SECTION 08.31.00
ACCESS DOORS AND PANELS

PART 1 GENERAL

1.01 SECTION INCLUDES
   A. Wall access door and frame units.
   B. Ceiling access door and frame units.

1.02 RELATED REQUIREMENTS
   A. Section 08.71.00 - Door Hardware: Mortise cylinder and core hardware.
   B. Section 09.91.13 - EXTERIOR PAINTING: Field paint finish.
   C. Section 09.91.23 - Interior Painting: Field paint finish.

1.03 REFERENCE STANDARDS

1.04 SUBMITTALS
   A. See Section 01.30.00 - Administrative Requirements, for submittal procedures.
   B. Product Data: Provide sizes, types, finishes, hardware, scheduled locations, and details of adjoining work.
   C. Shop Drawings: Indicate exact position of all access door units.
   D. Manufacturer's Installation Instructions: Indicate installation requirements.
   E. Project Record Documents: Record actual locations of all access units.

PART 2 PRODUCTS

2.01 ACCESS DOOR AND PANEL APPLICATIONS
   A. Walls, Unless Otherwise Indicated:
      1. Material: Steel.
      2. Size: 12 by 12 inch, unless otherwise indicated.
      4. Tool-operated spring or cam lock; no handle.
      5. In Gypsum Board: Drywall bead frame with door surface flush with wall surface.
   B. Walls in Wet Areas:
      1. Material: Steel, hot-dipped zinc or zinc-aluminum-alloy coated.
      2. Size: 12 by 12 inch, unless otherwise indicated.
      4. Tool-operated spring or cam lock; no handle.
      5. In Gypsum Board: Drywall bead frame with door surface flush with wall surface.
      6. In Masonry: Surface mounted frame with door surface flush with frame surface.
   C. Fire Rated Walls: See drawings for wall fire ratings.
      1. Material: Steel.
      2. Size: 12 by 12 inch, unless otherwise indicated.
      3. Insulated, double skin door panel.
4. Tool-operated spring or cam lock; no handle.

D. Ceilings, Unless Otherwise Indicated: Same type as for walls.
   1. Material: Steel.
   2. Size in Lay-in Grid Ceilings: To match grid module.
   3. Size in Other Ceilings: 12 by 12 inch, unless otherwise indicated.
   4. Standard duty, hinged door.
   5. Tool-operated spring or cam lock; no handle.

2.02 WALL AND CEILING UNITS

A. Manufacturers:
      a. Units in Walls, Unless Otherwise Indicated: ACUDOR ADWT.
      b. Units in Fire-Rated Walls Rated 2 Hours and Less: ACUDOR FW-5015.
      c. Units in Ceilings: ACUDOR GFRG - R.
      d. Units in Walls and Ceilings: ACUDOR DW-5058.

B. Access Doors: Factory fabricated door and frame units, fully assembled units with corner joints welded, filled, and ground flush; square and without rack or warp; coordinate requirements with assemblies that units are to be installed in.
   1. Style: Exposed frame with door surface flush with frame surface.
      a. In Gypsum Board: Use drywall bead type frame.
   2. Door Style: Double-skinned hollow panel.
   3. Heavy Duty Frames: 14 gage, 0.0747 inch, minimum.
   4. Double-Skinned Hollow Steel Door Panels: 16 gage, 0.059 inch, minimum, on both sides and each edge.
   5. Door Panels to Receive Wall/Ceiling Finish: Surface recessed 5/8 inch back from wall face.
   6. Insulation: Non-combustible mineral or glass fiber.
   7. Units in Fire Rated Assemblies: Fire rating as required by applicable code for the fire rated assembly that access doors are being installed.
      a. Provide products listed by ITS (DIR) or UL (FRD) as suitable for the purpose indicated.
      b. Provide certificate of compliance from authority having jurisdiction indicating approval of fire rated doors.
   9. Primed and Factory Finish: Polyester powder coat; color as selected by Architect from manufacturer's standard colors.
   10. Hardware:
      a. Hardware for Fire Rated Units: As required for listing.
      b. Hinges for Non-Fire-Rated Units: Concealed, constant force closure spring type.
      c. Latch/Lock: Tamperproof tool-operated cam latch.
      d. Inside Latch Release: Mechanism that allows the panel to be opened from the inside.
      e. Gasketing: Extruded neoprene, around the perimeter of the door panel.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify that rough openings are correctly sized and located.

3.02 INSTALLATION

A. Install units in accordance with manufacturer's instructions.
B. Install frames plumb and level in openings. Secure rigidly in place.
C. Position units to provide convenient access to the concealed work requiring access.

END OF SECTION