

**3-PART CSI MASTERFORMAT SPECIFICATION  
SECTION 08 3113  
ACCESS DOORS AND FRAMES**

REV 12/22

PART 1 - GENERAL

1.1 SUMMARY

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

1.2 RELATED DOCUMENTS

**Retain subparagraphs below to cross-reference requirements Contractor might expect to find in this Section but are specified in other Sections.**

- A. Section 077200 "Roof Accessories" for roof hatches.
- B. Section 083113.53 "Security Access Doors and Frames" for access doors and frames for security applications.
- C. Section 083483 "Floor Doors" for doors installed in floors.
- D. Section 233300 "Air Duct Accessories" for heating and air-conditioning duct access doors.

1.3 ALLOWANCES

**Retain products and Work included in this Section that are covered by cash or quantity allowance. Do not include amounts. Insert descriptions of items in Part 2 or 3 to provide information affecting the cost of the Work that is not included under the allowance.**

- A. Access doors and frames are part of an access door and frame allowance.

1.4 ACTION SUBMITTALS

- A. Product Data: For each type of product.

**Retain option in subparagraph below if fire-rated units are included in the Work.**

1. Include construction details [, **fire ratings,**] material descriptions, dimensions of individual components and profiles, and finishes.
- B. Samples: For each type of access door and frame and for each finish specified, complete assembly minimum **6 by 6 inches** in size.
- C. Product Schedule: For access doors and frames.[ **Use same designations indicated on Drawings.**]

**Coordination drawings, as an informational submittal, may be added if required for complex projects or for spaces where the layout of access doors and frames on ceilings is important to the design.**

### 1.5 INFORMATIONAL SUBMITTALS

- A. Provide manufacturer's standard warranty.
- B. Sustainable Design Submittals:
  - 1. Building Product Disclosure Requirements: To encourage the use of building products that are working to minimize their environmental and health impacts, provide the following information when available:
    - a. Material Ingredients Documentation demonstrating the chemical inventory of the product

### 1.6 CLOSEOUT SUBMITTALS

- A. Manufacturer's Installation Instructions and Operation & Maintenance: Indicate installation, operation and maintenance requirements and rough-in dimensions.

### 1.7 QUALITY ASSURANCE

- A. Specify single source supplier for consistent appearance throughout the building.

### 1.8 DELIVERY, STORAGE, AND HANDLING

- A. Deliver materials to Project site ready use.
- B. Exercise proper care in handling of Work so as not to disrupt finished surfaces.
- C. Store materials under cover in a dry and clean location off the ground.

### 1.9 WARRANTY

- A. Provide manufacturer's standard warranty.

## PART 2 - PRODUCTS

### 2.1 MANUFACTURERS

- A. Babcock-Davis  
9300 73rd Avenue North  
Brooklyn Park, MN 55428

- B. Single Source: All work of this Section shall be produced by a single manufacturer, unless otherwise approved by the Architect.

### 2.2 PERFORMANCE REQUIREMENTS

**Retain this article if fire-rated units are required. Retain option if temperature-rise assemblies are required.**

- 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.

## 2.3 ACCESS DOORS AND FRAMES (NON-RATED)

**Insert drawing designation. Use these designations on Drawings to identify each product.**

- A. Flush Access Doors (Model: BNT Architectural) with Exposed Flanges (Non-Rated General Purpose Access Door) <Insert drawing designation>.
1. Description: Face of door flush with frame, with **1-inch** exposed flange and concealed, removable, button hinge.
  2. Locations: **[Wall] [Ceiling] [Wall and ceiling]** <Insert location or substrate>.
  3. Door Size: <Insert door size>.

**Retain "Steel Sheet," or "Stainless-Steel Sheet" Subparagraph below.**

4. Steel Sheet:
  - a. Door Material: Nominal **0.062 inch (1.6 mm)** 16 gauge. Fold on all four sides for structural rigidity.
    - 1) Optional Material: Nominal **0.075 inch (1.9 mm)** 14 gauge
  - b. Frame Material: Nominal **0.062 inch**, 16 gauge. Provide **1/4-inch** mounting holes and easy install tabs.
  - c. Finish: Paintable White; powder-coat.

**Revise "Stainless-Steel Sheet" Subparagraph below for other finishes; No. 4 is typical.**

5. Stainless-Steel Sheet:
  - a. Door Material: Nominal **0.063 inch**, 16 gauge.
  - b. Frame Material: Nominal **0.063 inch**, 16 gauge.
  - c. Finish: Type 304, stainless-steel, No. 4 finish.
6. Hinges: Concealed spring, button type, to allow for door removal.

**Revise "Latch and Lock" Subparagraph below for other hardware offered by some manufacturers; options include commonly available choices.**

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] [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].**
8. Options: **[Gasketing] [Double-leaf doors] [Louvered door] [Masonry anchors] [Flush continuous piano hinge].**

**Insert drawing designation. Use these designations on Drawings to identify each product.**

- B. Flush Access Doors with continuous EPDM gasket **[Model: BGT with exposed Flanges][Model BGW with Concealed Flanges for drywall installation]** (Non-Rated General Purpose Access Door) <Insert drawing [www.nstrom.com](http://www.nstrom.com) designation>.
1. Description: Face of door flush with frame, with **[1-inch exposed flange][concealed flange for gypsum board installation]** and concealed, removable, button hinge.
  2. Locations: **[Wall] [Ceiling] [Wall and ceiling]** <Insert location or substrate>.
  3. Door Size: <Insert door size>.

**Retain "Steel Sheet," or "Stainless-Steel Sheet" Subparagraph below.**

4. Steel Sheet:
  - a. Door Material: Nominal **0.062 inch (1.6 mm)** 16 gauge. Fold on all four sides for structural rigidity.
  - b. Frame Material: Nominal **0.062 inch**, 16 gauge. Provide **1/4-inch** mounting holes and easy install tabs.
  - c. Finish: Paintable White; powder-coat.

**Revise "Stainless-Steel Sheet" Subparagraph below for other finishes; No. 4 is typical.**

5. Stainless-Steel Sheet:
  - a. Door Material: Nominal **0.063 inch**, 16 gauge.
  - b. Frame Material: Nominal **0.063 inch**, 16 gauge.
  - c. Finish: Type 304, stainless-steel, No. 4 finish.
6. Hinges: Concealed spring, button type, to allow for door removal.

**Revise "Latch and Lock" Subparagraph below for other hardware offered by some manufacturers; options include commonly available choices.**

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]] [Prepared for mortise cylinder] [As indicated on Drawings] [As indicated in schedule] <Insert operator>[, with interior release].**

**Insert drawing designation. Use these designations on Drawings to identify each product.**

- C. Flush Access Doors (Model: BNW) with Concealed Flanges for drywall (Non-Rated General Purpose Access Door) **<Insert drawing designation:**
  1. Description: Face of door flush with frame; with concealed flange for **gypsum board** installation and concealed hinge.
  2. Locations: **[Wall] [Ceiling] [Wall and ceiling]** <Insert location or substrate>.
  3. Door Size: <Insert door size>.

**Retain "Steel Sheet" or "Stainless Steel " Subparagraph below.**

4. Steel Sheet:
  - a. Door Material: Nominal **0.062 inch (1.6 mm)** 16 gauge.
    - 1) Optional Material: Nominal **0.075 inch (1.9mm)** 14 gauge
  - b. Frame Material: Nominal **0.062 inch**, 16 gauge. Provide **1/4-inch** mounting holes.
  - c. Finish: Paintable White; powder-coat.

**Revise "Stainless-Steel Sheet" Subparagraph below for other finishes; No. 4 is typical.**

5. Stainless-Steel Sheet:
  - a. Door Material: Nominal **0.063 inch**, 16 gauge.
  - b. Frame Material: Nominal **0.063 inch**, 16 gauge.
  - c. Finish: Type 304, stainless-steel, No. 4 finish.

**Revise "Latch and Lock" Subparagraph below for other hardware offered by some manufacturers; options include commonly available choices.**

6. Latch and Lock: **[Cam latch, screwdriver operated] [Cam latch, key operated] [Cam latch, hex-head wrench operated] [Cam latch, pinned-hex-head wrench operated] [Latch bolt, knurled-knob operated] [Latch bolt, key operated] [Mortise lock] [As**

- indicated on Drawings] [As indicated in schedule] <Insert operator>[, with interior release].
7. Options: [Gasketing] [Louvered door] [Masonry anchors] [Concealed continuous piano hinge].

**Insert drawing designation. Use these designations on Drawings to identify each product.**

- D. Flush Access Doors (Model BNP) with Concealed Flanges for plaster walls (Non-Rated General Purpose Access Door) <Insert drawing designation:
  1. Description: Face of door flush with frame; with concealed flange for plaster installation and concealed hinge.
  2. Locations: [Wall] [Ceiling] [Wall and ceiling] <Insert location or substrate>.
  3. Door Size: <Insert door size>.

**Retain "Cold-Rolled Steel Sheet" or "Galvannealed Steel Sheet" or "Stainless Steel" Subparagraph below.**

4. Cold-Rolled Steel Sheet:
  - a. Door Material: Nominal 0.075 inch 14 gauge.
  - b. Frame Material: Nominal 0.062 inch, 16 gauge. Provide 1/4-inch mounting holes.
  - c. Finish: Paintable White; powder-coat.
5. Galvannealed Steel Sheet:
  - a. Door Material: Nominal 0.079 inch, 14 gauge.
  - b. Frame Material: Nominal 0.064 inch, 16 gauge. Provide 1/4-inch mounting holes.
  - c. Finish: Paintable White; powder-coat.

**Revise "Stainless-Steel Sheet" Subparagraph below for other finishes; No. 4 is typical.**

6. Stainless-Steel Sheet:
  - a. Door Material: Nominal 0.063 inch, 16 gauge.
  - b. Frame Material: Nominal 0.063 inch, 16 gauge.
  - c. Finish: Type 304, stainless-steel, No. 4 finish.

**Revise "Latch and Lock" Subparagraph below for other hardware offered by some manufacturers; options include commonly available choices.**

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] [Latch bolt, knurled-knob operated] [Latch bolt, key operated] [Mortise lock] [As indicated on Drawings] [As indicated in schedule] <Insert operator>[, with interior release].
  8. Options: [Gasketing] [Louvered door] [Masonry anchors] [Concealed continuous piano hinge].
- E. Recessed Access Doors [BRW, wall board surfaces] [BRP, plaster surfaces] [BRA; no flange] with Concealed Flanges
    1. Description: Door face recessed [1/2 inch] [5/8 inch] [1 inch] for [gypsum board] [plaster] <Insert material> infill; with concealed flange and concealed hinge.
    2. Locations: [Wall] [Ceiling] [Wall and ceiling] <Insert location or substrate>.
    3. Door Size: <Insert door size>.

**Retain "Cold-Rolled Steel Sheet," "Galvannealed Steel Sheet," or "Stainless-Steel Sheet" Subparagraph below.**

4. Cold-Rolled Steel Sheet:
  - a. Door Material: Nominal 0.062 inch, 16 gauge.

- b. Frame Material: Nominal 0.062 inch, 16 gauge. Provide 1/4-inch mounting holes.
  - c. Finish: Paintable White; powder-coat.
5. Galvannealed Steel Sheet:
- a. Door Material: Nominal 0.064 inch, 16 gauge.
  - b. Frame Material: Nominal 0.064 inch, 16 gauge. Provide 1/4-inch mounting holes.
  - c. Finish: Paintable White; powder-coat

Revise "Stainless-Steel Sheet" Subparagraph below for other finishes; No. 4 is typical.

6. Stainless-Steel Sheet:
- a. Door Material: Nominal 0.063 inch, 16 gauge, No. 4 finish.
  - b. Frame Material: Nominal 0.063 inch, 16 gauge, No. 4 finish.

Revise "Latch and Lock" Subparagraph below for other hardware offered by some manufacturers; options include commonly available choices.

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] [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].
8. Options: Gasketing. **Insert drawing designation. Use these designations on Drawings to identify each product.**
- F. Flush Access Doors for easier access to in wall HVAC units. (Model: HVAC) with Exposed Flanges (Non-Rated General Purpose Access Door) <Insert drawing [www.nystrom.com](http://www.nystrom.com) designation>.
1. Description: Face of door flush with frame, 1 1/2 inch ( core of Linacoustic insulation. 1 1/4-inch exposed flange and concealed pin hinge
  2. Locations: [Wall] <Insert location or substrate>.
  3. Door Size: <Insert door size>.
  4. Steel Sheet:
    - a. Door Material: Nominal 0.040 inch (1 mm) 20 gauge. Fold on all four sides for structural rigidity.
    - b. Frame Material: Nominal 0.062 inch, 16 gauge. Provide 1/4-inch mounting holes.
    - c. Finish: Paintable White; powder-coat.
  5. Hinges: Concealed pin hinge.

Revise "Latch and Lock" Subparagraph below for other hardware offered by some manufacturers; options include commonly available choices.

6. Latch and Lock: [Cam latch, screwdriver operated] [Cam latch, key operated] [Cam latch, hex-head wrench operated] [Cam latch, pinned-hex-head wrench operated]

Gasketing option is not available with a perforated door or

7. Options: [Gasketing] [Perforated door] [Inner Linear].

G. Lightweight Access Doors (Model BLW) with Exposed Flanges (Non-Rated Renovation Purpose Access Door) <Insert drawing designation>:

1. Description: Face of door flush with exposed flange, with exposed flange and aluminum continuous piano hinge.
2. Locations: [Wall] [Ceiling] [Wall and ceiling] <Insert location or substrate>.

3. Door Size: **<Insert door size>**.
4. Door and Frame Material: 6063-T5 extruded aluminum.
5. Door Insert Material: **0.028 inch**, 24 gauge, prefinished embossed galvanized steel.
6. Frame Material: 6063-T5 extruded aluminum. Provide **1/4-inch** mounting holes.
7. Finish: Clear anodized.
8. Insulation: **3/4-inch-** thick polystyrene with 3.8 R-value at **75 deg F** .
9. Hinges: Aluminum continuous piano hinge.

Revise "Latch and Lock" Subparagraph below for other hardware offered by some manufacturers; options include commonly available choices.

10. Latch and Lock: **[Cam latch, screwdriver operated] [Cam latch, key operated]**.
11. Options: **[Gasketing] [Double-leaf doors][Aluminum panel insert]**.

Insert drawing designation. Use these designations on Drawings to identify each product.

H. Exterior (Model BXT) Flush Access Doors **<Insert drawing designation>**:

1. Description: Weatherproof assembly, with face of door fit flush with frame and with exposed frame. Include extruded door gaskets and nominal **1-3/4 inch** thick closed-cell polyurethane insulation.
2. Locations: **[Wall] [Ceiling] [Wall and ceiling] <Insert location or substrate>**.
3. Door Size: **<Insert door size>**.
4. Door Material: **[Galvanized; 0.0276 inch , 24 gauge, paint grip finish] [Aluminum; nominal 0.040 inch , 18 gauge, mill finish] [Stainless-steel; 0.025 inch , 24 gauge, 2B finish]**.

Mortise locks are not available with the interior release

5. Latch and Lock: Cam latch operated by handle, **[without lock] [with keyed lock in handle] [with separate mortise lock] [with preparation for mortise lock][, with interior release]**.
6. Options: **[Frame drip cap] [Padlock hasp]**.

I. Coastal Exterior (Model BXTL-H) Flush Access Doors **<Insert drawing designation>**:

1. Description: Weatherproof assembly, with face of door fit flush with frame and with exposed frame. Include extruded door gaskets and minimum nominal **1-3/4 inch** thick closed cell polyurethane insulation.
2. Units shall be Florida DBPR approved, meeting TAS 201, TAS 202, and TAS 203 as required by the 2014 Florida Building Code, Paragraph 1710.5 Exterior window and door assemblies, for installation in the HVHZ.
3. Locations: **[Wall] [Ceiling] [Wall and ceiling] <Insert location or substrate>**.

Minimum door size: 18 by 18 inches (457 by 457 mm). Maximum door size: 36 by 48 inches (914 by 457 mm).

4. Door Size: **<Insert door size>**.
5. Door Material: **[Galvanized; 0.0276 inch 24 gauge, paint grip finish] [Stainless-steel; 0.025 inch , 24 gauge, 2B finish]**.
6. Frame Material: **0.080 inch** 6063-T5 extruded aluminum mill finish.
7. Insulation: **1.6 inch-** thick polyurethane; R-11.
8. Gasketing: EPDM, self-adhesive, continuous.
9. Latch and Lock: Cam latch operated by handle, **[without lock] [with keyed lock in handle] [as <Insert operator>[, with interior release]**.
10. Options: Frame drip cap.

J. Drywall **[BRGB, hinged door] [BRGBR, removable door] [BRGT, tile door]** Access Doors **<Insert drawing designation>**:



1. Description: Welded aluminum outer and inner frame with two push latches and a 1/16 inch reveal. With or without drywall inlay for ceilings, drywall and various applications.
2. Drywall Inlay: Door face [1/2-inch ] [5/8-inch ] with [gypsum board] [greenboard] infill.
3. Locations: [Wall] [Ceiling] [Wall and ceiling] <Insert location or substrate>.
4. Door Size: <Insert door size>.
5. Frame and Door Material: 6063-T4 extruded aluminum.
  - a. Finish: Clear anodized.
6. Hinges: Welded Pin.

Revise "Latch and Lock" Subparagraph below for other hardware offered by some manufacturers; options include commonly available choices.

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] [As indicated on Drawings] [As indicated in schedule] <Insert operator>
  8. Options: [Gasketing] [Double-leaf doors]
- K. Glass Fiber Reinforced (Model BGFR) Gypsum Access Doors <Insert drawing designation>:
1. Description: Glass fiber reinforced gypsum door, 5/8 inch deep for ceiling access.
  2. Locations: [Wall] [Ceiling] [Wall and ceiling]
  3. Door Size: <Insert door size>.
  4. Material: Recycled glass and high density gypsum cement plaster.
  5. Finish: Natural white.
  6. Door: [Radius corner drop in] [Square corner drop in] [Round drop in] [Square corner hinged] [Radius corner hinged with cam latch, screwdriver operated] [Radius corner hinged with cam latch, key operated] [Square corner hinged with cam latch, screwdriver operated] [Square corner hinged with cam latch, key operated].
  7. Options: Neoprene gasket.
- L. Medium-Security [BMT, Exposed flange] [BMW, wall board surfaces] [BMP, plaster surfaces] Access Doors <Insert drawing designation>:
1. Description: Face of door flush with frame, with exposed flange and concealed continuous piano hinge.
  2. Locations: [Wall] [Ceiling] [Wall and ceiling] <Insert location or substrate>.
  3. Door Size: <Insert door size>.

Retain "Cold-Rolled Steel Sheet," "Galvannealed Steel Sheet," or "Stainless-Steel Sheet" Subparagraph below.

4. Cold-Rolled Steel Sheet:
  - a. Door Material: Nominal 0.105 inch, 12 gauge.
  - b. Frame Material: Nominal 0.105 inch, 12 gauge. Provide 1/4-inch mounting holes.
  - c. Finish: Paintable White; powder-coat.
5. Galvannealed Steel Sheet:
  - a. Door Material: Nominal 0.108 inch, 12 gauge.
  - b. Frame Material: Nominal 0.108 inch, 12 gauge. Provide 1/4-inch mounting holes.
  - c. Finish: Paintable White; powder-coat.
6. Stainless-Steel Sheet:
  - a. Door Material: Nominal 0.109 inch, 12 gauge
  - b. Frame Material: Nominal 0.109 inch, 12 gauge
  - c. Finish Type 304, stainless-steel; No. 4 finish.



7. Hinges: Concealed continuous piano.

Revise "Latch and Lock" Subparagraph below for other hardware offered by some manufacturers; options include commonly available choices.

8. Latch and Lock: [1-1/8 inch mortise lock] [Knurled knob] [Prepared for mortise cylinder] [Prepared for detention] [Security screws] [As indicated on Drawings] [As indicated in schedule] [keyed cam lock] [hex cam][pinned hex head][screwdriver cam]<Insert operator>[, with interior release].
9. Options: [Gasketing] [Masonry anchors] [No hinge].

M. High-Security (Model BHS) Access Doors <Insert drawing designation>:

1. Description: Face of door flush with frame, with exposed flange and concealed hinge.
2. Locations: [Wall] [Ceiling] [Wall and ceiling] <Insert location or substrate>.
3. Door Size: <Insert door size>.

Retain "Hot-Rolled Steel Sheet" or "Stainless-Steel Sheet" Subparagraph below.

4. Hot Rolled Steel Sheet:
  - a. Door Material: Nominal 0.135 inch, 10 gauge.
  - b. Frame Material: 2 inches by 2 inches by 3/16 inch, steel angle.
  - c. Finish: Paintable white powder-coat.
5. Stainless-Steel Sheet:
  - a. Door Material: Nominal 0.141 inch, 10 gauge.
  - b. Frame Material: 2 inches by 2 inches by 3/16 inch, steel angle.
  - c. Finish Type 304, stainless-steel; No. 4 finish.
6. Hinges: Heavy duty butt.

Revise "Latch and Lock" Subparagraph below for other hardware offered by some manufacturers; options include commonly available choices.

7. Latch and Lock: [1-1/8 inch mortise lock] [Prepared for mortise cylinder] [Prepared for detention] [Security screws] [As indicated on Drawings] [As indicated in schedule] <Insert operator>[, with interior release].
8. Options: Heavy concealed continuous piano hinge.

N. Top-Security (Model BTS) Access Doors <Insert drawing designation>:

1. Description: Face of door flush with frame, with exposed flange and concealed hinge.
2. Locations: [Wall] <Insert location or substrate>.
3. Door Size: <Insert door size>.

Retain "Hot-Rolled Steel Sheet" or "Stainless-Steel Sheet" Subparagraph below.

4. Hot-Rolled Steel Sheet:
  - a. Door Material: Nominal 0.179 inch, 7 gauge, with return.
  - b. Frame Material: 2 inches by 3 inches by 3/16 inch, steel angle.
  - c. Finish: Paintable white powder-coat
5. Stainless-Steel Sheet:
  - a. Door Material: Nominal 0.188 inch, 7 gauge.
  - b. Frame Material: 2 inches by 3 inches by 3/16 inch, steel angle.
  - c. Finish Type 304, stainless-steel; No. 4 finish.
6. Hinges: Surface mount, heavy-duty butt.

Revise "Latch and Lock" Subparagraph below for other hardware offered by some manufacturers; options include commonly available choices.

7. Latch and Lock: [1-1/8 inch mortise lock] [Prepared for mortise cylinder] [Prepared for detention] [Security screws] [As indicated on Drawings] [As indicated in schedule] <Insert operator>[, with interior release].
  8. Options: [Gasketing] [Masonry anchors]
- O. Draft Stop Access Doors for Attic Application [BDT Exposed Flange][BDW Drywall Bead Flange][BDP Plaster Bead flange]<Insert drawing designation>:
1. Description: Face of door flush with frame, with exposed flange and flush continuous piano hinge.
  2. Locations: Wall <Insert location or substrate>.
  3. Door Size: <Insert door size>.

Retain "Cold-Rolled Steel," "Galvannealed Steel," or "Stainless Steel Sheet" Subparagraph below.

4. Cold-Rolled Steel:
  - a. Door Material: Nominal 0.075 inch, 14 gauge.
  - b. Frame Material: Nominal 0.062 inch, 16 gauge. Provide 1/4 inch mounting holes.
  - c. Finish: Paintable, White powder coat.
5. Galvannealed Steel:
  - a. Door Material: Nominal 0.079 inch, 14 gauge.
  - b. Frame Material: Nominal 0.064 inch, 16 gauge. Provide 1/4 inch mounting holes.
  - c. Finish: Paintable, White powder coat.

Revise "Stainless Steel Sheet" Subparagraph below for other finishes; No. 4 is typical.

6. Stainless Steel Sheet:
  - a. Door Material: Nominal 0.063 inch, 16 gauge, No. 4 finish.
  - b. Frame Material: Nominal 0.063 inch, 16 gauge, No. 4 finish.

Revise "Latch and Lock" Subparagraph below for other hardware offered by some manufacturers; options include commonly available choices.

7. Latch and Lock: [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].
8. Options: [Frame drip cap] [Gasketing] [Masonry anchors] [Concealed pin hinge].

## 2.4 FIRE-RATED ACCESS DOORS AND FRAMES

Insert drawing designation. Use these designations on Drawings to identify each product.

- A. Fire-Rated, Flush (Model BIT) Access Doors with Exposed Flanges <Insert drawing designation>:
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 continuous piano hinge.
  2. Locations: [Wall] [Ceiling] [Wall and ceiling] <Insert location or substrate>.
  3. Door Size: <Insert door size>.
  4. Fire-Resistance Rating: [1-1/2 hours for walls] [3 hours for ceilings] [1-1/2 hours for walls and 3 hours for ceilings][1 hour for wood framed assemblies].

Retain "Temperature-Rise Rating" Subparagraph below if required; verify availability with manufacturer.

5. Temperature-Rise Rating: 250 deg F at the end of 30 minutes.

Retain "Cold-Rolled Steel Sheet," "Galvannealed Steel Sheet," or "Stainless-Steel Sheet" Subparagraph below.

6. Cold-Rolled Steel Sheet:
  - a. Door Material: Nominal 0.036 inch, 20 gauge.
  - b. Frame Material: Nominal 0.062 inch, 16 gauge.
  - c. Finish: Paintable white powder-coat;
7. Galvannealed Steel Sheet:
  - a. Door Material: Nominal 0.04 inch, 20 gauge.
  - b. Frame Material: Nominal 0.064 inch, 16 gauge.
  - c. Finish: Paintable white powder-coat

Revise "Stainless-Steel Sheet" Subparagraph below for other finishes; No. 4 is typical.

8. Stainless-Steel Sheet:
  - a. Door Material: Nominal 0.038 inch, 20 gauge, No. 4 finish.
  - b. Frame Material: Nominal 0.063 inch, 16 gauge, No. 4 finish.

Revise "Latch and Lock" Subparagraph below for other hardware offered by some manufacturers; options include commonly available choices. The IBC requires rated doors to be self-closing and self-latching.

9. 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] <Insert operator>, [with interior release].
10. Options: [Gasketing] [Masonry anchors] [Concealed pin hinge].

Insert drawing designation. Use these designations on Drawings to identify each product.

- B. Fire-Rated, Flush [BIW, with drywall flange] [BIP, plaster flange] Access Doors with Concealed Flanges <Insert drawing designation>:
  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. Locations: [Wall] [Ceiling] [Wall and ceiling] <Insert location or substrate>.
  3. Door Size: <Insert door size>.
  4. Fire-Resistance Rating: [1-1/2 hours for walls] [3 hours for ceilings] [1-1/2 hours for walls and 3 hours for ceilings] [1 hour for wood framed assemblies].

Retain "Temperature-Rise Rating" Subparagraph below if required; verify availability with manufacturer.

5. Temperature-Rise Rating: 250 deg F at the end of 30 minutes.

Retain "Cold-Rolled Steel Sheet," "Galvannealed Steel Sheet," or "Stainless-Steel Sheet" Subparagraph below.

6. Cold-Rolled Steel Sheet:
  - a. Door Material: Nominal 0.036 inch, 20 gauge.
  - b. Frame Material: Nominal 0.062 inch, 16 gauge.

- c. Finish: Paintable white, powder-coat.
7. Galvannealed Steel Sheet:
  - a. Door Material: Nominal 0.04 inch, 20 gauge.
  - b. Frame Material: Nominal 0.064 inch, 16 gauge.
  - c. Finish: Paintable white, powder-coat.

Revise "Stainless-Steel Sheet" Subparagraph below for other finishes; No. 4 is typical.

8. Stainless-Steel Sheet:
  - a. Door Material: Nominal 0.038 inch, 20 gauge, No. 4 finish.
  - b. Frame Material: Nominal 0.063 inch, 16 gauge, No. 4 finish.

Revise "Latch and Lock" Subparagraph below for other hardware offered by some manufacturers; options include commonly available choices. The IBC requires rated doors to be self-closing and self-latching.

9. 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] <Insert operator>, [with interior release].
  10. Options: [Gasketing] [Masonry anchors] [Concealed pin hinge][flush continuous piano hinge].
- C. Fire-Rated, Flush, Upward Opening,(Model BIU) Access Doors with Concealed Flanges <Insert drawing designation>:
1. Description: Door face flush with frame, [with a core of mineral-fiber insulation enclosed in sheet metal] [uninsulated]; self-closing door, and concealed hinge.
  2. Locations: [Ceiling] <Insert location or substrate>.
  3. Door Size: <Insert door size>.
  4. Fire-Resistance Rating: 3 hours for ceilings.

Retain "Temperature-Rise Rating" Subparagraph below if required; verify availability with manufacturer.

5. Temperature-Rise Rating: 250 deg F at the end of 30 minutes.

Retain "Cold-Rolled Steel Sheet," "Galvannealed Steel Sheet," or "Stainless-Steel Sheet" Subparagraph below.

6. Cold-Rolled Steel Sheet:
  - a. Door Material: Nominal 0.036 inch, 20 gauge.
  - b. Frame Material: Nominal 0.062 inch, 16 gauge.
  - c. Finish: Paintable white, powder-coat.
7. Galvannealed Steel Sheet:
  - a. Door Material: Nominal 0.04 inch, 20 gauge.
  - b. Frame Material: Nominal 0.064 inch, 16 gauge.
  - c. Finish: Paintable white, powder-coat.

Revise "Stainless-Steel Sheet" Subparagraph below for other finishes; No. 4 is typical.

8. Stainless-Steel Sheet:
  - a. Door Material: Nominal 0.038 inch, 20 gauge, No. 4 finish.
  - b. Frame Material: Nominal 0.063 inch, 16 gauge, No. 4 finish.

Revise "Latch and Lock" Subparagraph below for other hardware offered by some manufacturers; options include commonly available choices. The IBC requires rated doors to be self-closing and self-latching.

9. Latch and Lock: Self-closing, self-latching door hardware, [operated by Allen Key] [operated by T-style handle] [prepared for mortise cylinder] [as indicated on Drawings] [as indicated in schedule] <Insert operator>, [with interior release].
  10. Options: Gasketing.
- D. Fire-Rated Security (Model BST) Access Doors with flush continuous hinge <Insert drawing designation>:
1. Description: Door face flush with frame, with a core of mineral-fiber insulation enclosed in sheet metal; with exposed flange, self-closing door, and flush continuous hinge.
  2. Locations: [Wall] <Insert location or substrate>.
  3. Door Size: <Insert door size>.
  4. Fire-Resistance Rating: 1-1/2 hours for walls.

Retain "Temperature-Rise Rating" Subparagraph below if required; verify availability with manufacturer.

5. Temperature-Rise Rating: 250 deg F at the end of 30 minutes.

Retain "Cold-Rolled Steel Sheet" "Galvannealed Steel Sheet," or "Stainless-Steel Sheet" Subparagraph below.

6. Cold-Rolled Steel Sheet:
  - a. Door Material: Nominal 0.075 inch, 14 gauge.
  - b. Frame Material: Nominal 0.062 inch, 16 gauge.
  - c. Finish: Paintable white, powder coat.
7. Galvannealed Steel Sheet:
  - a. Door Material: Nominal 0.79 inch, 14 gauge.
  - b. Frame Material: Nominal 0.064 inch, 16 gauge.
  - c. Finish: Paintable white, powder-coat.

Revise "Stainless-Steel Sheet" Subparagraph below for other finishes; No. 4 is typical.

8. Stainless-Steel Sheet:
  - a. Door Material: Nominal 0.078 inch, 14 gauge, No. 4 finish.
  - b. Frame Material: Nominal 0.063 inch, 16 gauge, No. 4 finish.

Revise "Latch and Lock" Subparagraph below for other hardware offered by some manufacturers; options include commonly available choices. The IBC requires rated doors to be self-closing and self-latching.

9. 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] <Insert operator>, [with interior release].
  10. Options: [Gasketing] [Masonry anchors] [Concealed pin hinge].
- E. Fire-Rated Security [BSW, drywall bead][BSP, plaster bead] Access Doors with concealed hinge <Insert drawing designation>:
1. 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 pin hinge.
  2. Locations: [Wall] <Insert location or substrate>.
  3. Door Size: <Insert door size>.

4. Fire-Resistance Rating: 1-1/2 hours for walls.

**Retain "Temperature-Rise Rating" Subparagraph below if required; verify availability with manufacturer.**

5. Temperature-Rise Rating: 250 deg F at the end of 30 minutes.

**Retain "Galvannealed Steel Sheet," or "Stainless-Steel Sheet" Subparagraph below.**

6. Galvannealed Steel Sheet:
  - a. Door Material: Nominal 0.79 inch, 14 gauge.
  - b. Frame Material: Nominal 0.064 inch, 16 gauge.
  - c. Finish: Paintable white, powder-coat.

**Revise "Stainless-Steel Sheet" Subparagraph below for other finishes; No. 4 is typical.**

7. Stainless-Steel Sheet:
  - a. Door Material: Nominal 0.078 inch, 14 gauge, No. 4 finish.
  - b. Frame Material: Nominal 0.063 inch, 16 gauge, No. 4 finish.

**Revise "Latch and Lock" Subparagraph below for other hardware offered by some manufacturers; options include commonly available choices. The IBC requires rated doors to be self-closing and self-latching.**

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] <Insert operator>, with interior release.
9. Options: [Gasketing] [Masonry anchors].

## PART 3 - EXECUTION

### 3.1 EXAMINATION

- A. Examine substrates for compliance with requirements for installation tolerances and other conditions affecting performance of the Work.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

### 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.

**Insert Access Door and Frame Schedule here if required.**

END OF SECTION

