

SECTION 08 31 13
ACCESS DOORS AND FRAMES

PART 1 - GENERAL

1.1 SUMMARY

- A. Section includes access doors and frames for walls and ceilings.

1.2 ACTION SUBMITTALS

- A. Product Data: Technical data for each type of product including construction details, fire ratings, material descriptions, dimensions of individual components and profiles, and finishes.
- B. Samples: Submit samples for each type of access door and frame and for each finish specified, complete assembly minimum 6 by 6 inches (150 by 150 mm) in size.
- C. Product Schedule: For access doors and frames. Use same designations indicated on Drawings.

1.3 COORDINATION

- A. Coordinate exact locations of access doors and frames with all mechanical, electrical, plumbing, communication and other items such that access doors and frames are provided for all concealed components requiring maintenance, testing, inspection and adjustment for building systems and operation. As all mechanical, electrical, plumbing, communication and other such items require Contractor coordination for final locations, access door and frames locations and total required number of units is subject to that coordination.
- B. Coordinate the Work of other sections to provide sufficient anchorage and maintain fire rating integrity.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

- A. Fire Rated Access Doors and Frames: Assemblies complying with NFPA 80 that are listed and labeled by a qualified testing agency, for fire protection and temperature rise limit ratings indicated, according to NFPA 252 or UL 10B.

2.2 ACCESS DOORS AND FRAMES

- A. Flush Access Doors with Exposed Flanges AP-1:

1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - a. Acudor Products, Inc.
 - b. JL Industries, Inc.; a division of the Activar Construction Products Group.
 - c. Larsens Manufacturing Company.
 - d. Milcor; Commercial Products Group of Hart & Cooley, Inc.
 - e. Nystrom, Inc.
 - f. Williams Bros. Corporation of America (The).
 2. Description: Face of door flush with frame, with exposed flange and concealed hinge.
 3. Locations: Wall and ceiling.
 4. Door Size: Indicated on Drawings; Minimum size 24 inches by 24 inches
 5. Fire Resistance Rating: Not Rated
 6. Uncoated Steel Sheet for Door: Nominal 0.060 inch (1.52 mm), factory primed factory primed for field finishing.
 7. Frame Material: Same material, thickness, and finish as door.
 8. Latch and Lock: Cam latch, key operated.
 9. Unit Size: 18 inches by 18 inches unless otherwise noted on the Drawings or necessary to facilitate access to Contractor coordinated items concealed items requiring periodic access for maintenance, testing and periodic inspection by the LAHJ.
 - a. Verify all final sizes and locations with Architect prior to procurement or coordination of rough openings.
- B. Exterior Flush Access Doors (AP-X):
1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - a. Babcock-Davis.
 - b. JL Industries, Inc.; a division of the Activar Construction Products Group.
 - c. Larsens Manufacturing Company.
 - d. Maxam Metal Products Limited.
 - e. MIFAB, Inc.
 - f. Nystrom, Inc.
 - g. Williams Bros. Corporation of America (The).
 2. Description: Weatherproof assembly, with face of door fit flush with frame and with exposed frame. Include extruded door gaskets and minimum 2 inch thick (50 mm thick) fiberglass insulation.
 3. Locations: Wall.
 4. Door Size: Indicated on Drawings.
 5. Aluminum Sheet for Door: Nominal 0.045 inch (1.15 mm), with baked enamel or powder coat finish.
 - a. Color as selected by Architect from manufacturer's full range.
 6. Frame Material: Same material, thickness, and finish as door.

7. Latch and Lock: Cam latch operated by handle, with keyed lock in handle; with interior release.
 8. Unit Size: 18 inches by 18 inches unless otherwise noted on the Drawings or necessary to facilitate access to Contractor coordinated items concealed items requiring periodic access for maintenance, testing and periodic inspection by the LAHJ.
- C. Verify all final sizes and locations with Architect prior to procurement or coordination of rough openings.

2.3 FIRE RATED ACCESS DOORS AND FRAMES

- A. Fire Rated, Flush Access Doors with Exposed Flanges AP-2:
1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - a. Babcock-Davis.
 - b. JL Industries, Inc.; a division of the Activar Construction Products Group.
 - c. Larsens Manufacturing Company.
 - d. Milcor; Commercial Products Group of Hart & Cooley, Inc.
 - e. Nystrom, Inc.
 - f. Williams Bros. Corporation of America (The).
 2. Description: Door face flush with frame, with a core of mineral fiber insulation enclosed in sheet metal; with exposed flange, self closing door, and concealed hinge.
 3. Locations: Wall and ceiling.
 4. Door Size: Indicated on Drawings.
 5. Fire Resistance Rating: Not less than that of adjacent construction.
 6. Temperature Rise Rating: 250 degrees F (139 degrees C) at the end of 30 minutes.
 7. Uncoated Steel Sheet for Door: Nominal 0.036 inch (0.91 mm), factory primed for field finishing.
 8. Frame Material: Same material, thickness, and finish as door.
 9. Latch and Lock: Self latching door hardware, operated by knurled knob with interior release.
 10. Unit Size: 18 inches by 18 inches unless otherwise noted on the Drawings or necessary to facilitate access to Contractor coordinated items concealed items requiring periodic access for maintenance, testing and periodic inspection by the LAHJ.
 - a. Verify all final sizes and locations with Architect prior to procurement or coordination of rough openings.

2.4 MATERIALS

- A. Steel Plates, Shapes, and Bars: ASTM A 36/A 36M.

- B. Steel Sheet: Uncoated or electrolytic zinc coated, ASTM A 879/A 879M, with cold-rolled steel sheet substrate complying with ASTM A 1008/A 1008M, Commercial Steel (CS), exposed.
- C. Stainless Steel Sheet, Strip, Plate, and Flat Bars: ASTM A 666, Type 304. Remove tool and die marks and stretch lines, or blend into finish.
- D. Inserts, Bolts, and Anchor Fasteners: Hot-dip galvanized steel according to ASTM A 153/A 153M or ASTM F 2329.

2.5 FABRICATION

- A. Provide access door and frame assemblies manufactured as integral units ready for installation.
- B. Metal Surfaces: For metal surfaces exposed to view in the completed Work, provide materials with smooth, flat surfaces without blemishes. Do not use materials with exposed pitting, seam marks, roller marks, rolled trade names, or roughness.
- C. Doors and Frames: Grind exposed welds smooth and flush with adjacent surfaces. Furnish mounting holes, attachment devices and fasteners of type required to secure access doors to types of supports indicated.
 - 1. For concealed flanges with drywall bead, provide edge trim for gypsum panels securely attached to perimeter of frames.
 - 2. For concealed flanges with plaster bead for full bed plaster applications, provide zinc coated expanded metal lath and exposed casing bead welded to perimeter of frames.
- D. Latch and Lock Hardware:
 - 1. Quantity: Furnish number of latches and locks required to hold doors tightly closed.
 - 2. Keys: Furnish two keys per lock and key all locks alike.
- E. Aluminum: After fabrication, apply protective coating on aluminum in contact with concrete.

2.6 FINISHES

- A. Comply with NAAMM Metal Finishes Manual for Architectural and Metal Products for recommendations for applying and designating finishes.
- B. Protect mechanical finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipping.
- C. Appearance of Finished Work: Noticeable variations in same piece are not acceptable. Variations in appearance of adjoining components are acceptable if they are within the range of approved Samples and are assembled or installed to minimize contrast.
- D. Painted Finishes: Comply with coating manufacturer's written instructions for cleaning, conversion coating, and applying and baking finish.

1. Factory Primed: Apply lead and chromate free, universal primer immediately after surface preparation and pretreatment.
2. Factory Finished: Apply baked enamel or powder coat finish immediately after cleaning and pretreating, with minimum dry film thickness of 1 mil (0.025 mm) for topcoat.
 - a. Color: Selected by Architect.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates for compliance with requirements for installation tolerances and other conditions affecting performance of the work. Proceed with installation after correcting unsatisfactory conditions.

3.2 INSTALLATION

- A. Comply with manufacturer's written instructions for installing access doors and frames.

3.3 ADJUSTING

- A. Adjust doors and hardware, after installation, for proper operation.

END OF SECTION

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