

SECTION 22 05 50
ACCESS DOORS IN GENERAL CONSTRUCTION FOR PLUMBING

PART 1 – GENERAL

1.01 WORK INCLUDED

- A. The work of this Section shall include, but is not limited to, the following:
 - 1. Furnishing access doors for installation in general construction and color-coded identification dots.

1.02 RELATED DOCUMENTS

- A. Section 22 05 01 – Plumbing General Provisions
- B. Section 22 05 53 – Systems Identification for Plumbing

1.03 REFERENCE STANDARDS

- A. ASME – American Society of Mechanical Engineers
 - 1. ASME A13.1 – 2007 Revised 2013: Scheme for the Identification of Piping Systems
- B. ASTM – American Society for Testing and Materials
 - 1. ASTM A167: Standard Specification for Stainless and Heat-Resisting Chromium-Nickel Steel Plate, Sheet and Strip
 - 2. ASTM A1008: Standard Specification for Steel, Sheet, Cold-Rolled, Carbon, Structural, High-Strength Low-Alloy
- C. NAAMM – National Association of Architectural Metal Manufacturers
 - 1. AMP 500-06 – Metal Finishes Manual for Architectural and Metal Products
- D. UL – Underwriters Laboratories Inc.
 - 1. UL Fire Resistance – 2009: Fire Resistance Directory set

1.04 QUALITY ASSURANCE

- A. Single-Source Responsibility: Obtain doors for the entire project from a single manufacturer.
- B. Fire-Resistive Rating: Wherever access doors are required in construction where a fire-resistive classification is indicated, on the Architectural documents, provide access door assembly with panel door, frame, hinge and latch from manufacturer listed in Underwriters Laboratories Inc.'s "Building Materials Directory" for required rating.
 - 1. Provide UL Label on each fire-rated access door.
- C. Furnish inserts and anchoring devices that must be built into other work for installation of

access doors.

1.05 SUBMITTALS

- A. Shop Drawings: Submit access door locations superimposed on piping layout shop drawings. Submit manufacturer's data on access doors including size and type.

PART 2 – PRODUCTS

2.01 ACCEPTABLE MANUFACTURERS

- A. Access Doors: Milcor Inc., Karp Associates, Inc., J.L. Industries, Acudor, Williams Brothers
- B. Color-Coded Identification Buttons: Brady/Seton, Stranco

2.02 ACCESS DOOR CONSTRUCTION

- A. Provide recessed type as required to accept matching ceiling tile or drywall, etc.
- B. Provide UL-rated doors for fire-rated construction.
- C. Provide flush type steel framed panel with concealed continuous piano hinges for masonry or concrete construction. Provide textured frame for drywall construction.
- D. Provide cam type locking device. Provide cylinder lock type access doors located in public corridors and washrooms complete with master keys.
- E. Provide insulated doors in insulated or acoustically rated construction.
- F. Furnish access doors of proper size for access to concealed equipment. Unless otherwise indicated, minimum size to be 12-inch by 12-inch for hand access and minimum 18-inch by 18-inch for valve and actuator access and 24-inch by 24-inch for equipment access. The following schedule is based on Karp Associates Inc.:
 - 1. Rated Construction: Fire-rated access door UL "B" Label Model KRP
 - 2. Non-Rated Dry Wall Construction: Model KDW
 - 3. Non-Rated Masonry, Concrete: Model DSC 214-M
 - 4. Non-Rated Ceramic Tile, Stainless Steel, Satin Finish: Model DSC 214-M
 - 5. Non-Rated Plaster Wall: Model DSC 214-PL
 - 6. Non-Rated Plaster Ceilings: Model DSC 210-PL
- G. Provide color-coded dots on access doors and accessible ceiling tiles to indicate type of service.

PART 3 – EXECUTION

3.01 GENERAL

- A. Coordinate location of access doors in hung ceilings, furred spaces, walls, etc., to provide access to concealed work items requiring maintenance and/or adjustment. Obtain approval of the Architect for the locations of such access doors.
- B. Locate and group equipment requiring access doors. Coordinate location of equipment

with other trades to minimize number of access doors in one area.

- C. Provide access doors for maintenance or adjustment purposes for plumbing system components, including but not limited to the following:
 - 1. Valves
 - 2. Concealed equipment
- D. Access doors shall be marked by small color markings at corner of tile or door in accordance with the following color assignments:
 - 1. Plumbing: Silver, unless the owner has a specific color coding system in place.

END OF SECTION 22 05 50