

ME 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" (Consult factory for optional profiles.)

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

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 - 7/16" (Single Return)

Anchors - Welded in Sill anchors are included with all ME frames. All other 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

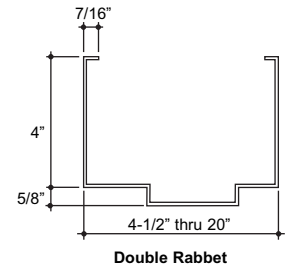
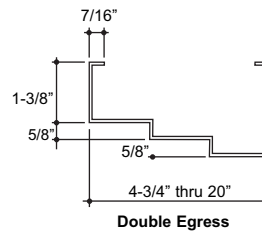
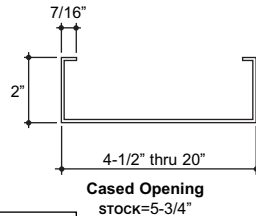
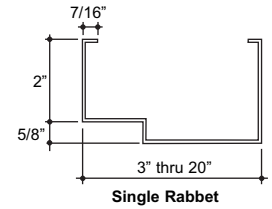
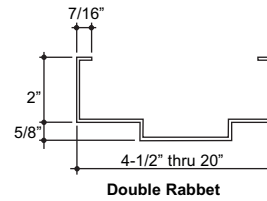
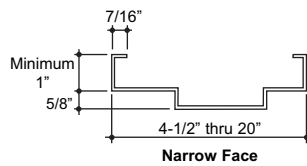
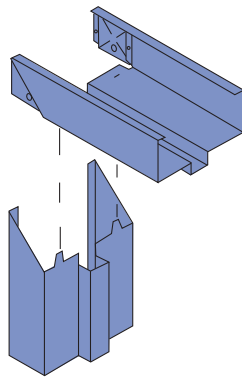
ME SERIES - SPECIFICATIONS**TECHNICAL DATA
SHEET No. 201a**

- I. ME 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 A 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.
 - 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 A 591/A 591M - Standard Steel Specification for Steel Sheet, Electrolytic Zinc-Coated, for Light Coating Mass Applications.
 - I. ASTM A 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 galvanized steel. (A60 galvanized standard) (12 gage available with notched ends for welding)
 - 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. (12 gage frames shall have notched ends for welding.)
 - 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. Mortar guards of 26 gage steel shall be welded to each hinge or strike reinforcing plate.
 - 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, that 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.)

Revised 9/14

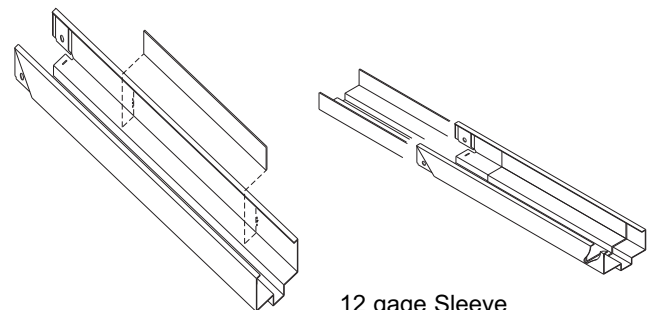
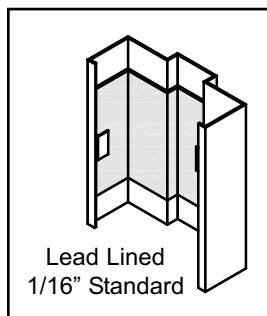
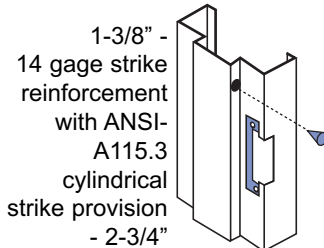
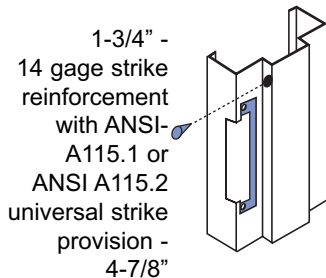
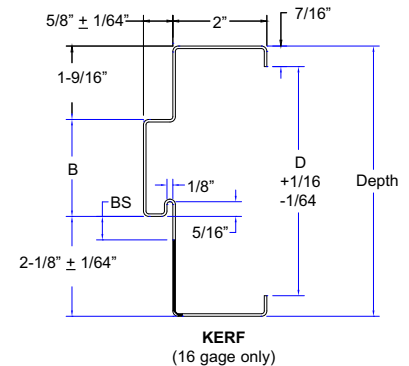
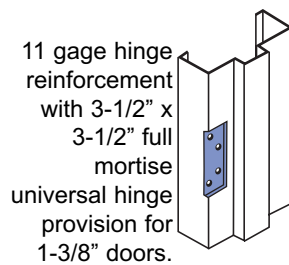
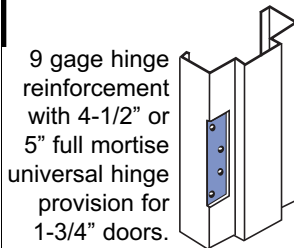
ME SERIES - FRAME CONSTRUCTION

TECHNICAL DATA SHEET No. 201b



Rough Opening Required for Butted Application
 Door Width Opening + 2 Times Face Dimension + 1/2"
 Door Height Opening + Face Dimension + 1/4"

HARDWARE PREPARATION



14 gage Flat Plate Closer Reinforcement (Option)

12 gage Sleeve Closer Reinforcement (Option)

Revised 9/14

**ME SERIES - BULLET RESISTANT FRAME
LEVELS 1 THRU 8****TECHNICAL DATA
SHEET No. 201c**

ME Series Bullet Resistant Mitered Frames shall be as manufactured or furnished by Republic Doors and Frames, McKenzie, Tennessee 38201. Tested in accordance to UL752 Ballistic Standards.

Profile - Made to accommodate 14 gage door - 2" rabbet (+/- 1/16")

Gage - 14 gage only

Standard Face - 2"

Standard Rabbets - Non-Door side 1-9/16"; Door side 2". Rabbet dimension is 3/16" greater than the door thickness.

Standard Stop - 5/8" standard

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

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

Universal Standard/Heavy Weight Hinge - Frames shall have 9 gage steel hinge reinforcement plate, projection welded for provisions for 4-1/2" x 4-1/2" or 5" template hinges. Hinge plate is designed to be modified to accept a heavy weight hinge by removing four projections. (Optional - 8" or 10", 7gage reinforcement.)

Strike Prep - Frames 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").

Hinge Backset - 5/16"

Backbend - 7/16"

Anchors - Masonry wire, tee and existing opening punch and dimple. Welded in Sill anchors are included with all ME frames.

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".

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.

Handing - Frames are handed.

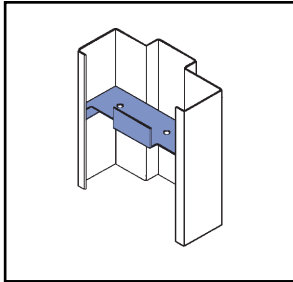
Special Requirements - Frames must be welded - Masonry frames fully grouted do not require armor plating.

NOTE: Doors over 3'6" in width, 7'6" in height or 250 lbs - Republic recommends additional hinge(s) or continuous hinge applications.

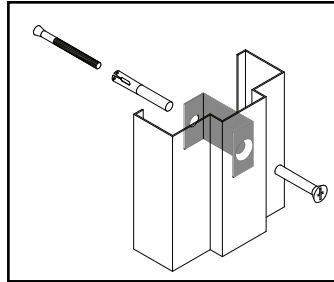
Revised 9/14

ME SERIES - ANCHOR DETAILS

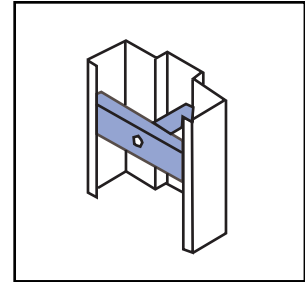
TECHNICAL DATA SHEET No. 201d



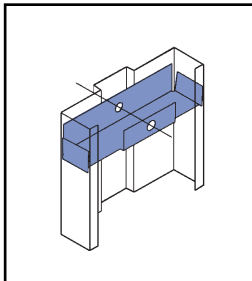
Steel Stud
Anchor
(stock depth only)



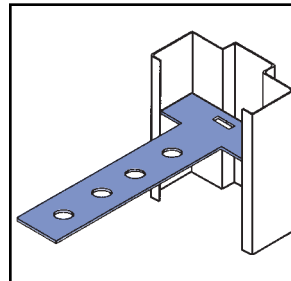
Prepared Opening
Anchor (Bolt sold separately)



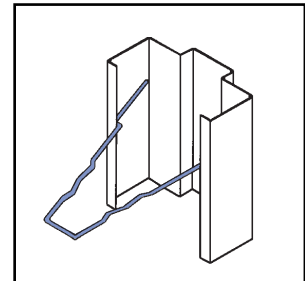
Twist in Prepared
Opening Anchor
(stock depth only)



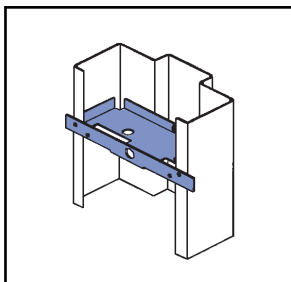
Snap-in Prepared
Opening Anchor
(stock depth only)



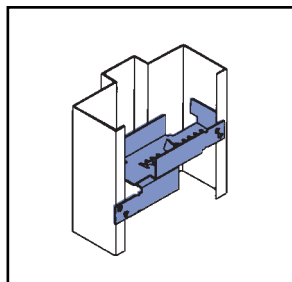
Tee Masonry
Anchor



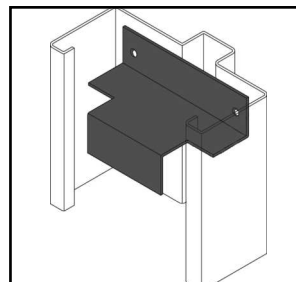
Wire Masonry
Anchor



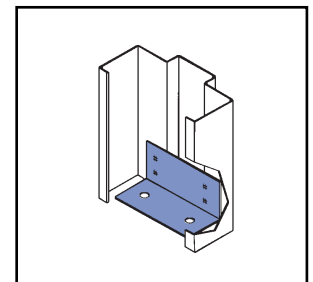
Wood Stud
Anchor
(stock depth only)



Adjustable Wood/Steel Stud
Anchor (Assembled)



"Z" Anchor
(standard for non-stock
depth with steel stud
anchors)

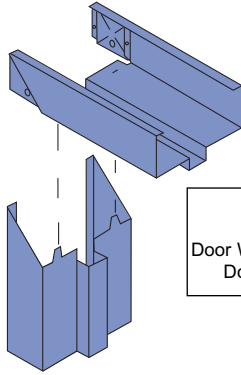


One Piece Sill Anchor
Welded On

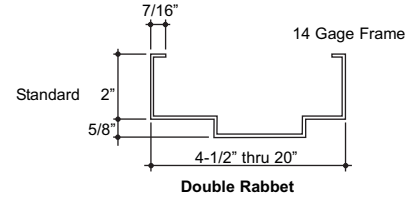
Revised 9/14

ME SERIES - BULLET RESISTANT FRAME LEVEL 1 & 6 CONSTRUCTION

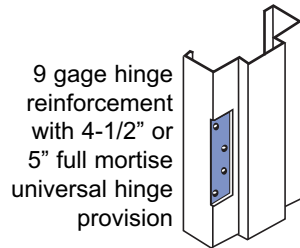
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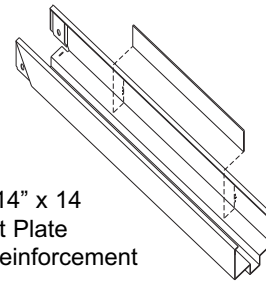
Rough Opening Required for
Butted Application
Door Width Opening + 2 Times Face Dimension + 1/2"
Door Height Opening + Face Dimension + 1/4"



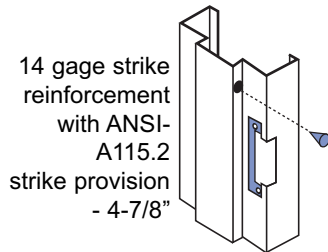
HARDWARE PREPARATION



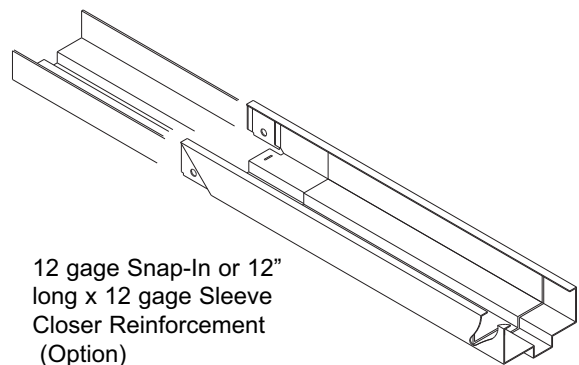
9 gage hinge
reinforcement
with 4-1/2" or
5" full mortise
universal hinge
provision



1 3/8" x 14" x 14
gage Flat Plate
Closer Reinforcement
(Option)



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

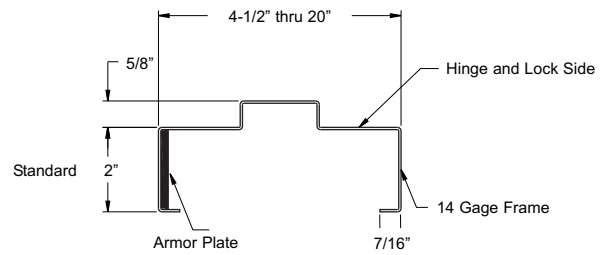
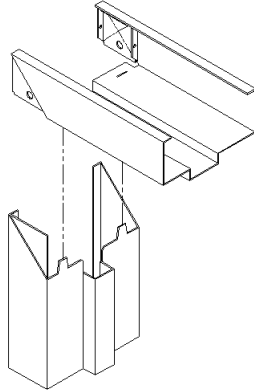


12 gage Snap-In or 12"
long x 12 gage Sleeve
Closer Reinforcement
(Option)

Revised 9/14

ME SERIES - BULLET RESISTANT FRAME LEVEL 2 & 3 CONSTRUCTION

TECHNICAL DATA SHEET No. 201f

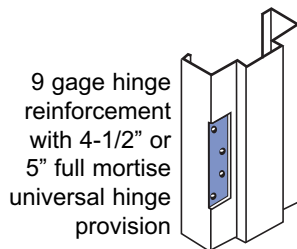


Double Rabbet

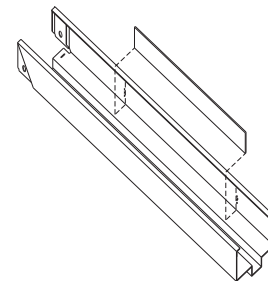
Rough Opening Required for
Butted Application
Door Width Opening + 2 Times Face Dimension + 1/2"
Door Height Opening + Face Dimension + 1/4"

Note: Masonry frames fully grouted
do not require armor plating.

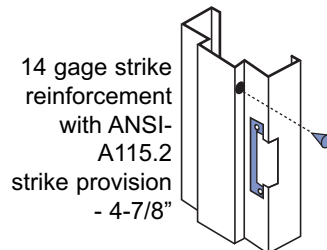
HARDWARE PREPARATION



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



14 gage Flat Plate
Closer Reinforcement
(Option)

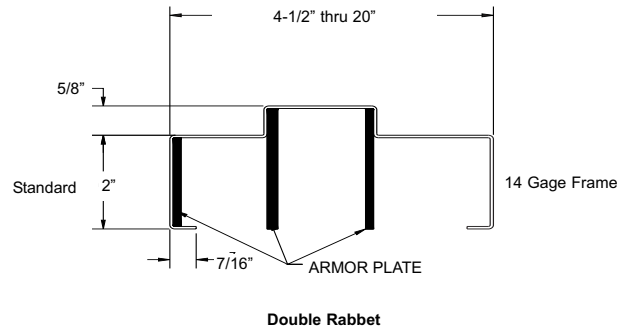
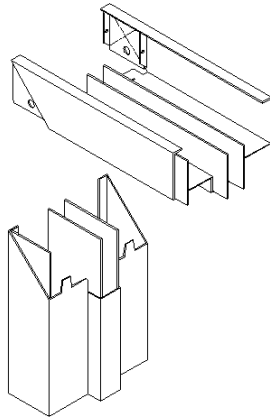


14 gage strike
reinforcement
with ANSI-
A115.2
strike provision
- 4-7/8"

Revised 9/14

ME SERIES - BULLET RESISTANT FRAME LEVEL 4, 5, 7 & 8 CONSTRUCTION

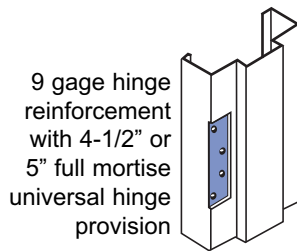
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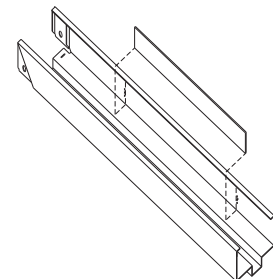
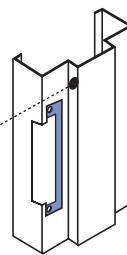
Rough Opening Required for
Butted Application
Door Width Opening + 2 Times Face Dimension + 1/2"
Door Height Opening + Face Dimension + 1/4"

NOTE: Masonry frames fully grouted do not require armor plating.

HARDWARE PREPARATION



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



14 gage Flat Plate Closer Reinforcement (Option)

Revised 9/14