

# MASTERSPEC®

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### DIVISION 1 - GENERAL REQUIREMENTS

02/10	01100	SUMMARY	Summary of the Work, phased construction, purchase contracts, Owner-furnished products, access to site, and work restrictions.
02/10	01125	SUMMARY OF MULTIPLE CONTRACTS	Responsibilities of each contract for the Work, coordination, and temporary facilities and controls.
02/10	01210	ALLOWANCES	Provisions for cash allowances including lump-sum, unit cost, contingency, and testing and inspecting allowances.
02/10	01230	ALTERNATES	Provisions for change-of-scope and cost-comparison type alternates.
02/10	01250	CONTRACT MODIFICATION PROCEDURES	Procedural requirements for changes to the Contract.
02/10	01270	UNIT PRICES	Provisions for unit prices.
02/10	01290	PAYMENT PROCEDURES	Administrative requirements for Contractor's Applications for Payment.
02/10	01310	PROJECT MANAGEMENT AND COORDINATION	Administrative requirements for project meetings; preconstruction, preinstallation, and project closeout conferences; RFIs; and project Web sites.
02/10	01320	CONSTRUCTION PROGRESS DOCUMENTATION	Contractor's Construction Schedule including Gantt charts and CPM schedules; Contractor's reports.
02/10	01322	PHOTOGRAPHIC DOCUMENTATION	Construction photographs, video recordings, and web-based photographic documentation.
02/10	01330	SUBMITTAL PROCEDURES	Procedures for Action and Informational Submittals including Delegated-Design Submittals and Submittals Schedule.
02/10	01351	SPECIAL PROCEDURES FOR HISTORIC TREATMENT	General protection and treatment of historic spaces; historic removal and dismantling; and bird-excrement removal.
02/10	01361	SUSTAINABLE DESIGN REQUIREMENTS - LEED FOR NEW CONSTRUCTION AND MAJOR RENOVATIONS	General requirements and procedures for LEED for New Construction and Major Renovations.
02/10	01362	SUSTAINABLE DESIGN REQUIREMENTS - LEED FOR COMMERCIAL INTERIORS	General requirements and procedures for LEED for Commercial Interiors.
02/10	01363	SUSTAINABLE DESIGN REQUIREMENTS - LEED FOR CORE AND SHELL DEVELOPMENT	General requirements and procedures for LEED for Core and Shell Development.
02/10	01364	SUSTAINABLE DESIGN REQUIREMENTS - LEED FOR SCHOOLS	General requirements and procedures for LEED for Schools.
02/10	01400	QUALITY REQUIREMENTS	Quality-assurance and -control requirements, special tests and inspections, and Contractor's quality-control plan.
02/10	01420	REFERENCES	Common definitions and terms; and acronyms and trade names of associations, government agencies, and other entities referenced in MasterSpec.
02/10	01500	TEMPORARY FACILITIES AND CONTROLS	Temporary utilities and facilities for construction support, security, and protection.
02/10	01524	CONSTRUCTION WASTE MANAGEMENT	Salvaging, recycling, and disposing of non-hazardous demolition and construction waste.
02/10	01600	PRODUCT REQUIREMENTS	Administrative and procedural requirements for product, material, and equipment selection and handling; warranties; and comparable products.
02/10	01635	SUBSTITUTION PROCEDURES	Procedural requirements for requests for substitutions during construction.
02/10	01700	EXECUTION REQUIREMENTS	General requirements for product installation, cutting and patching, protection, field engineering, and progress cleaning.
02/10	01732	SELECTIVE DEMOLITION	Demolition and removal of selected portions of buildings and site elements.

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02/10	01770	CLOSEOUT PROCEDURES	Contract closeout including Substantial Completion and Final Completion procedures, warranties, and final cleaning.
02/10	01781	PROJECT RECORD DOCUMENTS	Record record Drawings, Specifications, and Product Data.
02/10	01782	OPERATION AND MAINTENANCE DATA	Emergency, operation, and maintenance manuals for products and equipment.
02/10	01810	GENERAL COMMISSIONING REQUIREMENTS	Administrative requirements and procedures for commissioning all systems.
02/10	01820	DEMONSTRATION AND TRAINING	Administrative and procedural requirements for instructing Owner's personnel in operation and maintenance.

### DIVISION 2 - SITE CONSTRUCTION

03/10	02080	PIPED UTILITIES - BASIC MATERIALS AND METHODS	Basic piping materials and methods.
02/10	02221	BUILDING DEMOLITION	Complete structure removal.
02/10	02230	SITE CLEARING	Clearing, grubbing, vegetation protection, topsoil stripping, and disconnecting utilities.
02/10	02240	DEWATERING	Construction dewatering and groundwater controls.
02/10	02260	EXCAVATION SUPPORT AND PROTECTION	Soldier piles and lagging, sheet piling, and tiebacks.
02/10	02300	EARTHWORK	Excavating, filling and backfilling, compaction, and grading.
02/10	02361	TERMITE CONTROL	Control by treatment of soil with termiticides, installation of bait stations to dispense termiticides, and installation of permanent metal mesh barriers.
02/10	02456	CONCRETE-FILLED STEEL PILES	Driven concrete-filled steel shell and steel pipe piles.
02/10	02457	PRESTRESSED CONCRETE PILES	Driven precast prestressed concrete piles, solid and hollow.
02/10	02458	STEEL H PILES	Driven steel H-section piles.
02/10	02459	TIMBER PILES	Driven preservative-treated round timber piles.
02/10	02466	DRILLED PIERS	Dry-installed and slurry-displacement-installed types.
03/10	02510	WATER DISTRIBUTION	Utility service, domestic, and fire-protection water piping, specialties, and valves.
03/10	02530	SANITARY SEWERAGE	Sanitary sewerage and underground structures outside the building.
03/10	02552	GROUND-LOOP, HEAT-PUMP PIPING	Horizontal and vertical, direct-buried, ground-loop piping.
03/10	02620	SUBDRAINAGE	Drainage for foundations, underslabs, plaza decks, retaining walls, and landscaped areas.
03/10	02630	STORM DRAINAGE	Gravity and forced storm piping, underground structures, and specialties.
03/10	02666	POND AND RESERVOIR LINERS	Geomembrane liners and covers.
02/10	02741	ASPHALT PAVING	Paving, overlays, and surface treatments.
02/10	02751	CEMENT CONCRETE PAVEMENT	Concrete paving for site construction applications.
02/10	02764	PAVEMENT JOINT SEALANTS	Sealants for concrete and asphalt pavement joints.
02/10	02780	UNIT PAVERS	Brick, asphalt, concrete, and rough stone pavers on aggregate, mortar, and bituminous setting beds.
02/10	02810	IRRIGATION SYSTEMS	Heads, pipes, and controls.
02/10	02821	CHAIN-LINK FENCES AND GATES	Standard chain-link fencing systems.
02/10	02920	LAWNS AND GRASSES	Seeded, sodded, plugged, and sprigged turf and meadows; planting soils; pesticides; erosion-control materials; turf renovation; and grass paving.
02/10	02930	EXTERIOR PLANTS	Plants, planting soils, pesticides, tree-stabilization materials, edgings, and tree grates.

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### DIVISION 3 - CONCRETE

02/10	03300	CAST-IN-PLACE CONCRETE	General building and structural applications; concrete mixtures, formwork, reinforcing, finishing, and curing.
02/10	03301	MISCELLANEOUS CAST-IN-PLACE CONCRETE	Cast-in-place concrete for limited applications.
02/10	03331	CAST-IN-PLACE ARCHITECTURAL CONCRETE	Specially formed, placed, and finished architectural concrete.
02/10	03381	UNBONDED POST-TENSIONED CONCRETE	Post-tensioning reinforcement, encapsulated and non-encapsulated.
02/10	03410	PLANT-PRECAST STRUCTURAL CONCRETE	Conventional precast structural concrete units.
02/10	03450	ARCHITECTURAL PRECAST CONCRETE	Precast concrete cladding units, insulated units, and masonry-faced units.
02/10	03471	TILT-UP CONCRETE	Wall panels and insulated sandwich panels.
02/10	03491	GLASS FIBER REINFORCED CONCRETE	GFRC cladding panels; panel framing.
02/10	03521	LIGHTWEIGHT INSULATING CONCRETE	Mineral-aggregate and foam types.
02/10	03532	CONCRETE FLOOR TOPPING	High-strength special-aggregate concrete slab toppings.

### DIVISION 4 - MASONRY

02/10	04720	CAST STONE	Architectural features, facing, trim, and site accessories.
02/10	04810	UNIT MASONRY ASSEMBLIES	CMU, brick, structural-clay facing tile, and stone trim units.
02/10	04813	BRICK MASONRY ASSEMBLIES	Brick veneer over wood- or metal-stud backup.
02/10	04815	GLASS UNIT MASONRY ASSEMBLIES	Glass block installed with mortar, glass block installed with spacers and sealant, and glass-block grid systems.
02/10	04816	CONCRETE UNIT MASONRY ASSEMBLIES	Single-wythe CMU including decorative units.
02/10	04851	DIMENSION STONE CLADDING	Exterior stone panels.
02/10	04860	STONE MASONRY	Stone laid in mortar.
02/10	04901	CLAY MASONRY RESTORATION AND CLEANING	Historic and nonhistoric applications for brick and terra cotta.
02/10	04902	STONE RESTORATION AND CLEANING	Historic and nonhistoric applications for stone.

### DIVISION 5 - METALS

02/10	05120	STRUCTURAL STEEL	Structural steel framing for buildings.
02/10	05121	ARCHITECTURALLY EXPOSED STRUCTURAL STEEL FRAMING	Architecturally exposed structural steel framing for buildings.
02/10	05210	STEEL JOISTS	Standard manufactured open-web units, including steel joists, long-span steel joists, and joist girders.
02/10	05310	STEEL DECK	Roof, floor, and form steel deck.
02/10	05400	COLD-FORMED METAL FRAMING	Load-bearing and exterior non-load-bearing wall studs; floor, ceiling, and roof joists; rafters and roof trusses.
02/10	05500	METAL FABRICATIONS	Metal items (not sheet metal) made from iron and steel shapes, stainless steel, and non-ferrous metals.
02/10	05511	METAL STAIRS	Steel; with pan, plate, and grating treads.
02/10	05521	PIPE AND TUBE RAILINGS	Railings fabricated from aluminum, stainless-steel, and steel pipe and tubing.
02/10	05530	GRATINGS	Metal and glass-fiber-reinforced plastic gratings.
02/10	05700	ORNAMENTAL METAL	Custom fabrications from nonferrous and ferrous metals.
02/10	05721	ORNAMENTAL RAILINGS	Ornamental metal railings assembled from either standard or custom components and shapes. Also included are glass- and plastic-supported railings, and illuminated railings.
02/10	05730	ORNAMENTAL FORMED METAL	Custom sheet metal fabrications; no flashing.

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02/10 05811 ARCHITECTURAL JOINT SYSTEMS

For building interiors and exteriors and open-air structures.

### DIVISION 6 - WOOD AND PLASTICS

02/10 06100 ROUGH CARPENTRY

Wood framing, furring, grounds, nailers, and blocking.

02/10 06108 EXTERIOR ROUGH CARPENTRY

Elevated decks and other exterior wood construction.

02/10 06130 HEAVY TIMBER CONSTRUCTION

Solid timber framing.

02/10 06150 WOOD DECKING

Solid and laminated T & G decking.

02/10 06160 SHEATHING

Roof and wall sheathing, subflooring, and underlayment. Includes wood, non-wood, and composite products.

02/10 06176 METAL-PLATE-CONNECTED WOOD TRUSSES

Metal-plate-connected members.

02/10 06185 STRUCTURAL GLUED-LAMINATED TIMBER

Glued-laminated structural framing.

### DIVISION 7 - THERMAL AND MOISTURE PROTECTION

02/10 07115 BITUMINOUS DAMPPROOFING

Hot- and cold-applied asphaltic dampproofing.

02/10 07131 SELF-ADHERING SHEET WATERPROOFING

Self-adhering modified bituminous and adhesive-coated HDPE sheet; drainage panels; concrete pavers.

02/10 07132 ELASTOMERIC SHEET WATERPROOFING

Butyl and EPDM sheet; drainage panels; concrete pavers.

02/10 07133 THERMOPLASTIC SHEET WATERPROOFING

PVC sheet; drainage panels; concrete pavers.

02/10 07141 COLD FLUID-APPLIED WATERPROOFING

Polyurethane, polyester, and latex-rubber types.

02/10 07142 HOT FLUID-APPLIED RUBBERIZED ASPHALT WATERPROOFING

Hot, rubberized-asphalt waterproofing for plaza deck and below-grade walls.

02/10 07190 WATER REPELLENTS

Clear and pigmented penetrating, film-forming, and MPI-approved types.

02/10 07811 SPRAYED FIRE-RESISTIVE MATERIALS

Cementitious and mineral-fiber fire-resistive materials classified as SFRM.

02/10 07812 INTUMESCENT MASTIC FIREPROOFING

Mastic or intumescent fire-resistive coatings, including intumescent and subliming types.

02/10 07841 THROUGH-PENETRATION FIRESTOP SYSTEMS

Systems installed in fire-resistance-rated walls, horizontal assemblies, and smoke barriers.

02/10 07842 FIRE-RESISTIVE JOINT SYSTEMS

Systems installed in or between fire-rated construction, at exterior curtain wall/floor intersections, and in smoke barriers.

02/10 07920 JOINT SEALANTS

Elastomeric, latex, solvent-release-curing, preformed, and acoustical sealants.

### DIVISION 9 - FINISHES

02/10 09638 STONE FLOORING

Exterior and interior stone traffic surfaces.

02/10 09911 EXTERIOR PAINTING

Exterior painting.

02/10 09912 INTERIOR PAINTING

Interior painting.

02/10 09931 WOOD STAINS AND TRANSPARENT FINISHES

For interior and exterior wood.

02/10 09960 HIGH-PERFORMANCE COATINGS

Tile-like coatings for use on exterior and interior substrates.

### DIVISION 10 - SPECIALTIES

02/10 10350 FLAGPOLES

Aluminum, bronze, stainless-steel, steel, and fiberglass flagpoles.

N 02/10 10420 PLAQUES

One-piece, cast or etched, solid-metal plaques.

D 02/10 10431 SIGNAGE

Exterior and interior signs, letters, and plaques attached to building.

N 02/10 10432 DIMENSIONAL LETTER SIGNAGE

Individually mounted dimensional characters and illuminated dimensional characters that are combined to form signs.

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N	02/10	10434	PANEL SIGNAGE	Panel signs, illuminated panel signs, and field-applied, vinyl-character signs.
U	02/10	10436	POST AND PANEL/PYLON SIGNAGE	Illuminated and nonilluminated, freestanding panel signs that are supported by posts or configured as pylons.
<b>DIVISION 11 - EQUIPMENT</b>				
	02/10	11005	COMMON MOTOR REQUIREMENTS FOR EQUIPMENT	Universal default values for small and medium, ac motors.
<b>DIVISION 13 - SPECIAL CONSTRUCTION</b>				
	02/10	13125	METAL BUILDING SYSTEMS	Systems consisting of structural framing, roofing and siding panels, and standard components.
<b>DIVISION 15 - MECHANICAL</b>				
	03/10	15160	STORM DRAINAGE PIPING	Stormwater piping within the building.
	03/10	15165	STORM DRAINAGE PIPING SPECIALTIES	Roof drains, cleanouts, trench drains, channel drains, and piping specialties.
	03/10	15195	FACILITY NATURAL-GAS PIPING	Natural gas piping and specialties.
	03/10	15196	FACILITY LIQUEFIED-PETROLEUM GAS PIPING	LP gas piping, specialties, and storage equipment.
<b>DIVISION 16 - ELECTRICAL</b>				
	03/10	16521	EXTERIOR LIGHTING	Exterior luminaires including poles and standards.

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