



Flush Series Doors



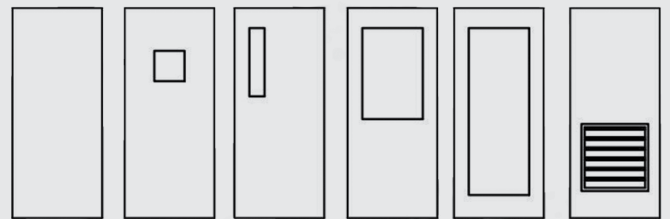
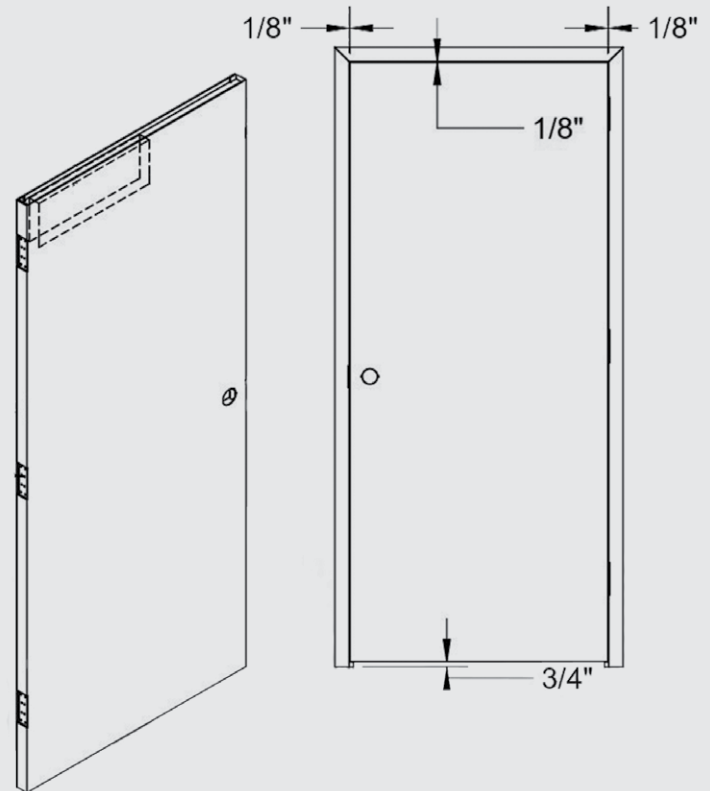
Standard Features

Hollow Metal Doors

- > UL 3 Hours Fire Label
- > Positive Pressure & "S" Smoke Label
- > G40 Galvanized
- > 1-3/4" Reversible or handed
- > 7 Gauge Hinge Reinforcement
- > 12 Gauge Door Closer Reinforcement
- > 18 Gauge Lock Reinforcement
- > 16 Gauge Inverted Top Channel
- > 16 Gauge Inverted Bottom Channel
- > Reversible Hinge Shim with Dust Cover

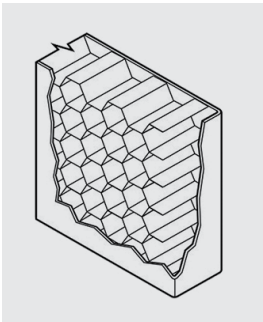
Hollow Metal Frames

- > Masonry Frames - UL 3 Hours Fire Label
- > Drywall Frames - UL 3 Hours Fire Label
- > Positive Pressure & "S" Smoke Label
- > G40 Galvanized
- > 9/32" Silencer Prep
- > Unequal Rabbet with 2" Face
- > 4-7/8" Universal Strike Prep
- > 7 Gauge Hinge Reinforcement
- > 18 Gauge Strike Reinforcement
- > 5/8" Stop with 7/16" Return on Masonry Frames
- > 5/8" Stop with 1/2" Double Return on Drywall Frames
- > Floor Anchor Included on Masonry Frame
- > Compression and Sill Anchors Included on Drywall Frame

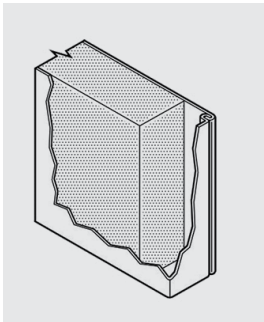


Standard Features

Core

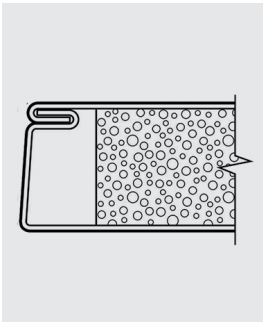


Honeycomb

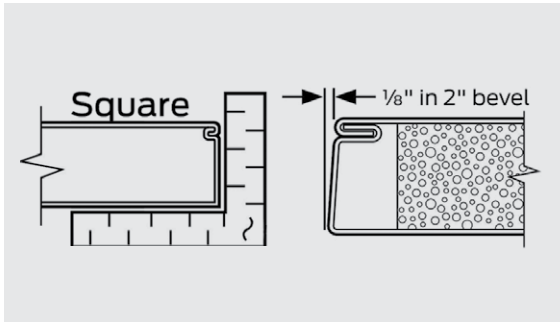


Polystyrene

Lock Edge

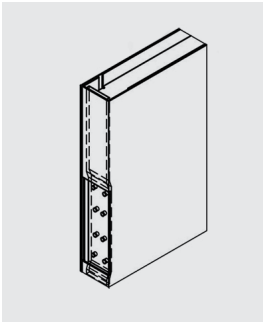


Lock Seam Edge

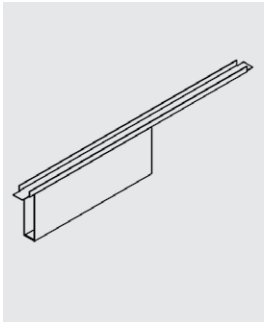


Square Edge

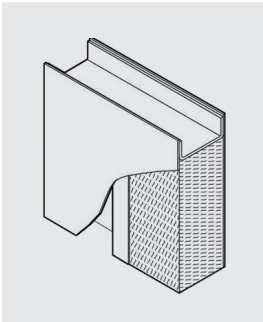
Beveled Edge



Hinge Prep

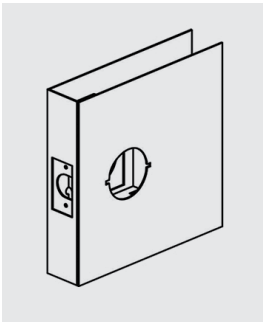


Closer Reinforcement

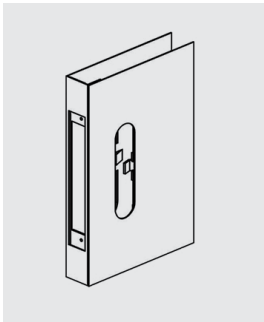


Top & Bottom Channels
Inverted

Standard Preparations

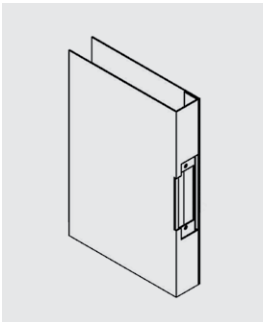


161

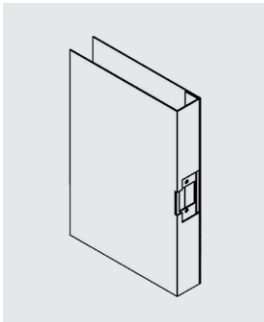


86

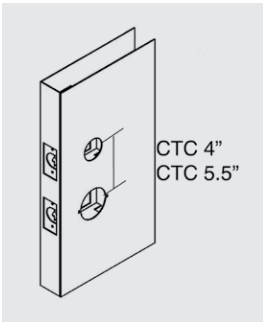
More Preparations



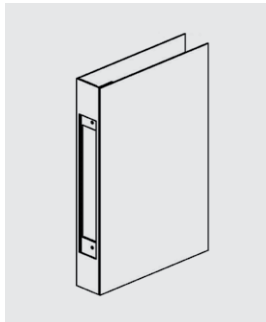
ASA Strike Prep



C Strike Prep

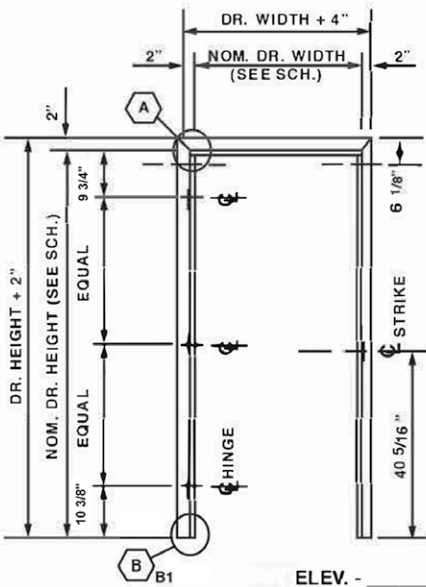


Interconnected

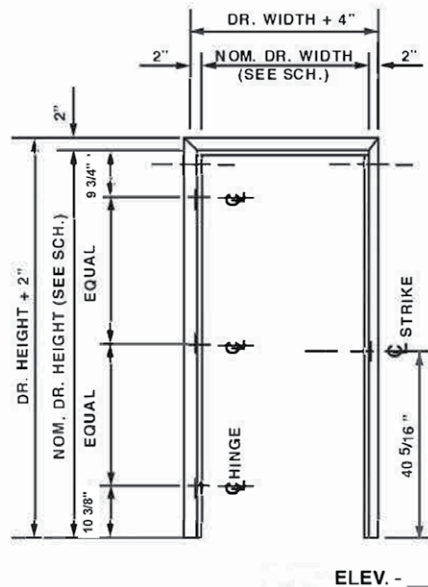


86B

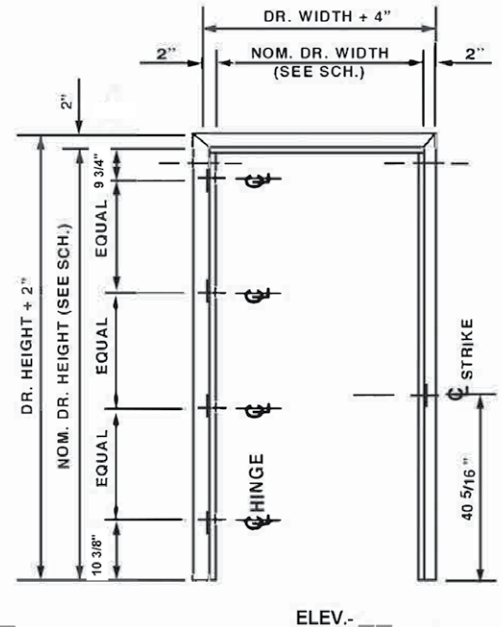
Conventional Wall Frames



Frame hinge spacing for 1 3/8" thick doors. Omit Center hinge for 6'-8" high non-label doors. Standard hinge backset is 1/4" on frames for 13/8" thick doors.

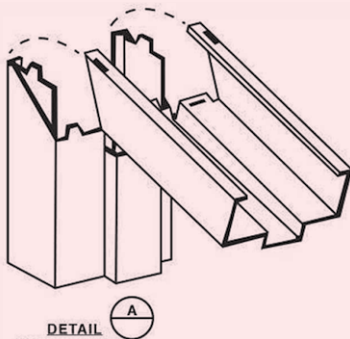


Frame hinge spacing for 1 3/4" thick doors 6'-8" thru T-2" high. Standard hinge backset is 5/16" on frames for 13/4" thick doors.

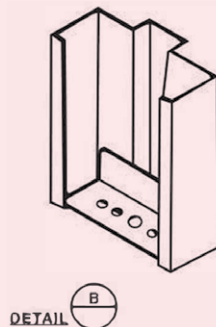


Frame hinge spacing for 1 3/4" thick doors over 7'-2". Standard hinge backset is 5/16" on frames for 1 3/4" thick doors.

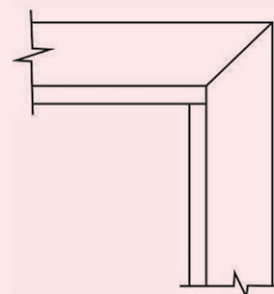
DETAIL A
Corner Detail



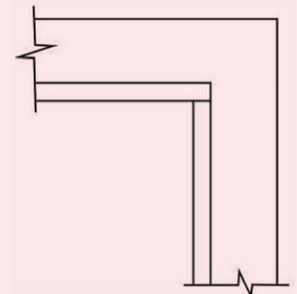
DETAIL B
Standard Base Anchor



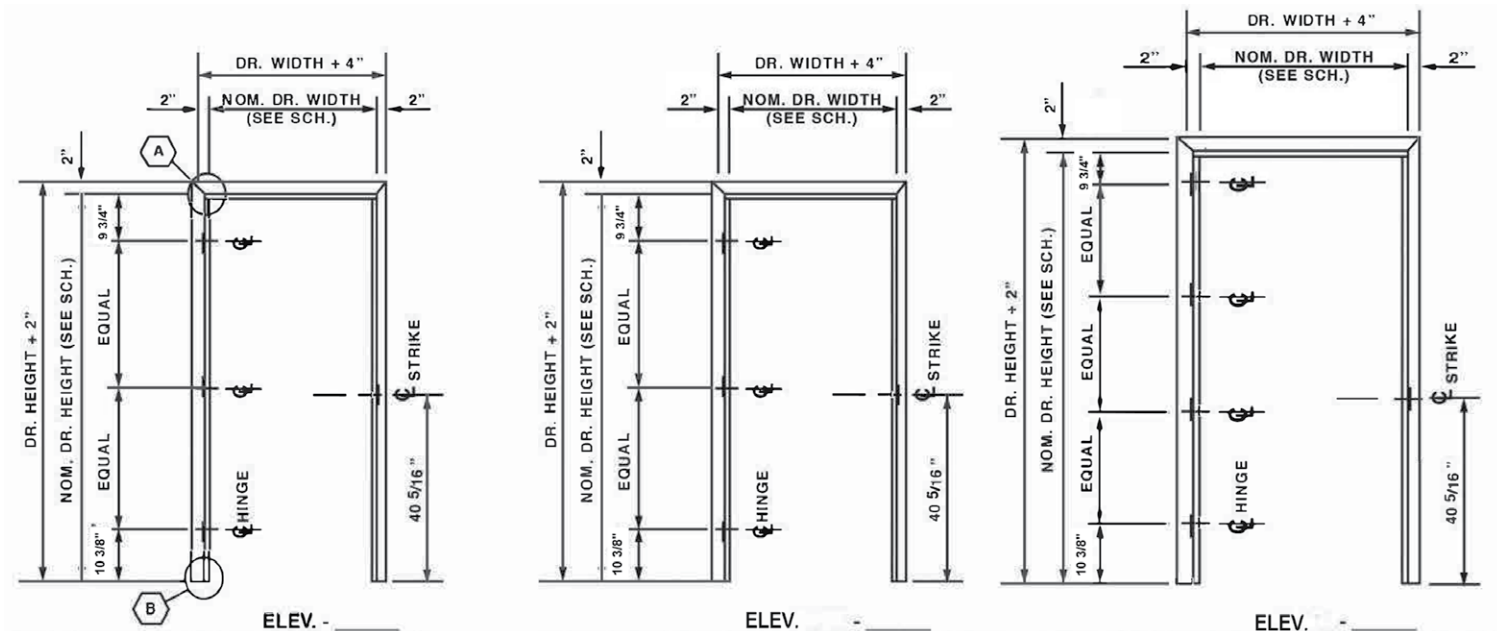
K.D. CORNER



K.D. CORNER
FACE WELDED (SUAW)



Drywall Frames Details



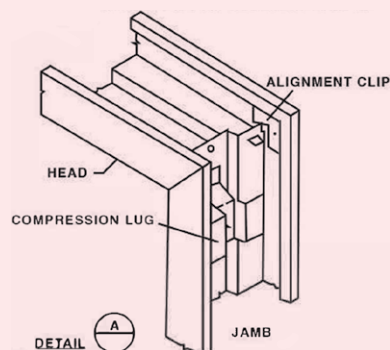
Frame hinge spacing for 1 3/8" thick doors. Omit Center hinge for 6'-8" high non-label doors. Standard hinge backset is 1/4" on frames for 1 3/8" thick doors.

Frame hinge spacing for 1 3/4" thick doors 6'-8" thru T-2" high. Standard hinge backset is 5/16" on frames for 1 3/4" thick doors.

Frame hinge spacing for 1 3/4" thick doors over 7'-2". Standard hinge backset is 5/16" on frames for 1 3/4" thick doors.

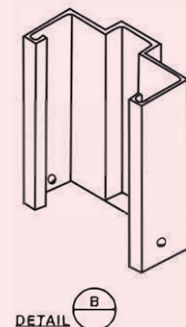
DETAIL A

Corner Detail



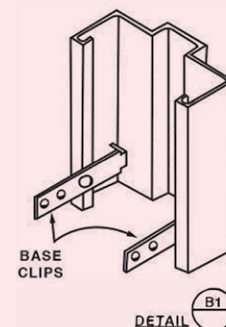
DETAIL B

Standard Base Anchor



DETAIL B1

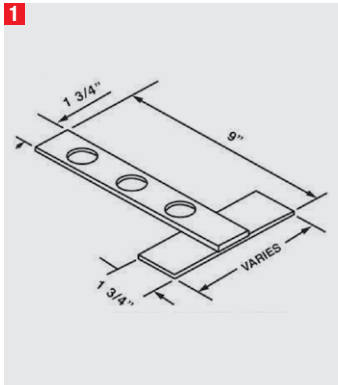
Alt. Base Anchor



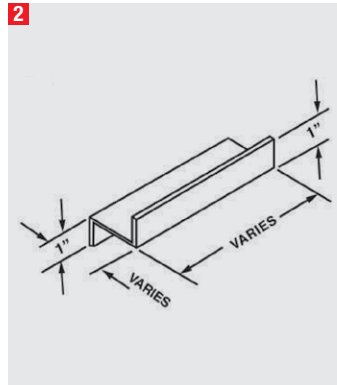
Note:

Drywall labeled frames are available in 16 ga. only. The maximum size available is 4'-0" x 8'-0" single swing. Double swing drywall frames for pairs of doors up to 8'-0" x 8'-0" are available.

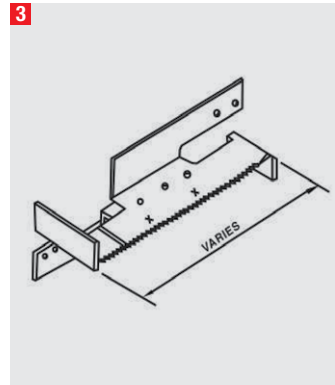
Frame Anchor Details



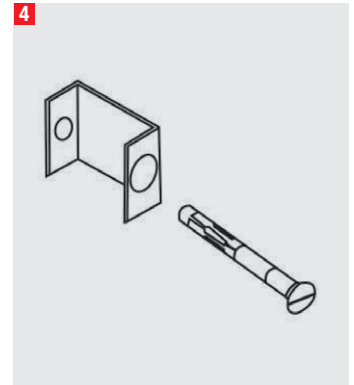
Label or non-label masonry
"T" anchor



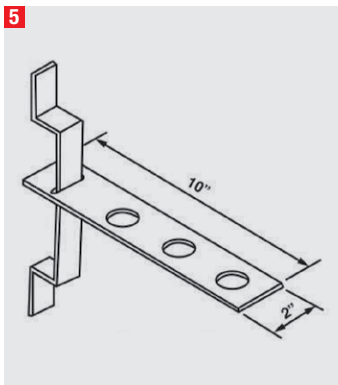
Label or non-label metal stud
"Z" clip anchor



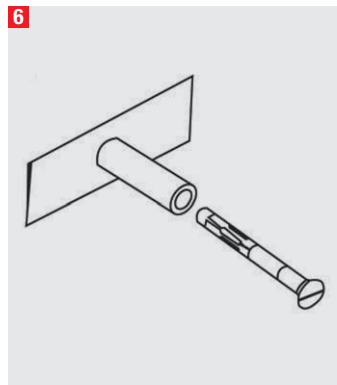
Universal wood or metal stud
anchor



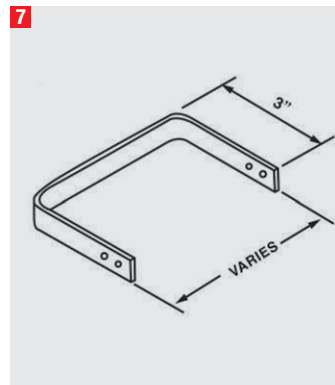
Existing wall anchor



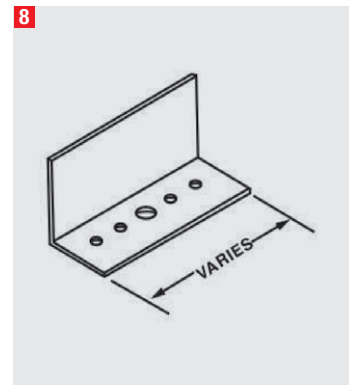
Label adjustable masonry "loop"
anchor



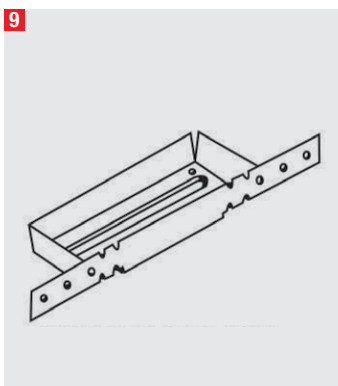
Label existing wall "pipe sleeve"
anchor



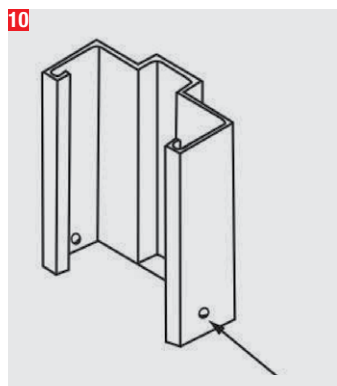
Label wood stud "strap" anchor



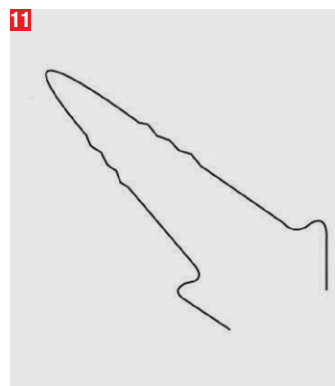
Floor anchor



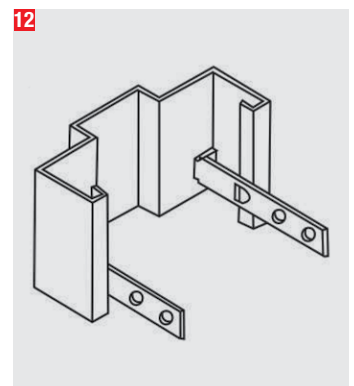
Wood stud, metal stud



Drywall frame sill anchor holes

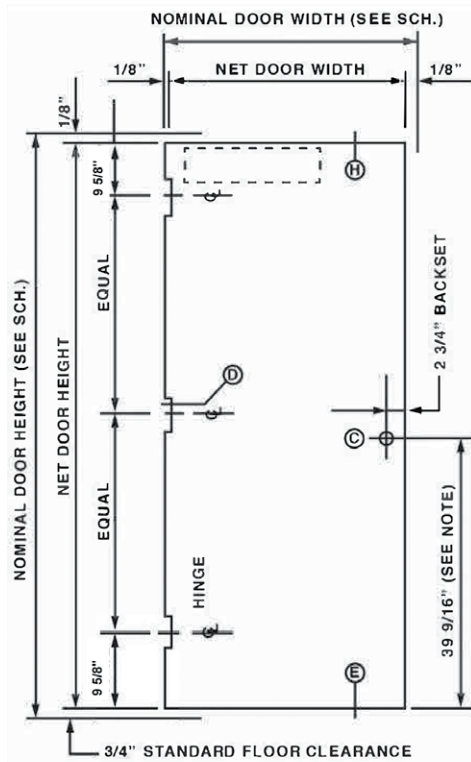


Standard or label adjustable
wire masonry anchor

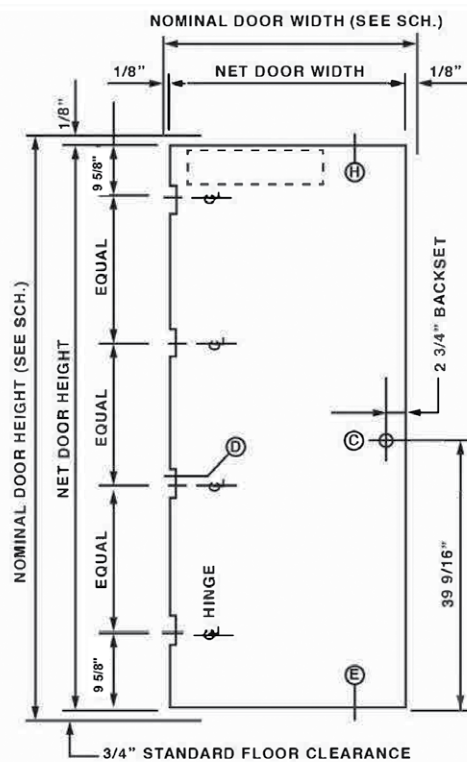


Optional drywall frame sill clip
anchor

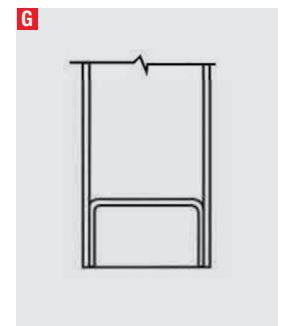
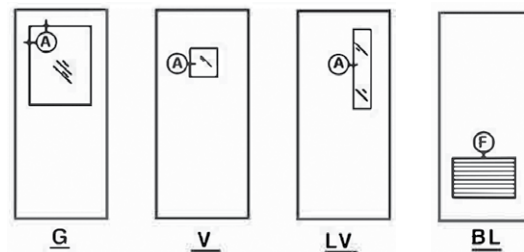
1 3/4" Thick Door Elevations & Details



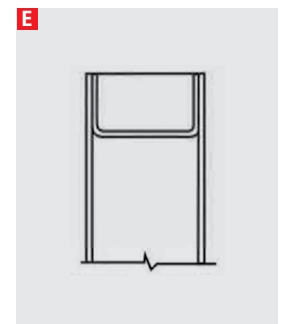
6'-8" thru 7'-2" high door standard hardware location



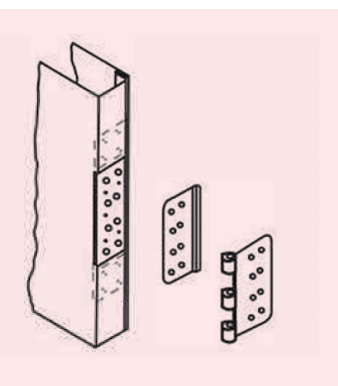
Over 7'-2" thru 8'-0" high door standard hardware location



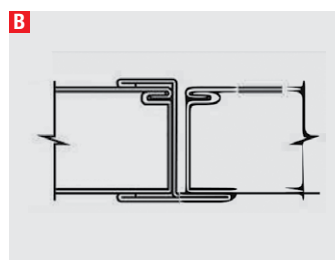
Top channel



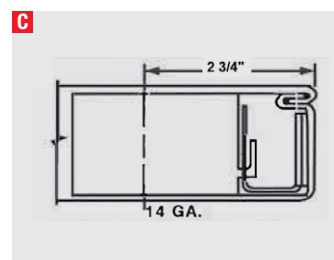
Bottom channel



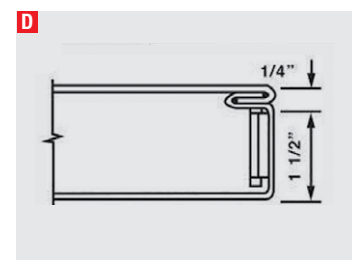
Reversible hinge prep



Overlapping astragal



161 cvl. lock prep



7 ga. hinge reinf.

Note:

Dimensions shown for lock prep is for 161 locks. When 86 is to be used (ANSI A115.1) dimension to center of lock is 3/8" less than indicated.



Nomenclature

Doors & Frames Series

18GHF - 18 Gauge Honeycomb
Flush Door
6GM = 16 Gauge Masonry Frame
6GD = 16 Gauge Drywall Frame

Hinge Location

ST = Standard
ME = Mesker
CE = Ceco
CU = Curries
RE = Republic
CH = Continuous Hinge

Components

H = Header
4H = 4" Face Header
SJ = Strike Jamb
HJ = Hinge Jamb
BJ = Blank Jamb (No Mute
Hole or Hardware Prep)
COH = Cased Opening Header
COJ = Cased Opening Jamb
SM = Stick Material

Door Construction

V = Edge Seam

Preparations

T = 161 Turtle Prep
C = 161 Prep
M = 86 Prep
BR = Blank Reinforced for Exit Device
NIA = Inactive (prepared with)
- ASA Strike Prep
- Auto / Manual Flush Bolt Prep
IA = Inactive (prepared with)
- Z Astragal (screw applied) with Flush Bolt & ASA Strike Prep
C48 = 161 Prep with DL Prep @ 48" CL AFF
4CDL = 4" CTC (Center to Center)
55CDL = 5.5" CTC (Center to Center)
BRR = Blank Reinforced for Exit Device



Imperial USA Ltd.

Phone: 704.596.2444
Toll Free: 1.800.CLOSERS (256.7377)
Fax: 800.376.6536
Email: sales@impusa.com