



DRYWALL FIRE DOOR FRAMES

Materials

Cold-Rolled steel frames shall comply with ASTM A366 cold-rolled carbon steel sheet.

Galvanized frames shall comply with ASTM A924 general requirements for steel sheet metallic coated by hot dip process and ASTM A653 specifications for steel sheet, zinc coated (Galvanized) or zinc-iron alloy-coated (Galvannealed) by the hot-dip process. The coating weight shall be a minimum of 0.4 oz of zinc per square foot (A40) and shall be chemically treated to insure paint adhesion.

All parts, reinforcements, and components shall be made of steel unless otherwise indicated.

Design and Construction

All finished frames shall be rigid and neat in appearance, square, true and free of defects, warp or buckle. Formed members shall be clean cut, straight and of uniform profile throughout their lengths.

Frame members shall be stamped in the flat to a predetermined pattern, designed to provide mitered faces and butted stops.

Frames shall be provided with welded in steel anchors which are to be screw adjusted after the frame is installed.

Frames shall be reinforced at the miter joints with 18 gage gusset reinforcings to maintain proper alignment.

Frame stop heights shall 5/8".

Frame faces are 2" as standard.

Frame returns shall be 1/2" as standard.

Each jamb shall be supplied with welded in sill anchors to help secure the frame to the wall.

Frames over 7'-0" shall have welded-in steel stiffeners on both jambs near the lock height to help maintain a tight grip on the wall.

Frame Finish

Frames shall be chemically treated to insure paint adhesion.

Frames shall be coated on all exposed surfaces with a rust inhibitive primer which will be baked on.

Hardware

Frames shall be mortised, reinforced, drilled and tapped at the factory for fully templated hardware only. Where surface-mounted hardware is to be applied, frames shall have reinforcing plates only. All drilling and tapping shall be a field operation by installation personnel.

Minimum gages for hardware shall be in accordance with ANSI/SDI A250.6- 2003.

Hinge reinforcements 10 Gage

Strike reinforcements 14 Gage



Reinforcements for surface mounted closers 14 Gage

Reinforcements for surface mounted hardware 14 Gage

Strike jambs shall be mortised and reinforced to receive an ANSI/DHI A115.1 (4-7/8" Universal) strike.

Strike reinforcements will be covered with a welded-in steel plaster guard.

Strike jambs shall be prepared to receive three (3) rubber mutes. (Supplied by others.)

Hinge jambs shall be mortised and reinforced to receive 1-1/2 pairs of 4-1/2" x 4-1/2" template hinges. (2 pair on frames over 7'6" in height).

Hinge reinforcements shall be covered with a welded-in steel mortar guard.

Double headers shall be prepared to receive two (2) rubber mutes. (Supplied by others.)

STANDARD FRAME SIZES

SINGLE FRAME WIDTHS	2'0" through 4'0"
DOUBLE FRAME WIDTHS	4'0" through 8'0"
FRAME HEIGHTS	6'8", 7'0", 8'0"