

Issue Date	Sect. No.	SECTION TITLE	SECTION DESCRIPTION
------------	-----------	---------------	---------------------

Copyright 2010 The American Institute of Architects (AIA)
 Exclusively published and distributed by Architectural Computer Services, Inc. (ARCOM) for the AIA

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.

N = NEW U = UPDATE R = REVISION

MASTERSPEC®

TABLE OF CONTENTS

MECHANICAL LIBRARY
Full Length Basic

MasterFormat 2004 Version

Issue Date	Sect. No.	SECTION TITLE	SECTION DESCRIPTION
------------	-----------	---------------	---------------------

Copyright 2010 The American Institute of Architects (AIA)
Exclusively published and distributed by Architectural Computer Services, Inc. (ARCOM) for the AIA

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.

DIVISION 05 - METALS

02/10	055000	METAL FABRICATIONS	Metal items (not sheet metal) made from iron and steel shapes, stainless steel, and non-ferrous metals.
-------	--------	--------------------	---

DIVISION 06 - WOOD, PLASTICS, AND COMPOSITES

02/10	061000	ROUGH CARPENTRY	Wood framing, furring, grounds, nailers, and blocking.
-------	--------	-----------------	--

DIVISION 07 - THERMAL AND MOISTURE PROTECTION

02/10	076200	SHEET METAL FLASHING AND TRIM	Custom-fabricated roof and wall flashings and roof-drainage systems, and manufactured through-wall flashing and reglets.
02/10	077200	ROOF ACCESSORIES	Roof curbs, equipment supports, roof hatches, heat and smoke vents, gravity ventilators, pipe supports, roof walkways and stairs, and preformed flashing sleeves.
02/10	078413	PENETRATION FIRESTOPPING	Systems installed in fire-resistance-rated walls, horizontal assemblies, and smoke barriers.
02/10	079200	JOINT SEALANTS	Elastomeric, latex, solvent-release-curing, preformed, and acoustical sealants.

DIVISION 08 - OPENINGS

02/10	083113	ACCESS DOORS AND FRAMES	Wall, ceiling, and floor units.
02/10	089000	LOUVERS AND VENTS	Fixed and adjustable louvers; wall vents.

DIVISION 09 - FINISHES

02/10	099113	EXTERIOR PAINTING	Exterior painting.
02/10	099123	INTERIOR PAINTING	Interior painting.
02/10	099600	HIGH-PERFORMANCE COATINGS	Tile-like coatings for use on exterior and interior substrates.

DIVISION 10 - SPECIALTIES

02/10	104413	FIRE EXTINGUISHER CABINETS	Fire-protection cabinets and security fire-protection cabinets.
02/10	104416	FIRE EXTINGUISHERS	Portable and wheeled fire extinguishers.

DIVISION 21 - FIRE SUPPRESSION

03/10	210513	COMMON MOTOR REQUIREMENTS FOR FIRE SUPPRESSION EQUIPMENT	Universal default values for small and medium, ac motors.
03/10	210517	SLEEVES AND SLEEVE SEALS FOR FIRE-SUPPRESSION PIPING	Sleeves and sleeve seals for piping at floor and wall penetrations.

N = NEW U = UPDATE R = REVISION

MASTERSPEC®

TABLE OF CONTENTS

MECHANICAL LIBRARY
Full Length Basic

MasterFormat 2004 Version

Issue Date	Sect. No.	SECTION TITLE	SECTION DESCRIPTION
Copyright 2010 The American Institute of Architects (AIA) Exclusively published and distributed by Architectural Computer Services, Inc. (ARCOM) for the AIA			
	03/10 210518	ESCUTCHEONS FOR FIRE-SUPPRESSION PIPING	Escutcheons and floor plates for piping at ceiling, floor, and wall penetrations.
U	03/10 210533	HEAT TRACING FOR FIRE-SUPPRESSION PIPING	Electric cables for freeze protection.
	03/10 210548	VIBRATION AND SEISMIC CONTROLS FOR FIRE-SUPPRESSION PIPING AND EQUIPMENT	Vibration isolation devices and seismic restraints.
	03/10 210553	IDENTIFICATION FOR FIRE-SUPPRESSION PIPING AND EQUIPMENT	Labels, stencils, and tags.
	03/10 210700	FIRE-SUPPRESSION SYSTEMS INSULATION	Equipment and pipe insulation.
	03/10 211100	FACILITY FIRE-SUPPRESSION WATER-SERVICE PIPING	Fire suppression piping and specialties outside the building.
	03/10 211200	FIRE-SUPPRESSION STANDPIPES	Piping, specialties, valves, hose valves, and hose stations.
	03/10 211313	WET-PIPE SPRINKLER SYSTEMS	Piping, specialties, valves, and sprinklers for wet-pipe sprinkler systems.
	03/10 211316	DRY-PIPE SPRINKLER SYSTEMS	Piping, specialties, valves, and sprinklers for dry-pipe and preaction sprinkler systems.
	03/10 213113	ELECTRIC-DRIVE, CENTRIFUGAL FIRE PUMPS	End-suction, in-line, and split-case fire pumps; accessories, specialties, and flowmeter systems.
	03/10 213116	DIESEL-DRIVE, CENTRIFUGAL FIRE PUMPS	End-suction, in-line, and split-case fire pumps; accessories, specialties, and flowmeter systems.
	03/10 213213	ELECTRIC-DRIVE, VERTICAL-TURBINE FIRE PUMPS	Fire pumps, accessories, specialties, and flowmeter systems.
	03/10 213216	DIESEL-DRIVE, VERTICAL-TURBINE FIRE PUMPS	Fire pumps, accessories, specialties, and flowmeter systems.
	03/10 213400	PRESSURE-MAINTENANCE PUMPS	Multistage, regenerative turbine, submersible, and vertical-turbine pumps; pump controllers.
	03/10 213900	CONTROLLERS FOR FIRE-PUMP DRIVERS	Full- and limited-service, electric-driver controllers; and deisel-driver controllers
DIVISION 22 - PLUMBING			
	03/10 220513	COMMON MOTOR REQUIREMENTS FOR PLUMBING EQUIPMENT	Universal default values for small and medium, ac motors.
	03/10 220516	EXPANSION FITTINGS AND LOOPS FOR PLUMBING PIPING	Expansion joints and loops.
	03/10 220517	SLEEVES AND SLEEVE SEALS FOR PLUMBING PIPING	Sleeves and sleeve seals for piping at floor and wall penetrations.
	03/10 220518	ESCUTCHEONS FOR PLUMBING PIPING	Escutcheons and floor plates for piping at ceiling, floor, and wall penetrations.
	03/10 220519	METERS AND GAGES FOR PLUMBING PIPING	Temperature, pressure, and flow.
	03/10 220523	GENERAL-DUTY VALVES FOR PLUMBING PIPING	Gate, globe, check, butterfly, & ball valves common to multiple systems.
	03/10 220529	HANGERS AND SUPPORTS FOR PLUMBING PIPING AND EQUIPMENT	Single and multiple hangers, framing systems, and stands and supports.
U	03/10 220533	HEAT TRACING FOR PLUMBING PIPING	Electric cables for freeze protection, snow and ice melting, and temperature maintenance.
	03/10 220548	VIBRATION AND SEISMIC CONTROLS FOR PLUMBING PIPING AND EQUIPMENT	Vibration isolation devices and seismic restraints.
	03/10 220553	IDENTIFICATION FOR PLUMBING PIPING AND EQUIPMENT	Labels, stencils, and tags.
	03/10 220716	PLUMBING EQUIPMENT INSULATION	Insulation materials, jackets, and installation accessories for plumbing equipment.
	03/10 220719	PLUMBING PIPING INSULATION	Insulation materials, jackets, and installation accessories for plumbing piping.
	03/10 221113	FACILITY WATER DISTRIBUTION PIPING	Utility service, domestic, and fire-protection water, specialties, and valves.
	03/10 221116	DOMESTIC WATER PIPING	Potable-water distribution within the building.

N = NEW U = UPDATE R = REVISION

MASTERSPEC®

TABLE OF CONTENTS

MECHANICAL LIBRARY
Full Length Basic

MasterFormat 2004 Version

Issue Date	Sect. No.	SECTION TITLE	SECTION DESCRIPTION
------------	-----------	---------------	---------------------

Copyright 2010 The American Institute of Architects (AIA)
Exclusively published and distributed by Architectural Computer Services, Inc. (ARCOM) for the AIA

03/10	221119	DOMESTIC WATER PIPING SPECIALTIES	Specialties, valves, and fittings for domestic water piping.
03/10	221123	DOMESTIC WATER PUMPS	In-line separately coupled, close-coupled, centrifugal pumps.
03/10	221223	FACILITY INDOOR POTABLE-WATER STORAGE TANKS	Water storage; compression and diaphragm.
03/10	221313	FACILITY SANITARY SEWERS	Sanitary sewerage and underground structures outside the building.
03/10	221316	SANITARY WASTE AND VENT PIPING	Soil, waste, and vent piping within the building.
03/10	221319	SANITARY WASTE PIPING SPECIALTIES	Floor, trench, and channel drains; interceptors; and piping specialties.
03/10	221329	SANITARY SEWERAGE PUMPS	Effluent pumps; automatic, packaged; basins and covers.
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.
03/10	221429	SUMP PUMPS	Submersible, wet-pit volute, and package drainage-pump units; basins and covers.
03/10	221513	GENERAL-SERVICE COMPRESSED-AIR PIPING	Nonmedical piping, equipment, and accessories.
03/10	221519	GENERAL-SERVICE PACKAGED AIR COMPRESSORS AND RECEIVERS	Nonmedical air compressors, filters, and dryers.
03/10	223100	DOMESTIC WATER SOFTENERS	Domestic and general use, not treatment.
03/10	223200	DOMESTIC WATER FILTRATION EQUIPMENT	Separators; and bag, cartridge, carbon, sand, and greensand filters.
03/10	223300	ELECTRIC, DOMESTIC-WATER HEATERS	Household and commercial; tankless, instantaneous, and storage types.
03/10	223400	FUEL-FIRED, DOMESTIC-WATER HEATERS	Household and commercial; gas and oil fired; instantaneous and storage types.
03/10	224100	RESIDENTIAL PLUMBING FIXTURES	Residential water closets, lavatories, sinks, bathtubs, and shower receptors and basins.
03/10	224213.13	COMMERCIAL WATER CLOSETS	Commercial water closets, supports, flushometer valves, and supplies.
03/10	224213.16	COMMERCIAL URINALS	Commercial urinals, supports, and flushometer valves.
03/10	224216.13	COMMERCIAL LAVATORIES	Commercial lavatories, supports, faucets, traps, and supplies.
03/10	224216.16	COMMERCIAL SINKS	Commercial sinks, supports, faucets, traps, and supplies.
03/10	224223	COMMERCIAL SHOWERS, RECEPTORS, AND BASINS	Shower receptors, basins, enclosures, faucets, and heads.
03/10	224233	WASH FOUNTAINS	Stone, metal, and plastic wash fountains.
03/10	224300	MEDICAL PLUMBING FIXTURES	Plumbing fixtures for healthcare facilities.
03/10	224500	EMERGENCY PLUMBING FIXTURES	Individual and combination emergency eyewash and shower units.
03/10	224713	DRINKING FOUNTAINS	Pedestal, antifreeze pedestal, wheelchair accessible, wall mounted.
03/10	224716	PRESSURE WATER COOLERS	Freestanding, wall mounted, and wheelchair accessible.
03/10	224723	REMOTE WATER COOLERS	Remote water chillers.
DIVISION 23 - HEATING VENTILATING AND AIR CONDITIONING			
03/10	230513	COMMON MOTOR REQUIREMENTS FOR HVAC EQUIPMENT	Universal default values for small and medium, ac motors.
03/10	230516	EXPANSION FITTINGS AND LOOPS FOR HVAC PIPING	Expansion joints and loops.
03/10	230517	SLEEVES AND SLEEVE SEALS FOR HVAC PIPING	Sleeves and sleeve seals for piping at floor and wall penetrations.

N = NEW U = UPDATE R = REVISION

MASTERSPEC®

TABLE OF CONTENTS

MECHANICAL LIBRARY
Full Length Basic

MasterFormat 2004 Version

Issue Date	Sect. No.	SECTION TITLE	SECTION DESCRIPTION
Copyright 2010 The American Institute of Architects (AIA) Exclusively published and distributed by Architectural Computer Services, Inc. (ARCOM) for the AIA			
03/10	230518	ESCUTCHEONS FOR HVAC PIPING	Escutcheons and floor plates for piping at ceiling, floor, and wall penetrations.
03/10	230519	METERS AND GAGES FOR HVAC PIPING	Temperature, pressure, and flow.
03/10	230523	GENERAL-DUTY VALVES FOR HVAC PIPING	Gate, globe, check, butterfly, & ball valves common to multiple systems.
03/10	230529	HANGERS AND SUPPORTS FOR HVAC PIPING AND EQUIPMENT	Single and multiple hangers, framing systems, and stands and supports.
U 03/10	230533	HEAT TRACING FOR HVAC PIPING	Electric cables for freeze protection.
03/10	230548	VIBRATION AND SEISMIC CONTROLS FOR HVAC PIPING AND EQUIPMENT	Vibration isolation devices and seismic restraints.
03/10	230553	IDENTIFICATION FOR HVAC PIPING AND EQUIPMENT	Labels, stencils, and tags.
03/10	230593	TESTING, ADJUSTING, AND BALANCING FOR HVAC	Air distribution and hydronic systems.
03/10	230713	DUCT INSULATION	Insulation materials, jackets, and installation accessories for HVAC ducts.
03/10	230716	HVAC EQUIPMENT INSULATION	Insulation materials, jackets, and installation accessories for HVAC equipment.
03/10	230719	HVAC PIPING INSULATION	Insulation materials, jackets, and installation accessories for HVAC piping.
03/10	230800	COMMISSIONING OF HVAC	Administrative requirements and procedures for commissioning HVAC systems.
03/10	230900	INSTRUMENTATION AND CONTROL FOR HVAC	Electric, electronic, pneumatic, and DDC equipment and devices.
03/10	230993	SEQUENCE OF OPERATIONS FOR HVAC CONTROLS	Control sequences for HVAC systems.
03/10	231113	FACILITY FUEL-OIL PIPING	Transfer and storage equipment and piping.
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	HYDRONIC PIPING	Hot-, chilled-, and condenser-water piping.
03/10	232113.33	GROUND-LOOP HEAT-PUMP PIPING	Horizontal and vertical, direct-buried, ground-loop piping.
03/10	232123	HYDRONIC PUMPS	Base mounted and in-line; close coupled and separately coupled.
03/10	232213	STEAM AND CONDENSATE HEATING PIPING	LP and HP piping and specialties.
03/10	232223	STEAM CONDENSATE PUMPS	Electric driven and pressure powered; single and duplex pumps with receivers.
03/10	232300	REFRIGERANT PIPING	Piping, specialties, and refrigerant.
03/10	232500	HVAC WATER TREATMENT	Steam boiler feedwater and hot-, chilled-, and condenser-water treatment.
03/10	233113	METAL DUCTS	Rectangular and round, single- and double-wall ducts, including hangers and supports.
03/10	233116	NONMETAL DUCTS	Fibrous-glass, PVC, and FRP ducts, hangers, and supports.
03/10	233119	HVAC CASINGS	Factory and field fabricated; single and double wall.
03/10	233300	AIR DUCT ACCESSORIES	Volume dampers, fire and smoke dampers, vanes, duct silencers, and hardware.
03/10	233413	AXIAL HVAC FANS	Tubeaxial and vaneaxial fans.
03/10	233416	CENTRIFUGAL HVAC FANS	BI & FC indoor type; tubular and in-line units.
03/10	233423	HVAC POWER VENTILATORS	Roof, wall, and ceiling-mounting ventilators.
03/10	233433	AIR CURTAINS	Fans over entrances with and without heating.
03/10	233600	AIR TERMINAL UNITS	Single-duct, dual-duct, fan-powered, induction, and diffuser types.
03/10	233713	DIFFUSERS, REGISTERS, AND GRILLES	Round, rectangular, perforated, and linear diffusers; fixed and adjustable registers and grilles.
03/10	233723	HVAC GRAVITY VENTILATORS	Unpowered ventilators and louver penthouses.

N = NEW U = UPDATE R = REVISION

MASTERSPEC®

TABLE OF CONTENTS

MECHANICAL LIBRARY
Full Length Basic

MasterFormat 2004 Version

Issue Date	Sect. No.	SECTION TITLE	SECTION DESCRIPTION
Copyright 2010 The American Institute of Architects (AIA) Exclusively published and distributed by Architectural Computer Services, Inc. (ARCOM) for the AIA			
03/10	233813	COMMERCIAL-KITCHEN HOODS	Type I and Type II, Standard and Listed hoods.
03/10	234100	PARTICULATE AIR FILTRATION	Disposable, extended surface, and roll types.
03/10	234200	GAS-PHASE AIR FILTRATION	Gas adsorbent and rechargeable media, trays and housings, frames, and filter gages.
03/10	234300	ELECTRONIC AIR CLEANERS	Electronic air cleaners, access housings, service frames, and filter gages.
03/10	235100	BREECHINGS, CHIMNEYS, AND STACKS	Double-wall and refractory-lined breechings and stacks; fabricated breechings.
03/10	235113	DRAFT CONTROL DEVICES	Induced-draft fans and barometric dampers.
03/10	235213	ELECTRIC BOILERS	HW and steam; HP and LP.
03/10	235216	CONDENSING BOILERS	Packaged condensing boilers for small applications.
03/10	235223	CAST-IRON BOILERS	HW and steam; gas and oil fired.
03/10	235233	WATER-TUBE BOILERS	HW and steam; gas and oil fired.
03/10	235239	FIRE-TUBE BOILERS	HW and steam; gas and oil fired.
03/10	235313	BOILER FEEDWATER PUMPS	Condensate and vacuum pumps and receivers.
03/10	235400	FURNACES	Gas-, electric-, and oil-fired furnaces.
03/10	235513	FUEL-FIRED DUCT HEATERS	Gas- and oil-fired units.
03/10	235523	GAS-FIRED RADIANT HEATERS	Natural and LP gas units.
03/10	235533	FUEL-FIRED UNIT HEATERS	Gas- and oil-fired units.
03/10	235700	HEAT EXCHANGERS FOR HVAC	Steam to water and water to water; shell-and-tube and flat-plate types.
03/10	236200	PACKAGED COMPRESSOR AND CONDENSER UNITS	Air and water cooled.
03/10	236313	AIR-COOLED REFRIGERANT CONDENSERS	Remote forced-air, condenser, and fan units.
03/10	236333	EVAPORATIVE REFRIGERANT CONDENSERS	Induced- and forced-draft evaporative refrigerant condensers.
03/10	236413.13	DIRECT-FIRED ABSORPTION WATER CHILLERS	Natural-gas, propane, and oil fired; water cooled; two stages; and a brush-cleaning system.
03/10	236413.16	INDIRECT-FIRED ABSORPTION WATER CHILLERS	Steam and hot-water generated; one and two stage.
03/10	236416	CENTRIFUGAL WATER CHILLERS	Hermetic and open; direct and gear drives; water and air cooled.
03/10	236419	RECIPROCATING WATER CHILLERS	Water and air cooled.
03/10	236423	SCROLL WATER CHILLERS	Water and air cooled.
03/10	236426	ROTARY-SCREW WATER CHILLERS	Water-cooled, single- and multiple-compressor units; air-cooled indoor and outdoor units.
03/10	236500	COOLING TOWERS	Factory-assembled, open- and closed-circuit, induced- and forced-draft, cross- and counter-flow towers.
03/10	237313	MODULAR INDOOR CENTRAL-STATION AIR-HANDLING UNITS	Units consisting of fans, coils, dampers, filters, control devices, and accessories.
03/10	237333	INDIRECT-FIRED H&V UNITS	Gas- and oil-fired indoor and outdoor units.
03/10	237339	DIRECT-FIRED H&V UNITS	Gas-fired indoor and outdoor units.
03/10	237413	PACKAGED, OUTDOOR, CENTRAL-STATION AIR-HANDLING UNITS	Packaged, rooftop HVAC.
03/10	237433	DEDICATED OUTDOOR-AIR UNITS	Units capable of 100 percent outdoor air with heating and cooling.
03/10	238113	PACKAGED TERMINAL AIR-CONDITIONERS	Freestanding or through-the-wall; cooling only; heat pump; cooling plus hot-water heating, electric heating, and gas-fired heating.
03/10	238119	SELF-CONTAINED AIR-CONDITIONERS	Packaged cooling, heating, filters, and controls; cabinet suitable for exposed installations.
03/10	238123	COMPUTER-ROOM AIR-CONDITIONERS	Floor- and ceiling-mounted console; water and air cooled; electric, hot-water, and steam heat.
03/10	238126	SPLIT-SYSTEM AIR-CONDITIONERS	Air-distribution equipment separate from refrigeration equipment; cabinet suitable for exposed installations.

N = NEW U = UPDATE R = REVISION

MASTERSPEC®

TABLE OF CONTENTS

MECHANICAL LIBRARY
Full Length Basic

MasterFormat 2004 Version

Issue Date	Sect. No.	SECTION TITLE	SECTION DESCRIPTION
------------	-----------	---------------	---------------------

Copyright 2010 The American Institute of Architects (AIA)

Exclusively published and distributed by Architectural Computer Services, Inc. (ARCOM) for the AIA

03/10	238146	WATER-SOURCE UNITARY HEAT PUMPS	Concealed horizontal and vertical units; vertical-stack, rooftop, exposed-console units; and unit ventilators.
03/10	238213	VALANCE HEATING AND COOLING UNITS	Electric and hot water radiant heaters and heating and cooling panels.
03/10	238216	AIR COILS	Water, steam, refrigerant, and electric heat-transfer coils.
03/10	238219	FAN COIL UNITS	Hot water, steam, and electric heating; chilled or DX cooling.
03/10	238223	UNIT VENTILATORS	Hot water, steam, and electric heating; chilled or DX cooling.
03/10	238233	CONVECTORS	Hot water, steam, and electric baseboard and finned-tube radiators and convectors.
03/10	238239	UNIT HEATERS	Cabinet and propeller unit heaters, and wall and ceiling heaters.
U 03/10	238313	RADIANT-HEATING ELECTRIC CABLES	Electric cables for ceilings and floors, snow and ice melting, and freezer-floor frost prevention.
03/10	238316	RADIANT-HEATING HYDRONIC PIPING	Embedded pipe and fittings.
U 03/10	238323	RADIANT-HEATING ELECTRIC PANELS	Factory-fabricated panels.
DIVISION 28 - ELECTRONIC SAFETY AND SECURITY			
03/10	283500	REFRIGERANT DETECTION AND ALARM	Monitors, alarms, breathing apparatus, and ventilation equipment interlocks.
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.
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	323113	CHAIN LINK FENCES AND GATES	Standard chain-link fencing systems.
02/10	328400	PLANTING IRRIGATION	Heads, pipes, and controls.
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.

N = NEW U = UPDATE R = REVISION