

# MASTERSPEC®

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Outline Basic

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### DIVISION 01 - GENERAL REQUIREMENTS

02/10	011000	SUMMARY	Summary of the Work, phased construction, purchase contracts, Owner-furnished products, access to site, and work restrictions.
02/10	011200	MULTIPLE CONTRACT SUMMARY	Responsibilities of each contract for the Work, coordination, and temporary facilities and controls.
02/10	012100	ALLOWANCES	Provisions for cash allowances including lump-sum, unit cost, contingency, and testing and inspecting allowances.
02/10	012200	UNIT PRICES	Provisions for unit prices.
02/10	012300	ALTERNATES	Provisions for change-of-scope and cost-comparison type alternates.
02/10	012500	SUBSTITUTION PROCEDURES	Procedural requirements for requests for substitutions during construction.
02/10	012600	CONTRACT MODIFICATION PROCEDURES	Procedural requirements for changes to the Contract.
02/10	012900	PAYMENT PROCEDURES	Administrative requirements for Contractor's Applications for Payment.
02/10	013100	PROJECT MANAGEMENT AND COORDINATION	Administrative requirements for project meetings; preconstruction, preinstallation, and project closeout conferences; RFIs; and project Web sites.
02/10	013200	CONSTRUCTION PROGRESS DOCUMENTATION	Contractor's Construction Schedule including Gantt charts and CPM schedules; Contractor's reports.
02/10	013233	PHOTOGRAPHIC DOCUMENTATION	Construction photographs, video recordings, and web-based photographic documentation.
02/10	013300	SUBMITTAL PROCEDURES	Procedures for Action and Informational Submittals including Delegated-Design Submittals and Submittals Schedule.
02/10	013591	HISTORIC TREATMENT PROCEDURES	General protection and treatment of historic spaces; historic removal and dismantling; and bird-excrement removal.
02/10	014000	QUALITY REQUIREMENTS	Quality-assurance and -control requirements, special tests and inspections, and Contractor's quality-control plan.
02/10	014200	REFERENCES	Common definitions and terms; and acronyms and trade names of associations, government agencies, and other entities referenced in MasterSpec.
02/10	015000	TEMPORARY FACILITIES AND CONTROLS	Temporary utilities and facilities for construction support, security, and protection.
02/10	016000	PRODUCT REQUIREMENTS	Administrative and procedural requirements for product, material, and equipment selection and handling; warranties; and comparable products.
02/10	017300	EXECUTION	General requirements for product installation, cutting and patching, protection, field engineering, and progress cleaning.
02/10	017419	CONSTRUCTION WASTE MANAGEMENT AND DISPOSAL	Salvaging, recycling, and disposing of non-hazardous demolition and construction waste.
02/10	017700	CLOSEOUT PROCEDURES	Contract closeout including Substantial Completion and Final Completion procedures, warranties, and final cleaning.
02/10	017823	OPERATION AND MAINTENANCE DATA	Emergency, operation, and maintenance manuals for products and equipment.
02/10	017839	PROJECT RECORD DOCUMENTS	Record record Drawings, Specifications, and Product Data.
02/10	017900	DEMONSTRATION AND TRAINING	Administrative and procedural requirements for instructing Owner's personnel in operation and maintenance.
02/10	018113.13	SUSTAINABLE DESIGN REQUIREMENTS - LEED FOR NEW CONSTRUCTION AND MAJOR RENOVATIONS	General requirements and procedures for LEED for New Construction and Major Renovations.

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02/10	018113.16	SUSTAINABLE DESIGN REQUIREMENTS - LEED FOR COMMERCIAL INTERIORS	General requirements and procedures for LEED for Commercial Interiors.
02/10	018113.19	SUSTAINABLE DESIGN REQUIREMENTS - LEED FOR CORE AND SHELL DEVELOPMENT	General requirements and procedures for LEED for Core and Shell Development.
02/10	018113.23	SUSTAINABLE DESIGN REQUIREMENTS - LEED FOR SCHOOLS	General requirements and procedures for LEED for Schools.
02/10	019113	GENERAL COMMISSIONING REQUIREMENTS	Administrative requirements and procedures for commissioning all systems.

### DIVISION 02 - EXISTING CONDITIONS

02/10	024116	STRUCTURE DEMOLITION	Complete structure removal.
02/10	024119	SELECTIVE STRUCTURE DEMOLITION	Demolition and removal of selected portions of buildings and site elements.

### DIVISION 03 - CONCRETE

02/10	033000	CAST-IN-PLACE CONCRETE	General building and structural applications; concrete mixtures, formwork, reinforcing, finishing, and curing.
02/10	033053	MISCELLANEOUS CAST-IN-PLACE CONCRETE	Cast-in-place concrete for limited applications.
02/10	033300	ARCHITECTURAL CONCRETE	Specially formed, placed, and finished architectural concrete.
02/10	033816	UNBONDED POST-TENSIONED CONCRETE	Post-tensioning reinforcement, encapsulated and non-encapsulated.
02/10	034100	PRECAST STRUCTURAL CONCRETE	Conventional precast structural concrete units.
02/10	034500	PRECAST ARCHITECTURAL CONCRETE	Precast concrete cladding units, insulated units, and masonry-faced units.
02/10	034713	TILT-UP CONCRETE	Wall panels and insulated sandwich panels.
02/10	034900	GLASS-FIBER-REINFORCED CONCRETE (GFRC)	GFRC cladding panels; panel framing.
02/10	035216	LIGHTWEIGHT INSULATING CONCRETE	Mineral-aggregate and foam types.
02/10	035300	CONCRETE TOPPING	High-strength special-aggregate concrete slab toppings.

### DIVISION 04 - MASONRY

02/10	040120	MAINTENANCE OF UNIT MASONRY	Historic and nonhistoric applications for brick and terra cotta.
02/10	040140	MAINTENANCE OF STONE ASSEMBLIES	Historic and nonhistoric applications for stone.
02/10	042000	UNIT MASONRY	CMU, brick, structural-clay facing tile, and stone trim units.
02/10	042113	BRICK MASONRY	Brick veneer over wood- or metal-stud backup.
02/10	042200	CONCRETE UNIT MASONRY	Single-wythe CMU including decorative units.
02/10	042300	GLASS UNIT MASONRY	Glass block installed with mortar, glass block installed with spacers and sealant, and glass-block grid systems.
02/10	044200	EXTERIOR STONE CLADDING	Exterior stone panels.
02/10	044300	STONE MASONRY	Stone veneer laid in mortar.
02/10	047200	CAST STONE MASONRY	Architectural features, facing, trim, and site accessories.

### DIVISION 05 - METALS

02/10	051200	STRUCTURAL STEEL FRAMING	Structural steel framing for buildings.
02/10	051213	ARCHITECTURALLY EXPOSED STRUCTURAL STEEL FRAMING	Architecturally exposed structural steel framing for buildings.
02/10	052100	STEEL JOIST FRAMING	Standard manufactured open-web units, including steel joists, long-span steel joists, and joist girders.
02/10	053100	STEEL DECKING	Roof, floor, and form steel deck.

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02/10	054000	COLD-FORMED METAL FRAMING	Load-bearing and exterior non-load-bearing wall studs; floor, ceiling, and roof joists; rafters and roof trusses.
02/10	055000	METAL FABRICATIONS	Metal items (not sheet metal) made from iron and steel shapes, stainless steel, and non-ferrous metals.
02/10	055100	METAL STAIRS	Steel; with pan, plate, and grating treads.
02/10	055213	PIPE AND TUBE RAILINGS	Railings fabricated from aluminum, stainless-steel, and steel pipe and tubing.
02/10	055300	METAL GRATINGS	Metal and glass-fiber-reinforced plastic gratings.
02/10	057000	DECORATIVE METAL	Custom fabrications from nonferrous and ferrous metals.
02/10	057300	DECORATIVE METAL 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	057500	DECORATIVE FORMED METAL	Custom sheet metal fabrications; no flashing.
<b>DIVISION 06 - WOOD, PLASTICS, AND COMPOSITES</b>			
02/10	061000	ROUGH CARPENTRY	Wood framing, furring, grounds, nailers, and blocking.
02/10	061063	EXTERIOR ROUGH CARPENTRY	Elevated decks and other exterior wood construction.
02/10	061323	HEAVY TIMBER CONSTRUCTION	Solid timber framing.
02/10	061500	WOOD DECKING	Solid and laminated T & G decking.
02/10	061600	SHEATHING	Roof and wall sheathing, subflooring, and underlayment. Includes wood, non-wood, and composite products.
02/10	061753	SHOP-FABRICATED WOOD TRUSSES	Metal-plate-connected members.
02/10	061800	GLUED-LAMINATED CONSTRUCTION	Glued-laminated structural framing.
<b>DIVISION 07 - THERMAL AND MOISTURE PROTECTION</b>			
02/10	071113	BITUMINOUS DAMPPROOFING	Hot- and cold-applied asphaltic dampproofing.
02/10	071326	SELF-ADHERING SHEET WATERPROOFING	Self-adhering modified bituminous and adhesive-coated HDPE sheet; drainage panels; concrete pavers.
02/10	071353	ELASTOMERIC SHEET WATERPROOFING	Butyl and EPDM sheet; drainage panels; concrete pavers.
02/10	071354	THERMOPLASTIC SHEET WATERPROOFING	PVC sheet; drainage panels; concrete pavers.
02/10	071413	HOT FLUID-APPLIED RUBBERIZED ASPHALT WATERPROOFING	Hot, rubberized-asphalt waterproofing for plaza deck and below-grade walls.
02/10	071416	COLD FLUID-APPLIED WATERPROOFING	Polyurethane, polyester, and latex-rubber types.
02/10	071900	WATER REPELLENTS	Clear and pigmented penetrating, film-forming, and MPI-approved types.
02/10	078100	APPLIED FIREPROOFING	Cementitious and mineral-fiber fire-resistive materials classified as SFRM.
02/10	078123	INTUMESCENT MASTIC FIREPROOFING	Mastic or intumescent fire-resistive coatings, including intumescent and subliming types.
02/10	078413	PENETRATION FIRESTOPPING	Systems installed in fire-resistance-rated walls, horizontal assemblies, and smoke barriers.
02/10	078446	FIRE-RESISTIVE JOINT SYSTEMS	Systems installed in or between fire-rated construction, at exterior curtain wall/floor intersections, and in smoke barriers.
02/10	079200	JOINT SEALANTS	Elastomeric, latex, solvent-release-curing, preformed, and acoustical sealants.
02/10	079500	EXPANSION CONTROL	For building interiors and exteriors and open-air structures.
<b>DIVISION 09 - FINISHES</b>			

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02/10	096340	STONE FLOORING	Exterior and interior stone traffic surfaces.
02/10	099113	EXTERIOR PAINTING	Exterior painting.
02/10	099123	INTERIOR PAINTING	Interior painting.
02/10	099300	STAINING AND TRANSPARENT FINISHING	For interior and exterior wood.
02/10	099600	HIGH-PERFORMANCE COATINGS	Tile-like coatings for use on exterior and interior substrates.

### DIVISION 10 - SPECIALTIES

D	02/10	101400	SIGNAGE	Exterior and interior signs, letters, and plaques.
N	02/10	101416	PLAQUES	One-piece, cast or etched, solid-metal plaques.
N	02/10	101419	DIMENSIONAL LETTER SIGNAGE	Individually mounted dimensional characters and illuminated dimensional characters that are combined to form signs.
N	02/10	101423	PANEL SIGNAGE	Panel signs, illuminated panel signs, and field-applied, vinyl-character signs.
U	02/10	101426	POST AND PANEL/PYLON SIGNAGE	Illuminated and nonilluminated, freestanding panel signs that are supported by posts or configured as pylons.
	02/10	107500	FLAGPOLES	Aluminum, bronze, stainless-steel, steel, and fiberglass flagpoles.

### DIVISION 11 - EQUIPMENT

	02/10	110513	COMMON MOTOR REQUIREMENTS FOR EQUIPMENT	Universal default values for small and medium, ac motors.
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### DIVISION 13 - SPECIAL CONSTRUCTION

	02/10	133419	METAL BUILDING SYSTEMS	Systems consisting of structural framing, roofing and siding panels, and standard components.
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### DIVISION 22 - PLUMBING

	03/10	221113	FACILITY WATER DISTRIBUTION PIPING	Utility service, domestic, and fire-protection water, specialties, and valves.
	03/10	221313	FACILITY SANITARY SEWERS	Sanitary sewerage and underground structures outside the building.
	03/10	221413	FACILITY STORM DRAINAGE PIPING	Stormwater piping within the building.
	03/10	221423	STORM DRAINAGE PIPING SPECIALTIES	Roof drains, cleanouts, trench drains, channel drains, and piping specialties.

### DIVISION 23 - HEATING VENTILATING AND AIR CONDITIONING

	03/10	231123	FACILITY NATURAL-GAS PIPING	Natural gas piping and specialties.
	03/10	231126	FACILITY LIQUEFIED-PETROLEUM GAS PIPING	LP gas piping, specialties, and storage equipment.
	03/10	232113.33	GROUND-LOOP HEAT-PUMP PIPING	Horizontal and vertical, direct-buried, ground-loop piping.

### DIVISION 26 - ELECTRICAL

	03/10	265600	EXTERIOR LIGHTING	Exterior luminaires including poles and standards.
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### DIVISION 31 - EARTHWORK

	02/10	311000	SITE CLEARING	Clearing, grubbing, vegetation protection, topsoil stripping, and disconnecting utilities.
	02/10	312000	EARTH MOVING	Excavating, filling and backfilling, compaction, and grading.
	02/10	312319	DEWATERING	Construction dewatering and groundwater controls.
	02/10	313116	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	315000	EXCAVATION SUPPORT AND PROTECTION	Soldier piles and lagging, sheet piling, and tiebacks.

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02/10	316213	CONCRETE PILES	Driven precast prestressed concrete piles, solid and hollow.
02/10	316216	STEEL PILES	Driven steel H-section piles.
02/10	316219	TIMBER PILES	Driven preservative-treated round timber piles.
02/10	316223	COMPOSITE PILES	Driven concrete-filled steel shell and steel pipe piles.
02/10	316329	DRILLED CONCRETE PIERS AND SHAFTS	Dry-installed and slurry-displacement-installed types.

### DIVISION 32 - EXTERIOR IMPROVEMENTS

02/10	321216	ASPHALT PAVING	Paving, overlays, and surface treatments.
02/10	321313	CONCRETE PAVING	Concrete paving for site construction applications.
02/10	321373	CONCRETE PAVING JOINT SEALANTS	Sealants for concrete and asphalt pavement joints.
02/10	321400	UNIT PAVING	Brick, asphalt, concrete, and rough stone pavers on aggregate, mortar, and bituminous setting beds.
02/10	323113	CHAIN LINK FENCES AND GATES	Standard chain-link fencing systems.
02/10	328400	PLANTING IRRIGATION	Heads, pipes, and controls.
02/10	329200	TURF AND GRASSES	Seeded, sodded, plugged, and sprigged turf and meadows; planting soils; pesticides; erosion-control materials; turf renovation; and grass paving.

02/10	329300	PLANTS	Plants, planting soils, pesticides, tree-stabilization materials, edgings, and tree grates.
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### DIVISION 33 - UTILITIES

03/10	330500	COMMON WORK RESULTS FOR UTILITIES	Basic piping materials and methods.
03/10	334100	STORM UTILITY DRAINAGE PIPING	Gravity and forced storm piping, underground structures, and specialties.
03/10	334600	SUBDRAINAGE	Drainage for foundations, underslabs, plaza decks, retaining walls, and landscaped areas.
03/10	334713	POND AND RESERVOIR LINERS	Geomembrane liners and covers.

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