

SECTION 08310
ACCESS DOORS

PART 1 - GENERAL

1.01 PROVISIONS INCLUDED

- A. The general provisions of the Contract, including General and Supplementary Conditions and Division 1 General Requirements, apply to this Section.

1.02 SUMMARY

- A. Work Included: Access doors for access to concealed mechanical and electrical equipment and controls.
- B. Provide an access door, complying with these specifications, for each location where access is required for operation and maintenance of concealed equipment, valves, controls and the like, even if not shown on the drawings.
 - 1. Access doors required for access to mechanical and electrical work shall be furnished by the trade installing equipment which requires access.
 - 2. Access door shall be installed by the trade installing the surrounding wall construction, in accordance with this section of the Specifications.
- C. Related Work Specified in Other Sections:
 - 1. Installation of access doors: Section 09250, Gypsum Board.
 - 2. Field painting of access doors is specified in Section 09900.
 - 3. Furnishing access panels: Division 15 and Division 16 Sections.

1.03 SUBMITTALS

- A. Product Data: Submit manufacturer's technical data and installation instructions for each type of access door assembly, including setting drawings, templates, and installation instructions.
- B. Shop Drawings: Submit shop drawings for fabrication and installation of customized access doors and frames, including details of each frame type, elevations of door design types, anchorage and accessory items.
- C. Schedule: Provide complete door and frame schedule, including types, general locations, sizes, construction details, latching or locking provisions, and other data pertinent to installation.

1.04 QUALITY ASSURANCE

- A. Single-Source Responsibility: Obtain access doors from one source from a single manufacturer.
- B. Fire-Resistance Ratings: Where a fire-resistance classification is indicated, provide access door assembly with panel door, frame, hinge, and latch from manufacturer listed in

Underwriters Laboratories, Inc.'s "Building Materials Directory" for rating shown. Provide UL label on each fire-rated access door.

- C. Size Variations: Obtain Architect's acceptance of manufacturer's standard size units, which may vary slightly from sizes indicated.

1.05 PROJECT CONDITIONS

- A. Verification: Obtain specific locations and sizes for required access doors from trades requiring access to concealed equipment, and indicate on submittal schedule.
- B. Special-Size Access Doors: Use where required or requested; indicate on schedule.

1.06 COORDINATION

- A. Advise Installers about specific requirements relating to access door installation, including sizes of openings to receive access door and frame, as well as locations of supports, inserts, and anchoring devices.
- B. Furnish inserts and anchoring devices for access doors that must be built into other construction. Coordinate delivery with other work to avoid delay.

PART 2 - PRODUCTS

2.01 MANUFACTURERS

- A. Subject to compliance with requirements, provide access doors by one of the following:
 1. J.L. Industries
 2. Karp Associates, Inc.
 3. Larsen's
 4. Milcor, Inc.

2.02 MATERIALS

- A. Stainless-Steel Sheet: ASTM A 167, Type 304 with No. 4 finish according to ASTM A 480/A 480M.
- B. Steel Sheet: ASTM A 366/A 366M commercial-quality, cold-rolled steel sheet with baked-on, rust-inhibitive primer.
- C. Zinc-Coated Steel Sheet: ASTM A 591/A 591M, Electrolytic zinc-coated steel sheet with Class C coating and phosphate treatment to prepare surface for painting.

2.03 ACCESS DOORS, GENERAL

- A. Furnish each access door assembly manufactured as an integral unit, complete with all parts and hardware, and ready for installation.
- B. Fabricate units of continuous welded steel construction, unless otherwise indicated. Grind welds smooth and flush with adjacent surfaces.

- C. Size: As shown on Drawings or, if not shown, as required for access, but in no case smaller than 16" x 15" in walls and 24" x 24" in ceilings.
- D. Locking device: Furnish flush, key-operated cam locks of number required to hold door in flush plane when closed.

2.04 ACCESS DOORS, PRIMED STEEL

- A. Insulated, Fire-Rated Access Doors: Self-latching units consisting of frame, trim, door, insulation, and hardware, including automatic closer, interior latch release, and complying with the following requirements:

1. Frame with Exposed Trim: Perimeter frame with integral exposed trim.
 - a. Metal: 0.0598-inch- (1.52-mm-) thick zinc-coated steel sheet.
 - b. Trim: 1-inch (25.4-mm) flange overlapping surfaces surrounding door frame.
2. Door: 0.0359-inch- (0.91-mm-) thick steel sheet, welded pan type, insulated with 2-inch- (50.8-mm-) thick mineral-fiber insulation.
3. Hardware: Continuous hinges; latch bolt operated by either a ring turn or flush key device (keyed alike), and automatic spring closing mechanism.
4. Fire-Protection Rating: Match the assembly into which the door is installed.
6. Acceptable Products: Karp KRP-150-FR, Milcor UFR, JL Model FD.

- B. Flush Access Doors with Exposed Trim: Units consisting of frame with exposed trim, door, hardware, and complying with the following requirements:

1. Frame: 0.0598-inch-thick zinc-coated steel sheet.
2. Door: 0.0747-inch-thick zinc-coated steel sheet.
3. Trim: Flange integral with frame, 3/4 inch wide, overlapping surrounding finished surface.
4. Hinge: Continuous type.
5. Acceptable Products: Milcor M, Karp DSC-214M, and J.L. Model TM.

2.05 ACCESS DOORS, STAINLESS STEEL

- A. Insulated, Fire-Rated Access Doors: Self-latching units consisting of frame, trim, door, insulation, and hardware, including automatic closer, interior latch release, and complying with the following requirements:

1. Frame with Exposed Trim: Perimeter frame, fabricated from minimum 0.0625-inch-thick stainless-steel sheet, with integral 1-inch wide exposed flange overlapping surfaces surrounding door frame.

2. Door: 0.0375-inch-thick stainless-steel sheet, welded pan type, insulated with 2-inch-thick mineral-fiber insulation.
 3. Hardware: Continuous hinges; latch bolt operated by either a ring turn or flush key device (keyed alike), and automatic spring closing mechanism.
 4. Fire-Protection Rating for Walls: 1-1/2 hours.
 5. Available Products: KRP-150-FR (stainless steel), Milcor Fire Rated (stainless steel), JL Model FDSS, and Larsen's L-FRAPSS.
- B. Flush Access Doors with Exposed Trim: Units consisting of frame, trim, door and hardware, complying with the following requirements:
1. Frame: Fabricated from minimum 0.0625-inch-thick stainless-steel sheet
 2. Door: 0.0781-inch-thick stainless-steel sheet.
 3. Trim: Flange integral with frame, 3/4 inch wide, overlapping surrounding finished surface.
 4. Hinge: Continuous type.
 5. Available Products: Milcor MS, Karp DSC-214M (stainless steel), or J.L. Model TMS.

PART 3 - EXECUTION

3.01 INSTALLATION

- A. Scope: Install stainless steel access doors in toilet rooms and kitchen. Install primed steel access doors at other locations.
- B. Comply with manufacturer's instructions for installation of access doors.
- C. Coordinate installation with work of other trades.
- D. Set frames accurately in position and securely attach to supports with face panels plumb or level in relation to adjacent finish surfaces.

3.02 ADJUST AND CLEAN

- A. Adjust hardware and panels after installation for proper operation.
- B. Remove and replace panels or frames that are warped, bowed, or otherwise damaged.

END OF SECTION 08310