**SECTION 08 31 00**

**ACCESS DOORS and FRAMES**

**PART 1 GENERAL**

1. RELATED DOCUMENTS
   1. Drawings and general provisions of Contract, including General and Supplementary Conditions and Division 1 specification sections, apply to work in this section.
2. SECTION INCLUDES
   1. Access doors and frames at wall, ceiling, and floor locations.
3. QUALITY ASSURANCE
   1. Perform work in accordance with UL Design requirements.
4. SUBMITTALS
   1. Product Data: Provide data on unit construction, size, configuration, scheduled locations, and attachment method.
   2. Manufacturer’s installation instructions: Indicate any special installation criteria requiring an interface with adjacent components.
   3. Contractor shall provide information so the Architect can record actual location of all access units on as-built drawings.
5. REFERENCES
   1. UL-Fire Resistance Directory
   2. Warnock Hersey-Certification Listings
   3. FBC - Florida Building Code
6. REGULATORY REQUIREMENTS
   1. Conform to applicable Code for UL and FM requirements for fire rated access doors.

**PART 2 PRODUCTS**

1. ACCESS DOORS / HATCHES
   1. Walls/Ceilings - Non-Fire Rated Door and Frame Unit: Formed steel, prime painted.
   2. Walls/Ceilings - Fire Rated Door and Frame Unit: Formed steel, prime painted with rated label.
   3. Floors, Non-Fire and Fire Rated Hatch and Frame Unit: Aluminum or Stainless Steel, fire-rating label as required.
2. FABRICATION WALL / CEILING UNITS
   1. Fabricate frames and flanges of 16-gauge steel.
   2. Fabricate door panels of 14-gauge single thickness steel sheet or double sheet with integral non-combustible insulation filler.
   3. Weld, fill, and grind joints to assure flush and square unit.
   4. Hardware:
      1. Hinge shall be 175° steel piano hinge with removable pin.
      2. Lock shall have screwdriver slot for quarter turn cam-lock.
3. FABRICATION FLOOR UNITS
   1. Fabricate frames and flanges of ¼” aluminum.
   2. Fabricate door panels of ¼” aluminum single thickness sheet or double sheet with integral non-combustible insulation filler.
   3. Weld, fill, and grind joints to assure flush and square unit.
   4. Hardware:
      1. Hinge shall be 175° stainless steel piano hinge with removable pin.
      2. Lock shall have screwdriver slot for quarter turn cam-lock.
4. FINISHES
   1. Steel protection shall be galvanized, hot dipped finish, prime coat units with alkyd primer.
   2. Steel finish shall be two coats, baked enamel, and color as selected by the Architect.
   3. Aluminum finish shall be factory mil finish.

**PART 3 EXECUTION**

1. INSTALLATION
   1. Install in accordance with manufacturer’s instructions.
   2. Coordinate with work of other trades.
   3. Verify sizes of openings prior to installation.
   4. Install frames plumb and level in opening, and secure rigidly in place.
   5. Position the door to provide convenient access to the concealed work-requiring access.
   6. Provide minimum clear access opening of 24” X 24” with 180° swing on the door to access mechanical devices, see plans for required size.
2. PROTECTION OF FINISHED WORK
   1. Protect adjacent surfaces from damage by material installation.
   2. Protect installation during construction activities.
   3. Adjust unit for a smooth operation.

END OF SECTION