

20-Minute Fire-Rated Frame

Installation Instructions



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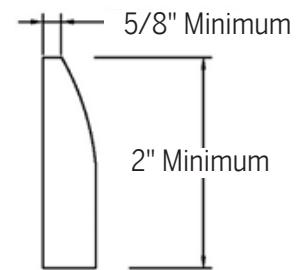
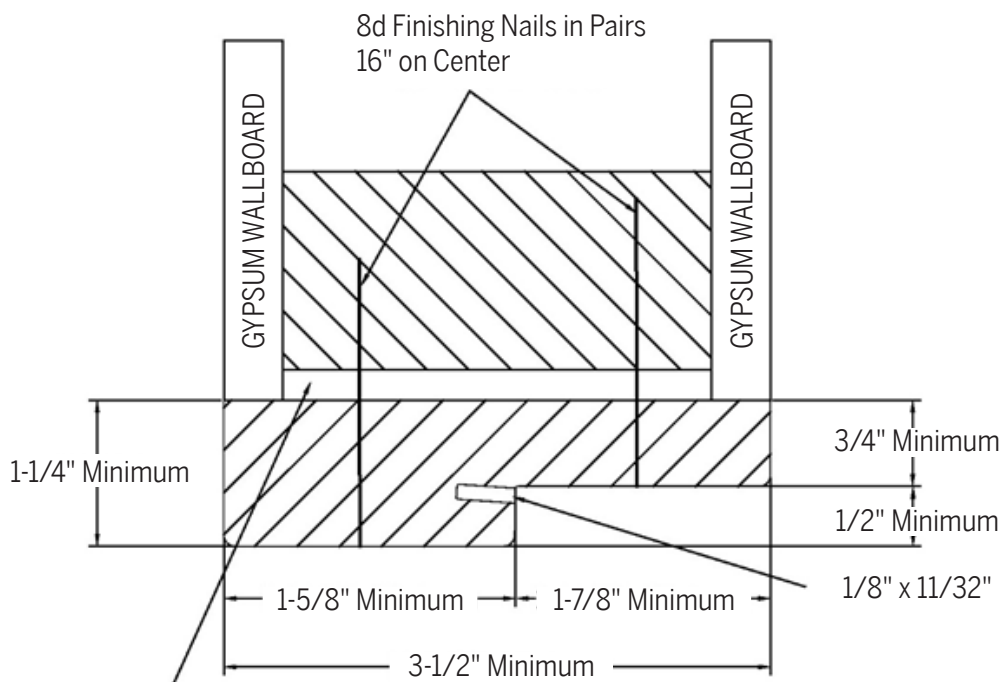
NOTES:

- **Door Unit Maximum Sizes Allowed:**
 - Single Door = 4'0" Wide x 9'0" High
 - Double Door = 8'0" Wide x 9'0" High
- **Hinges:**
 - Hinges must comply with NFPA 80

STEP 1: FASTEN FRAME AND CASING (AT JAMBS AND HEADER) TO ROUGH OPENING



Note the requirements on gap size between the back of jamb and header, and face of rough opening stud. Note requirements on nail size, location and quantity.



Casing/Trim/Brickmould:

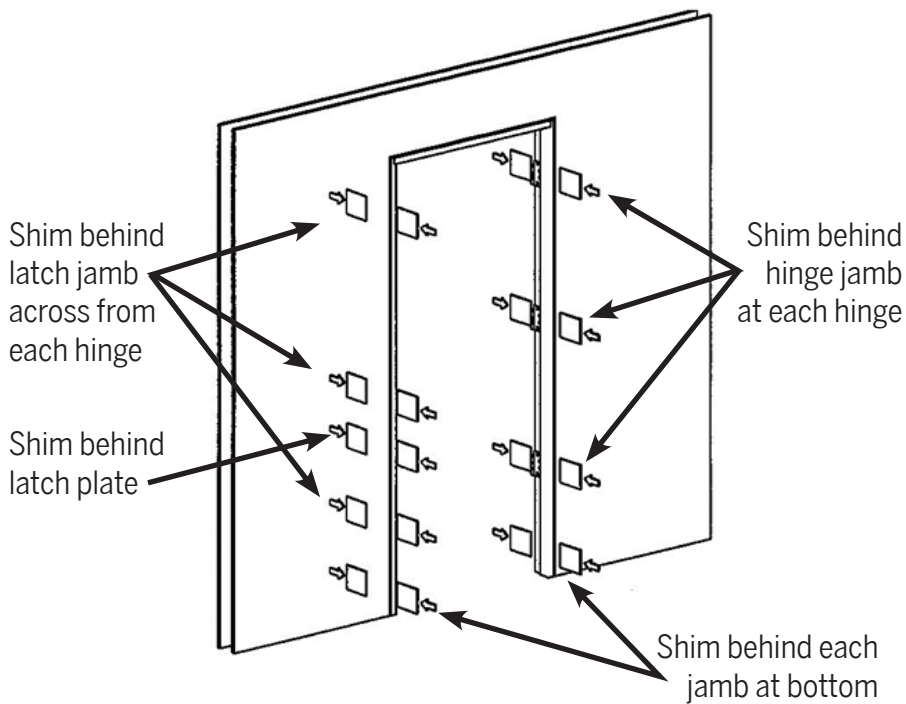
- Attach with 6d Finishing Nails
- 16" On Center
- Required on interior and exterior sides of unit
- Pine (Solid or finger-jointed) or other wood of equal or greater density allowed.

Clearance:

- Maximum gap of 1/4" without fiberglass insulation
- Maximum gap of 1/2" with fiberglass insulation (gypsum to gypsum with no voids)

NOTE: Applies to both jambs and header.

STEP 2: PLACE SHIMS



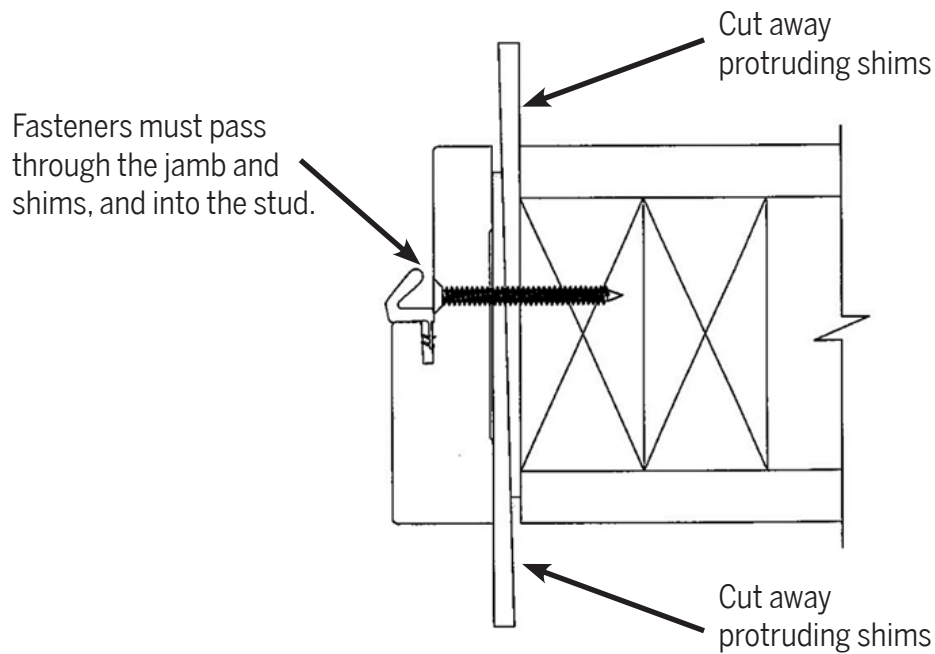
Hinge Screws – At each hinge use the following fasteners:

- (2) # 8 x 1-1/4" wood screws – place in holes closest to edge of jamb
- (2) # 12 x 2-1/2" wood screws – place in holes closest to center of jamb

Latch Plate Screws – Use the following fasteners:

- (2) # 8 x 2-1/2" wood screws

STEP 3: SECURE SHIMS



ADDITIONAL NOTES:

- Trimming for height may be done on the panel bottom rail only (per NFPA 80, maximum trim of 3/4"/19.0 mm allowed on site).
- Trimming for height is not allowed for Steel Doors.
- Surface mounted hardware must be attached with through bolts unless interior blocking is provided.
- A maximum 1/8" (3.2mm) clearance between the frame and door is allowed.
- A maximum 1/8" (3.2mm) clearance between the top leaf and the bottom leaf of dutch door, or transom and door, or between leaves of pairs, is allowed.