

## SECTION 08310

### ACCESS DOORS AND FRAMES

#### PART 1 - GENERAL

##### 1.1 SUMMARY

- A. This Section includes the following:
  - 1. Fire-rated access doors and frames.
- B. See Division 8 Section "Door Hardware" for mortise or rim cylinder locks and master keying.

##### 1.2 SUBMITTALS

- A. Product Data: For each type of access door indicated.
- B. Coordination Drawings: Drawn to scale and coordinating access door and frame installation with ceiling support, ceiling-mounted items, and concealed Work above ceiling.
- C. Samples: For each exposed finish.
- D. Schedule: Door and frame schedule, including types, general locations, sizes, construction details, latching or locking provisions, and other data pertinent to installation.

##### 1.3 QUALITY ASSURANCE

- A. Fire-Rated Access Doors and Frames: Units complying with NFPA 80 and that are labeled and listed by UL, ITS, or another testing and inspecting agency acceptable to authorities having jurisdiction per test method indicated.
  - 1. Vertical Access Doors: NFPA 252 or UL 10B. One Hour Fire Rated
  - 2. Horizontal Access Doors and Frames: ASTM E 119, UBC Standard 7.1, or UL 263.
- B. Size and Location Verification: Determine specific locations and sizes for access doors needed to gain access to concealed equipment, and indicate on schedule.

#### PART 2 - PRODUCTS

##### 2.1 MATERIALS

- A. Steel Plates, Shapes, and Bars: ASTM A 36/A 36M.
  - 1. Hot-Dip Galvanized Steel: Coat to comply with ASTM A 123/A 123M for steel and iron products and ASTM A 153/A 153M for steel and iron hardware.
- B. Steel Sheet:
  - 1. Hot-Rolled: ASTM A 569/A 569M, Commercial Steel (CS), Type B; free of scale, pitting, and surface defects; pickled and oiled.
  - 2. Cold-Rolled: ASTM A 366/A 366M, Commercial Steel (CS), or ASTM A 620/A 620M, Drawing Steel (DS), Type B; stretcher-leveled standard of flatness.

- a. Electrolytic zinc-coated steel sheet, complying with ASTM A 591/A 591M, Class C coating, may be substituted at fabricator's option.
  - 3. Electrolytic Zinc Coated: ASTM A 591/A 591M, Commercial Steel (CS), with Class C coating and phosphate treatment to prepare surface for painting.
  - 4. Metallic Coated: ASTM A 653/A 653M, Commercial Steel (CS), Type B, with A60 zinc-iron-alloy (galvannealed) coating or G60 mill-phosphatized zinc coating; stretcher-leveled standard of flatness.
- C. Aluminum Sheet: ASTM B 209, alloy and temper recommended by aluminum producer and finisher for type of use and finish indicated, and with not less than the strength and durability properties of alloy 5005-H15.
  - D. Rolled-Steel Floor Plate: ASTM A 786/A 786M, rolled from plate complying with ASTM A 36/A 36M or ASTM A 283/A 283M, Grade C or D.
  - E. Aluminum Extrusions: ASTM B 221, alloy 6063-T6.
  - F. Aluminum-Alloy Rolled Tread Plate: ASTM B 632/B 632M, alloy 6061-T6.
  - G. Drywall Beads: Edge trim formed from 0.0299-inch zinc-coated steel sheet formed to receive joint compound and in size to suit thickness of gypsum panels indicated.
  - H. Plaster Bead: Casing bead formed from 0.0299-inch zinc-coated steel sheet with flange formed out of expanded metal lath and in size to suit thickness of plaster.
  - I. Paint:
    - 1. Shop Primer for Ferrous Metal: Fast-curing, lead- and chromate-free, universal modified-alkyd primer complying with performance requirements in FS TT-P-664; selected for good resistance to normal atmospheric corrosion, compatibility with finish paint systems indicated, and capability to provide sound foundation for field-applied topcoats despite prolonged exposure.
    - 2. Shop Primer for Metallic-Coated Steel: Organic zinc-rich primer complying with SSPC-Paint 20 and compatible with topcoat.
    - 3. Galvanizing Repair Paint: High-zinc-dust-content paint for regalanizing welds in steel, complying with SSPC-Paint 20.

## 2.2 ACCESS DOORS AND FRAMES

- A. Available Manufacturers: Subject to compliance with requirements, manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
- B. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
  - 1. Acudor Products, Inc.
  - 2. Bar-Co, Inc. Div.; Alfab, Inc.
  - 3. Cendrex, Inc.
  - 4. Cesco Products.
  - 5. Elmdor/Stoneman; Div. of Acorn Engineering Co.
  - 6. Jensen Industries.
  - 7. J. L. Industries, Inc.
  - 8. Karp Associates, Inc.
  - 9. Larsen's Manufacturing Company.

10. **MIFAB Manufacturing, Inc. 22”X30” MPFR –DW WITH DRYWALL BEAD (basis of design)**
11. Milcor Limited Partnership. Nystrom Building Products Co.
12. Precision Plumbing Products, Inc.
13. Williams Bros. Corporation of America (The).

- C. Flush, Insulated, Fire-Rated Access Doors and Trimless Frames:
1. Material: Prime-painted steel sheet.
  2. Surface Type: Gypsum board.
  3. Locations: Ceilings.
  4. Fire-Resistance Rating: 1 hour.
  5. Temperature-Rise Rating: **250 deg F** at the end of 30 minutes.
  6. Door: Flush panel with core of mineral-fiber insulation enclosed in sheet metal with a minimum thickness of **0.036 inch**.
  7. Frame: Minimum **0.060-inch**- thick sheet metal with drywall bead.
  8. Hinges: Continuous piano hinge.
  9. Automatic Closer: Spring type.
  10. Latch: Self-latching bolt lock with knurled knob.

### 2.3 FABRICATION

- A. Latching Mechanisms: Furnish number required to hold doors in flush, smooth plane when closed.
1. For recessed panel doors, provide access sleeves for each locking device. Furnish plastic grommets and install in holes cut through finish.

## PART 3 - EXECUTION

### 3.1 INSTALLATION

- A. Advise installers of other work about specific requirements relating to access door and floor door installation, including sizes of openings to receive access door and frame, as well as locations of supports, inserts, and anchoring devices.
- B. Set frames accurately in position and attach securely to supports with plane of face panels aligned with adjacent finish surfaces.
- C. Install access doors with trimless frames flush with adjacent finish surfaces or recessed to receive finish material.
- D. Adjust doors and hardware after installation for proper operation.

END OF SECTION