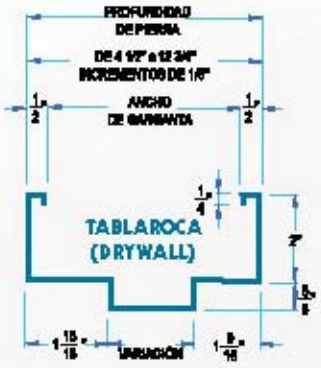
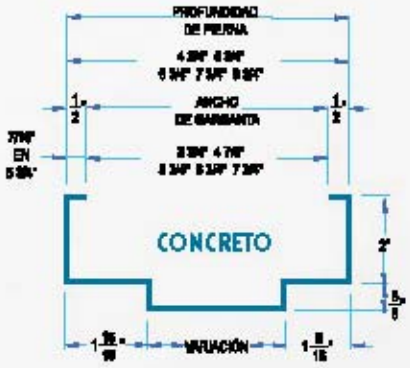
CARACTERÍSTICAS TÉCNICAS DE MARCOS

MMI ofrece una amplia gama de diseños, perfiles, funciones y tamaños para diferentes medidas de vanos. Fabricados en acero de lámina rolada en frío o galvaneal A60, calibres 14, 16 y 18, están diseñados para instalarse en todo tipo de muros, pues se adecuan prácticamente a todas las condiciones de pared y requerimientos de accesos gracias a la diversidad de anclajes que poseemos.

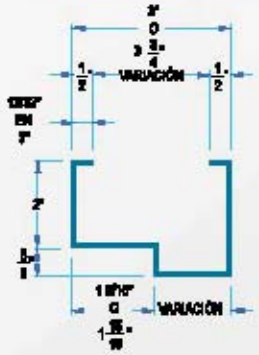
Estos marcos cumplen con las mismas normas y certificaciones UL, FM y WHI que nuestras puertas, con el objetivo de satisfacer las especificaciones que el proyecto exija. Los refuerzos internos para colocar herrajes son homologados por ANSI 115 para asegurar su calidad total.

DOBLE BATIENTE





BATIENTE SENCILLO



CARA VARIABLE

DOBLE EGRESO

DOBLE ABATIMIENTO

MARCOS ESTANDAR PARA CONCRETO SERIE M

MMI fabrica marcos de acero para puertas 1 3/8"y 1 3/4" disponibles en calibres 14 y 16 rolado en frío o galvaneal A60, con esquinas limpias y líneas pronunciadas. Pueden ser instalados en muros de concreto o de acero.
Las medidas disponibles van desde 2'0"x 6'8"hasta 4'0"x1'0" y perfiles disponibles desde 4 1/2"hasta 8 3/4".
Puedes elegir entre marcos tipo batiente sencillo, doble batiente, doble egreso, doble acción, intercomunicación y ajustables.

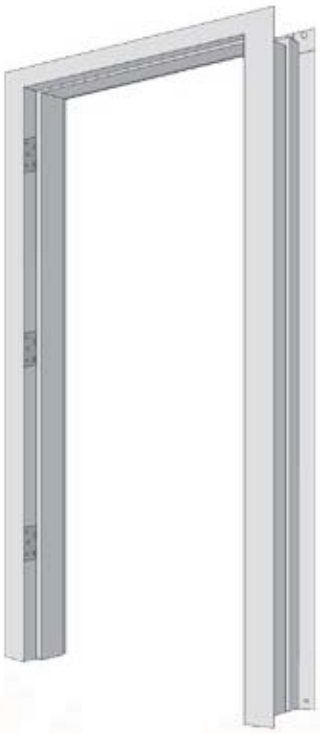


Fig. 1

Fig. 2

Fig. 3

Fig. 4

Fig. 5

ESQUINAS: Ángulos exactos de 90° que crean una apariencia atractiva y uniforme. Fig. 1

PESTAÑAS: Sistema para sostener el marco de cuatro pestañas en cada esquina, proveé de la fuerza y soporte necesario. Fig. 2

TOPE ESTANDAR: Topes de 5/8" de alto en todos los perfiles para colocar fácilmente sellos perimetrales. Fig 3

REFUERZOS RESISTENTES: Refuerzos de una sola pieza soldados al marco para una máxima resistencia, en contra Fig.4 y en bisagras Fig. 5. Refuerzos de 3 1/16" en todos los marcos de 1 3/4" para la máxima fuerza y resistencia a que se cuelgue la puerta.

MARCOS PARA TABLAROCA SERIE D (DRYWALL)

Su diseño los hace perfectos para colocarse en muros construidos de tablaroca. Cuentan con un sujetador localizado en la parte superior de cada pierna y por la parte interna del perfil. Este anclaje sujeta firmemente el marco al vano en donde es colocado, permitiendo una instalación fácil, segura y sobre todo limpia, sin necesidad de soldar en ningún punto. Disponibles en calibres 14 y 16 rolado en frío o galvaneal A60.

Como en los marcos estándar, todos los dobleces son limpios y las esquinas tienen un sistema para sujetar las piernas al cabezal en cuatro puntos por medio de pestañas que se doblan para no permitir el movimiento del marco.

Las medidas disponibles van desde 2'0"x 6'8" hasta 4'0"x 8'0" con perfiles disponibles de 4 1/2" hasta 8 3/4".

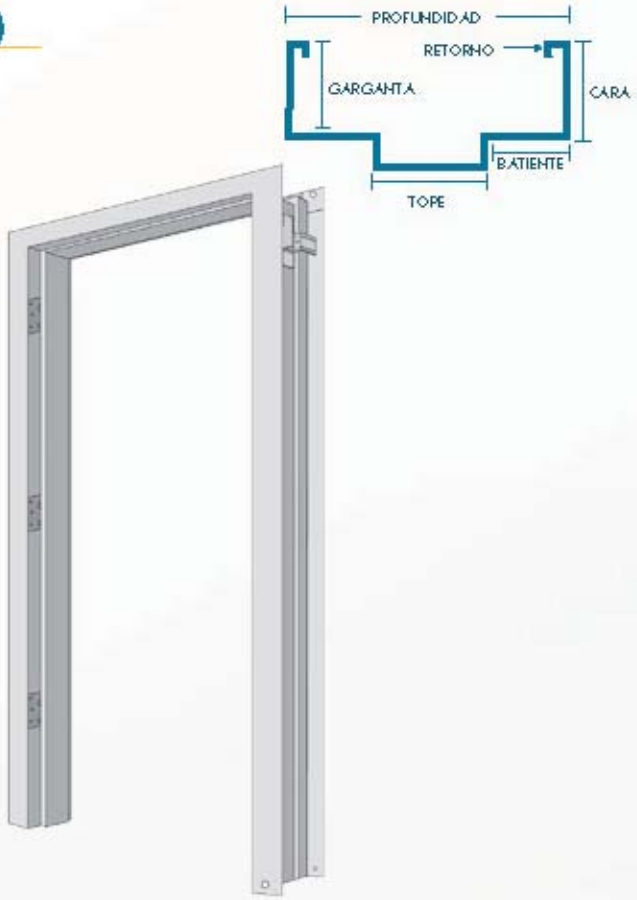


Fig. 1

Fig. 2

Fig. 3

Fig. 4

ESQUINAS: Ángulos exactos de 90° que crean una apariencia atractiva y uniforme. Fig. 1

PESTAÑAS: Sistema para sostener el marco de cuatro pestañas en cada esquina, proveé de la fuerza y soporte necesario. Fig. 2

ANCLAJE: Seguro de pierna ajustable para un anclaje firme. Adicionalmente dos perforaciones en la base de cada pierna ayudan a estabilizar el marco en la instalación.

REFUERZOS RESISTENTES: Refuerzos de una sola pieza soldados al marco para una máxima resistencia, en contra Fig.3 y en bisagras Fig.4. Refuerzos de 3 1/16" en todos los marcos de 1 3/4" para la máxima fuerza y resistencia a que se cuelgue la puerta.

TABLAS DE CLAROS

CONCRETO

CLARO REQUERIDO PARA LA INSTALACIÓN DE PUERTA Y MARCO EN CONCRETO

ANCHO PUERTA SENCILLA

MEDIDA DE PUERTAS		MEDIDA DE CLARO TOTAL REQUERIDA METROS
METROS	PIES	
0.61	2' 0"	0.715
0.71	2' 4"	0.815
0.76	2' 6"	0.865
0.81	2' 8"	0.915
0.885	2' 10"	0.97
0.915	3' 0"	1.02
1.015	3' 4"	1.12
1.07	3' 6"	1.175
1.12	3' 8"	1.225
1.17	3' 10"	1.275
1.22	4' 0"	1.325

ANCHO PUERTA DOBLE

MEDIDA DE PUERTAS		MEDIDA DE CLARO TOTAL REQUERIDA METROS
METROS	PIES	
1.22	4' 0"	1.325
1.42	4' 8"	1.525
1.525	5' 0"	1.69
1.625	5' 4"	1.78
1.73	5' 8"	1.885
1.83	6' 0"	1.955
2.065	6' 8"	2.14
2.135	7' 0"	2.24
2.235	7' 4"	2.34
2.34	7' 8"	2.445
2.44	8' 0"	2.545

ALTURA

MEDIDA DE PUERTAS		MEDIDA DE CLARO TOTAL REQUERIDA METROS
METROS	PIES	
2.035	6' 8"	2.08
2.135	7' 0"	2.19
2.185	7' 2"	2.24
2.44	8' 0"	2.495

TABLAROCA

CLARO REQUERIDO PARA LA INSTALACIÓN DE PUERTA Y MARCO DE EMBUTIR EN TABLAROCA

ANCHO PUERTA SENCILLA

MEDIDA DE PUERTAS		MEDIDA DE CLARO TOTAL REQUERIDA METROS
METROS	PIES	
0.61	2' 0"	0.66
0.71	2' 4"	0.76
0.76	2' 6"	0.81
0.81	2' 8"	0.86
0.885	2' 10"	0.915
0.915	3' 0"	0.965
1.015	3' 4"	1.065
1.07	3' 6"	1.12
1.12	3' 8"	1.17
1.17	3' 10"	1.22
1.22	4' 0"	1.27

ANCHO PUERTA DOBLE

MEDIDA DE PUERTAS		MEDIDA DE CLARO TOTAL REQUERIDA METROS
METROS	PIES	
1.22	4' 0"	1.27
1.42	4' 8"	1.47
1.525	5' 0"	1.575
1.625	5' 4"	1.675
1.73	5' 8"	1.78
1.83	6' 0"	1.88
2.065	6' 8"	2.085
2.135	7' 0"	2.185
2.235	7' 4"	2.285
2.34	7' 8"	2.39
2.44	8' 0"	2.49
3.05	10' 0"	3.10

ALTURA

MEDIDA DE PUERTAS		MEDIDA DE CLARO TOTAL REQUERIDA METROS
METROS	PIES	
2.035	6' 8"	2.09
2.135	7' 0"	2.19
2.185	7' 2"	2.24
2.44	8' 0"	2.495

TECHNICAL DATA SHEET DS-201-1

STANDARD STEEL FRAMES

SPECIFICATIONS
MESKER STANDARD STEEL FRAMES

1. Frames shall be manufactured by Mesker Door Incorporated and designated as F-416 (16 GA) or F-414 (14 GA) for 1 3/4" doors, F-412 for Bullet Resistant Frames and F-816 (16 GA) for 1 3/8" doors.

2. Frames shall be fabricated from cold rolled or A60 galvannealed steel.

3. Frames shall be furnished knocked down. Mitered corners shall have a strong four tab interlocking system to maintain tight fineline miters.

4. Frames for 1 3/4" doors shall be prepared for a 4 1/2" x 4 1/2" standard or heavy weight template hinges and ANSI 115.1 universal strike.

5. Frames for 1 3/8" doors shall be prepared for 3 1/2" x 3 1/2" standard weight template hinges and ANSI 115.3 cylindrical strike.

6. Frames are standard with 7 gauge hinge reinforcements.

7. Frames shall be adequately reinforced for all hardware.

8. Strike and hinge reinforcements shall be protected by plaster guards.

9. Frames shall be supplied with 1 sill anchor.

10. Frames shall be furnished with rubber mutes, three per strike jamb.

11. Frames shall receive 1 coat of baked-on rust inhibitive gray primer.

12. For installation instructions see ANSI A250.11-2001.

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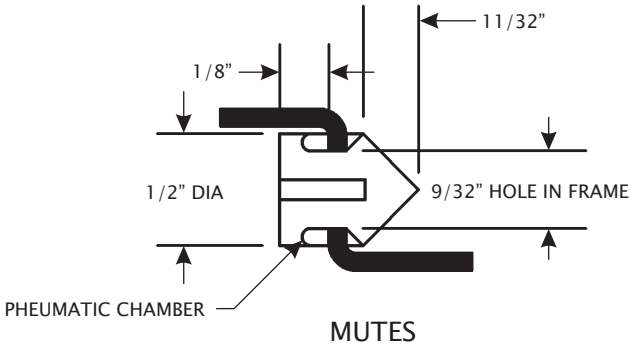
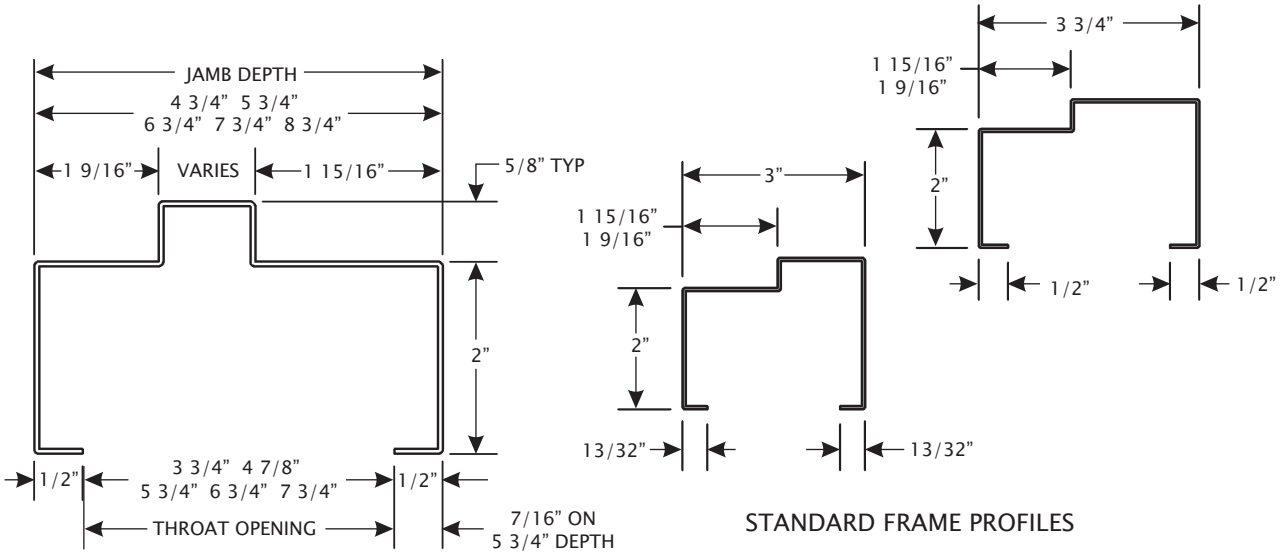
TECHNICAL DATA SHEET DS-201-2



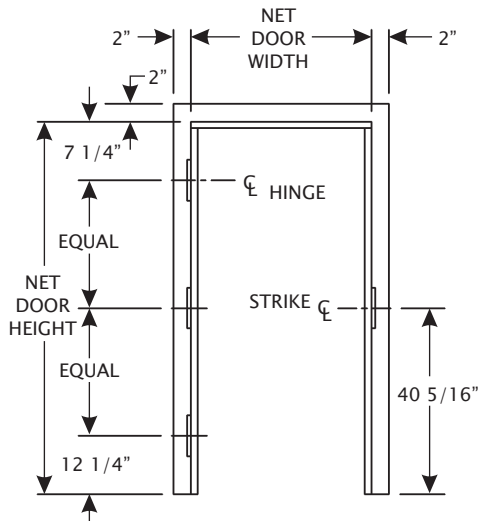
MUTES

TO INSTALL IN FIELD INSERT BLUNT END OF 3/32" DIAMETER WIRE OR TOOL INTO THE HOLE IN CENTER OF THE MUTE. MOISTEN CONE PORTIONS AND INSERT INTO 9/32" HOLE IN STOP OF FRAME, PUSH SLOWLY WITH A CIRCULAR MOTION TO ELONGATE CONICAL PORTION SUFFICIENTLY TO SET MUTE IN PLACE.



STANDARD FRAME PROFILES

FINISHED OPENING HEIGHT	FINISHED OPENING WIDTH		FRAME DIMENSIONS	
	SINGLE	DOUBLE	JAMB DEPTH	THROAT OPENING
	2'-0"	4'-0"		
	2'-4"	4'-8"	3"	2 3/16"
6'-8"	2'-6"	5'-0"	3 3/4"	2 3/4"
7'-0"	2'-8"	5'-4"	4 3/4"	3 3/4"
7'-2"	3'-0"	6'-0"	5 3/4"	4 7/8"
8'-0"	3'-6"	7'-0"	7 3/4"	6 3/4"
	3'-8"	7'-4"	8 3/4"	7 3/4"
	4'-0"	8'-0"		



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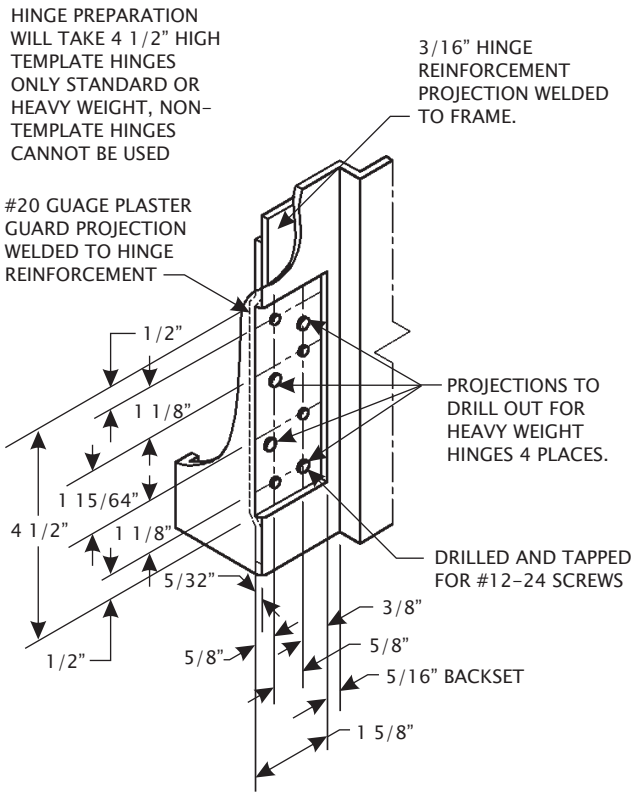
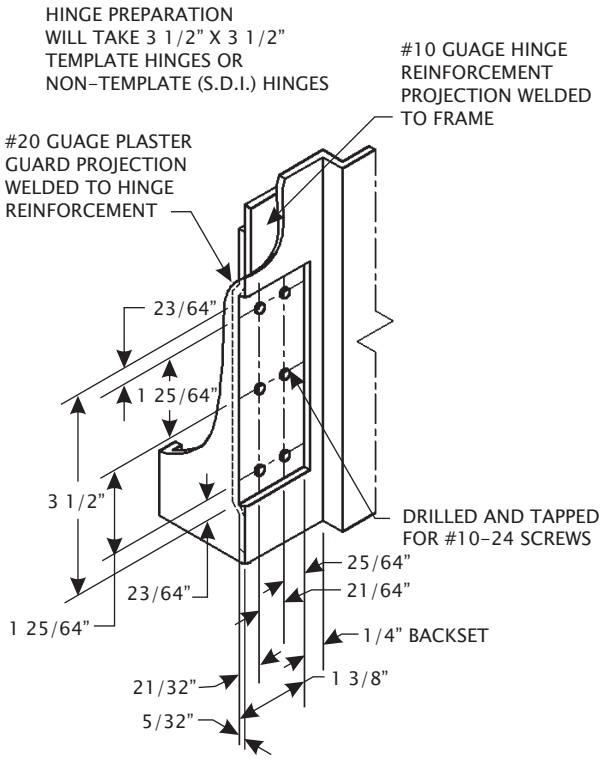
MESKER

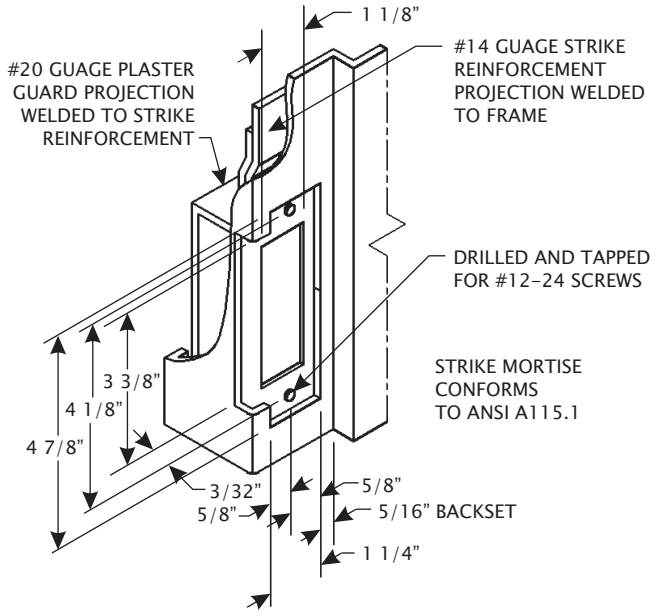
TECHNICAL DATA SHEET DS-201-3



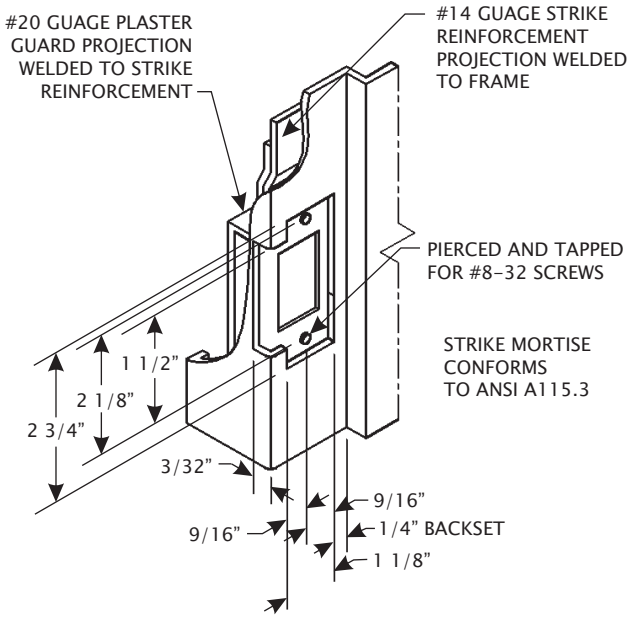
STANDARD 4 1/2" HINGE MORTISE
FOR 1 3/4" FRAMES



STANDARD 3 1/2" HINGE MORTISE
FOR 1 3/8" FRAMES



"U" STRIKE MORTISE

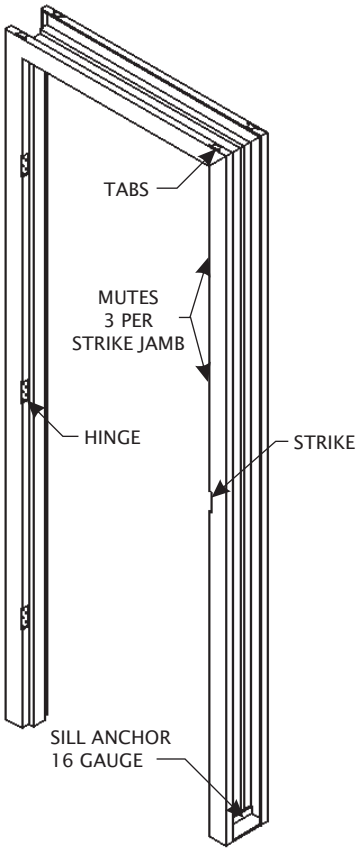


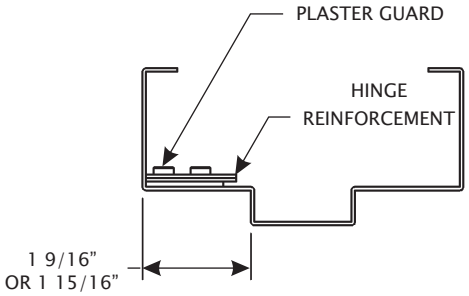
"C" STRIKE MORTISE

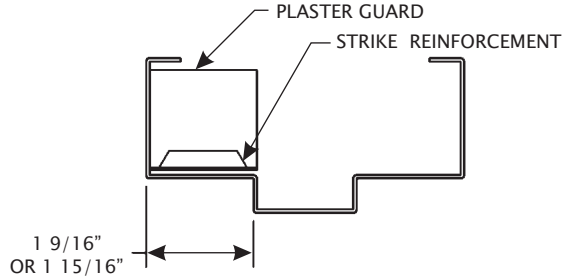
Issue Date: November 2002

MESKER

TECHNICAL DATA SHEET DS-201-4







GENERAL INFORMATION

STRIKE PREPARATIONS

Frames are prepared for 4 7/8" high universal strike (ANSI 115.1) specify "U" and 2 3/4" high cylindrical strike (ANSI 115.3) specify "C".

HINGE PREPARATIONS

Frames for 1 3/4" doors are prepared for 4 1/2" x 4 1/2" standard or heavy weight template hinges. 1 1/2" pair on doors up to 7'-2" in height and 2 pair on 7'-10" and 8'-0".

Frames for 1 3/8" doors are prepared for 3 1/2" x 3 1/2" standard weight template hinges. 1 pair on 6'-8" doors and 1 1/2" pair on 7'-0" and 7'2" doors. U/L labeled frames have 1 1/2" pair on all sizes.

ANCHORS

Anchors must be specified to correspond with wall condition. Details are shown on the following data sheets:

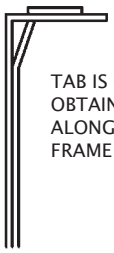
- Wire Anchor - DS 246
- Masonry Tee Anchor - DS 242
- Wood and Steel Stud Anchor - DS 243
- U/L Labeled Masonry Anchor - DS 241
- Existing Wall Anchor - DS 245

SILL ANCHORS

Each jamb is supplied with 1-16 gauge sill anchor.

MUTES

Each frame is furnished with rubber mutes. Three per strike jamb.



SECTION THRU TAB

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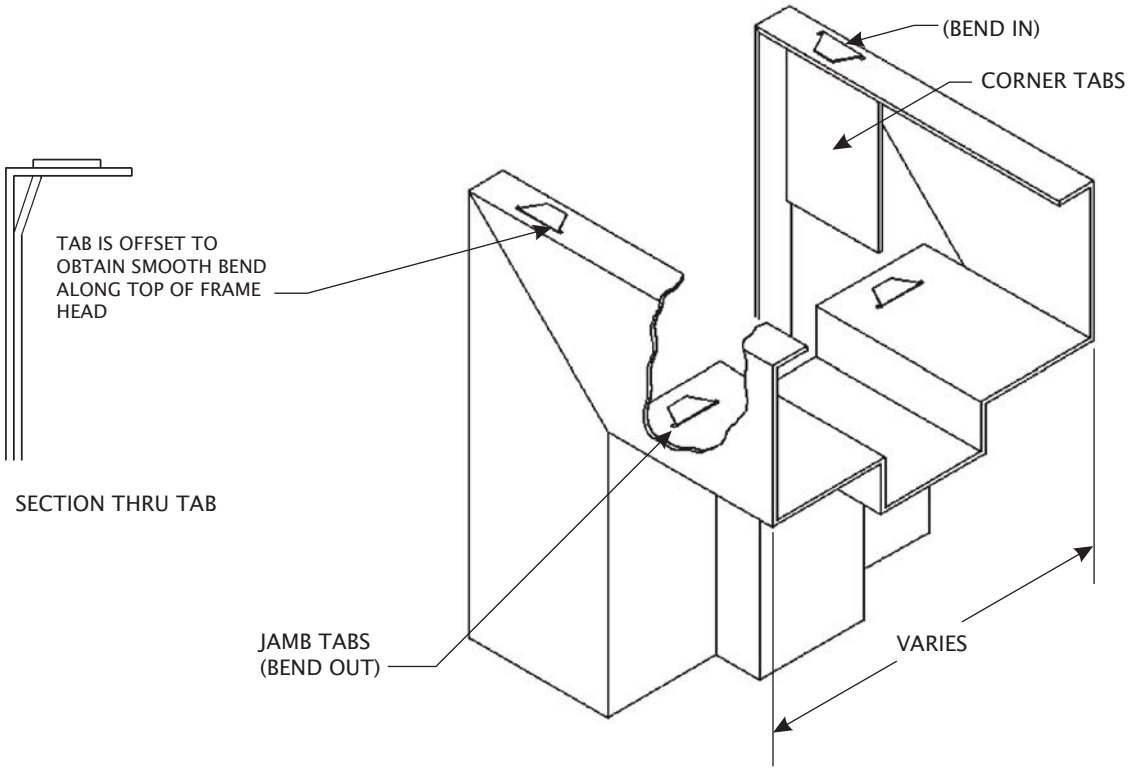
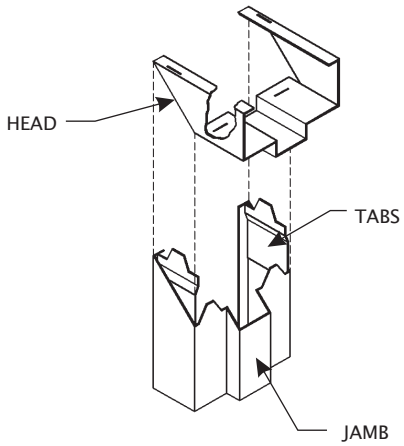
MESKER

TECHNICAL DATA SHEET DS-201-5

F-SERIES ASSEMBLY INSTRUCTION

1. Slide header over jamb corner tabs, insert into slots.
2. Bend tabs on jamb rabbets out per illustration. (NOTE: Bending tabs in will increase door opening dimension.)
3. Bend corner tabs in per illustration.





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MESKER

TECHNICAL DATA SHEET DS-202-1

DJ SERIES
STANDARD STEEL
DRYWALL FRAMES

SPECIFICATIONS

MESKER STANDARD STEEL DRYWALL FRAMES

1. Frames shall be manufactured by Mesker Door Incorporated and designated as FDJ416 (16 GA) for 1 3/4" doors, and as FDJ816 (16GA) for 1 3/8" doors.

2. Frames shall be fabricated from cold rolled or A60 galvannealed steel as called for on plans.

3. Frames shall be knocked down construction. Frames shall be furnished with two (2) adjustable jamb lock mechanisms. Two (2) dimpled holes at the base of each jamb to stabilize the frame at installation.

4. Frames for 1 3/4" doors shall be prepared for 4 1/2" x 4 1/2" standard or heavy weight template hinges and ANSI 115.1 universal strike.

5. Frames for 1 3/8" doors shall be prepared for 3 1/2" x 3 1/2" standard weight template hinges and ANSI 115.3 cylindrical strike.

6. Frames shall be adequately reinforced for all hardware.

7. Frames shall be furnished with rubber mutes, three per strike jamb.

8. Frames shall receive 1 coat of baked-on rust inhibitive gray primer.

9. For installation instructions see DS-202-5.

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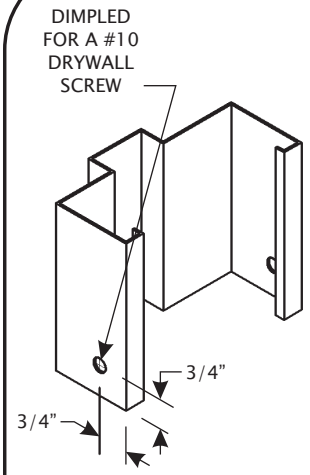
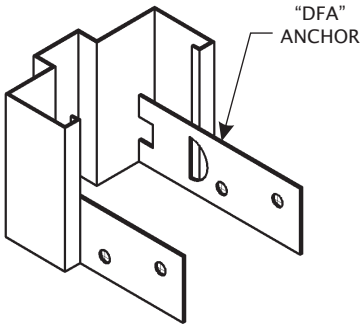
MESKER

TECHNICAL DATA SHEET DS-202-2

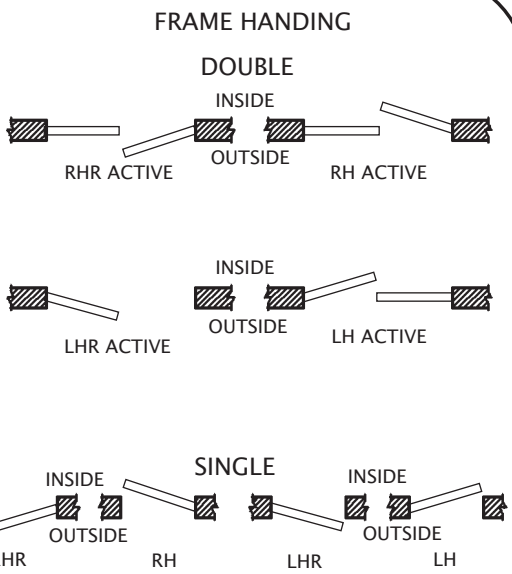


STANDARD

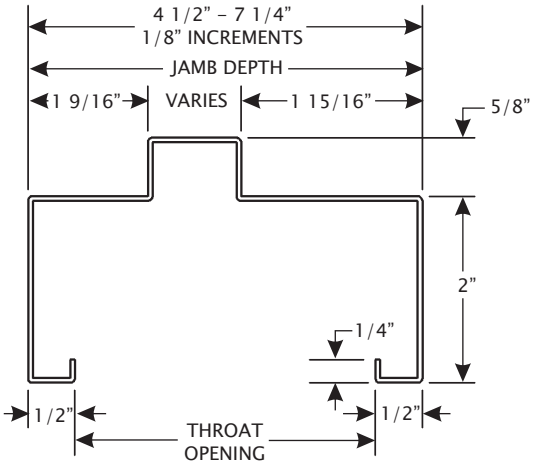


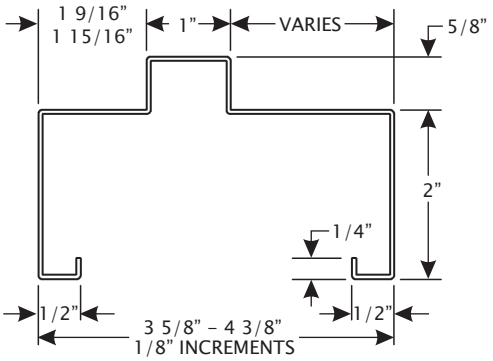
OPTIONAL

FRAME HANDING

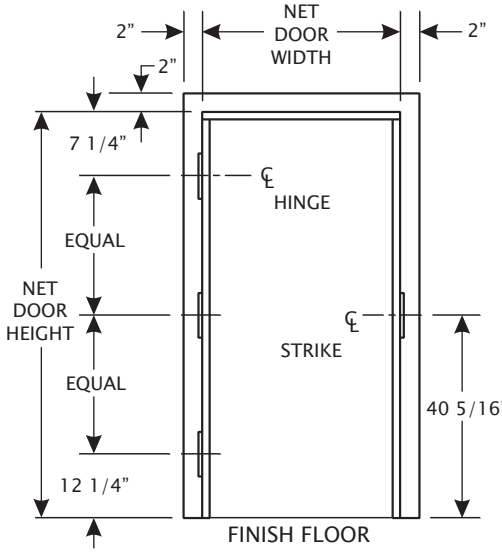


STANDARD FRAME PROFILES





STANDARD SIZES				
FINISHED OPENING HEIGHT	FINISHED OPENING WIDTH		FRAME DIMENSIONS	
	SINGLE	DOUBLE	JAMB DEPTH	THROAT OPENING
	2'–0"	4'–0"		
	2'–4"	4'–8"		
6'–8"	2'–6"	5'–0"	4 1/2"	3 1/2"
7'–0"	2'–8"	5'–4"	5 5/8"	4 5/8"
7'–2"	3'–0"	6'–0"	5 7/8"	4 7/8"
	3'–4"	6'–8"		
	3'–6"	7'–0"		
	3'–8"			
	4'–0"			

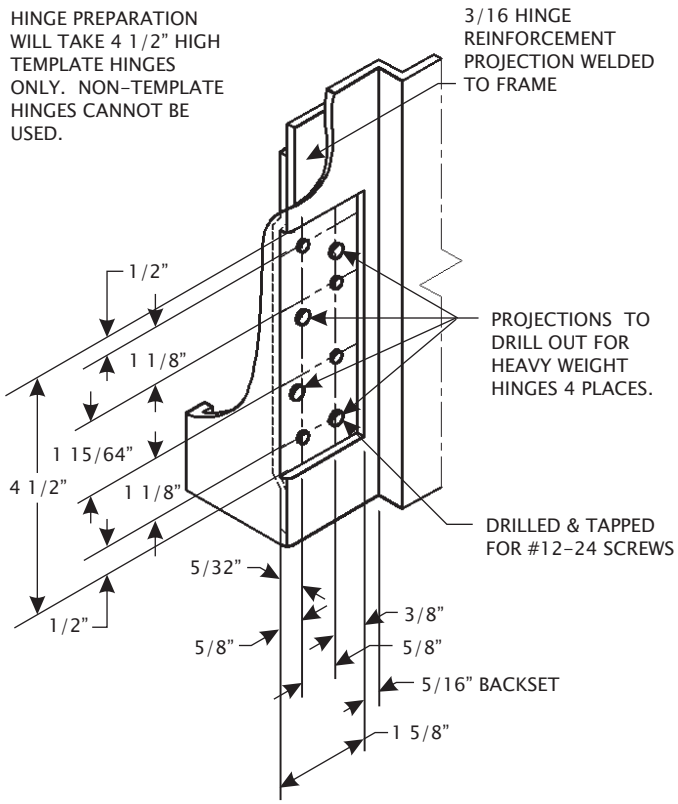


Issue Date: November 2002

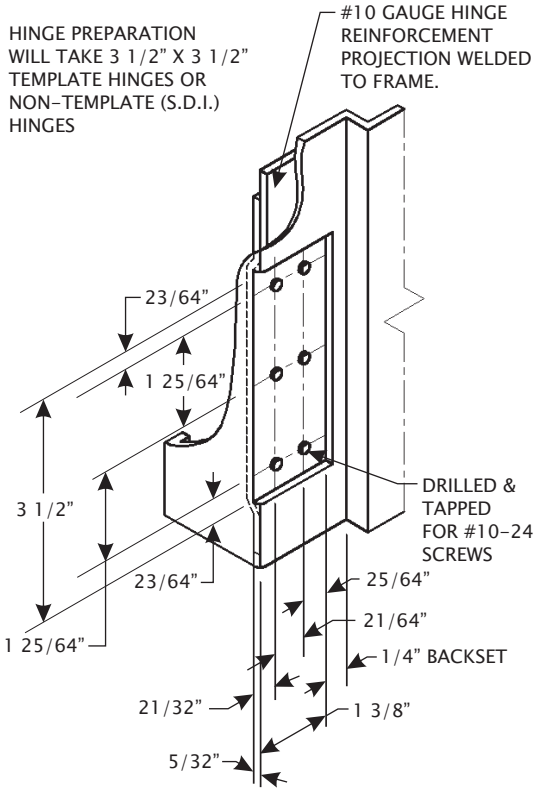
MESKER

TECHNICAL DATA SHEET DS-202-3

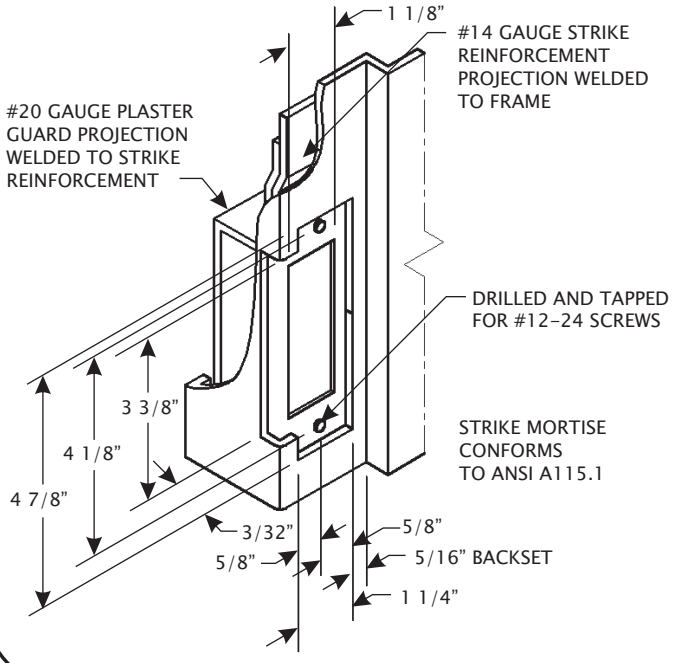
STANDARD 4 1/2" HINGE MORTISE FOR 1 3/4" FRAMES



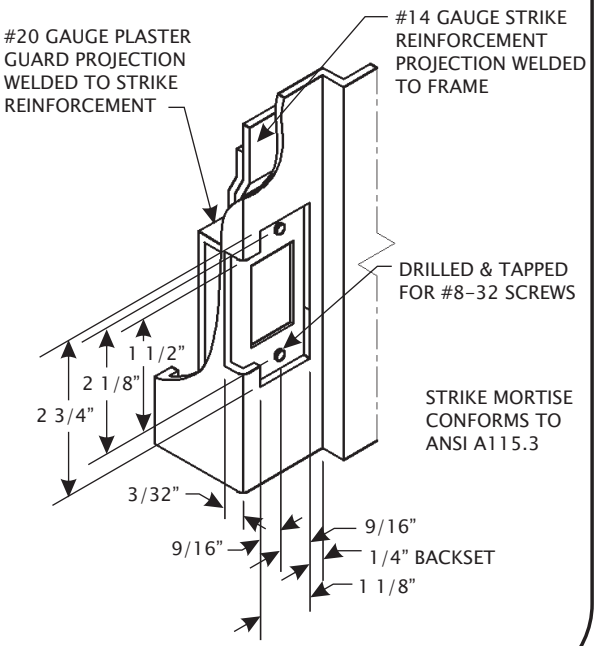
STANDARD 3 1/2" HINGE MORTISE FOR 1 3/8" FRAMES



"U" STRIKE MORTISE



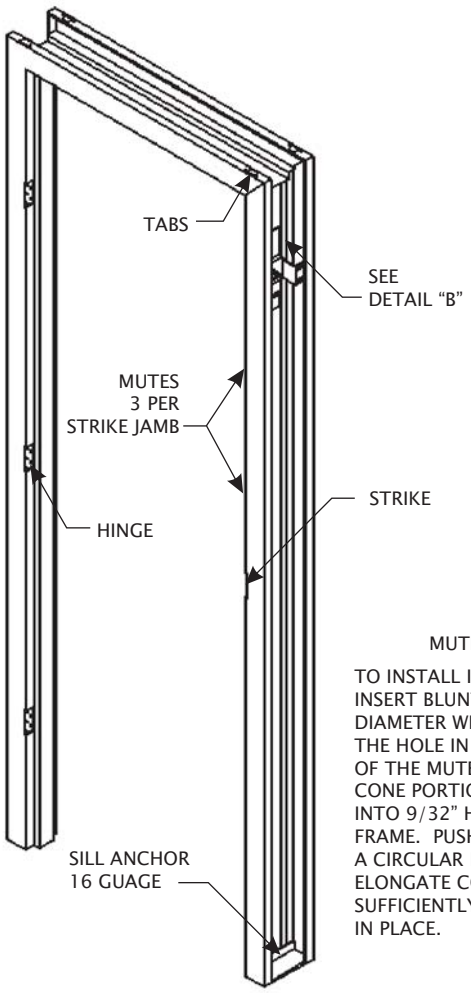
"C" STRIKE MORTISE



Issue Date: November 2002

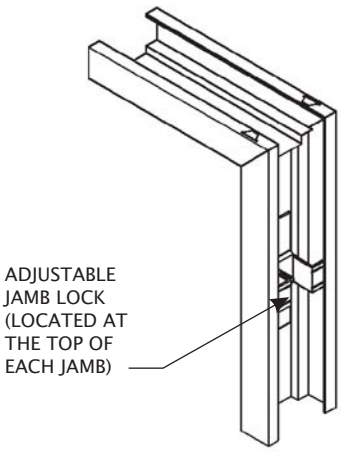
MESKER

TECHNICAL DATA SHEET DS-202-4



MUTES

TO INSTALL IN FIELD:
INSERT BLUNT END OF 3/32" DIAMETER WIRE OR TOOL INTO THE HOLE IN CENTER OF THE MUTE. MOISTEN CONE PORTIONS AND INSERT INTO 9/32" HOLE IN STOP OF FRAME. PUSH SLOWLY WITH A CIRCULAR MOTION TO ELONGATE CONICAL PORTION SUFFICIENTLY TO SET MUTE IN PLACE.



DETAIL "B"
ADJUSTABLE JAMB LOCK

GENERAL INFORMATION

STRIKE PREPARATION – Frames are prepared for 4 7/8" high universal strike (ANSI 115.1) specify "U" and 2 3/4" high cylindrical strike (ANSI 115.3) specify "C".

HINGE PREPARATIONS – Frames for 1 3/4" doors are prepared for 4 1/2" x 4 1/2" standard weight template hinges 1 1/2" pair on doors up to 7'2" in height. 2 pair on 7'10" and 8'0".

Frames for 1 3/8" doors are prepared for 3 1/2" x 3 1/2" standard weight template hinges. 1 pair on 6'8" doors and 1 1/2" pair on 7'0" and 7'2" doors.

ANCHORS – The Mesker DJ Series Drywall Frame is stabilized with two (2) adjustable jamb locks, located near the top of each jamb. There are two (2) sill anchors available. The stocked frame has the faces dimpled for a #10 drywall screw. The "DFA" anchor can be provided as an extra cost option.

MUTES – Each frame is furnished with rubber mutes. Three per strike jamb.

ROUGH OPENING DIMENSIONS – Add to door opening dimensions: 1 7/8" to width and 1 1/2" to height, i.e. for a 3068 door frame, the rough opening is 37 7/8 x 81 1/2".

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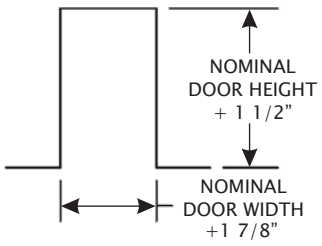
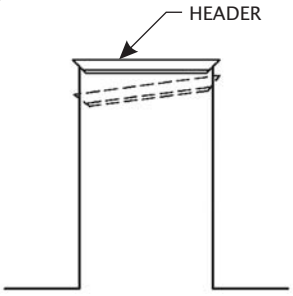
TECHNICAL DATA SHEET DS-202-5

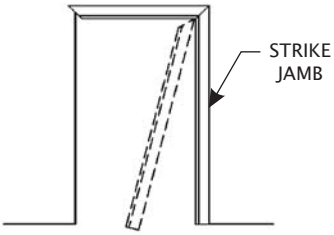
SERIES FDJ416 DRYWALL FRAME INSTALLATION

① 

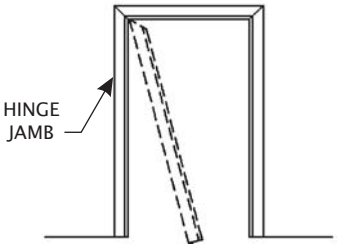
ADD TO DOOR OPENING DIMENSIONS: 1 7/8" TO WIDTH AND 1 1/2" TO HEIGHT. FOR A 3068 DOOR FRAME, THE ROUGH OPENING IS 37 7/8" X 81 1/2".

② 

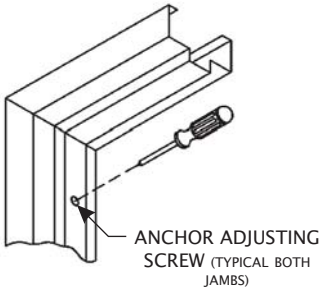
INSTALL HEADER INTO POSITION APPROX. 1" FROM TOP AND IN THE CENTER OF THE ROUGH OPENING.

③ 

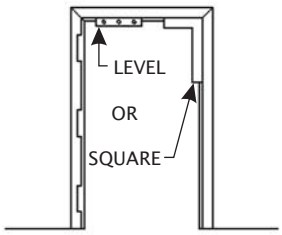
INSTALL STRIKE JAMB BY SLIDING OVER WALL AT TOP AND ENGAGING CORNER REINFORCING INTO HEADER. PIVOT JAMB INTO PLACE.

④ 

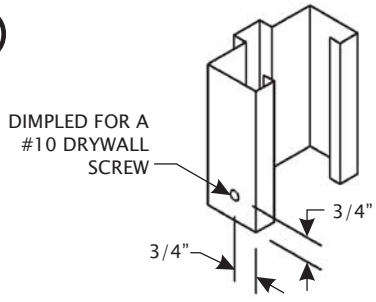
REPEAT STEP #3 WITH HINGE JAMB. PULL HEADER DOWN TIGHTLY ONTO JAMBS. LOCK HEADER AND JAMB TOGETHER BY BENDING OVER EXPOSED TABS.

⑤ 

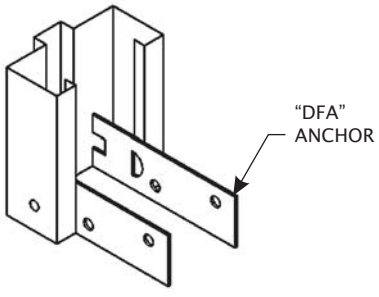
TURN ADJUSTING SCREWS IN BOTH JAMBS COUNTERCLOCKWISE UNTIL ANCHOR IS RESTING AGAINST THE WALL.

⑥ 

IF FEASIBLE, HANG DOOR NOW AND ADJUST FRAME ON WALL TO ALLOW PROPER DOOR/FRAME CLEARANCES OR PLUMB FRAME WITH CARPENTER SQUARE AND/OR LEVEL. (ADJUST HEADER LEVELNESS BY SHIMMING UNDER JAMBS.)

⑦ 

CHECK DOOR OPENING DIMENSION AT BASE OF FRAME (SAME DIMENSION AS BETWEEN JAMBS AT HEADER.) SECURE JAMBS WITH DRYWALL SCREW (NOT FURNISHED) THROUGH PUNCHED HOLE AT BASE OF FRAME. BE SURE TO ATTACH SCREWS ON EACH SIDE OF JAMBS (4 PLACES.)

⑦ ALT. 

CHECK DOOR OPENING DIMENSION AT BASE OF FRAME (SAME DIMENSION AS BETWEEN JAMBS AT HEADER.) SECURE JAMBS WITH DRYWALL SCREWS (NOT FURNISHED) THROUGH SILL ANCHOR. (NOTE: SPECIFY ON YOUR ORDER IF THIS METHOD OF ATTACHMENT IS REQUIRED.)

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