# TABLE OF CONTENTS

01000 **DIVISION 1 - GENERAL REQUIREMENTS**

01001 Basic Requirement
01100 Summary
01200 Price and Payment Procedures
01300 Administrative Requirements
01323 Network Analysis Schedules
01330 Submittal Procedures
01351 Sustainable Project Requirements
01400 Quality Requirement
01500 Temporary Facilities and Controls
01577 Project Recycling
01600 Product Requirements
01700 Execution Requirement
01810 Commissioning
01900 Security Requirements
01900 Security Requirements at Courts

02000 **DIVISION 2 - SITE CONSTRUCTION**

02055 Soils
02060 Aggregate
02081 Manholes and Structures
02082 Public Manholes and Structures
02083 Polyethylene Manholes
02084 Pre-cast Concrete Utility Structures
02085 Valves and Fire Hydrants
02088 Tied Joint Restraint System
02115 Underground Storage Tank Removal
02159 Radon Venting
02221 Building Demolition
02225 Minor Demolition for Remodeling
02230 Site Clearing
02255 Sinkhole Remedial Procedure
02281 Manhole Grade Adjustment
02300 Earthwork
02311 Rough Grading
02315 Excavation and Fill
02316 Rock Removal
02320 Backfill
02322 Flowable Fill
02324 Trenching
02342 Cement Soil Stabilization
02345 Lime Soil Stabilization
02362 Termite Control
02371 Riprap and Rock Lining
02374 Erosion Control Devices
02446 Boring, Jacking, and Tunneling Conduits
02448 Horizontal Directional Drilling
02449 Micro-tunneling
02454 Driven Pile Load Tests
02458 Concrete-Filled Steel Pile
02461 Pre-stressed Concrete Piles
02462 Steel H Piles
02463 Timber Piles
02465 Bored Piles
02466 Auger Cast Grout Piles
02470 Drilled Concrete Piers and Shafts
02483 Manufactured Modular Walls
02484 Mechanically Stabilized Earth Walls
02487 Soldier Beam Walls
02512 Site Water Distribution
02513 Public Water Distribution System
02515 Water Service Connections
02518 Water Supply Backflow Preventer Assemblies
02516 Disinfection of Water Distribution
02525 Water Supply Wells
02526 Public Water Supply Wells
02531 On-Lot Sewage Grinder Pumping Units
02532 Packaged Wastewater Pumping Stations
02533 Public Wastewater Pumping Stations
02535 Low Pressure Sewer System
02536 Force Mains Municipal sanitary sewage force mains.
02538 Sanitary Sewer System
02539 Public Sanitary Sewer Systems
02540 Septic Tank Systems
02542 Septic Tank and Effluent Wet Well
02544 Septic Tank Effluent Pumps
02551 Natural Gas Distribution
02552 Hydronic Distribution
02554 Steam Distribution
02556 Oil Distribution
02581 Underground Ducts and Manholes
02585 Utility Poles
02590 Site Grounding
02610 Pipe Culverts
02611 Public Pipe Culverts
02620 Subdrainage
02630 Storm Drainage
02631 Public Storm Drainage
02635 Fiberglass Oil-Water Separator
02661 Pond and Reservoir Liner
02721 Aggregate Base Course
02740 Flexible Pavement Asphalt
02750 Rigid Pavement
02763 Painted Pavement
02780 Unit Pavers
02781 Asphalt Block Pavers
02782 Brick Pavers
02783 Precast Concrete Pavers
02784 Stone Pavers
02811 Landscape Irrigation
02821 Chain Link Fences and Gates
02841 Guide Rail
02842 Parking Bumpers
02900 Planting
02923 Landscape Grading
02924 Seeding and Soil Supplements
02925 Sodding
02930 Exterior Plants
02951 TV Inspection of Pipeline
02952 Sewer and Manhole Testing
02956 Sewer Pipe Joint Sealing
02957 Relining Sanitary Sewer
02958 Manhole Grout Sealing
02960 Flexible Pavement Surfacing Recovery
02990 Structure Moving

03000 DIVISION 3 - CONCRETE

03050 Basic Concrete Materials and Methods
03100 Concrete Forms and Accessories
03200 Concrete Reinforcement
03300 Cast-In-Place Concrete
03350 Concrete Finishing
03360 Concrete Finishes
03371 Shotcrete
03380 Post-Tensioned Concrete
03390 Concrete Curing
03410 Plant-Precast Structural Concrete
03415 Precast Concrete Hollow Core Planks
03450 Plant-Precast Architectural Concrete
03470 Tilt-Up Precast Concrete
03480 Precast Concrete Valve Vaults and Meter Boxes
03490 Glass-Fiber-Reinforced Precast Concrete
03521 Lightweight Insulating Concrete
03540 Cementitious Underlayment
03600 Grout
03920 Concrete Resurfacing
03930 Concrete Rehabilitation

04000 DIVISION 4 - MASONRY

04065 Masonry Mortar and Grout
04720 Cast Stone
04810 Unit Masonry Assemblies
04811 Cavity Walls
04812 Glass Masonry Assemblies
04813 Masonry Veneer
04815 Single-Wythe Unit Masonry
04820 Reinforced Unit Masonry Assemblies
04840 Prefabricated Masonry Panel
04852 Metal-Supported Stone Assemblies
04853 Mortar-Placed Stone Assemblies
04900 Masonry Restoration and Cleaning

05000 DIVISION 5 - METALS

05120 Structural Steel
05210 Steel Joists
05310 Steel Deck
05311 Steel Floor Deck
05312 Steel Roof Deck
05400 Cold-Formed Metal Framing
05500 Metal Fabrication
05510 Metal Stairs and Ladders
05520 Handrails and Railings
05530 Gratings
05700 Ornamental Metal
05715 Fabricated Spiral Stairs
05810 Expansion Joint Cover Assemblies

06000 DIVISION 6 - WOOD AND PLASTICS
06100 Rough Carpentry
06112 Framing and Sheathing
06114 Wood Blocking and Curbing
06131 Timber Framing
06136 Timber Trusses
06150 Wood Decking
06172 Metal-Web Wood Joists
06173 Wood Trusses
06176 Plywood I Joists
06180 Glue-Laminated Construction
06200 Finish Carpentry
06410 Custom Cabinet
06423 Wood Veneer Faced Paneling
06610 Glass-Fiber-Reinforced Plastic
06620 Cast Plastic Fabrications

07000 DIVISION 7 - THERMAL AND MOISTURE PROTECTION

07110 Dampproofing
07120 Built-Up Bituminous Waterproofing
07130 Sheet Waterproofing
07140 Fluid-Applied Waterproofing
07170 Bentonite Waterproofing
07180 Traffic Coatings
07190 Water Repellents
07210 Building Insulation
07212 Board Insulation
07213 Batt Insulation
07214 Foamed-In-Place Insulation
07216 Loose Fill Insulation
07217 Blown Insulation
07218 Sprayed Insulation
07240 Exterior Insulation and Finish Systems
07260 Vapor Retarders
07270 Air Barriers
07311 Asphalt Shingle
07313 Wood Shingles and Shake
07320 Roof Tiles
07430 Composite Panel
07460 Siding
07468 Metal Siding
07469 Wood Siding
07510 Built-Up Bituminous Roofing
07511 Built-Up Asphalt Roofing
07512 Protected Membrane Built-Up Asphalt Roofing
07515 Built-Up Coal-Tar Roofing
07530 Elastomeric Membrane Roofing
07531 Single Ply Roofing - Fully Adhered
07532 Single Ply Roofing - Loose Laid Ballasted
07533 Single Ply Roofing - Mechanically Attached
07535 Single Ply Roofing - Protected Membrane
07550 Modified Bituminous Membrane Roofing
07555 Modified Bituminous Roofing – Protected Membrane
07556 Rubberized Asphalt Roofing – Protected Membrane
07570 Coated Foamed Roofing
07591 Preparation for Reroofing
07610 Sheet Metal Roofing
07611 Custom Sheet Metal Roofing
07613 Manufactured Sheet Metal Roofing
07620 Sheet Metal Flashing and Trim
07710 Manufactured Roof Specialties
07714 Gutters and Downspouts
07724 Roof Hatches
07810 Applied Fireproofing
07840 Firestopping
07900 Joint Sealers

08000 DIVISION 8 - DOORS AND WINDOWS

08110 Steel Doors and Frames
08111 Custom Steel Doors
08112 Custom Steel Frames
08114 Standard Steel Doors
08115 Standard Steel Frames
08151 Pre-Assembled Steel Doors and Frames
08152 Metal Closet Doors
08160 Sliding Metal Doors and Grilles
08183 Metal Storm Doors
08210 Wood Doors
08212 Flush Wood Doors
08216 Stile and Rail Wood Doors
08252 Wood Closet Doors
08261 Sliding Plastic Door
08262 Sliding Wood Door
08310 Access Doors and Panels
08333 Overhead Coiling Door
08334 Overhead Coiling Grilles
08351 Accordion Folding Doors
08360 Overhead Doors
08410 Metal-Framed Storefronts
08450 All-Glass Entrances
08460 Automatic Entrance Doors
08470 Revolving Entrance Doors
08505 Metal Windows
08511 Rolled Steel Windows
08512 Sheet Steel Windows
08520 Aluminum Windows
08550 Wood Windows
08550 Wood Windows
08560 Plastic Windows
08560 Plastic Windows
08620 Unit Skylights
08630 Metal-Framed Skylights
08710 Door Hardware
08800 Glazing
08830 Mirrors
08911 Glazed Aluminum Curtain Wall
08950 Translucent Wall and Roof Assemblies
08960 Sloped Glazing Assemblies
08970 Structural Glass Curtain Walls
08971 Suspended Glass System

09000 DIVISION 9 - FINISHES

09111 Non-Load-Bearing Metal Framing System
09205 Furring and Lathing
09210 Gypsum Plaster
09215 Gypsum Veneer Plaster
09220 Portland Cement Plaster
09260 Gypsum Board Assemblies
09290 Gypsum Fabrications
09300 Tile
09410 Portland Cement Terrazzo
09440 Plastic Matrix Terrazzo
09510 Acoustical Ceilings
09512 Adhesive Applied Acoustical Ceilings
09546 Linear Metal Ceilings
09547 Integrated Ceilings
09548 Luminous Ceilings
09632 Stone Flooring
09635 Brick Flooring
09640 Wood Flooring
09642 Wood Flooring – Nailed
09643 Wood Flooring – Adhesive Applied
09650 Resilient Flooring
09670 Fluid-Applied Flooring
09672 Resilient Urethane Flooring
09680 Carpet
09685 Carpet Tile
09686 Sheet Carpe
09720 Wall Covering
09842 Stretched Fabric Acoustic Panels
09900 Paints and Coatings
09940 Decorative Finishes
09960 High-Performance Coatings
09965 Concrete Water Storage Tank Painting
09966 Elevated Water Storage Tank Painting

10000 DIVISION 10 - SPECIALTIES

10005 Miscellaneous Specialties
10100 Visual Display Boards
10155 Toilet Compartments
10160 Metal Toilet Compartments
10165 Plastic Laminate Toilet Compartments
10170 Plastic Toilet Compartments
10191 Cubicle Curtains
10210 Wall Louvers
10260 Wall and Corner Guards
10270 Access Flooring
10305 Manufactured Fireplaces
10350 Flagpoles
10440 Interior Signage
10500 Lockers
10523 Fire Extinguishers and Cabinets
10536 Awnings
10551 Mail Chutes
10552 Mail Boxes
10605 Wire Mesh Partitions
10616 Demountable Gypsum Board Partitions
10651 Operable Panel Partitions
10655 Accordion Folding Partitions
10800 Toilet, Bath, and Laundry Accessories

11000 DIVISION 11 - EQUIPMENT

11005 Miscellaneous Equipment
11132 Projection Screens
11150 Parking Control Equipment
11160 Loading Dock Equipment
11161 Dock Levelers
11164 Dock Seals and Shelters
11165 Dock Bumpers
11172 Waste Compactors
11211 Raw Sewage Influent Pumps
11312 Submersible Sludge Pumps and Accessories
11313 Sump Pumps
11345 Chlorination Equipment
11349 Chemical Feed Pumps
11390 Package Sewage Treatment Plants
11400 Food Service Equipment
11450 Residential Equipment
11481 Basketball Backstops
11600 Laboratory Equipment

12000 DIVISION 12 - FURNISHINGS

12005 Miscellaneous Furnishings
12310 Manufactured Metal Casework
12355 Residential Casework
12486 Floor Mats
12492 Blinds and Shades
12493 Horizontal Louver Blinds
12494 Drapery Track

3000 DIVISION 13 - SPECIAL CONSTRUCTION

13032 Saunas
13038 Cold Storage Rooms
13042 Steam Baths
13090 Radiation Protection
13100 Lightning Protection
13110 Cathodic Protection
13121 Pre-Engineered Buildings
13150 Swimming Pools
13171 Hot Tubs
<table>
<thead>
<tr>
<th>Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>13205</td>
<td>Glass Fiber Reinforced Chemical Storage Tanks</td>
</tr>
<tr>
<td>13206</td>
<td>Concrete Water Storage Tank</td>
</tr>
<tr>
<td>13207</td>
<td>Elevated Water Tank</td>
</tr>
<tr>
<td>13209</td>
<td>Water Tank Disinfection</td>
</tr>
<tr>
<td>13429</td>
<td>Electrical Sensing and Measurement</td>
</tr>
<tr>
<td>13448</td>
<td>Electrical Controls and Relays</td>
</tr>
<tr>
<td>13449</td>
<td>Peak Load Controllers</td>
</tr>
<tr>
<td>13451</td>
<td>Programmable Controllers</td>
</tr>
<tr>
<td>13610</td>
<td>Solar Flat Plate Collectors</td>
</tr>
<tr>
<td>13710</td>
<td>Intrusion Detection</td>
</tr>
<tr>
<td>13720</td>
<td>Security Access</td>
</tr>
<tr>
<td>13750</td>
<td>Video Surveillance</td>
</tr>
<tr>
<td>13800</td>
<td>Building Automation and Control</td>
</tr>
<tr>
<td>13810</td>
<td>Clock Control</td>
</tr>
<tr>
<td>13845</td>
<td>Relay Lighting Control</td>
</tr>
<tr>
<td>13846</td>
<td>Networked Lighting Control</td>
</tr>
<tr>
<td>13851</td>
<td>Fire Alarm</td>
</tr>
<tr>
<td>13900</td>
<td>Fire Suppression</td>
</tr>
<tr>
<td>13910</td>
<td>Basic Fire Suppression Materials and Methods</td>
</tr>
<tr>
<td>13920</td>
<td>Fire Pumps</td>
</tr>
<tr>
<td>13930</td>
<td>Wet-Pipe Fire Suppression</td>
</tr>
<tr>
<td>13935</td>
<td>Dry-Pipe Fire Suppression Sprinklers</td>
</tr>
<tr>
<td>13950</td>
<td>Deluge Fire Suppression Sprinklers</td>
</tr>
<tr>
<td>13975</td>
<td>Standpipes and Hoses</td>
</tr>
</tbody>
</table>

14000 **DIVISION 14 - CONVEYING SYSTEMS**

<table>
<thead>
<tr>
<th>Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>14100</td>
<td>Dumbwaiters</td>
</tr>
<tr>
<td>14215</td>
<td>Electric Traction Passenger Elevators</td>
</tr>
<tr>
<td>14220</td>
<td>Electric Traction Freight Elevators</td>
</tr>
<tr>
<td>14245</td>
<td>Hydraulic Passenger Elevators</td>
</tr>
<tr>
<td>14250</td>
<td>Hydraulic Freight Elevators</td>
</tr>
<tr>
<td>14310</td>
<td>Escalators</td>
</tr>
<tr>
<td>14420</td>
<td>Wheelchair Lifts</td>
</tr>
</tbody>
</table>

15000 **DIVISION 15 - MECHANICAL**

<table>
<thead>
<tr>
<th>Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>15050</td>
<td>Basic Mechanical Materials and Methods</td>
</tr>
<tr>
<td>15060</td>
<td>Hangers and Supports</td>
</tr>
<tr>
<td>15070</td>
<td>Mechanical Sound, Vibration, and Seismic Control</td>
</tr>
<tr>
<td>15075</td>
<td>Mechanical Identification</td>
</tr>
<tr>
<td>15080</td>
<td>Mechanical Insulation</td>
</tr>
<tr>
<td>15100</td>
<td>Building Services Piping</td>
</tr>
<tr>
<td>15105</td>
<td>Pipes and Tubes</td>
</tr>
<tr>
<td>15110</td>
<td>Valves</td>
</tr>
<tr>
<td>15120</td>
<td>Piping Specialties</td>
</tr>
<tr>
<td>15125</td>
<td>Piping Expansion Compensation</td>
</tr>
<tr>
<td>15130</td>
<td>Pumps</td>
</tr>
<tr>
<td>15140</td>
<td>Domestic Water Piping</td>
</tr>
<tr>
<td>15150</td>
<td>Sanitary Waste and Vent Piping</td>
</tr>
<tr>
<td>15160</td>
<td>Storm Drainage Piping</td>
</tr>
<tr>
<td>15175</td>
<td>Swimming Pool Piping and Equipment</td>
</tr>
<tr>
<td>15180</td>
<td>Heating and Cooling Piping</td>
</tr>
<tr>
<td>15184</td>
<td>Refrigerant Piping</td>
</tr>
<tr>
<td>15185</td>
<td>Chemical Water Treatment Equipment</td>
</tr>
<tr>
<td>15191</td>
<td>Fuel Oil Piping</td>
</tr>
</tbody>
</table>
15195 Gas Piping
15212 Medical Gas Systems
15214 Compressed Air Systems
15400 Plumbing Fixtures and Equipment
15410 Plumbing Fixtures
15440 Plumbing Pumps
15450 Potable Water Storage Tank
15460 Domestic Water Conditioning Equipment
15480 Domestic Water Heaters
15510 Heating Boilers and Accessories
15512 Cast-Iron Boilers
15514 Finned Water-Tube Boilers
15515 Steel Water-Tube Boilers
15516 Flexible Water-Tube Boilers
15518 Fire-Tube Boilers
15519 Electric Boilers
15520 Feedwater Equipment
15530 Furnaces
15540 Fuel-Fired Heaters
15550 Breeching, Chimneys, and Stacks
15610 Refrigeration Compressors
15620 Packaged Water Chillers
15621 Package Water Chillers - Reciprocating, Scroll, and Screw
15622 Package Water Chillers - Centrifugal and Screw
15623 Absorption Water Chillers
15640 Packaged Cooling Towers
15650 Field-Erected Cooling Towers
15660 Liquid Coolers and Evaporative Condensers
15670 Refrigerant Condensing Units
15710 Heat Exchangers
15720 Air Handling Units
15730 Unitary Air Conditioning Equipment
15731 Self Contained Air Conditioners
15733 Packaged Terminal Air Conditioning Units
15735 Computer Room Air Conditioning Units
15736 Packaged Rooftop Air Conditioning Units – Small Capacity
15737 Packaged Rooftop Air Conditioning Units - Medium Capacity
15738 Packaged Rooftop Air Conditioning Units – Large Capacity
15739 Split System Air Conditioning Units
15740 Heat Pumps
15750 Humidity Control Equipment
15760 Terminal Heating and Cooling Units
15770 Floor-Heating and Snow Melting Equipment
15800 Air Distribution
15810 Ducts
15820 Duct Accessories
15830 Fans
15840 Air Terminal Units
15842 Variable Volume Changeover Bypass System
15850 Air Outlets and Inlets
15860 Air Cleaning Devices
15861 Dust Collection Systems
15900 HVAC Instrumentation and Controls
15905 HVAC Instrumentation
15910 Direct Digital Controls
15920 Pneumatic Controls
15940 Sequence of Operation
15950 Testing, Adjusting, and Balancing
15992 HVAC Commissioning

16000 **DIVISION 16 - ELECTRICAL**

16011 Short Circuit and Protective Device Coordination Study
16050 Basic Electrical Materials and Methods
16060 Grounding and Bonding
16070 Electrical Hangers and Supports
16075 Electrical Identification
16095 Minor Electrical Demolition
16100 Wiring Methods
16121 Medium-Voltage Cable
16123 Building Wire and Cable
16125 Undercarpet Cable
16127 Manufactured Wiring Assemblies
16130 Raceway and Boxes
16131 Cabinets and Enclosures
16132 Indoor Service Poles
16133 Cable Trays
16134 Underfloor Raceway Assemblies
16140 Wiring Devices
16141 Floor Boxes
16149 Remote-Control Switching Devices
16150 Wiring Connections
16210 Electrical Utility Services
16225 Motors
16231 Rotary Converters
16232 Rotary Uninterruptible Power Units
16235 Engine Generators
16261 Static Uninterruptible Power Supplies
16262 Emergency Power Supplies
16265 Variable Frequency Controllers
16271 Pad-Mounted Transformers
16281 Low-Voltage Power Factor Capacitors
16282 Low-Voltage Power Factor Controllers
16289 Transient Voltage Surge Suppressors
16311 Line Materials
16341 Medium-Voltage Air Interrupter Switchgear
16342 Medium-Voltage Circuit Breaker Switchgear
16345 Medium-Voltage Motor Controllers
16362 Secondary Unit Substations
16400 Low-Voltage Distribution
16411 Enclosed Switches
16412 Enclosed Circuit Breakers
16413 Enclosed Transfer Switches
16421 Enclosed Controllers
16423 Enclosed Contactors
16441 Switchboards
16442 Panelboards
16443 Motor Control Centers
16451 Busway
16461 Dry Type Transformers
16462 Transformers for Nonlinear Loads
16463 Transformer Load Centers
16470 Power Distribution Units
16491 Fuses
16500 Lighting
16510 Interior Luminaires
16520 Exterior Luminaires
16530 Emergency Lighting
16551 Theatrical Lighting
16561 Obstruction Lighting
16700 Communications
16710 Communications Circuits
16728 Intercom
16729 Nurse Call
16810 Sound and Video Circuits
16821 Public Address and Music Equipment
16850 Television Equipment
16931 Pump Control Panel