

08110S01 – Steel Doors and Frames

1.0 Manufacturers

- A. Available Manufacturers: Subject to compliance with requirements, Manufacturers offering products that may be incorporated in the work include, but are not limited to, the following:
1. Amweld Building Products, Inc.
 2. Benchmark Commercial Doors.
 3. Ceco Door Products.
 4. Fenestra Corp.
 5. Kentucky Products Inc., Corbin, Kentucky.
 6. Steelcraft.

2.0 Doors

- A. All steel doors shall be 1-3/4-inch thick and of material per ANSI/SDI 100.
1. Interior Doors shall be Grade II, Heavy-duty, full flush design, minimum 0.0478-inch thick cold-rolled steel sheet faces.
 2. Exterior doors shall be same as interior doors, and fully galvanized.

3.0 Frames

- A. All metal frames for doors, transoms, sidelights, borrowed lights, and other framed openings shall be supplied according to ANSI/SDI 100. All frames shall have concealed fasteners. Fabricate frames of minimum 16 gauge cold-rolled steel.
1. Fabricate all frames with mitered corners, continuously welded construction. "Knock-down" frames are not permitted except in applications to preserve wall finish such as glazed block. The Medical Center Facilities Planning and Construction office must approve the location for the "knock-down" frames.
 2. Frames for interior openings over 48 inches wide shall be 14 gauge steel.
- B. All single doorframes shall have 3 door silences except frames with weather stripping. Double doorframes shall have two door silences on the head of the frame.
- C. All hollow metal frames shall be slushed full of grout.
- D. Exterior frames and frames in high moisture areas shall be fully galvanized.
- E. Except for frames located in existing concrete, masonry, or gypsum board assembly construction, place frames before constructing enclosing walls and ceilings.
- F. In new masonry construction, install at least 3 wall anchors per jamb, adjacent to hinge location on hinge jamb and at corresponding heights on strike jamb. Acceptable anchors include masonry wire anchors and masonry T-shaped anchors.
- G. In metal stud partitions, install at least 3 wall anchors per jamb at hinge and strike levels.
- H. Install fire-rated frames according to NFPA 80.

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4.0 Door Installation: Fit Hollow-metal doors accurately in frames, within Clearances specified in ANSI/SDI 100.

A. Fire-Rated Doors: Install with clearances specified in NFPA 80.

B. Smoke control doors: Comply with NFPA 105.