

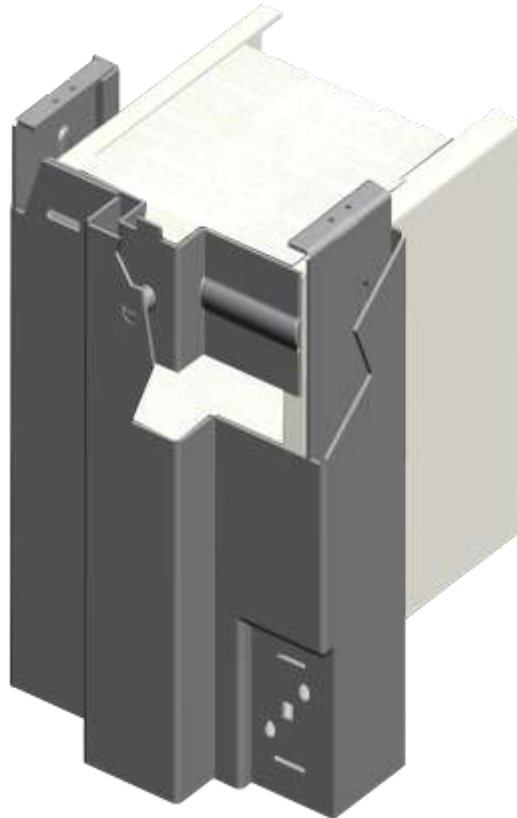
**ENGINEERING DETAILS for STANDARD
SERIES DW-14 and DW-16
DRYWALL FRAMES FOR 1³/₄" Doors**

Specifications

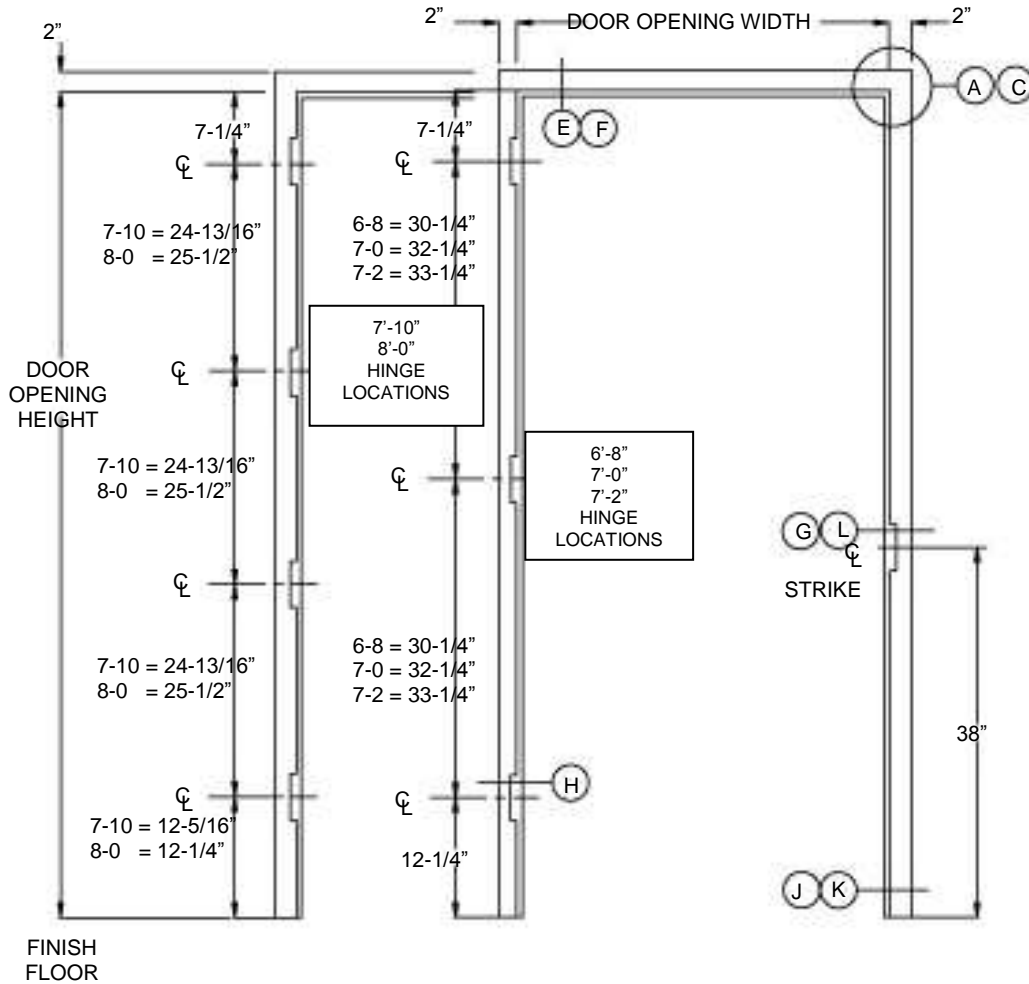
1. Frames shall be manufactured from 14 or 16 gage steel per ASTM A1008, A568, & A569 or A60 Galvannealed per ASTM A924 & A653
2. Frames shall be knocked down for field assembly. Miters shall have a precision hairline joint when assembled.
3. Each jamb shall be provided with a permanently installed GRIP-LOK adjusting anchor. The GRIP-LOK adjusting anchor mechanism shall have no loose retaining rings, washers or clips.
4. All frames shall be provided with snap-in sill anchors pre-drilled for attachment of the base of the jambs to the floor runner.

OPTION: Frames shall be provided with pierced holes at the base of the jambs for screw attachment directly to the floor runner.
6. Heads shall be reinforced for surface applied closures, holders or brackets when required.
7. Dual purpose hinge reinforcements shall be 3/16" thick for 1-3/4" door, comes with galvanneal back-up filler plate for standard weight hinges. Conversion from standard weight to heavy weight hinges is done by removing the filler plate.
8. The standard strike preparation for ASA 4-7/8" strike shall be one piece strike reinforcement in combination with plaster guard and security angle to prevent depression of jamb and release of the latch bolt.
9. All frames shall be prepared to receive G.J. 64 type silencers: three for single frame and two for pair frame.
10. An angle shall be welded inside the base of each jamb to allow for job site vertical shimming.
11. Heads of pair frames over 4'-0" wide shall be prepared with a universal "knock-out" to accept flush bolt on inactive door leaf.

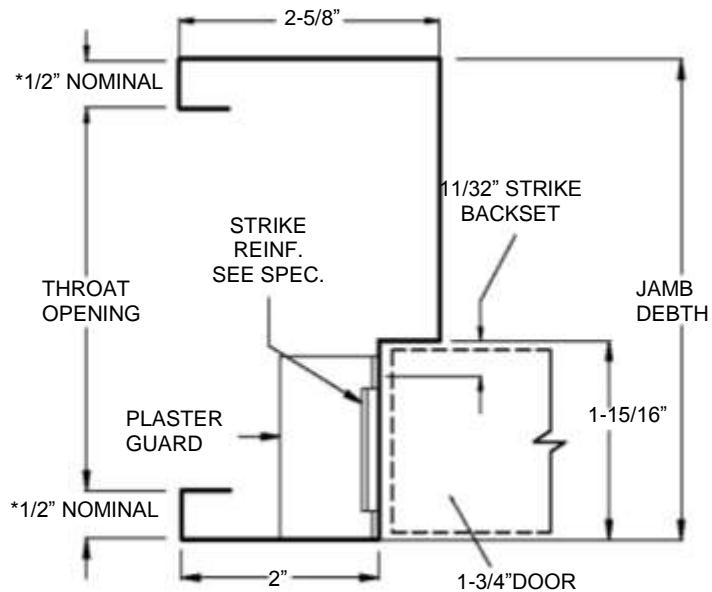
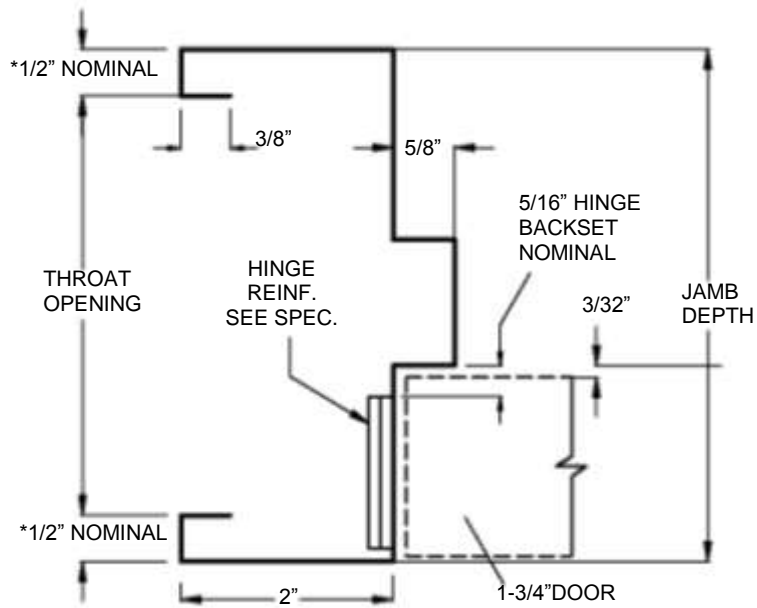
OPTION: Heads of pair frames shall be prepared to receive mortised flush bolt strike as required.
12. Frames shall be prime painted by Pioneer's exclusive "DURA-BOND" process, consisting of a wash, phosphate treatment, "flo-coat" painting and oven baking per ANSI A250.10-2003
13. Frames shall be furnished with UL or WHI Listing Mark (Label) in compliance with Positive and Neutral Pressure Ratings as required. Smoke Rating requires Listed Gasket for use with Hollow Metal Doors. Frames must be installed in accordance with NFPA 80.
14. Frame construction complies with ANSI A 250.8-2003 (SDI-100).
15. Hardware preparations and reinforcements comply with ANSI A250.6-2003. Locations are in accordance with ANSI/BHMA A156.115.





Standard SERIES DW-14, DW-16 AND DW-18 DRYWALL FRAMES FOR 1 3/4" DOORS



ELEVATION



TECHNICAL DATA – FRAMES
DW SERIES
STANDARD SIZES *

| DOOR OPENING HEIGHT | DOOR OPENING WIDTH SINGLE | PAIR | JAMB DEPTH |
|---------------------|---------------------------|-------|---|
| 6'-8" | 2'-0" | 4'-0" |  3" MINIMUM 4-3/8" MAXIMUM |
| | 2'-4" | 4'-8" | |
| | 2'-6" | 5'-0" | |
| | 2'-8" | 5'-4" | |
| 7'-0" | 2'-10" | 5'-8" |  4-1/2" MAXIMUM 9" MAXIMUM |
| 7'-2" | 3'-0" | 6'-0" | |
| 7'-10" | 3'-4" | 6'-8" | |
| 8'-0" | 3'-6" | 7'-0" | |
| | 3'-8" | 7'-4" | |
| | 3'-10" | 7'-8" | |
| | 4'-0" | 8'-0" | |

*For other sizes consult factory.


NOTES
STANDARD HINGE PREPARATION:

1 ½ pair of 4 ½ x 4 ½ standard weight template hinges for 6'-8", 7'-0" * 7'-2" height. 2 pair for 7'-10" & 8'-0" height.

STANDARD STRIKE PREPARATION:

ASA 4-7/8" furnished as standard.

FIRE RATED LABEL:

All 16 Ga. Frames available with Underwriters Laboratories label unless specifically prohibited by .

STANDARD FINISH:

All frames are furnished with a baked "Dura-Bond" prime finish.

MANUFACTURING TOLERANCES

Door Opening width
nominal opening + 1/16", -0"

Door opening height
nominal opening ± 1/16"

Jamb depth ± 1/16"

Throat
(between returns) ± 1/16"

Hardware cutouts

Template dimension + 1/64", -0"

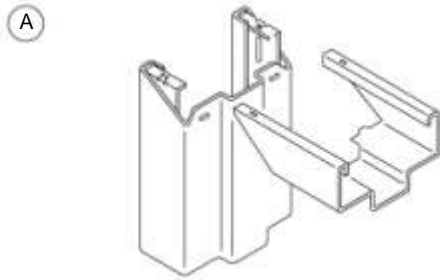
Hardware Prep location

Height ± 1/64"

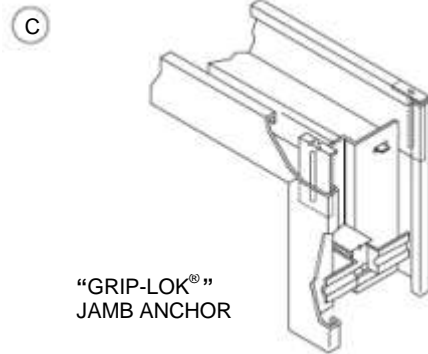
Backset ± 1/64"

Depth + 1/32", - 0"

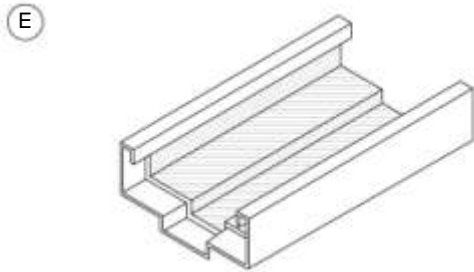
FRAME CONSTRUCTION DETAILS



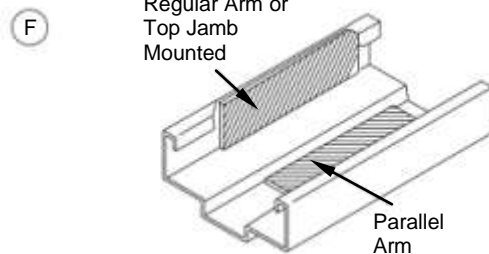
CORNER SECTION



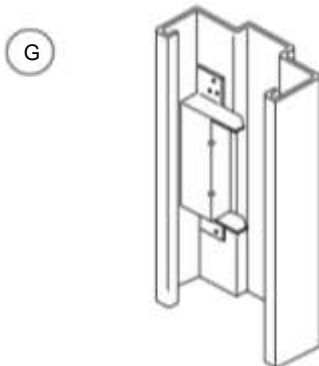
"GRIP-LOK"[®]
JAMB ANCHOR



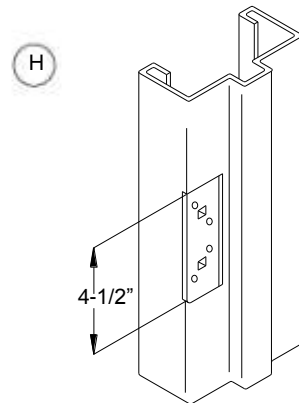
CLOSER SLEEVE



CLOSER REINF. (WELD-IN)
(AVAILABLE FOR VARIOUS
TRIM AND STEP APPLIED
DEVICES)

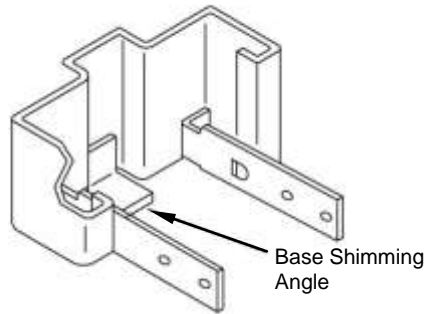


ANSI A 115-1 STANDARD 1-PIECE
STRIKE REINFORCEMENT WITH
SECURITY ANGLE



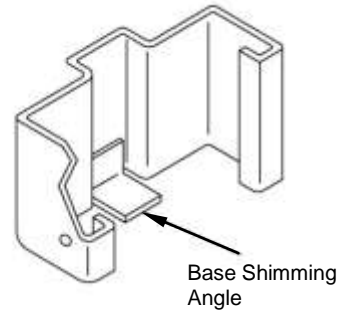
DUAL PURPOSE MORTISE
HINGE PREPARATION WITH
BACK-UP FILLER PLATE

J



SNAP-IN STANDARD
SILL ANCHOR

K



SCREW APPLIED SILL
ANCHOR (Optional)

NOTE:

In order to provide our customers with the finest products, manufactured in the most up to date manner, Pioneer Industries reserves the right to make design or specific construction changes without notice.

Pioneer Industries will not be responsible for errors incurred by other parties through the use of this data sheet without written confirmation from Pioneer. Other trades should contact Pioneer for exact hardware locations.

TECHNICAL DATA- FRAMES

DW SERIES

ENGINEERING DETAILS for STANDARD SERIES DW-18 DRYWALL FRAMES FOR 1³/₄" Doors

Specifications

1. Frames shall be manufactured from 18 gage steel per ASTM A1008, A568, & A569 or A60 Galvannealed per ASTM A924 & A653
2. Frames shall be knocked down for field assembly. Miters shall have a precision hairline joint when assembled.
3. Each jamb shall be provided with a permanently installed GRIP-LOK adjusting anchor. The GRIP-LOK adjusting anchor mechanism shall have no loose retaining rings, washers or clips.
4. All frames shall be provided with snap-in sill anchors pre-drilled for attachment of the base of the jambs to the floor runner.

OPTION: Frames shall be provided with pierced holes at the base of the jambs for screw attachment directly to the floor runner.
6. Heads shall be reinforced for surface applied closures, holders or brackets when required.
7. Hinge reinforcements are 3/16" thick for standard weight hinges. 10 gage hinges are optional for 1-3/8" Doors.
8. The standard strike preparation for 4-7/8" strike shall be one piece strike reinforcement in combination with plaster guard and security angle to prevent depression of jamb and release of the latch bolt.
9. All frames shall be prepared to receive G.J. 64 type silencers: three for single frame and two for pair frame.
10. An angle shall be welded inside the base of each jamb to allow for job site vertical shimming.
11. Frames shall be prime painted by Pioneer's exclusive "DURA-BOND" process, consisting of a wash, phosphate treatment, "flo-coat" painting and oven baking per ANSI A250.10-2004.
12. Frame construction complies with ANSI A 250.8-2003 (SDI-100)
13. Hardware preparations and reinforcements comply with ANSI A250.6-2003. Locations are in accordance with ANSI/BHMA A156.115.

