**3-Part CSI MasterFormat Specification**

**SECTION 08 3123**

**Floor DOORs AND FRAMES**

Rev 11/22

1. GENERAL
   * + 1. SUMMARY
          1. Section includes:

Floor Doors for access between building floors as indicated on drawings and specified herein

* + - 1. references
         1. Aluminum Diamond Tread Plate: ASTM B632-02, 1/4 inch 6061-T6 aluminum with mill finish.
         2. Aluminum Extrusion: 6061-T6 aluminum.
         3. Steel Diamond Tread Plate: ASTM A786.
         4. Steel Angle: ASTM A36-94 steel frame, structural.
         5. Stainless Steel Diamond Tread Plate: ASTM A793 stainless steel, No. 304 finish.
         6. Stainless Steel Angle: ASTM A276 stainless steel, No. 304 finish.
         7. Stainless Steel Smooth Plate: ASTM A240 smooth plate stainless steel, type No. 316.
         8. Fasteners: Type No. 316 stainless steel. ASTM F593 for bolts and ASTM F594 for nuts.
         9. General: Comply with NAAMM's "Metal Finishes Manual for Architectural and Metal Products" for recommendations for applying and designating finishes.
      2. Action SUBMITTALS
         1. Shop Drawings: Indicate configuration and dimensions, show components, adjacent construction, required clearances and tolerance and other affected work.
         2. Product Data: Manufacturer’s technical data for each type of floor door, including setting drawings and finish requirements
      3. informational submittals
         1. Provide manufacturer's standard warranty.
         2. Sustainable Design Submittals:

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:

Material Ingredients Documentation demonstrating the chemical inventory of the product

* + - 1. Closeout submittals
         1. Manufacturer's Installation Instructions and Operation & Maintenance: Indicate installation, operation and maintenance requirements and rough-in dimensions.
      2. Quality Assurance
         1. Qualifications:

Manufacturer/Installer: Company specializing in manufacturing and installation of components specified in this Section with minimum of 5 years documented experience.

* + - * 1. Regulatory Requirements:

International Building Code for fire resistance rated construction

IBC Section 712 for Floor Fire Doors- tested in accordance with NFPA 288 and labeled by approved agency; Warnock Hersey or Underwriters Laboratory.

1. PRODUCTS
   * + 1. MANUFACTURER
          1. Babcock-Davis

9300 73rd Ave N

Brooklyn Park, MN 55428

PH: 888-412-3726

www.Babcock-Davis.com

* + - 1. ALUMINUM FLOOR DOORS
         1. One Inch Pan Cover Aluminum Floor Door: For field installation of architectural flooring material. Model BFDPPA

For dry, interior installation only. Not intended for wet or exterior environments.

Clear Unobstructed Opening Size: <**Insert dimensions**>.

Frame: 1/4-inch (6.4-mm) structural aluminum frame, mill finish; **[Frame with holes for bolt-in] [frame with integral masonry anchors for cast-in-place].**

Door: Singleleaf; 1/4-inch-thick (6.4-mm-thick), aluminum smooth plate with extruded edging to obtain 1 inch (25 mm) deep recess for flooring infill.

Loading Capacity: 300-lbf/sq. ft. (14.4-kN/sq. m) pedestrian live load and a maximum deflection of L/150.

Gasketing: Closed cell neoprene.

Hardware:

Hinges: Nickel-plated concealed hinge.

Springs: Gas spring.

Hold Open Arm: Gas spring holds cover in open position

Latch: Type 316 stainless-steel slam latch with inside lever handle and outside removable 5/16-inch- (7.9-mm-) square L handle and 316 stainless steel threaded plug.

Optional Lock: **[Keyed deadbolt lock] [Keyed deadbolt lock with threaded protection plug] [Hasp and staple] <Insert lock type>.**

Safety Accessories: Safety **[chains] [net] [railing] [telescoping safety post] <Insert safety device>**

1. EXECUTION
   * + 1. EXAMINATION
          1. Verify that preparation and affected dimensions are acceptable.
          2. Verify tolerances and correct improper conditions.
       2. PREPARATION
          1. Advise installers of details relating to floor hatch installation, including rough opening dimensions, locations of supports, and anchoring methods.
       3. INSTALLATION
          1. Follow manufacturer’s instructions for installing floor doors and hatches.
          2. Install frames plumb and level in opening, in proper alignment with floor surface for flush installation. Secure rigidly in place.
          3. Position units to provide convenient access to concealed Work requiring access.
       4. ADJUSTING
          1. Operational Units: Test-operate units with operable components.
          2. Clean and lubricate joints and hardware.
          3. Adjust for proper operation.
       5. CLEANing
          1. Clean adjacent surfaces and remove unused product and debris from site.
          2. Adjust doors for smooth operation.

END OF SECTION