

DRYWALL FRAMES - MH SERIES/MITERED

MH Series Mitered Frames shall be as manufactured or furnished by Republic Doors and Frames, McKenzie, Tennessee 38201.

Thickness - Made for two basic door thicknesses: 1-3/8" or 1-3/4"

Gages - 18, 16 or 14

Faces - Jambs: 2"; Heads: 2"

Standard Rabbits - 1-3/8" (actual dimension 1-9/16"); 1-3/4" (actual dimension 1-15/16"). Rabbit dimension is 3/16" greater than the door thickness.

Stop - 5/8" standard - (3/4" available)

Closer Reinforcement (Optional)- 1-3/8" x 14" x 12 gage plate; 12 gage Snap-In, or 12" long x 12 gage sleeve.

Size Availability - Maximum Size 5'0" x 10'0" Single; Maximum Size 10'0" x 10'0" Double.

Label Range - Consult Label Section. (Embossed UL Listing Marks shall be provided on all stock frames).

Universal Standard/Heavy Weight Hinge - Frames for 1-3/4" doors shall have a 9 gage steel hinge reinforcement plate, projection welded with provisions for 4-1/2" x 4-1/2" template hinges. Hinge plate is designed to be modified to accept a heavy weight hinge by removing four projections. Frames for 1-3/8" doors shall have a 11 gage steel hinge reinforcement plate, projection welded with provisions for 3-1/2" x 3-1/2" standard weight template hinges.

Strike Prep - Frames for 1-3/4" doors shall have a 14 gage steel strike reinforcement plate, extruded and formed to the equivalent of 10 gage, projection welded with provisions for Universal ANSI A115.1 or ANSI A115.2 strike (4-7/8"). Frames for 1-3/8" doors shall have a 14 gage steel strike reinforcement plate, extruded and formed to the equivalent of 10 gage projection welded with provision for Universal ANSI A115.3 strike (2-3/4")

Hinge Backset - 5/16"

Backbend - 1/2" with 3/8" backbend return

Anchors - Each jamb shall be equipped with a pressure anchor. The pressure anchor shall anchor the frame rigid in the opening. Sill and intermediate anchors must be ordered separately.

Silencer Prep - 9/32" dia. holes shall be provided as standard on strike jambs and double headers, (3 per strike jamb and 2 per double head). Mutes are not supplied and must be ordered separately.

Double Heads - Double heads are undersized 1/16" (except for cased open heads, which are nominal).

Profiles - Equal Rabbit, Unequal Rabbit, Single Rabbit, Double Egress, Cased Opening.

Shipping - Frames are shipped as components, bundled as one pair of jambs (hinge & strike for single openings or 2 hinge jambs for double openings). Heads are packaged separately.

Handing - Frames are handed.

Revised 8/09

MH SERIES - SPECIFICATIONS

- I. MH Series Mitered Frames as manufactured by Republic Doors and Frames, McKenzie, TN 38201 have been tested or adhere to the criteria set forth by the following published standards:
 - A. ANSI A250.8-1998 (SDI 100) - Recommended Specifications -Standard Steel Doors & Frames; Steel Door Institute.
 - B. SDI 111 - Recommended Standard Details - Steel Doors & Frames.
 - C. SDI 112-97 - Zinc Coated Standard Steel Doors and Frames.
 - D. SDI 113-79 - Test Procedure and Acceptance Criteria for Acoustical Performance for Steel Door and Frame Assemblies.
 - E. ASTM 366/A 366M - Standard Specification for Steel, Sheet, Carbon, and High Strength, Low Alloy, Hot Rolled and Cold Rolled, General Requirements.
 - F. ASTM A 568/A 568M - Standard Specification for Steel, Sheet, Carbon and High Strength, Low-Alloy, Hot Rolled and Cold Rolled, General Requirements For.
 - G. ASTM A 569/A 569M - Standard Steel Specification for Steel, Carbon (0.15 Maximum Percent), Hot Rolled Sheet and Strip Commercial Quality.
 - H. ASTM 591/A 591M - Standard Steel Specification for Steel Sheet, Electrolytic Zinc-Coated, for Light Coating Mass Applications.
 - I. ASTM 653/A 653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy Coated (Galvanized) by Hot Dipped Process.
 - J. NFPA 80 - Standard for Fire Doors and Windows.
 - K. A250.4 1994 - Test Procedure and Acceptance Criteria for Physical Endurance for Steel Doors and Hardware Reinforcings.

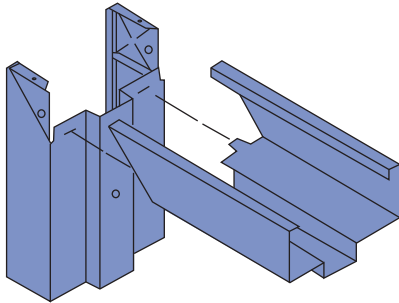
- II. Frame Construction
 - A. Frames shall be formed from 18,16 or 14 gage cold-rolled, hot-rolled or galvanized steel.
 - B. Frames shall be either knocked-down or have corners welded and ground smooth. Corners shall have aligning tabs and slots for secure and easy interlocking of jambs to head.
 - C. Frames shall be provided with 9/32" silencer preparation, (3) per strike jamb and (2) per head for double openings, for field application after finish painting.
 - D. Frames for 1-3/4" doors shall have 9 gage steel universal hinge tap plate, projection welded, with provisions for 4-1/2" x 4-1/2" template hinges, and 14 gage steel strike reinforcement plate, extruded and formed to the equivalent of 10 gage, projection welded, with provision for Universal ANSI A115.1 or ANSI A115.2 strike.
 - E. Frames for 1-3/8" doors shall have 11 gage steel hinge reinforcement plates, projection welded, with provisions for 3-1/2" x 3-1/2" template hinges, and 14 gage steel strike reinforcement plate, projection welded, with provision for cylindrical ANSI A115.3 strike.
 - F. Reinforcement for surface closer shall be 12 gage steel. Proper reinforcement shall be provided for other hardware when required.

- III. Frame Finish

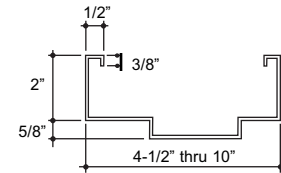
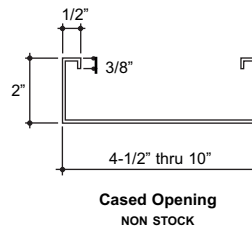
Frames will be cleaned and phosphatized with one coat of force-cured grey primer and meets or exceeds ANSI A224.1-1990 and ASTM specification B117 for finishes. (Capable of passing 120 hour salt spray test and a 240 hour humidity test in compliance with ASTM D1735.)

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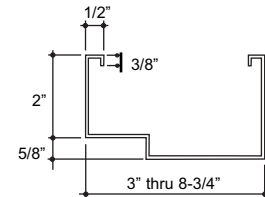
MH SERIES - FRAME CONSTRUCTION



Rough Opening Required for
Drywall Frame
Door Width Opening + 2" (51)
Door Height Opening + 1" (25)
Assuming 2" Face Dimension
For SGL-RBTD 4" and under or CASED OPG. - Door Width plus 3"
Also refer to sheet 202d

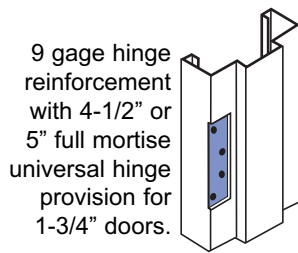


Double Rabbet
STOCK = 4-4/8", 4-6/8", 5-4/8",
5-5/8", 5-6/8", 5-7/8", 6-2/8",
7-1/8", 8-2/8"

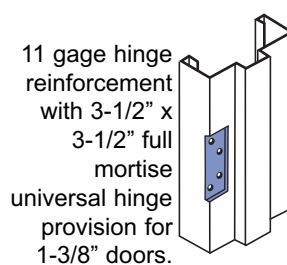


**Single Rabbet
(NON STOCK)**

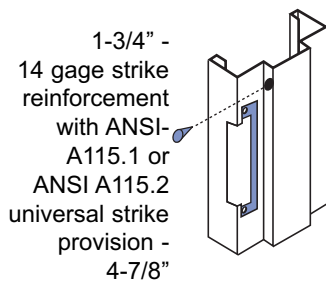
HARDWARE PREPARATION



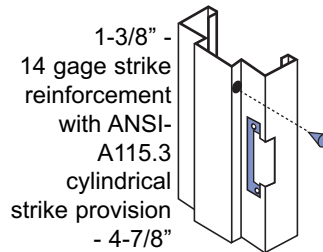
9 gage hinge
reinforcement
with 4-1/2" or
5" full mortise
universal hinge
provision for
1-3/4" doors.



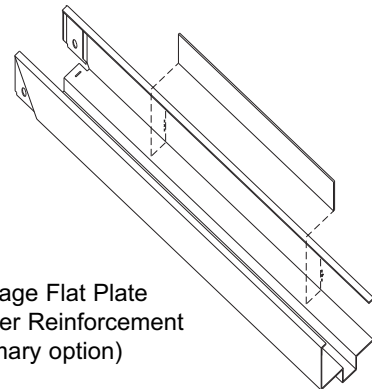
11 gage hinge
reinforcement
with 3-1/2" x
3-1/2" full
mortise
universal hinge
provision for
1-3/8" doors.



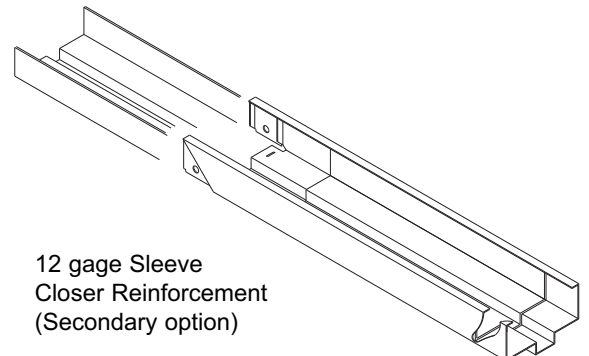
1-3/4" -
14 gage strike
reinforcement
with ANSI-
A115.1 or
ANSI A115.2
universal strike
provision -
4-7/8"



1-3/8" -
14 gage strike
reinforcement
with ANSI-
A115.3
cylindrical
strike provision
- 4-7/8"



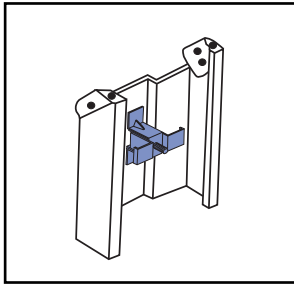
12 gage Flat Plate
Closer Reinforcement
(Primary option)



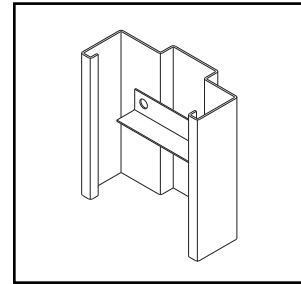
12 gage Sleeve
Closer Reinforcement
(Secondary option)

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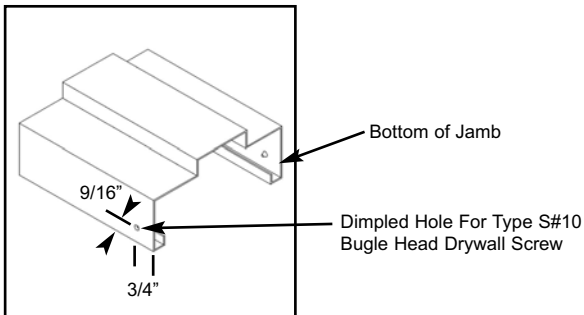
MH SERIES - ANCHOR DETAILS



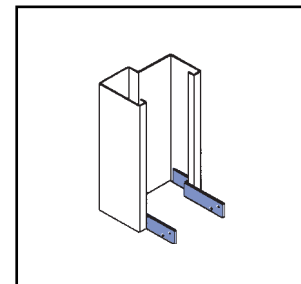
Asjustable Pressure
Anchor



Intermediate
Anchor



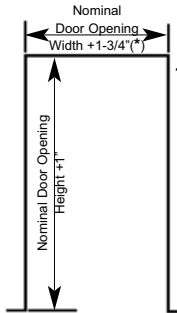
Punch and Dimple
Location



Drywall Sill Anchor

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INSTALLATION OF (MH) DRYWALL FRAMES



1. Provide for rough opening as shown.

* Nominal Door opening width + 1-3/4"
Nominal Door opening height + 1"
(Assuming 2" face dimension)

Nominal Door opening width + 3" - For
single rabbeted or cased opening
frames.



2. Drive sill anchors on to bottom of
both jambs.

Slip hinge jamb over wall into
position.



3. Slip header over wall and engage
header aligning tab in slot of
hinge jamb.



4. Slip strike jamb over wall and
engage header aligning tab in slot
of strike jamb.



5. Position adjustable pressure
anchor by turning adjusting screw
clockwise an equal amount for
both anchors. After contact is
made with studs, continue
tightening until frame is wedged
between studs. (Do not over-
tighten.)



6. Level header.

Shim jambs at base if required.



7. Plumb hinge jamb.

Fasten hinge jamb sill anchors
securely with nails or screws.



8. Size opening by inserting wood
spreader cut to exact opening width
and fasten sill anchor at strike jamb
with nails or screws.

Remove spreader. Insert adjusting
screw cover.

Attach (2) #8 x 1/2 STS to each
corner for labeled single frames over
7'-2" in height and all double frames.

Frame is now ready for door and
hardware.

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