

**SECTION 08 31 13
ACCESS DOORS AND FRAMES**

PART 1 - GENERAL

1.1 DESCRIPTION:

Section specifies access doors.

1.2 RELATED WORK:

A. Prefinished wall covering: Section 10 26 00, WALL AND DOOR PROTECTION.

1.3 SUBMITTALS:

A. Submit in accordance with Section 01 33 23, SHOP DRAWINGS, PRODUCT DATA, AND SAMPLES.

B. Shop Drawings: Access doors, each type, showing construction, location and installation details.

C. Manufacturer's Literature and Data: Access doors, each type.

1.4 APPLICABLE PUBLICATIONS

A. Publications listed below form a part of this specification to extent referenced. Publications are referenced in the text by basic designation only.

B. American Society for Testing and Materials (ASTM):
A167-99(R-2009).....Stainless and Heat-Resisting Chromium-Nickel
Steel Plate, Sheet and Strip
A1008-10.....Steel Sheet, Cold-Rolled, Carbon, Structural,
High Strength Low-Alloy

C. American Welding Society (AWS):
D1.3-08.....Structural Welding Code Sheet Steel

D. The National Association of Architectural Metal Manufacturers (NAAMM):
AMP 500 Series.....Metal Finishes Manual

E. Underwriters Laboratories, Inc. (UL):
Fire Resistance Directory

PART 2 - PRODUCTS

2.1 FABRICATION, GENERAL

A. Fabricate components to be straight, square, flat and in same plane where required.

1. Slightly round exposed edges and without burrs, snags and sharp edges.
2. Exposed welds continuous and ground smooth.
3. Weld in accordance with AWS D1.3.

- A. Number of locks and non-continuous hinges as required to maintain alignment of panel with frame.

2.2 ACCESS DOOR, RECESSED PANEL:

A. Door Panel:

- 1. Form of 1.2 mm (0.0478 inch) thick steel sheet to form a 25 mm (one inch) deep recessed pan to accommodate the installation of prefinished wall panels where shown in walls.
- 2. Reinforce as required to prevent sagging.

B. Frame:

- 1. Form of 1.5 mm (0.0598 inch) thick steel sheet of depth and configuration to suit installation in wall framing.
- 2. Extend sides of frame to protect edge of wall finishes when panel is in open position.
- 3. Provide shims, bushings, clips and other devices necessary for installation.

C. Hinge: Continuous steel hinge with stainless steel pin or concealed hinge.

D. Lock:

- 1. Flush screwdriver operated cam lock.
- 2. Provide sleeve of plastic or stainless steel grommet to protect hole made in acoustical unit for screwdriver access to lock.

2.3 FINISH:

- A. Provide in accordance with NAAMM AMP 500 series on exposed surfaces.
- B. Steel Surfaces: Baked-on prime coat over a protective phosphate coating.

2.4 SIZE:

Verify size shown on the drawings with Resident Engineer/COTR.

PART 3 - EXECUTION**3.1 LOCATION:**

- A. Provide access panels wherever any valves, traps, dampers, cleanouts, and other control items of mechanical or electrical work are concealed in walls. Verify locations with Resident Engineer/COTR.

3.2 INSTALLATION, GENERAL:

- A. Install access doors in openings to have sides vertical in wall installations.
- B. Set recessed panel access doors recessed so that face of surrounding materials will finish on the same plane, when finish in door is installed.

3.3 ANCHORAGE:

- A. Secure frames to adjacent new or existing construction using anchors attached to frames or by use of bolts or screws through the frame members.
- B. Type, size and number of anchoring device suitable for the material surrounding the opening, maintain alignment, and resist displacement during normal use of access door.

3.4 ADJUSTMENT:

- A. Adjust hardware so that door panel will open freely.
- B. Adjust door when closed so door panel is centered in the frame.

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