

---

SECTION 08 31 00

ACCESS DOORS AND PANELS

---

**PART 1 - GENERAL**

1.1 SUMMARY

- A. Section Includes: Provide access doors set in finished surfaces.
  - 1. Provide access doors and panels as required for access to controls and valves behind finished surfaces.
  - 2. Coordinate with various trades for controls and valves which may be concealed.

1.2 SUBMITTALS

- A. Product Data: Furnish manufacturer's literature.
- B. Shop Drawings: Indicate locations of access doors required but not indicated on Architectural Drawings.

**PART 2 - PRODUCTS**

2.1 SYSTEMS MANUFACTURERS

- A. Nystrom Building Products.
- B. J.L. Industries.
- C. Karp Associates, Inc.
- D. Milcor, Inc.
- E. Substitutions: Refer to Section 01 25 00.

2.2 MATERIALS

- A. System Description: Provide access doors and panels set in finished surfaces.
- B. Regulatory Requirements: Where doors and panels are located in fire rated assemblies provide assemblies listed in Underwriters Laboratories, Inc. "Classified Building Materials Index" for rating shown.
  - 1. Provide UL label on each rated access door.
  - 2. Materials tested, labeled and inspected by Warnock Hersey International are acceptable upon approval of authorities.
- C. Access Doors and Panels: Provide access door and panel assemblies consisting of an integral unit with flush metal doors and panels, complete and ready for installation.
  - 1. Non-Fire Rated Units: Flush panel access doors; provide type with frame flange concealed in finished construction.
  - 2. Fire Rated Units: Manufacturer's standard UL rated insulated flush doors with 1" flanged frame and self-closing mechanism.

- D. Frames: Fabricate from not less than 16-gage steel.
- E. Doors: Flush panel type, fabricate from not less than 14-gage steel.
- F. Hinges: Provide continuous piano type hinge.
- G. Locking Devices: Provide flush, key-operated cylinder lock for each access door; provide two keys per lock and key locks alike, unless otherwise scheduled.
- H. Finish: Finish with manufacturer's factory-applied enamel prime coat applied over phosphate coating on steel.

## **2.3 FABRICATION**

- A. Size Variations: Obtain Architect's acceptance of manufacturer's standard size units which may vary slightly from sizes shown or scheduled.
- B. Fabricate units of continuous welded steel construction; grind welds smooth and flush with adjacent surfaces.
- C. Provide attachment devices and fasteners of type required for specific job conditions.

## **PART 3 - EXECUTION**

### **3.1 EXAMINATION**

- A. Examine areas and conditions under which access doors are to be installed.
  - 1. Do not proceed with work until unsatisfactory conditions are corrected; installation signifies acceptance of conditions.
- B. Obtain specific locations and sizes for required access doors from trades requiring access to concealed equipment; coordinate installation with work of other trades.

### **3.2 INSTALLATION**

- A. Comply with manufacturer's installation instructions for access doors.
  - 1. Install fire rated access doors in accordance applicable code requirements and with requirements of NFPA 80.
- B. Set frames accurately in position and securely attach to supports with face panels plumb or level in relation to adjacent finish surfaces.
- C. Adjust hardware and doors after installation for proper operation.

### **3.3 PROTECTION**

- A. Remove and replace doors and frames that are warped, bowed, or otherwise damaged.

## **END OF SECTION**