

**SECTION 08 31 00**  
**ACCESS DOORS and FRAMES**

**PART 1 GENERAL**

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of Contract, including General and Supplementary Conditions and Division 1 specification sections, apply to work in this section.

1.2 SECTION INCLUDES

- A. Access doors and frames at wall, ceiling, and floor locations.

1.3 QUALITY ASSURANCE

- A. Perform work in accordance with UL Design requirements.

1.4 SUBMITTALS

- A. Product Data: Provide data on unit construction, size, configuration, scheduled locations, and attachment method.
- B. Manufacturer's installation instructions: Indicate any special installation criteria requiring an interface with adjacent components.
- C. Contractor shall provide information so the Architect can record actual location of all access units on as-built drawings.

1.5 REFERENCES

- A. UL-Fire Resistance Directory
- B. Warnock Hersey-Certification Listings
- C. FBC - Florida Building Code

1.6 REGULATORY REQUIREMENTS

- A. Conform to applicable Code for UL and FM requirements for fire rated access doors.

**PART 2 PRODUCTS**

2.1 ACCESS DOORS / HATCHES

- A. Walls/Ceilings - Non-Fire Rated Door and Frame Unit: Formed steel, prime painted.
- B. Walls/Ceilings - Fire Rated Door and Frame Unit: Formed steel, prime painted with rated label.
- C. Floors, Non-Fire and Fire Rated Hatch and Frame Unit: Aluminum or Stainless Steel, fire-rating label as required.

2.2 FABRICATION WALL / CEILING UNITS

- A. Fabricate frames and flanges of 16-gauge steel.
- B. Fabricate door panels of 14-gauge single thickness steel sheet or double sheet with integral non-combustible insulation filler.
- C. Weld, fill, and grind joints to assure flush and square unit.
- D. Hardware:
  - 1. Hinge shall be 175° steel piano hinge with removable pin.
  - 2. Lock shall have screwdriver slot for quarter turn cam-lock.

2.3 FABRICATION FLOOR UNITS

- A. Fabricate frames and flanges of ¼" aluminum.
- B. Fabricate door panels of ¼" aluminum single thickness sheet or double sheet with integral non-combustible insulation filler.
- C. Weld, fill, and grind joints to assure flush and square unit.
- D. Hardware:
  - 1. Hinge shall be 175° stainless steel piano hinge with removable pin.

The School District of Palm Beach County

Project Name

SDPBC Project No.

2. Lock shall have screwdriver slot for quarter turn cam-lock.

#### 2.4 FINISHES

- A. Steel protection shall be galvanized, hot dipped finish, prime coat units with alkyd primer.
- B. Steel finish shall be two coats, baked enamel, and color as selected by the Architect.
- C. Aluminum finish shall be factory mil finish.

### **PART 3 EXECUTION**

#### 3.1 INSTALLATION

- A. Install in accordance with manufacturer's instructions.
- B. Coordinate with work of other trades.
- C. Verify sizes of openings prior to installation.
- D. Install frames plumb and level in opening, and secure rigidly in place.
- E. Position the door to provide convenient access to the concealed work-requiring access.
- F. Provide minimum clear access opening of 24" X 24" with 180° swing on the door to access mechanical devices, see plans for required size.

#### 3.2 PROTECTION OF FINISHED WORK

- A. Protect adjacent surfaces from damage by material installation.
- B. Protect installation during construction activities.
- C. Adjust unit for a smooth operation.

END OF SECTION