

DRYWALL FRAMES - MH SERIES/MITERED**TECHNICAL DATA
SHEET No. 202**

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

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

Gages - 16 or 14

Standard Face - 2"

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

Standard Stop - 5/8"

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

Label Range - Consult Label Section.

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. (Options - 8" or 10", 7 gage reinforcement)

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 (Double Return)

Anchors - Each jamb shall be equipped with a pressure anchor. 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).

Mortar Guards - Mortar guards of 26 gage steel shall be welded to each hinge and strike reinforcement plate.

Profiles - Equal Rabbet, Unequal Rabbet, Single Rabbet, Double Egress, Cased Opening, Kerf. (Special profiles available, consult factory.)

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. (Option - Unit Bundle)

Handing - Frames are handed.

Revised 9/14

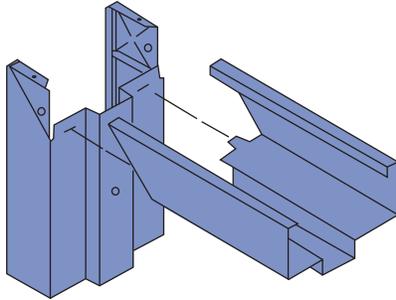
MH SERIES - SPECIFICATIONS**TECHNICAL DATA
SHEET No. 202a**

- 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 (SDI 100) - Recommended Specifications -Standard Steel Doors & Frames; Steel Door Institute.
 - B. SDI 111 - Recommended Standard Details - Steel Doors & Frames.
 - C. SDI 112 - Zinc Coated Standard Steel Doors and Frames.
 - D. SDI 113 - 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 16 or 14 gage cold-rolled, hot-rolled or galvanealed 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 14 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.)

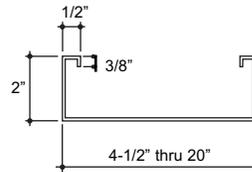
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MH SERIES - FRAME CONSTRUCTION

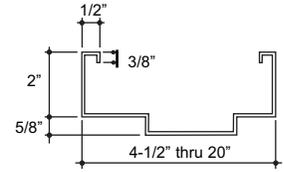
TECHNICAL DATA SHEET No. 202b



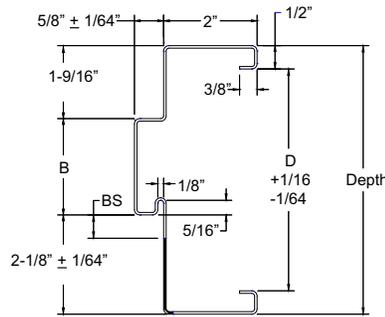
Rough Opening Required for Wrapped Application
 Door Width Opening + 2" (51)
 Door Height Opening + 1" (25)
 Assuming 2" Face Dimension
 For SGL-RBTD 4" and under or CASED OPG. - Door Width plus 3"
 Also refer to sheet 202d



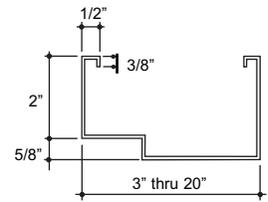
Cased Opening



Double Rabbet

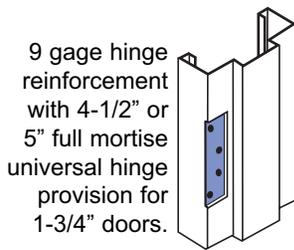


KERF
(16 gage only)

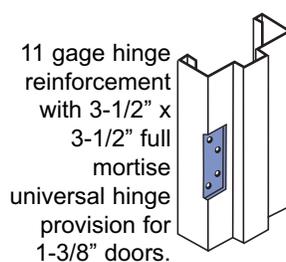


Single Rabbet

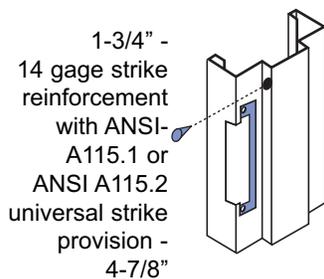
HARDWARE PREPARATION



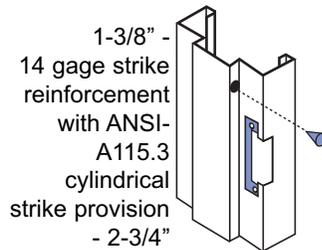
9 gage hinge reinforcement with 4-1/2" or 5" full mortise universal hinge provision for 1-3/4" doors.



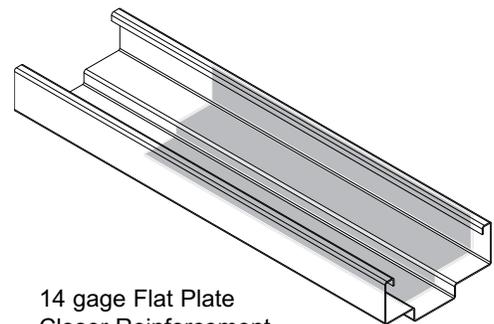
11 gage hinge reinforcement with 3-1/2" x 3-1/2" full mortise universal hinge provision for 1-3/8" doors.



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 - 2-3/4"

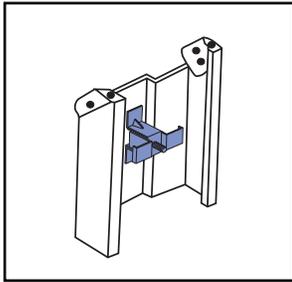


14 gage Flat Plate Closer Reinforcement (Option)

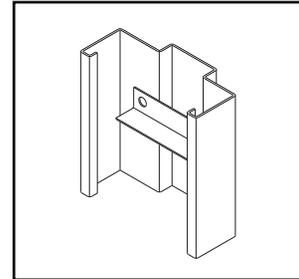
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MH SERIES - ANCHOR DETAILS

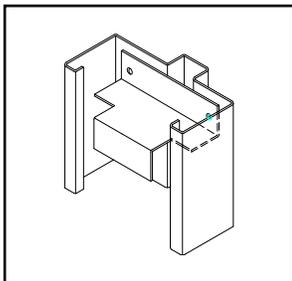
TECHNICAL DATA SHEET No. 202c



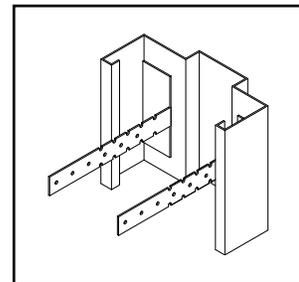
Adjustable Pressure Anchor
(Standard Welded In)



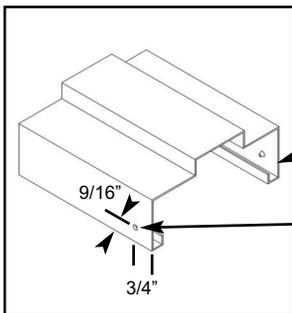
Intermediate Anchor
(Option)



"Z" Anchor
(Option)



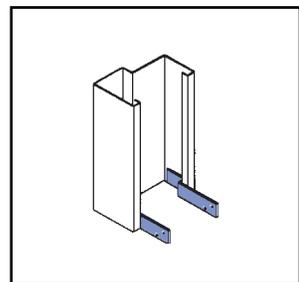
L Strap Anchor
(Option)



Punch and Dimple
Location
(Option)

Bottom of Jamb

Dimpled Hole For Type S#10
Bugle Head Drywall Screw

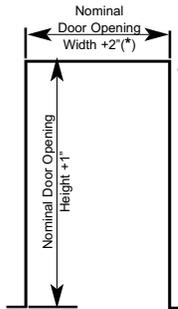


Drywall Sill Anchor
(Sold/Shipped Loose)

Revised 9/14

INSTALLATION OF (MH) DRYWALL FRAMES

TECHNICAL DATA SHEET No. 202d



1. Provide for rough opening as shown.

* Nominal Door opening width + 2"
Nominal Door opening height + 1"
(Assuming 2" face dimension)

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

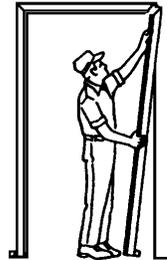


2. Drive sill anchors on to bottom of both jambs.

Slip hinge jamb over wall into position.



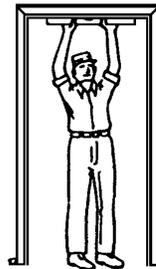
3. Slip head over wall and engage head aligning tab in slot of hinge jamb.



4. Slip strike jamb over wall and engage head 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 head.

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.

Revised 9/14