

SECTION 083113 – ACCESS DOORS AND FRAMES

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Access doors and frames in walls, ceilings, and floors.
2. Fire-rated access doors and frames.
3. Chimney clean-out doors and frames.

B. Related Sections:

1. Section 099113 – Exterior Painting.
2. Section 099123 – Interior Painting.

1.2 PREINSTALLATION MEETINGS

- A. Preinstallation Conference: Conduct conference at Project site.

1.3 ACTION SUBMITTALS

- A. Product Data: For each type of product.
- B. Samples: For each type of access door and frame and for each finish specified.
- C. Product Schedule: For access doors and frames.

1.4 CLOSEOUT SUBMITTALS

- A. Record Documents: For fire-rated doors, list of applicable room name and number in which access door is located.

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 ratings indicated, according to NFPA 252 or UL 10B.

2.2 ACCESS DOORS AND FRAMES

A. Flush Access Doors with Exposed Flanges:

1. Description: Face of door flush with frame, with exposed flange and concealed hinge.

2. Optional Features: **[Gasketing]** **[Double-leaf doors]** **[Piano hinges]** **[Louvers]** **[Masonry anchors]** **[Removable doors]** **<Insert feature>**.
 3. Locations: **[Wall]** **[Ceiling]** **[Floor]**.
 4. Uncoated Steel Sheet for Door: Nominal 0.060 inch, 16 gauge, factory **[primed]** **[finished]**.
 5. Metallic-Coated Steel Sheet for Door: Nominal 0.064 inch, 16 gauge, factory **[primed]** **[finished]**.
 6. Frame Material: Same material, thickness, and finish as door.
 7. Latch and Lock: **[Cam latch, screwdriver operated]** **[Cam latch, key operated]** **[Cam latch, hex-head wrench operated]** **[Cam latch, pinned-hex-head wrench operated]** **[Cam latch, spanner-head wrench operated]** **[Latch bolt, knurled-knob operated]** **[Latch bolt, key operated]** **[Prepared for mortise cylinder]** **[As indicated on Drawings]** **[As indicated in schedule]**.
- B. Flush Access Doors with Concealed Flanges:
1. Description: Face of door flush with frame; with concealed flange for **[gypsum board]** **[plaster]** installation and concealed hinge.
 2. Optional Features: **[Gasketing]** **[Double-leaf doors]** **[Piano hinges]** **[Louvers]** **[Masonry anchors]** **[Removable doors]** **<Insert feature>**.
 3. Locations: **[Wall]** **[Ceiling]** **[Floor]**.
 4. Uncoated Steel Sheet for Door: Nominal 0.060 inch, 16 gauge, factory **[primed]** **[finished]**.
 5. Metallic-Coated Steel Sheet for Door: Nominal 0.064 inch, 16 gauge, factory **[primed]** **[finished]**.
 6. Frame Material: Same material and thickness as door.
 7. Latch and Lock: **[Cam latch, screwdriver operated]** **[Cam latch, key operated]** **[Cam latch, hex-head wrench operated]** **[Cam latch, pinned-hex-head wrench operated]** **[Cam latch, spanner-head wrench operated]** **[Latch bolt, knurled-knob operated]** **[Latch bolt, key operated]** **[Prepared for mortise cylinder]** **[As indicated on Drawings]** **[As indicated in schedule]** **<Insert operator>** **[with interior release]**.
- C. Lightweight Flush Access Doors:
1. Description: Face of door flush with exposed flange, with exposed piano hinge; frameless for surface installation.
 2. Optional Features: **[Gasketing]** **[Double-leaf doors]** **[Piano hinges]** **[Louvers]** **[Masonry anchors]** **[Removable door]** **<Insert feature>**.
 3. Locations: **[Wall]** **[Ceiling]** **[Wall and ceiling]** **<Insert location or substrate>**.
 4. Uncoated Steel Sheet for Door: Nominal 0.018 inch, 26 gauge, factory **[primed]** **[finished]**.
 5. Metallic-Coated Steel Sheet for Door: Nominal 0.022 inch, 26 gauge, factory **[primed]** **[finished]**.

6. Frame Material: **[Aluminum, nominal 0.045 inch, mill finish]** <Insert material, thickness, and finish>.
7. Latch and Lock: **[Cam latch, screwdriver operated]** **[Cam latch, key operated]** **[Cam latch, hex-head wrench operated]** **[Cam latch, pinned-hex-head wrench operated]** **[Cam latch, spanner-head wrench operated]** **[Latch bolt, knurled-knob operated]** **[Latch bolt, key operated]** **[Prepared for mortise cylinder]** **[As indicated on Drawings]** **[As indicated in schedule]**.

2.3 FIRE-RATED ACCESS DOORS AND FRAMES

A. Fire-Rated, **[Flush]** **[Recessed]** Access Doors with Exposed Flanges:

1. Description: Door face flush with frame, **[with a core of mineral-fiber insulation enclosed in sheet metal]** **[uninsulated]**; with exposed flange, self-closing door, and concealed hinge.
2. Optional Features: **[Upward-opening doors for ceilings]** **[Gasketing]** **[Double-leaf doors]** **[Piano hinges]** **[Masonry anchors]** <Insert feature>.
3. Locations: **[Wall]** **[Ceiling]** **[Wall and ceiling]** <Insert location or substrate>.
4. Fire-Resistance Rating: Not less than **[that indicated]** **[that of adjacent construction]** **[45 minutes]** **[1 hour]** **[1-1/2 hours]** **[2 hours]** **[3 hours]** <Insert requirement>.
5. Uncoated Steel Sheet for Door: Nominal 0.036 inch, 20 gauge, factory **[primed]** **[finished]**.
6. Metallic-Coated Steel Sheet for Door: **[Nominal 0.040 inch, 20 gauge]** <Insert thickness>, factory **[primed]** **[finished]**.
7. Frame Material: **[Same material, thickness, and finish as door]** <Insert material, thickness, and finish>.
8. Latch and Lock: Self-latching door hardware, **[operated by knurled-knob]** **[operated by key]** **[prepared for mortise cylinder]** **[as indicated on Drawings]** **[as indicated in schedule]**.

B. Fire-Rated, **[Flush]** **[Recessed]** Access Doors with Concealed Flanges:

1. Description: Door face flush with frame, **[with a core of mineral-fiber insulation enclosed in sheet metal]** **[uninsulated]**; with concealed flange for **[gypsum board]** **[plaster]** installation, self-closing door, and concealed hinge.
2. Optional Features: **[Upward-opening doors for ceilings]** **[Gasketing]** **[Double-leaf doors]** **[Piano hinges]** **[Masonry anchors]** <Insert feature>.
3. Locations: **[Wall]** **[Ceiling]** **[Wall and ceiling]** <Insert location or substrate>.
4. Fire-Resistance Rating: Not less than **[that indicated]** **[that of adjacent construction]** **[45 minutes]** **[1 hour]** **[1-1/2 hours]** **[2 hours]** **[3 hours]** <Insert requirement>.
5. Uncoated Steel Sheet for Door: Nominal 0.036 inch, 20 gauge, factory **[primed]** **[finished]**.
6. Metallic-Coated Steel Sheet for Door: Nominal 0.040 inch, 20 gauge, factory **[primed]** **[finished]**.
7. Frame Material: Same material, thickness, and finish as door.

8. Latch and Lock: Self-closing, self-latching door hardware, **[operated by knurled-knob]** **[operated by key]** **[prepared for mortise cylinder]** **[as indicated on Drawings]** **[as indicated in schedule]**

2.4 MATERIALS

- A. Steel Plates, Shapes, and Bars: ASTM A36.
- B. Steel Sheet: Uncoated or electrolytic zinc coated, ASTM A879, with cold-rolled steel sheet substrate complying with ASTM A1008, Commercial Steel (CS), exposed.
- C. Metallic-Coated Steel Sheet: ASTM A653, Commercial Steel (CS), Type B; with minimum G60 or A60 metallic coating.
- D. Frame Anchors: Same material as door face.
- E. Inserts, Bolts, and Anchor Fasteners: Hot-dip galvanized steel according to ASTM A153 or ASTM F2329.

2.5 FABRICATION

- A. 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.
- B. 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.
- C. 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.

2.6 FINISHES

- A. Painted Finishes: Comply with coating manufacturer's written instructions for cleaning, conversion coating, and applying and baking finish.
 1. Factory Primed: Apply manufacturer's standard, lead- and chromate-free, universal primer immediately after surface preparation and pretreatment.
 2. Factory Finished: Apply manufacturer's standard baked-enamel or powder-coat finish immediately after cleaning and pretreating, with minimum dry-film thickness of 1 mil for topcoat.
 - a. Color: **[As indicated by manufacturer's designations]** **[As selected by Design-Professional-of-Record from full range of industry colors]** **As selected by Owner from full range of industry colors]**.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Comply with manufacturer's written instructions for installing access doors and frames.
- B. Adjust doors and hardware, after installation, for proper operation.

END OF SECTION 083113