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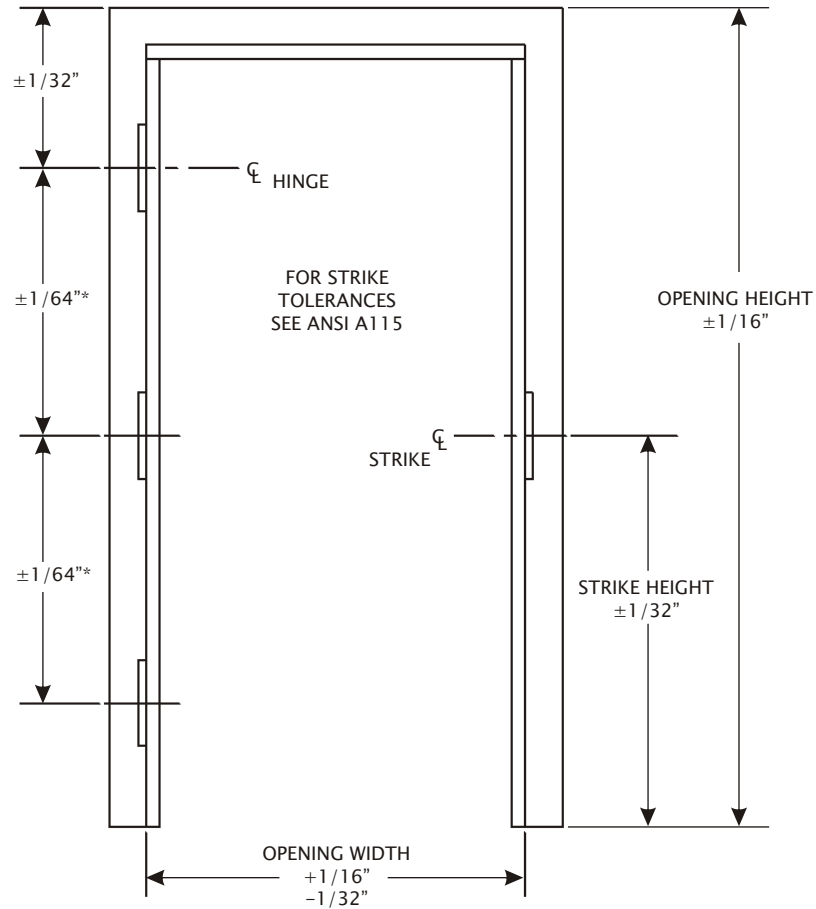
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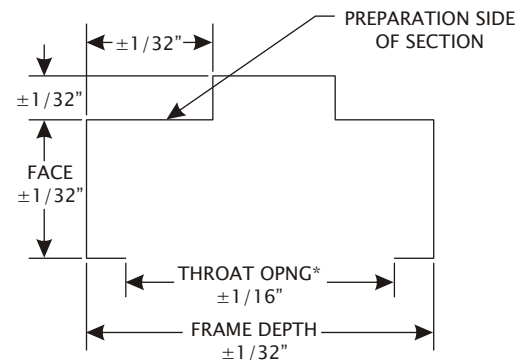
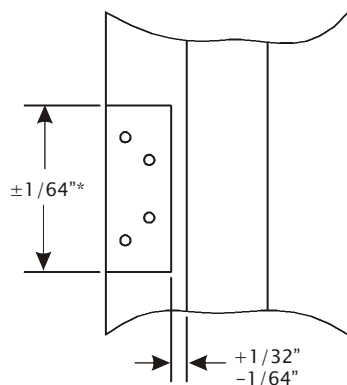
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## FRAME TOLERANCES



### HINGE PREPARATION



\* TOLERANCES BETWEEN HINGE CENTERLINES ARE NON-ACCUMULATIVE

\*\*BASED ON NOMINAL HINGE HEIGHT  $+1/32"$

\*THROAT OPNG -- SLIPON DRYWALL  $\pm 1/32"$

## STANDARD STEEL FRAMES

### SPECIFICATIONS

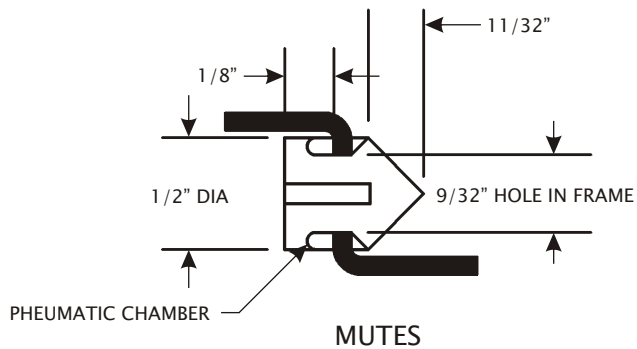
#### MESKER STANDARD STEEL FRAMES

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 galvanized 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 shall be adequately reinforced for all hardware.
7. Strike and hinge reinforcements shall be protected by plaster guards.
8. Frames shall be supplied with 1 sill anchor.
9. Frames shall be furnished with rubber mutes, three per strike jamb.
10. Frames shall receive 1 coat of baked-on rust inhibitive gray primer.
11. For installation instructions see ANSI A250.11-2001 and DS-201-5.

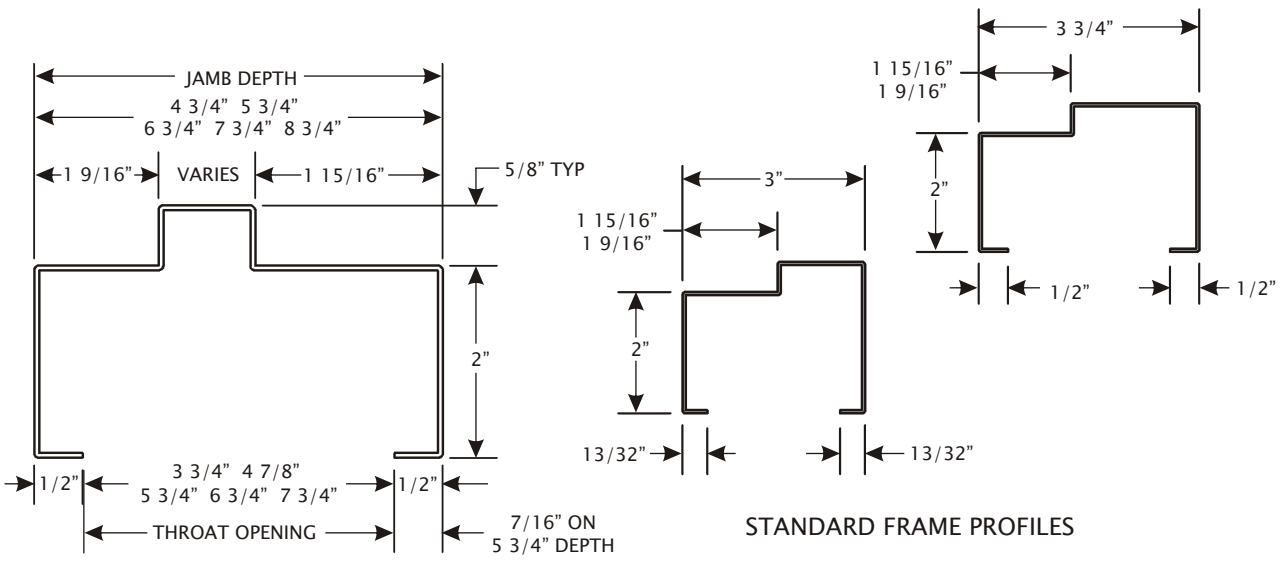


# TECHNICAL DATA SHEET

**DS-201-2**

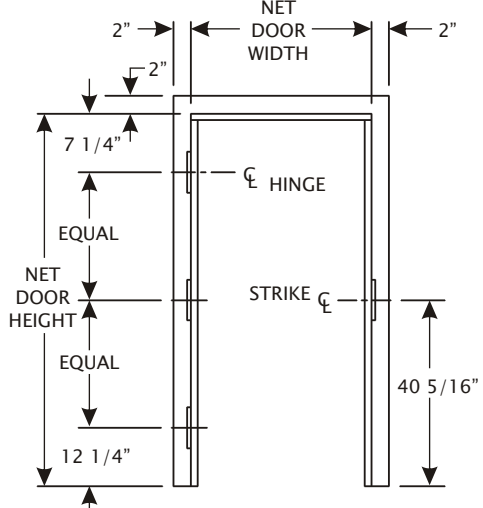


TO INSTALL IN FIELD INSERT BLUNT END OF 3/32" DIAMETER WIRE OR TOOL INTO THE HOLE IN CENTER OF THE MUTE. MOISTEN CONE PORTIONS AND INSERT INTO 9/32" HOLE IN STOP OF FRAME, PUSH SLOWLY WITH A CIRCULAR MOTION TO ELONGATE CONICAL PORTION SUFFICIENTLY TO SET MUTE IN PLACE.



STANDARD FRAME PROFILES

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



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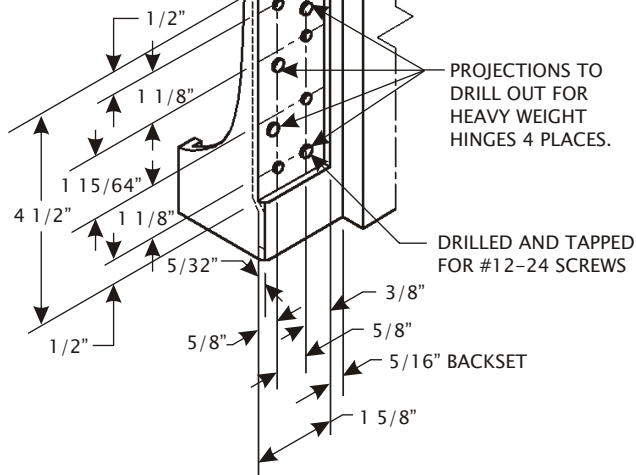
**MESKER**  
www.meskerdoor.com  
256-851-6670, 256-852-5846

# TECHNICAL DATA SHEET

**DS-201-3**

HINGE PREPARATION WILL TAKE 4 1/2" HIGH TEMPLATE HINGES ONLY STANDARD OR HEAVY WEIGHT, NON-TEMPLATE HINGES CANNOT BE USED

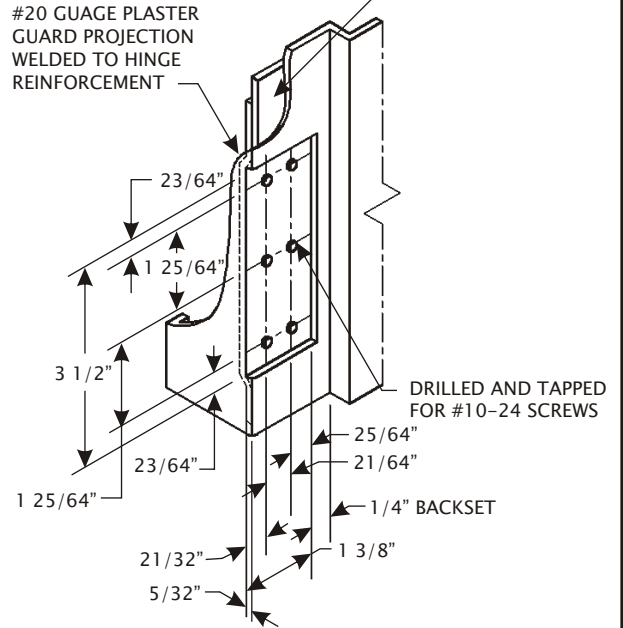
#20 GAUGE PLASTER GUARD PROJECTION WELDED TO HINGE REINFORCEMENT



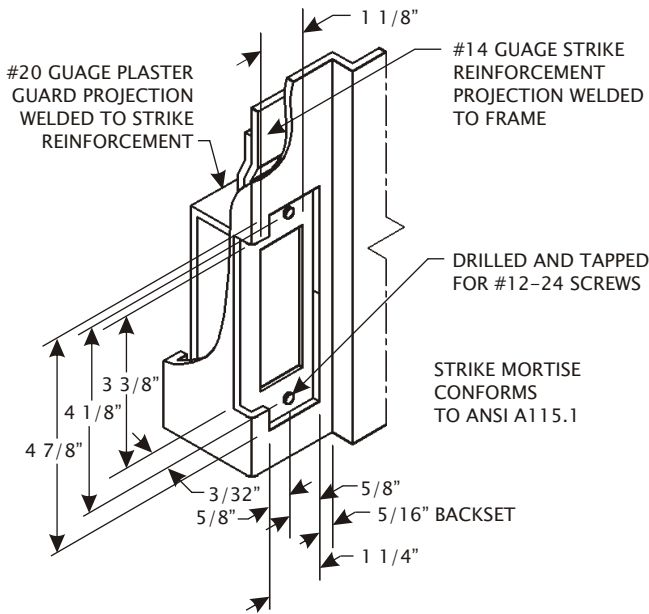
STANDARD 4 1/2" HINGE MORTISE FOR 1 3/4" FRAMES

HINGE PREPARATION WILL TAKE 3 1/2" X 3 1/2" TEMPLATE HINGES OR NON-TEMPLATE (S.D.I.) HINGES

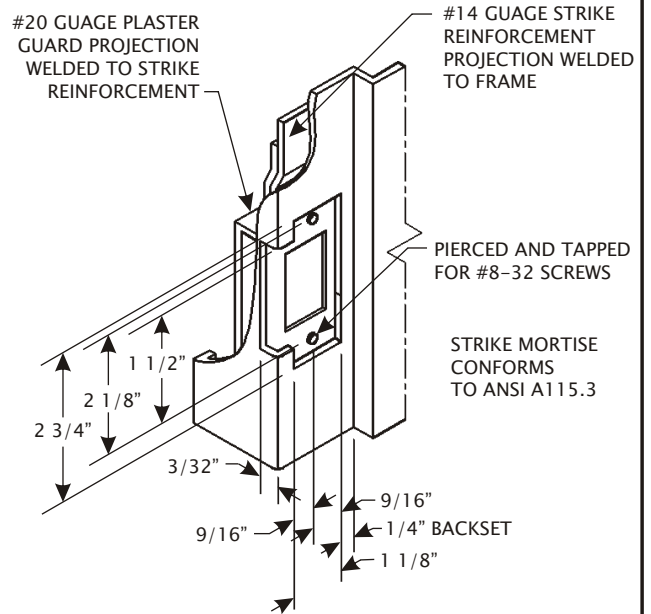
#10 GAUGE HINGE REINFORCEMENT PROJECTION WELDED TO FRAME



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



"U" STRIKE MORTISE



"C" STRIKE MORTISE

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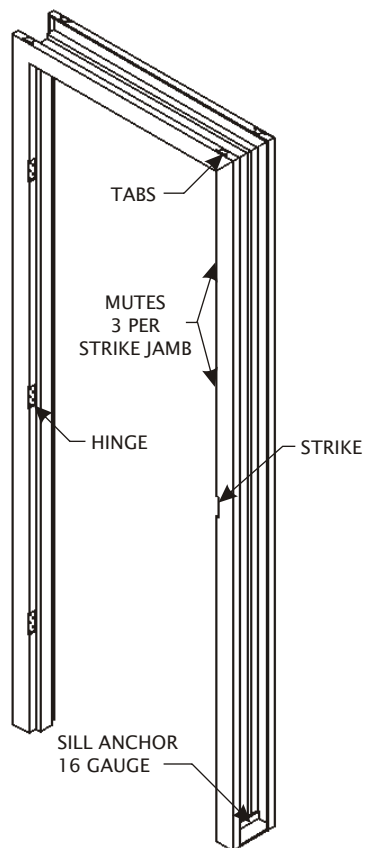


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# TECHNICAL DATA SHEET

**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:

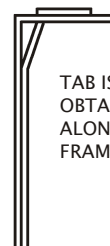
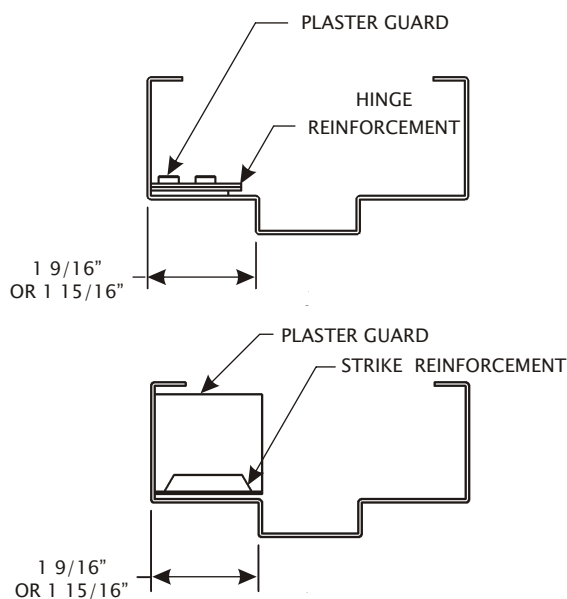
- Wire Anchor - DS 246
- Masonry Tee Anchor - DS 242
- Wood and Steel Stud Anchor - DS 243
- U/L Labeled Masonry Anchor - DS 241
- Existing Wall Anchor - DS 245

### 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

TAB IS OFFSET TO OBTAIN SMOOTH BEND ALONG TOP OF FRAME HEAD.

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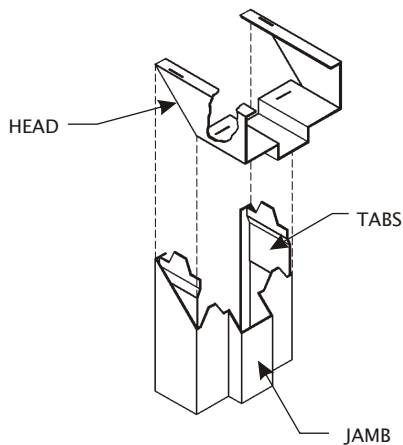
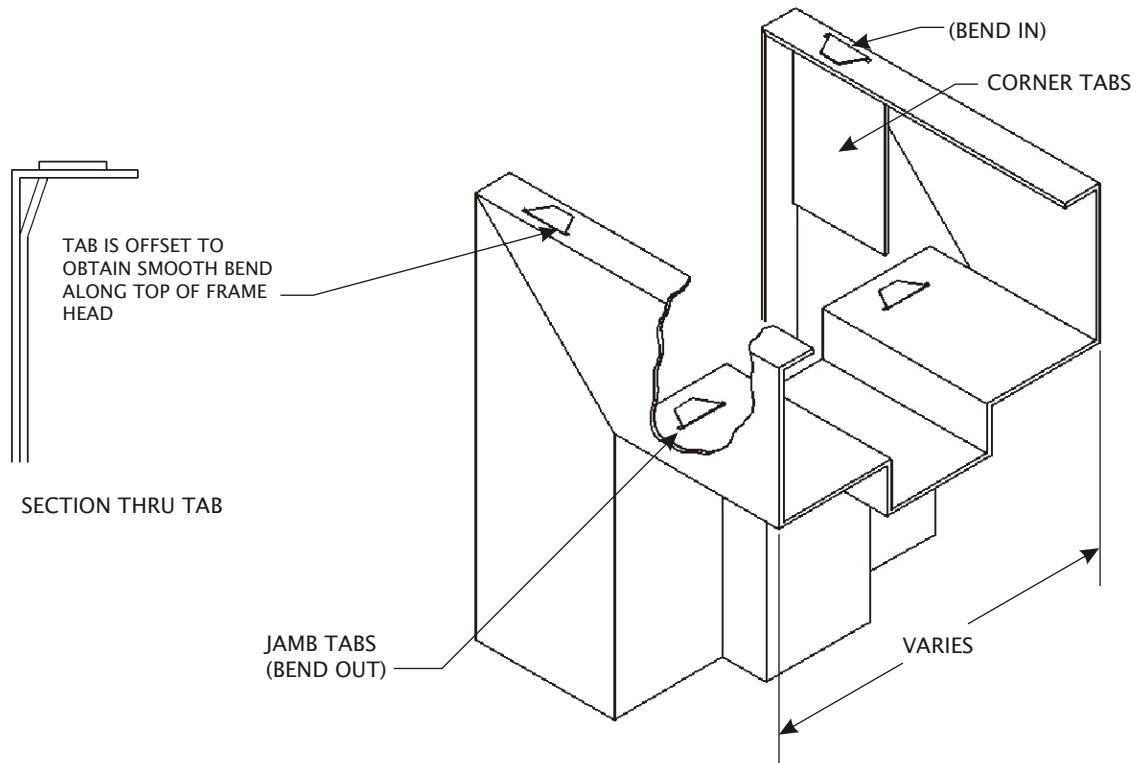


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## F-SERIES ASSEMBLY INSTRUCTION

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.



## DJ SERIES STANDARD STEEL DRYWALL FRAMES

### SPECIFICATIONS

#### MESKER STANDARD STEEL DRYWALL FRAMES

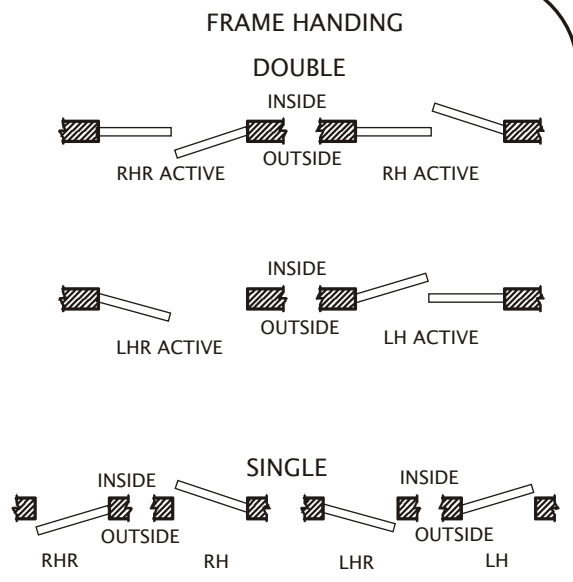
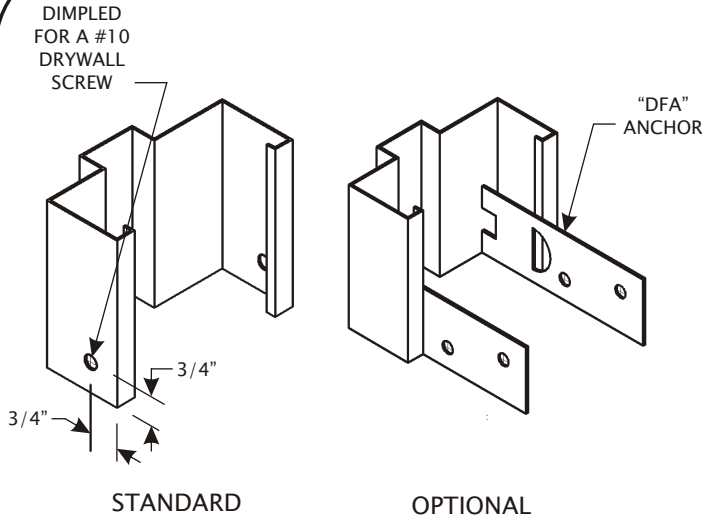
1. Frames shall be manufactured by Mesker Door Incorporated and designated as FDJ416 (16 GA) for 1 3/4" doors, and as FDJ816 (16GA) for 1 3/8" doors.
2. Frames shall be fabricated from cold rolled or A60 galvanized steel as called for on plans.
3. Frames shall be knocked down construction. Frames shall 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.



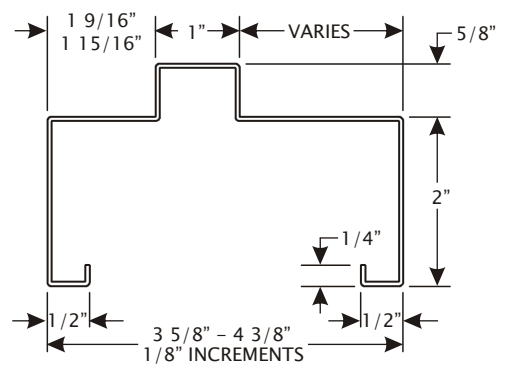
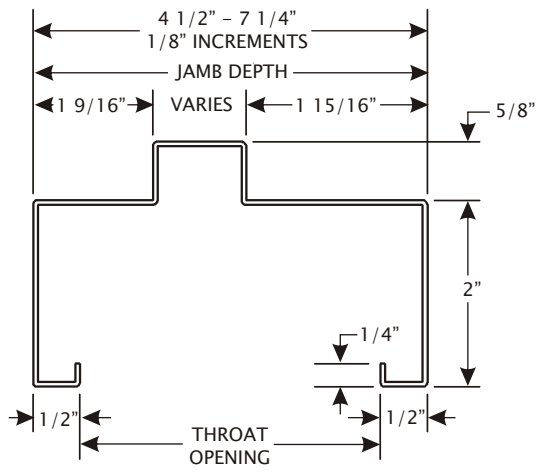


# TECHNICAL DATA SHEET

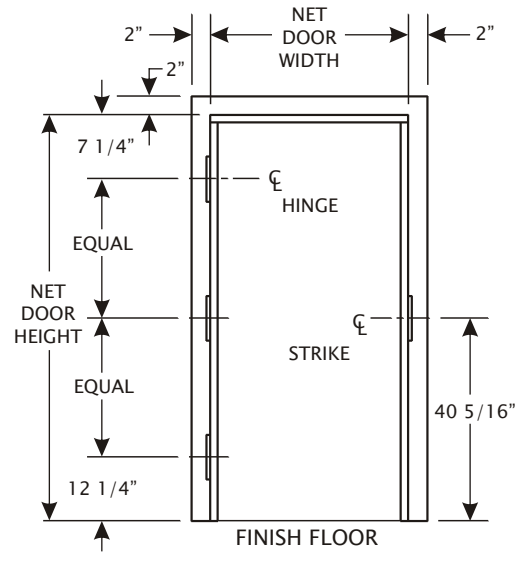
**DS-202-2**



## STANDARD FRAME PROFILES



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



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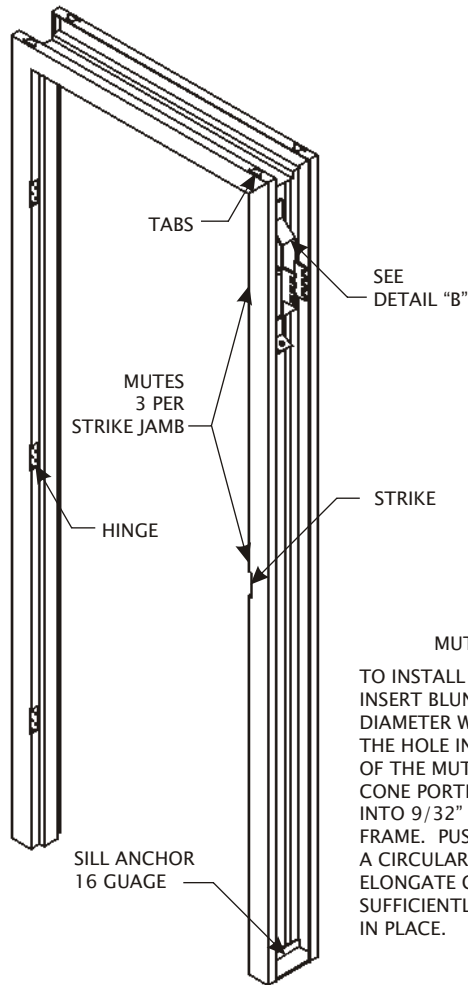
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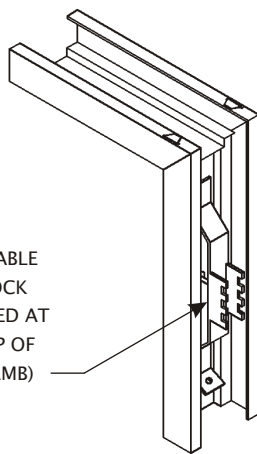
# TECHNICAL DATA SHEET

**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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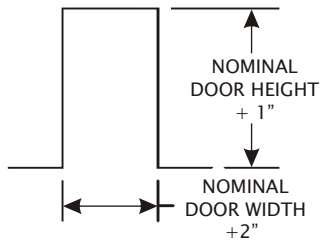


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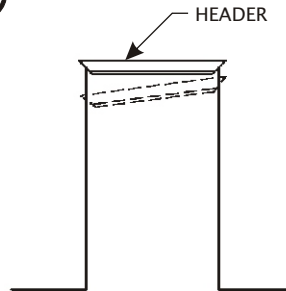
## SERIES FDJ416 DRYWALL FRAME INSTALLATION

①



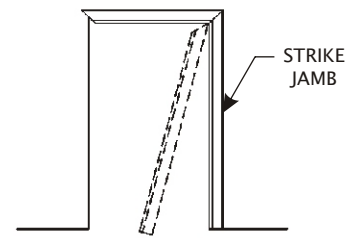
ADD TO DOOR OPENING DIMENSIONS:  
2" TO WIDTH AND 1" TO HEIGHT. FOR  
A 3068 DOOR FRAME, THE ROUGH  
OPENING IS 38" X 81".

②



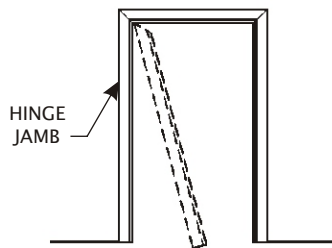
INSTALL HEADER INTO POSITION  
APPROX. 1" FROM TOP AND IN THE  
CENTER OF THE ROUGH OPENING.

③



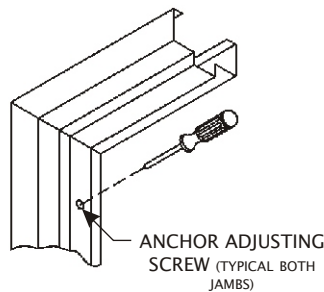
INSTALL STRIKE JAMB BY SLIDING OVER  
WALL AT TOP AND ENGAGING CORNER  
REINFORCING INTO HEADER. PIVOT  
JAMB INTO PLACE.

④



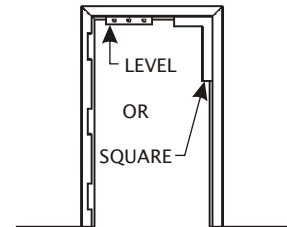
REPEAT STEP #3 WITH HINGE JAMB. PULL  
HEADER DOWN TIGHTLY ONTO JAMBS. LOCK  
HEADER AND JAMB TOGETHER BY BENDING  
OVER EXPOSED TABS.

⑤



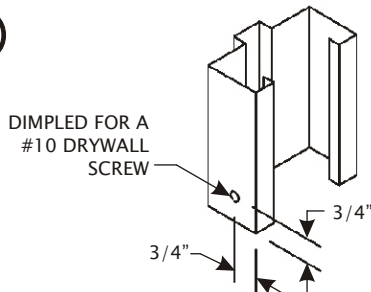
TURN ADJUSTING SCREWS IN BOTH JAMBS  
COUNTERCLOCKWISE UNTIL ANCHOR IS  
RESTING AGAINST THE WALL.

⑥



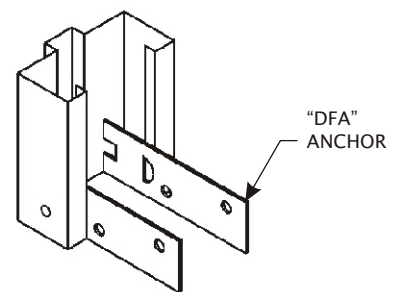
IF FEASIBLE, HANG DOOR NOW AND  
ADJUST FRAME ON WALL TO ALLOW  
PROPER DOOR/FRAME CLEARANCES OR  
PLUMB FRAME WITH CARPENTER SQUARE  
AND/OR LEVEL. (ADJUST HEADER  
LEVELNESS BY SHIMMING UNDER JAMBS.)

⑦



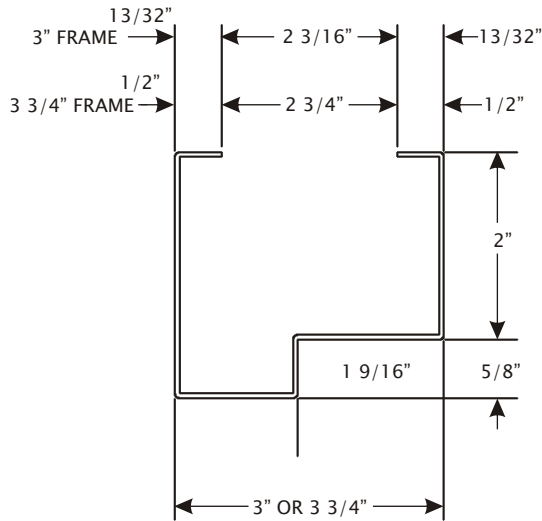
CHECK DOOR OPENING DIMENSION AT BASE OF FRAME  
(SAME DIMENSION AS BETWEEN JAMBS AT HEADER.) SECURE  
JAMBS WITH DRYWALL SCREW (NOT FURNISHED) THROUGH  
PUNCHED HOLE AT BASE OF FRAME. BE SURE TO ATTACH  
SCREWS ON EACH SIDE OF JAMBS (4 PLACES.)

⑦ ALT.

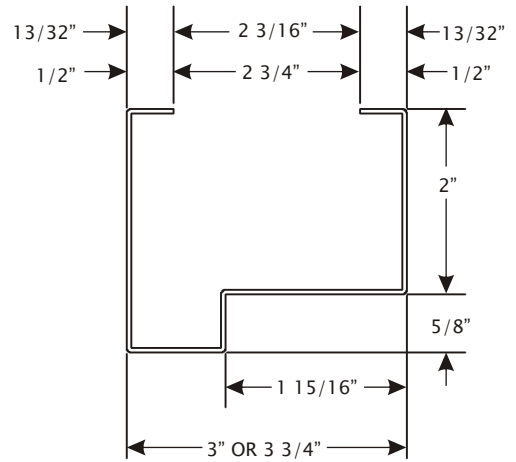


CHECK DOOR OPENING DIMENSION AT BASE OF FRAME (SAME  
DIMENSION AS BETWEEN JAMBS AT HEADER.) SECURE  
JAMBS WITH DRYWALL SCREWS (NOT FURNISHED) THROUGH  
SILL ANCHOR. (NOTE: SPECIFY ON YOUR ORDER IF THIS  
METHOD OF ATTACHMENT IS REQUIRED.)

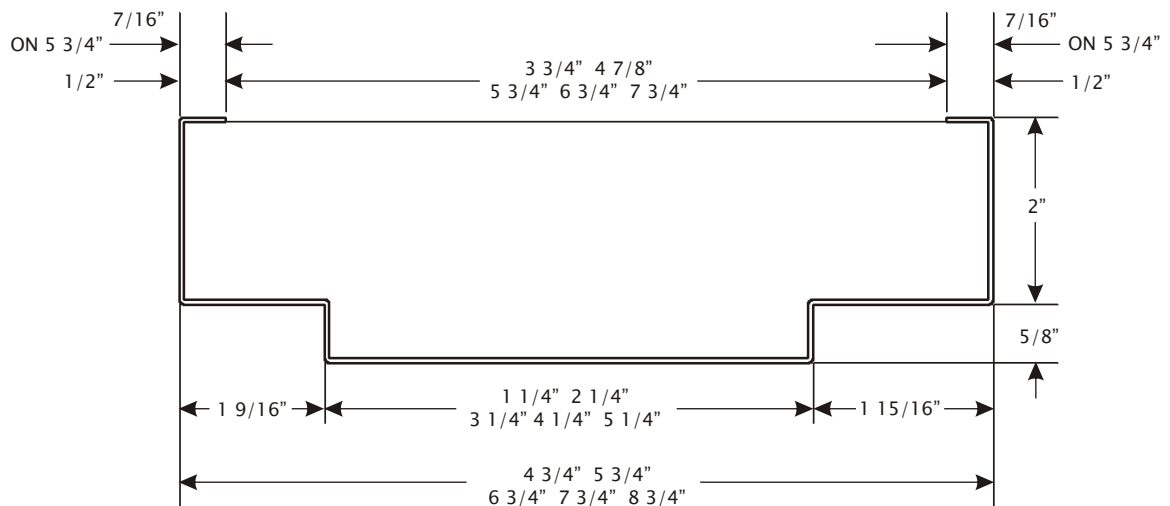
## STANDARD FRAME PROFILES



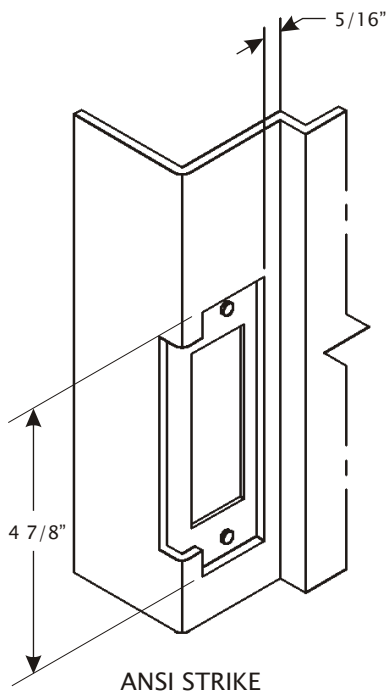
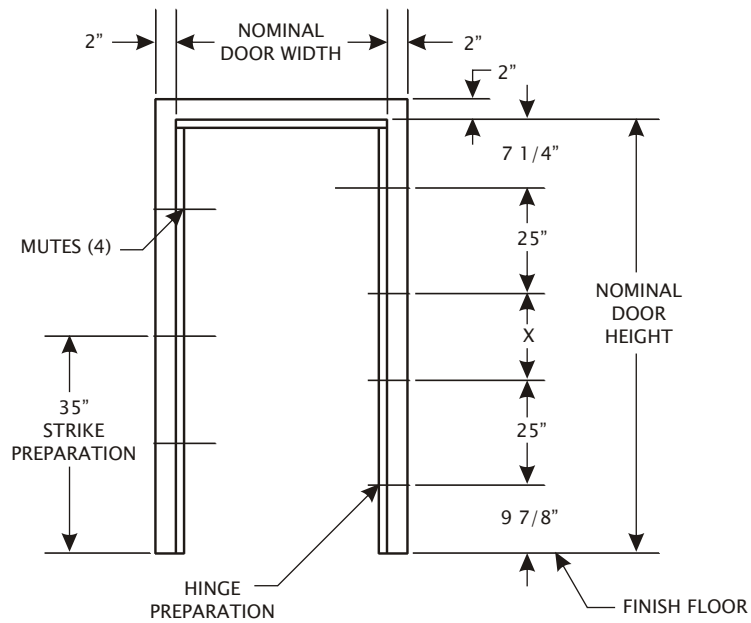
PROFILE FOR 1 3/8" DOORS



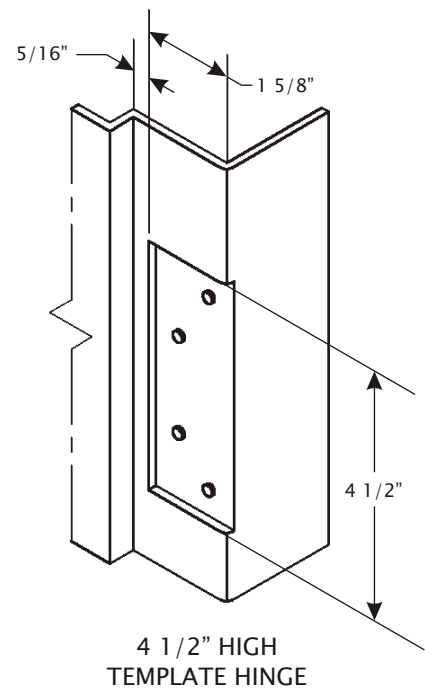
PROFILE FOR 1 3/4" DOORS



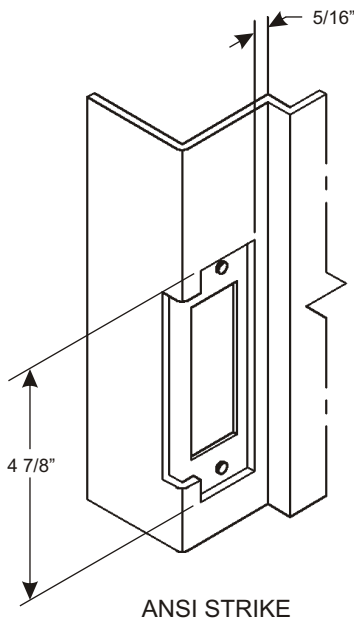
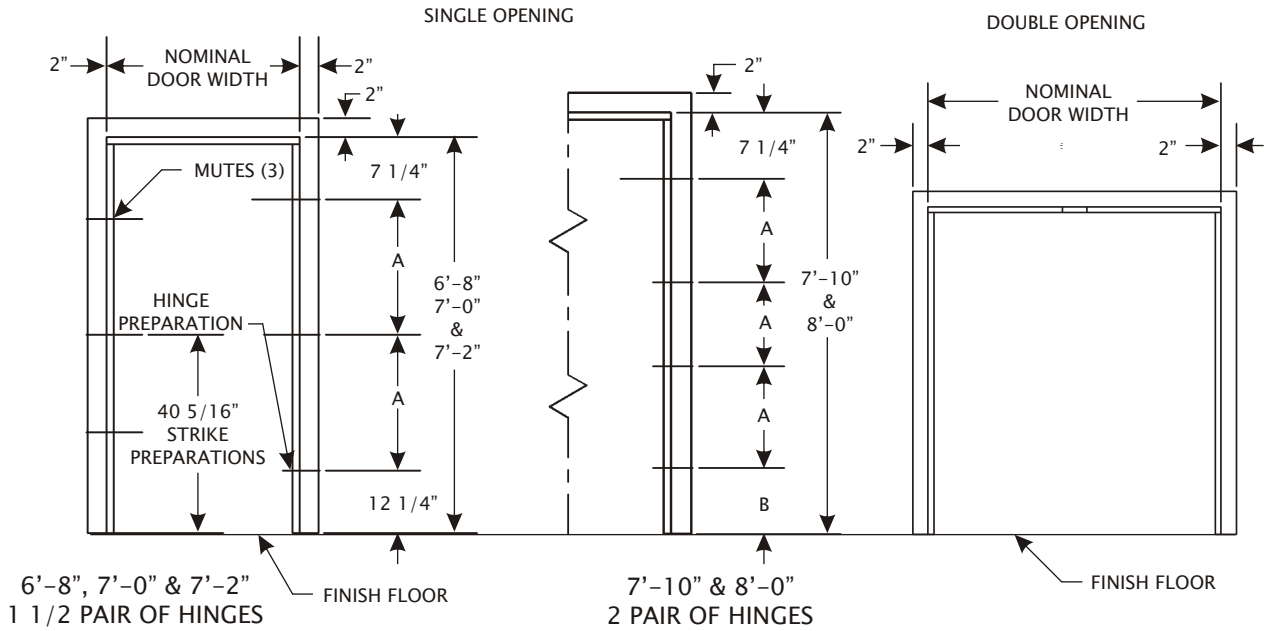
## 1 3/4" FRAMES FOR DUTCH DOORS



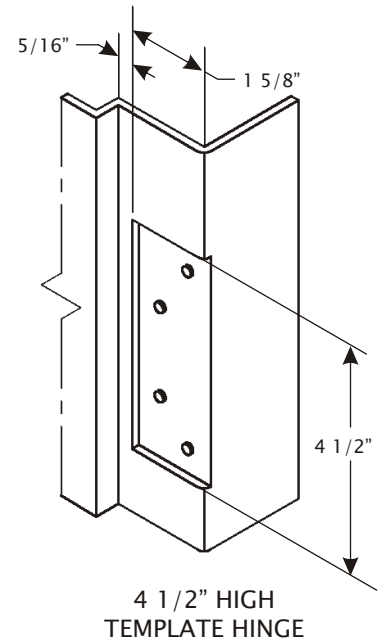
FRAME HEIGHT	DIMENSION X
6'-8"	12 7/8"
7'-0"	16 7/8"
7'-2"	18 7/8"



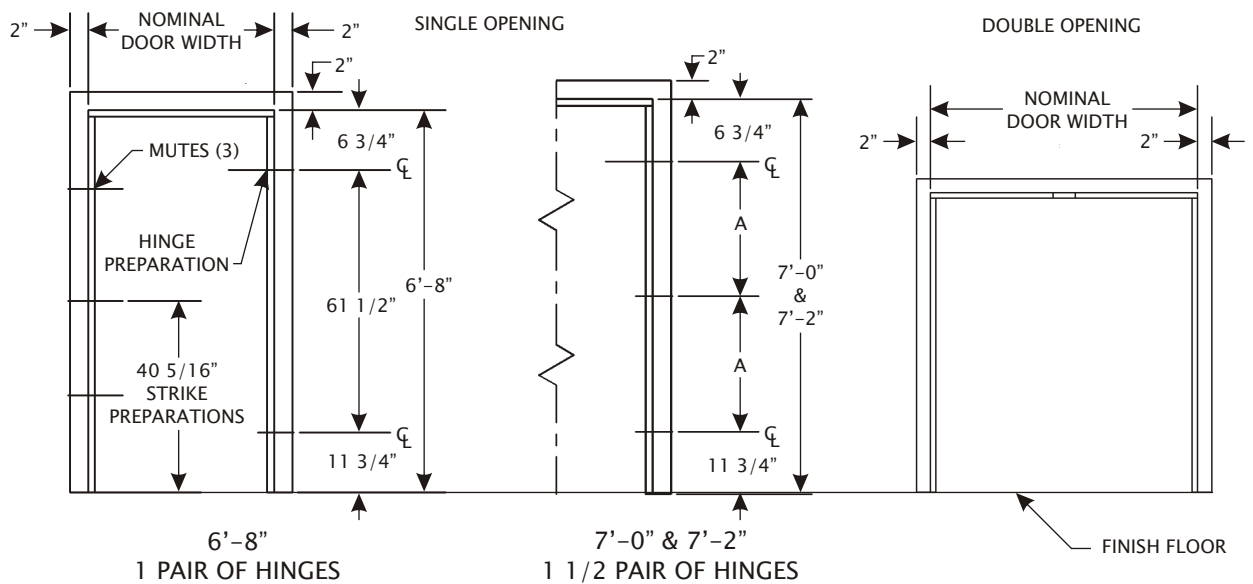
## 1 3/4" FRAMES HINGE AND LOCK LOCATIONS



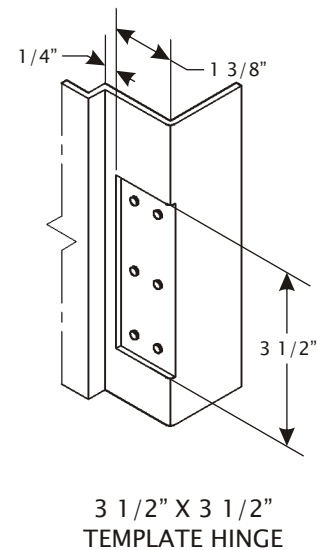
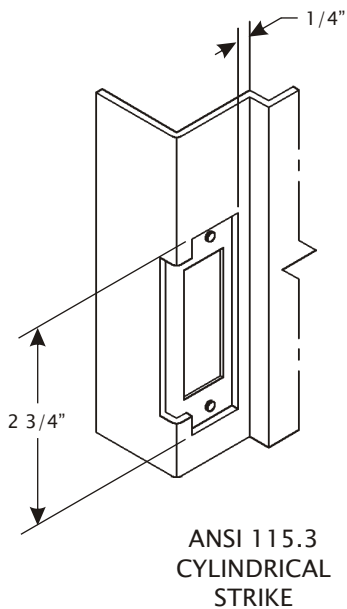
FRAME HEIGHT	DIMENSION "A"
6'-8"	30 1/4"
7'-0"	32 1/4"
7'-2"	33 1/4"
7'-10"	25 1/2"
8'-0"	25 1/2"
FRAME HEIGHT	DIMENSION "B"
7'-10"	10 1/4"
8'-0"	12 1/4"



## 1 3/8" FRAMES HINGE AND LOCK LOCATIONS

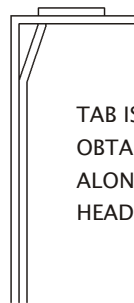
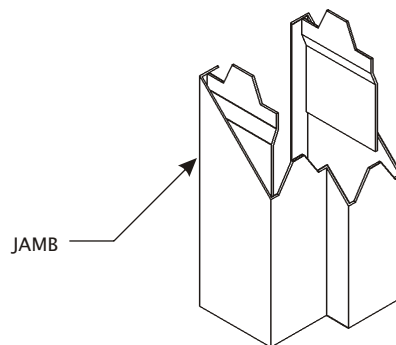
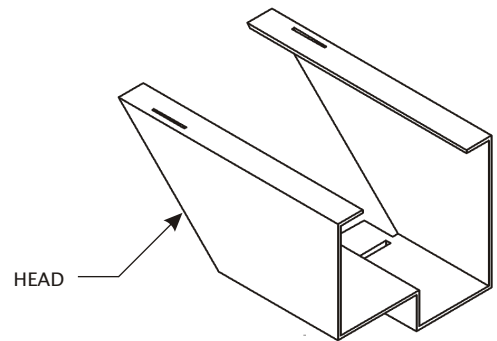
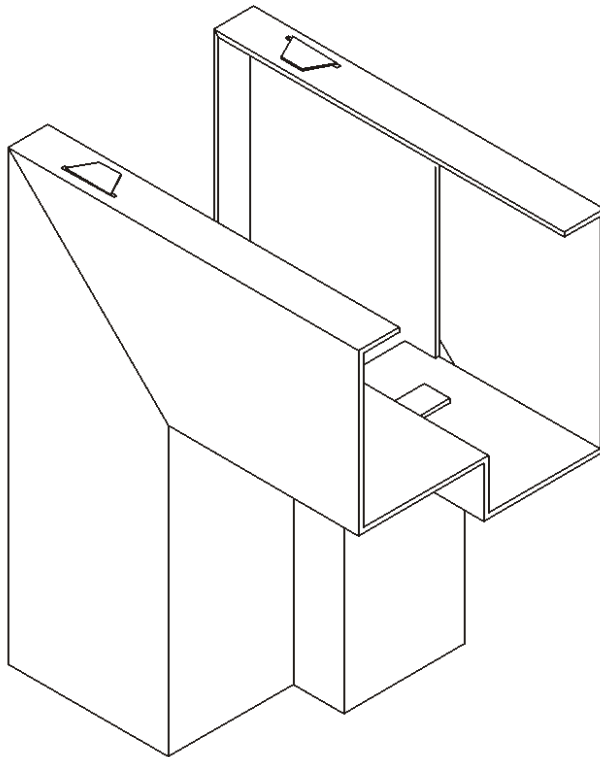


FRAME HEIGHT	DIMENSION A
7'-0"	32 3/4"
7'-2"	33 3/4"





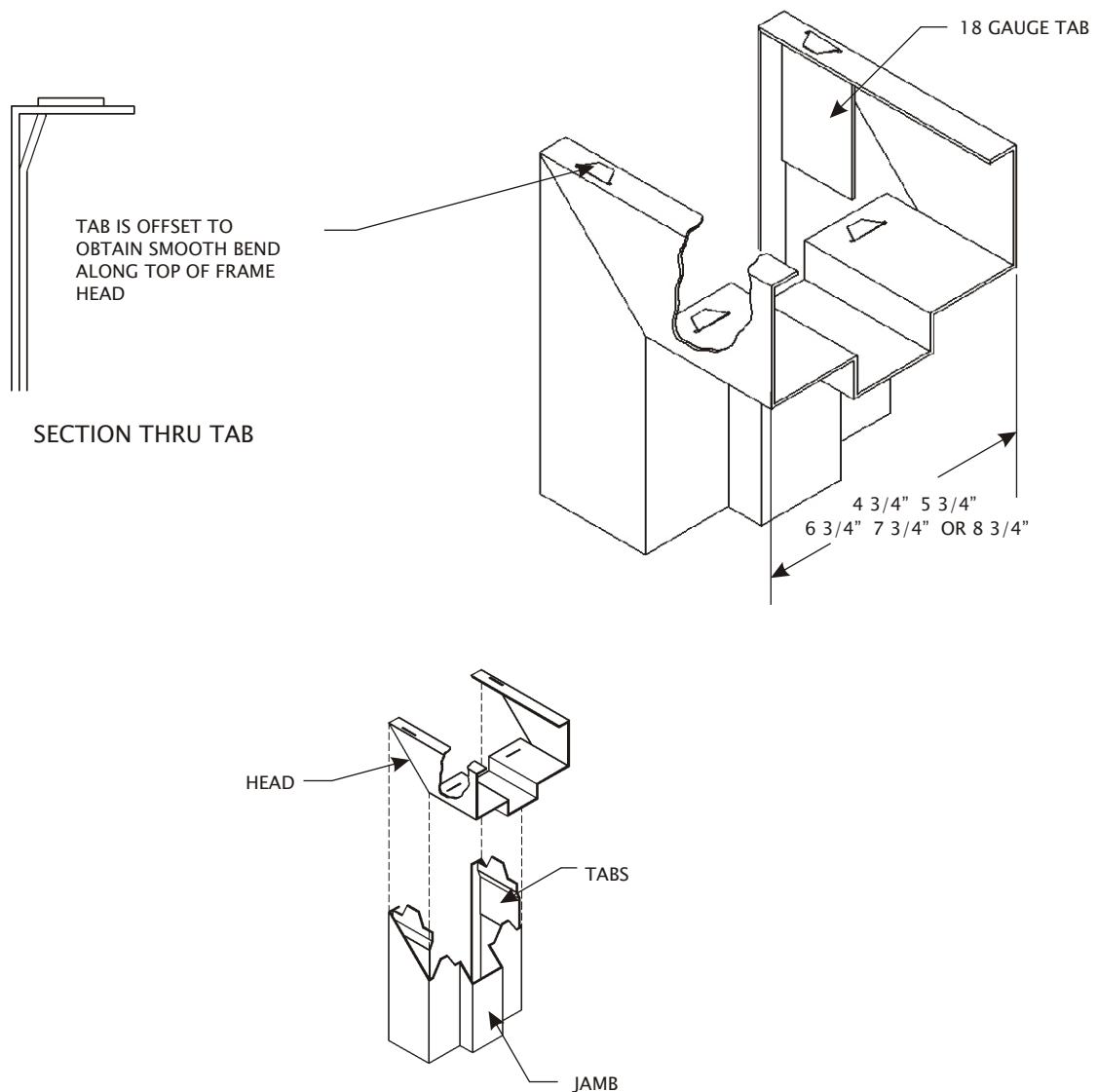
## CORNER DETAIL KNOCKED DOWN FRAMES 3" AND 3 3/4" JAMB DEPTH



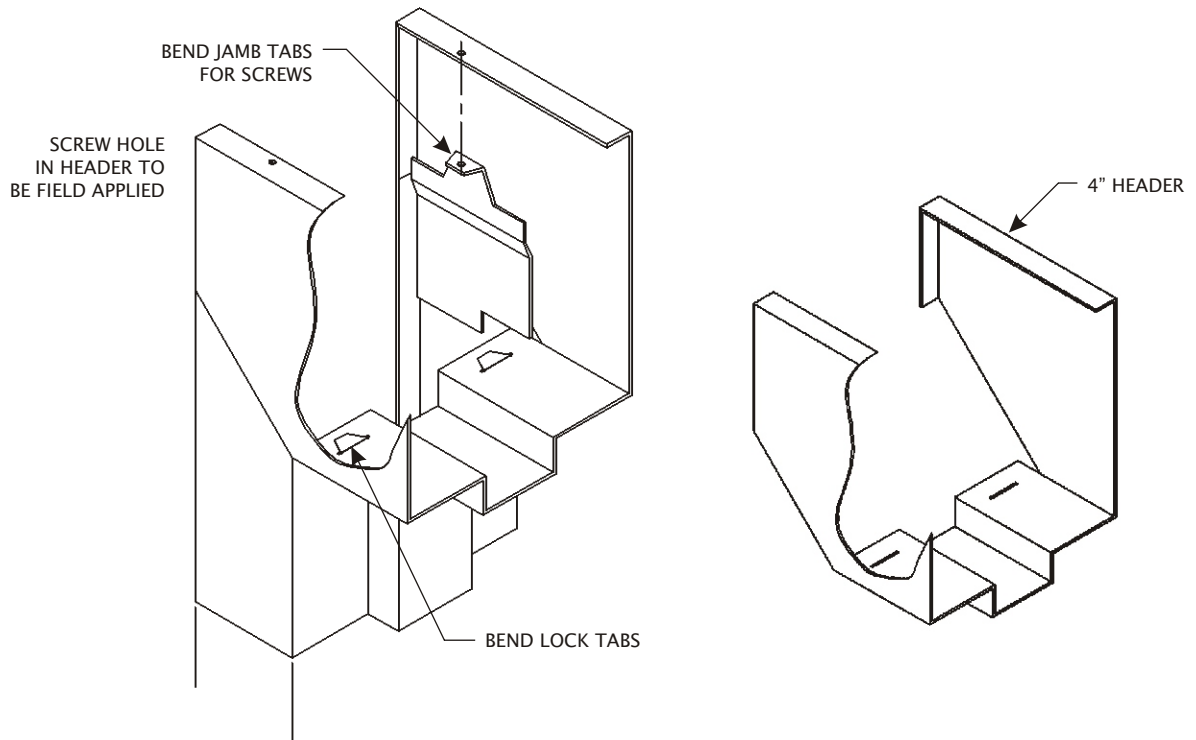
TAB IS OFFSET TO  
OBTAIN SMOOTH BEND  
ALONG TOP OF FRAME  
HEAD

SECTION THRU TAB

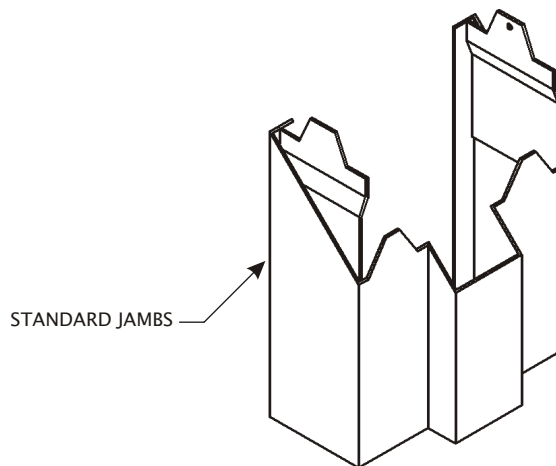
### KNOCKED DOWN CORNERS 4 3/4", 5 3/4", 6 3/4", 7 3/4" AND 8 3/4" DEPTH FRAMES



### CORNER ASSEMBLY FOR 4" HEADER



DOUBLE RABBET ONLY

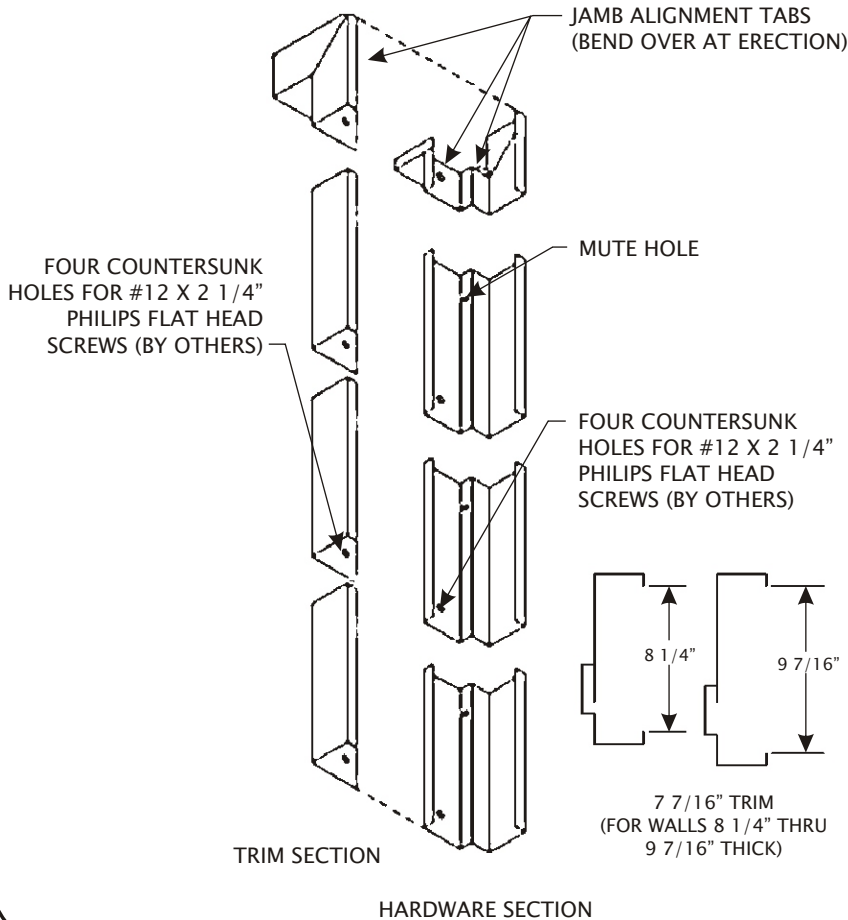
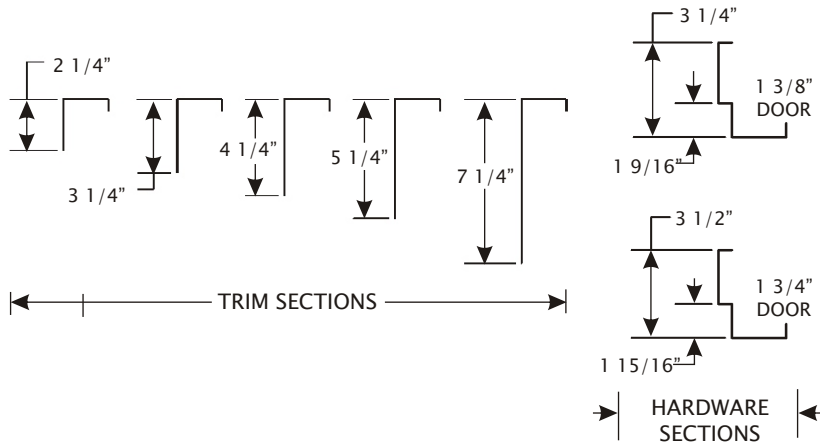


# TECHNICAL DATA SHEET

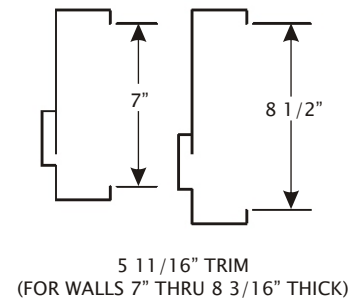
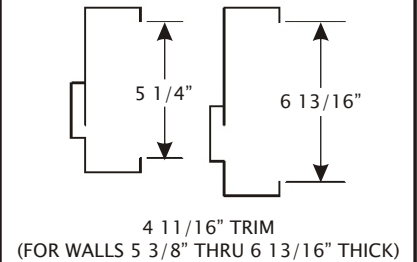
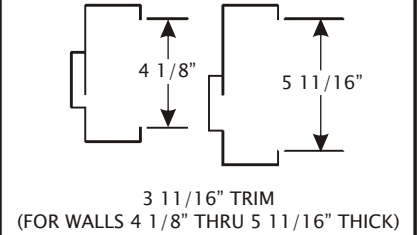
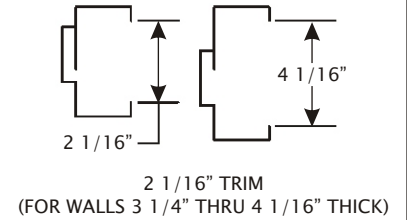
**DS-210**

## REMODELING FRAME

FR SERIES FRAME SECTIONS



### COMPLETE ASSEMBLED FRAME



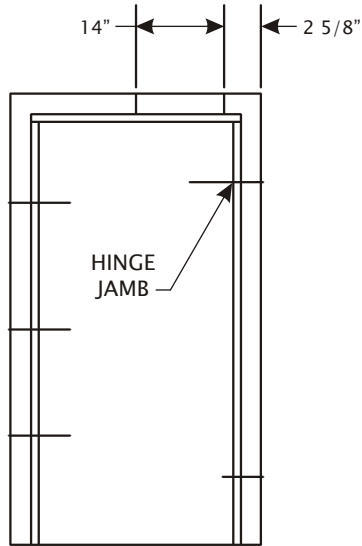
January 2007



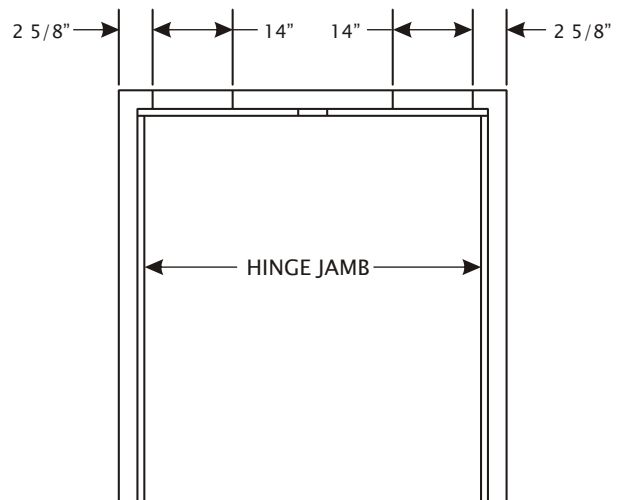
**MESKER**

www.meskerdoor.com  
256-851-6670, 256-852-5846

## STANDARD CLOSER REINFORCEMENT SLEEVE

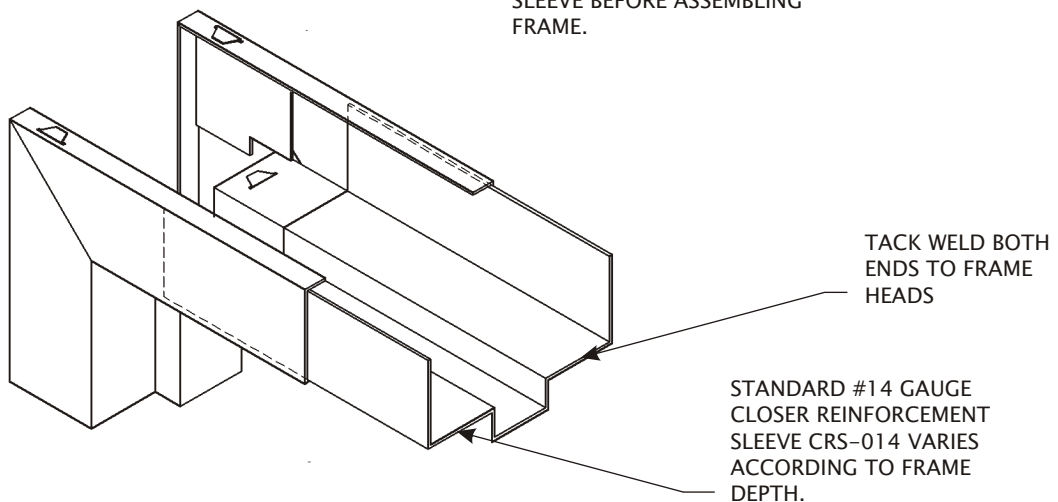


SINGLE OPENING

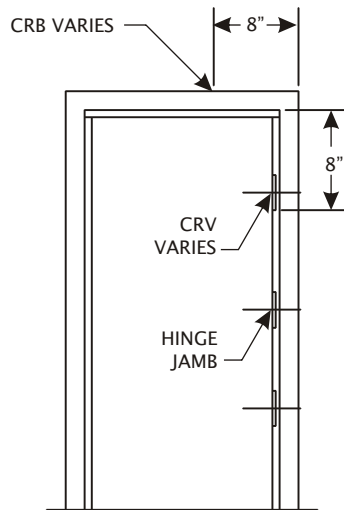


DOUBLE OPENING

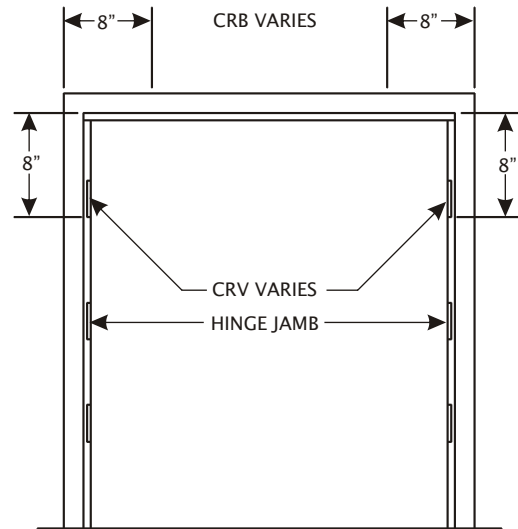
INSERT CLOSER REINFORCEMENT SLEEVE BEFORE ASSEMBLING FRAME.



## CORNER BRACKET MOUNTED CLOSER REINFORCEMENT

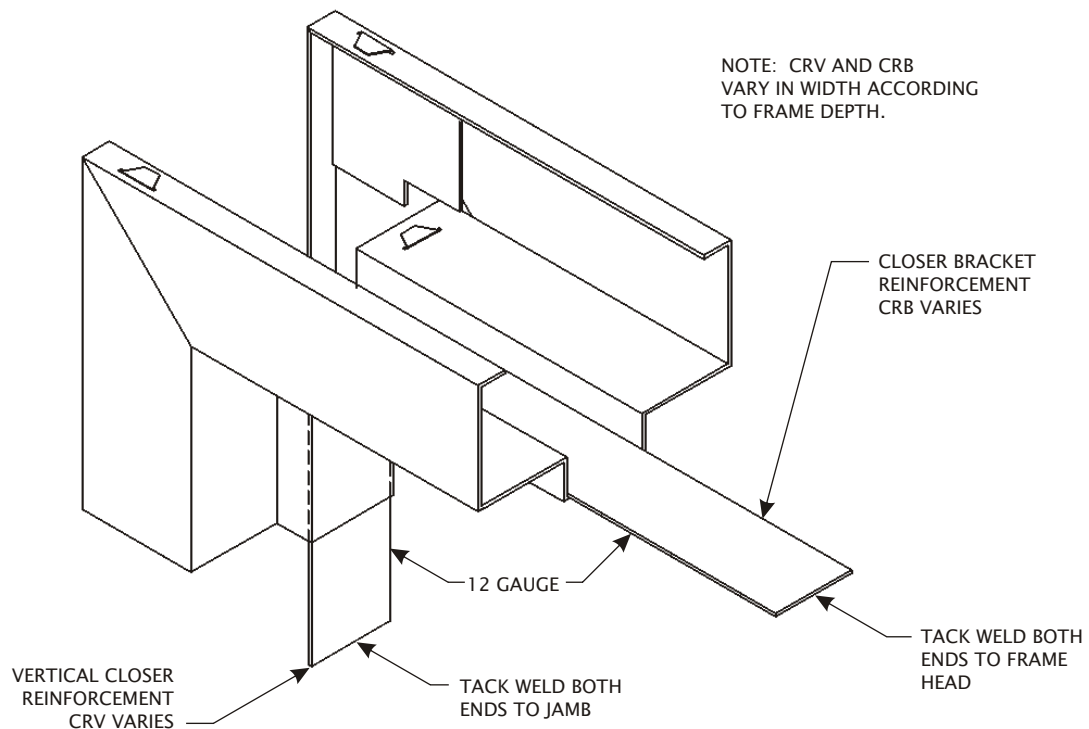


SINGLE OPENING

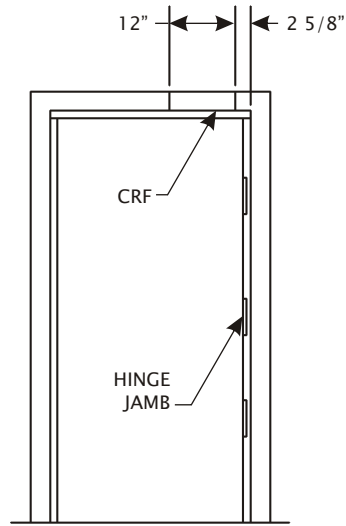


DOUBLE OPENING

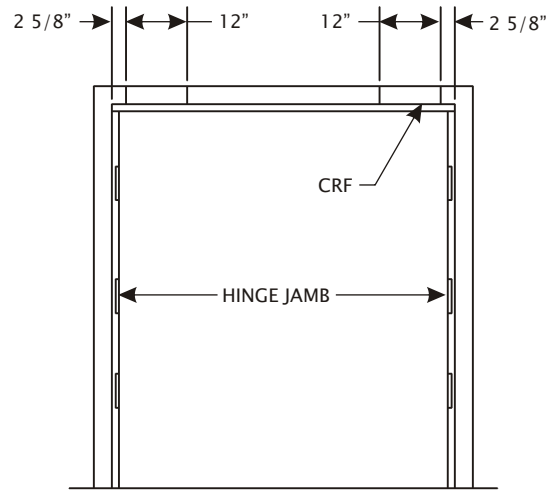
NOTE: CRV AND CRB  
VARY IN WIDTH ACCORDING  
TO FRAME DEPTH.



## STANDARD CLOSER REINFORCEMENT BAR

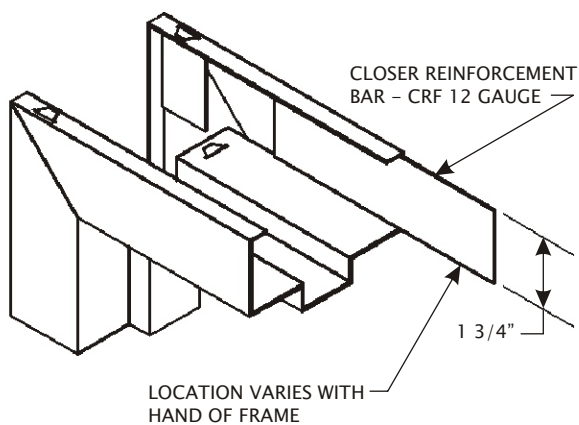


SINGLE OPENING

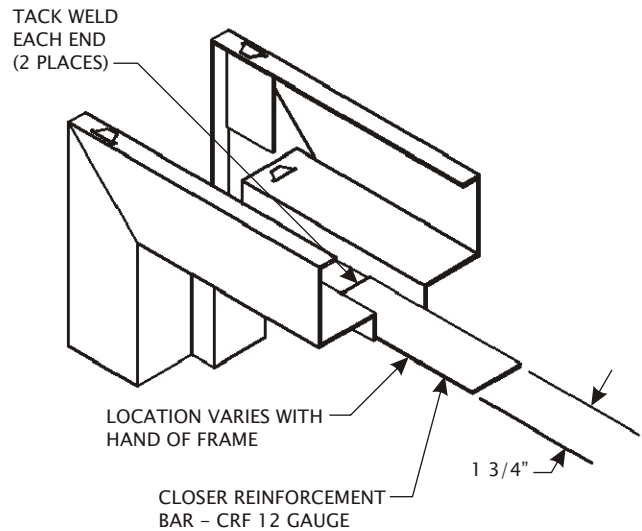


DOUBLE OPENING

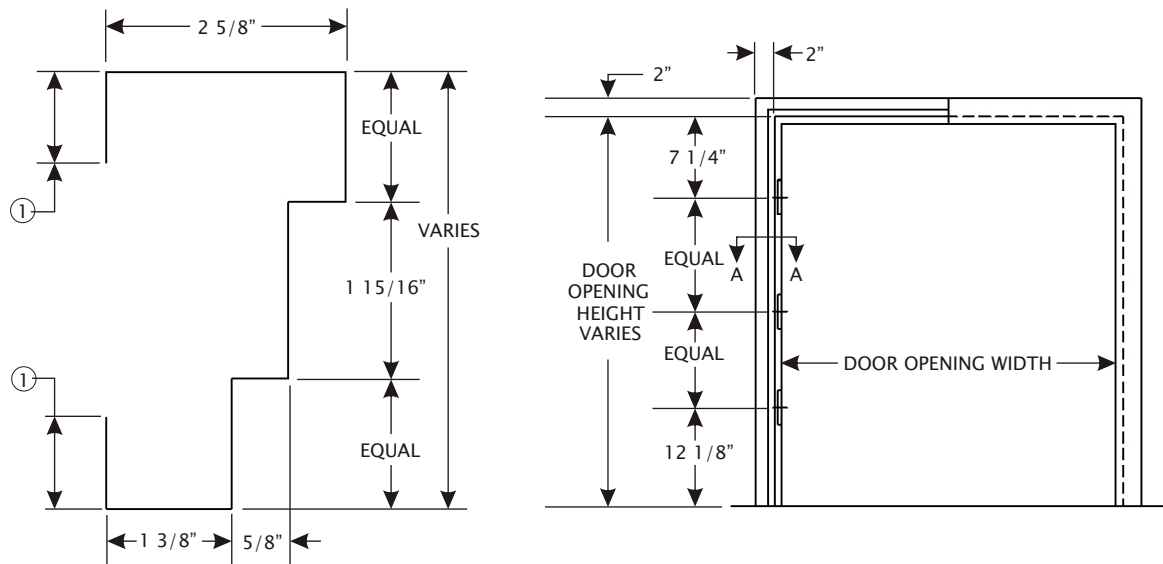
Regular Arm Closer (RAC)



Parallel Arm Closer (PAC)



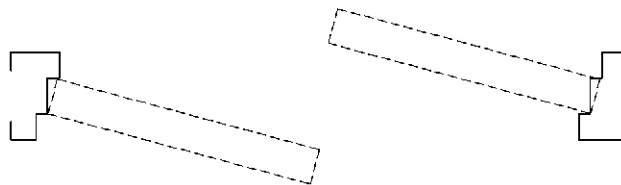
### DOUBLE EGRESS FRAME



SECTION A-A  
JAMB & HEADER

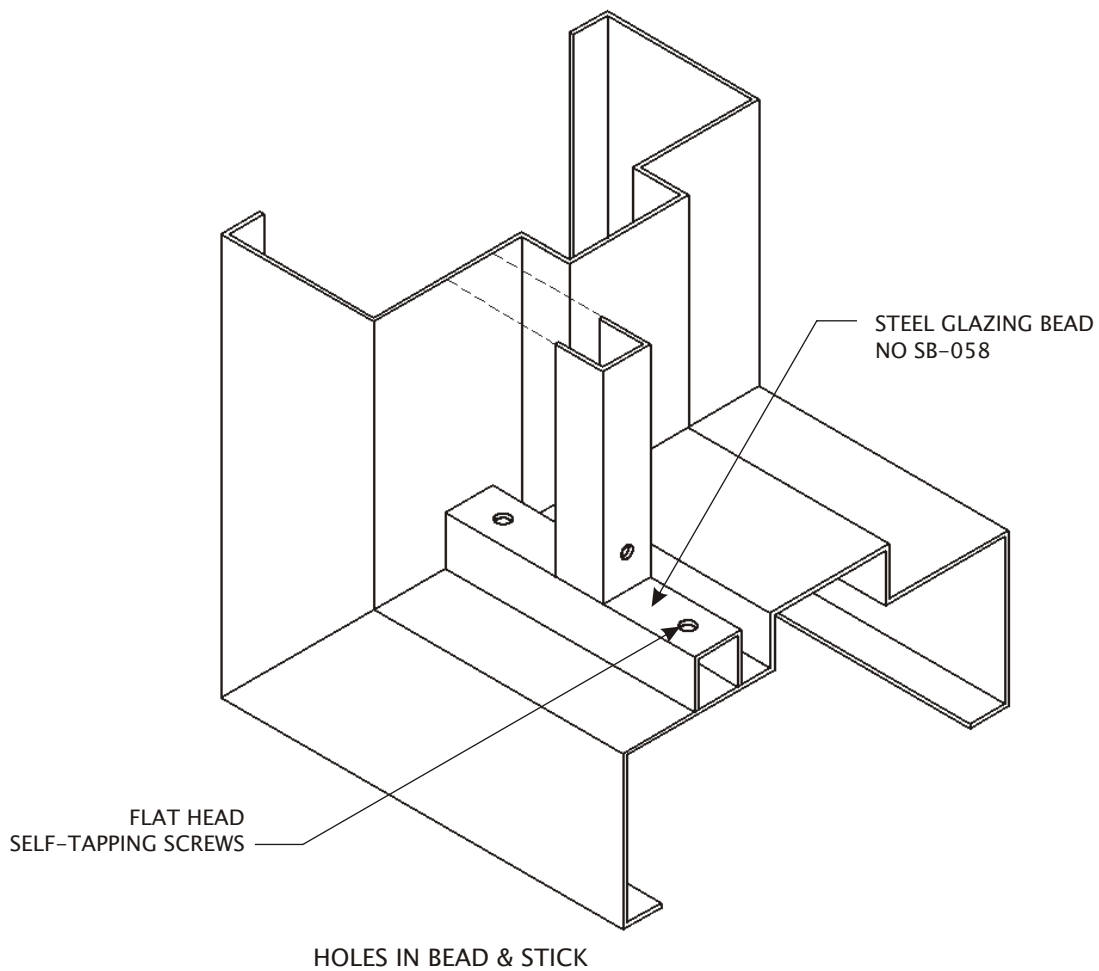
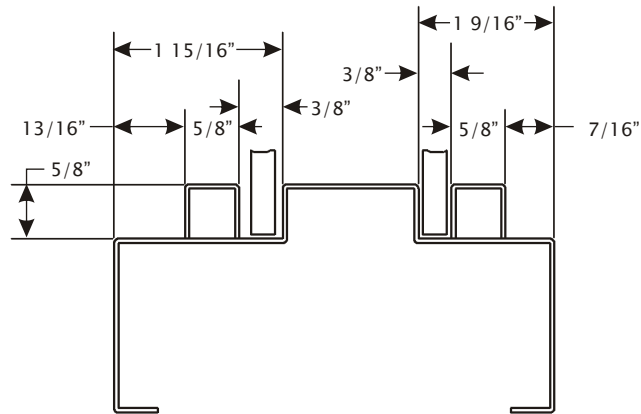
① RETURNS

$7/16$ " FOR  $5-3/4$ "  
 $1/2$ " ALL OTHERS

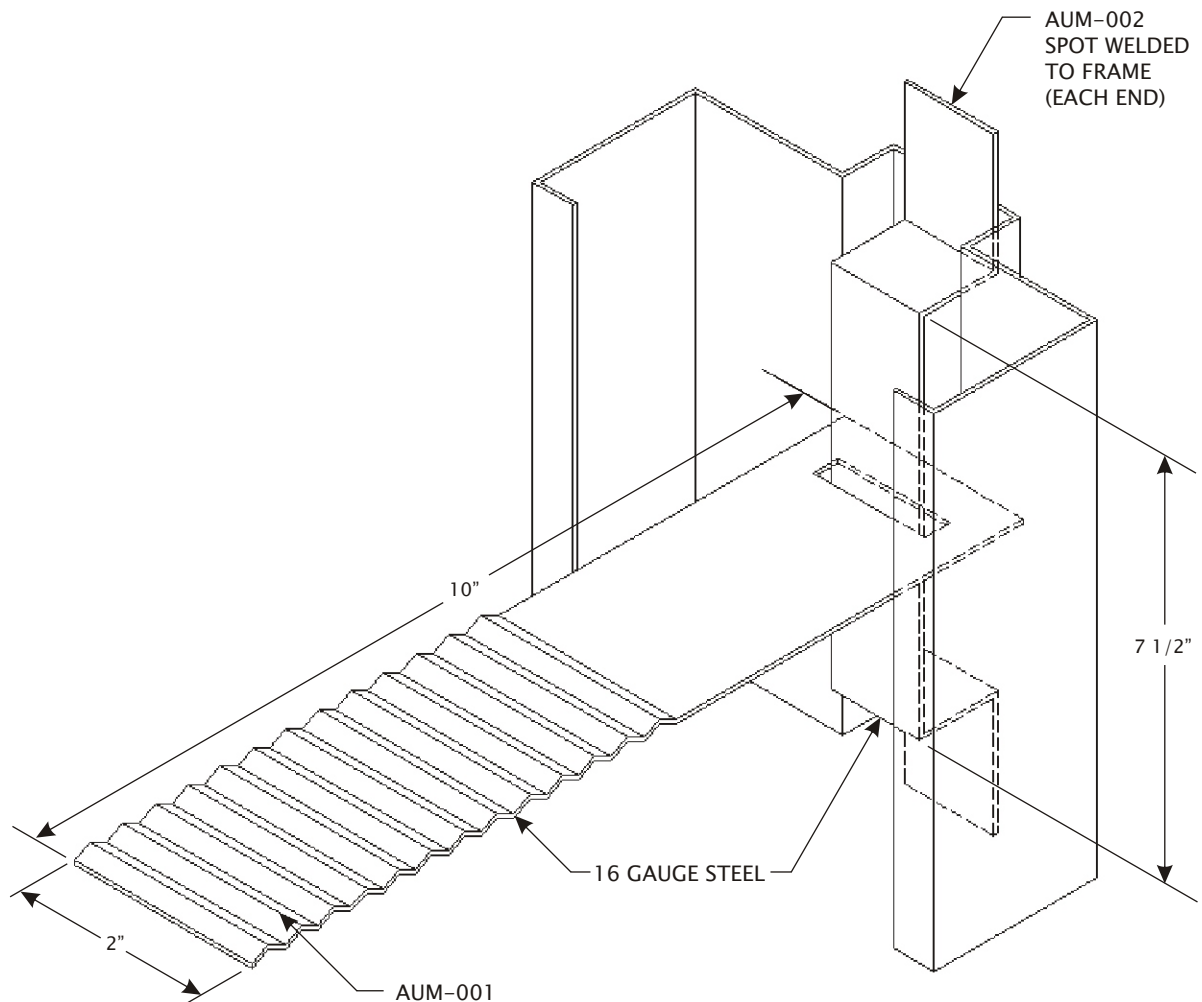




### STEEL GLAZING BEAD

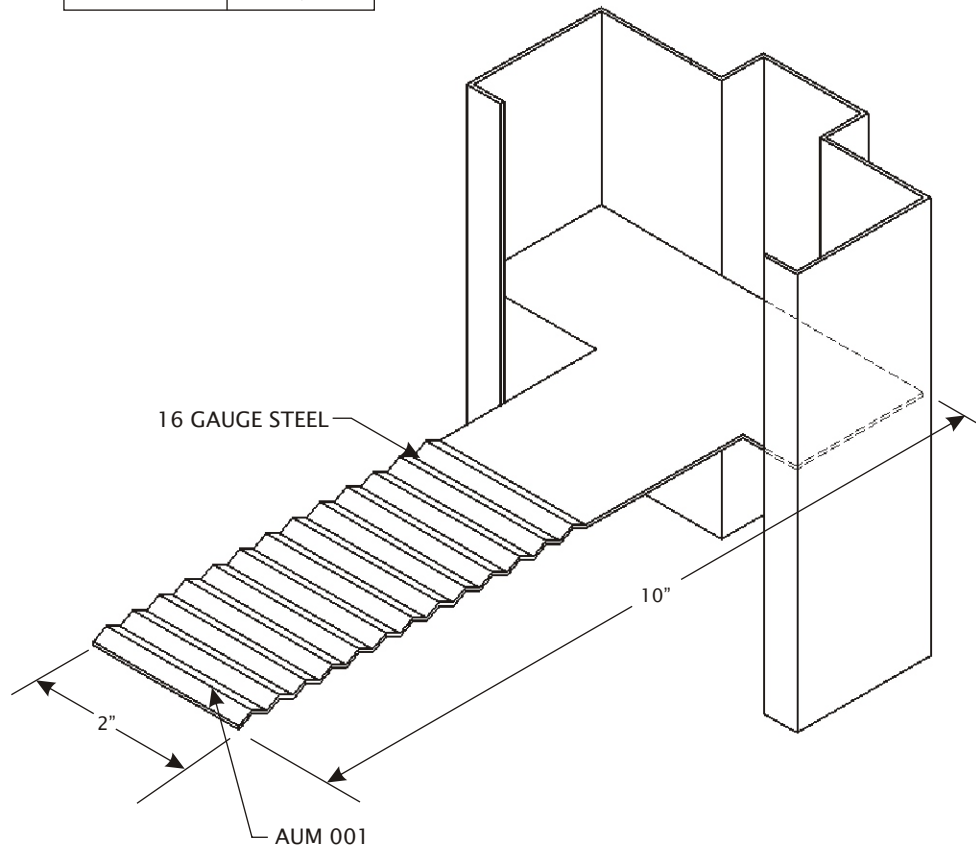


### UNDERWRITERS LABORATORIES MASONRY FRAME ANCHORS

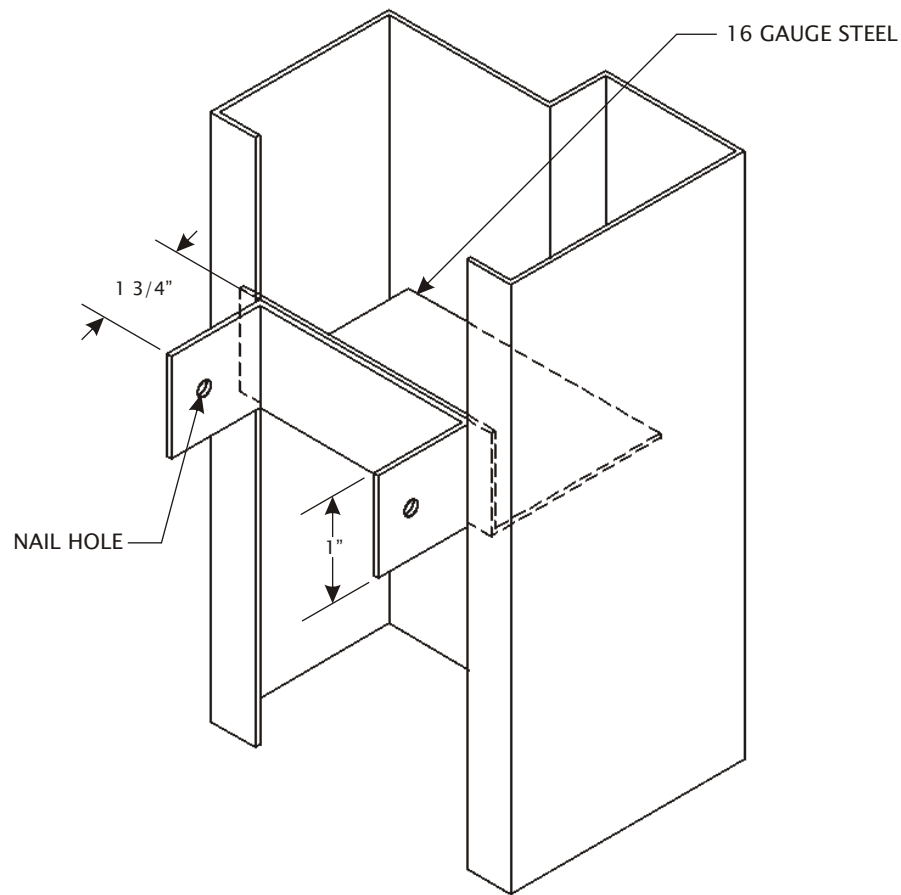


### FRAME ANCHOR MASONRY 'T' ANCHOR

ANCHOR NUMBER	FRAME DEPTH
AMT 300	3"
AMT 375	3 3/4"
AMT 475	4 3/4"
AMT 575	5 3/4"
AMT 675	6 3/4"
AMT 875	8 3/4"

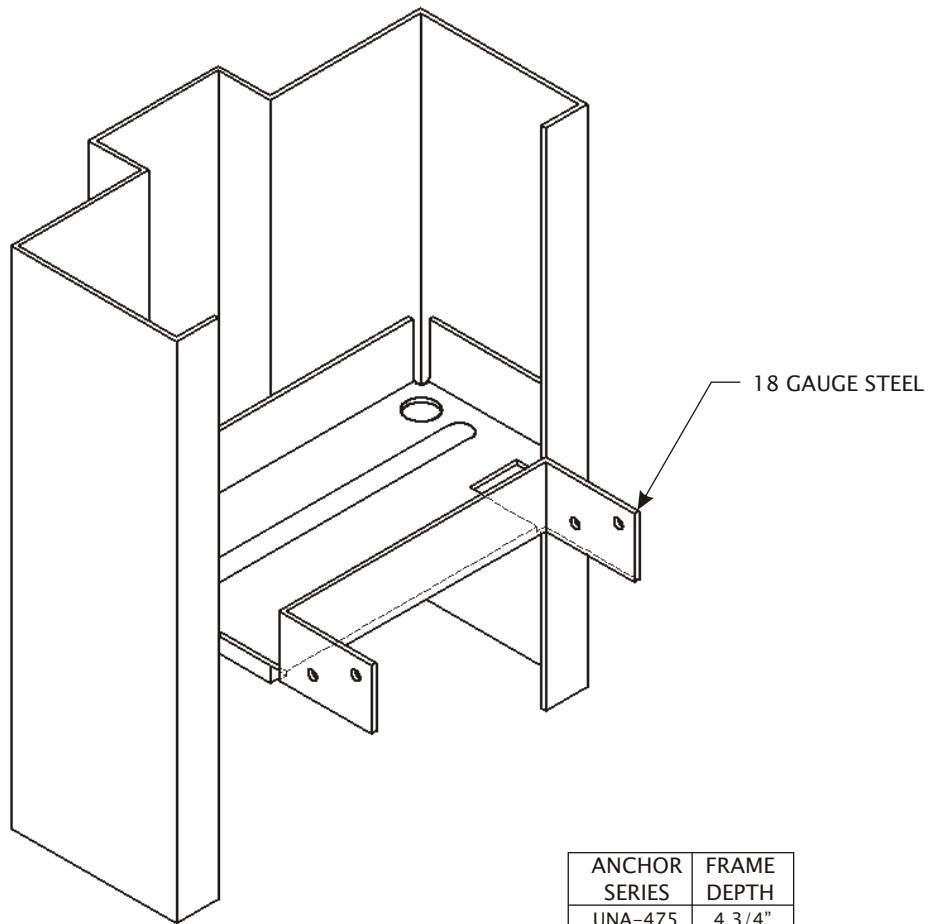


## FRAME ANCHOR 'ASW' -- STUD WALL



3" AND 3 3/4" FRAMES

### FRAME ANCHOR UNIVERSAL (UNA) ANCHOR

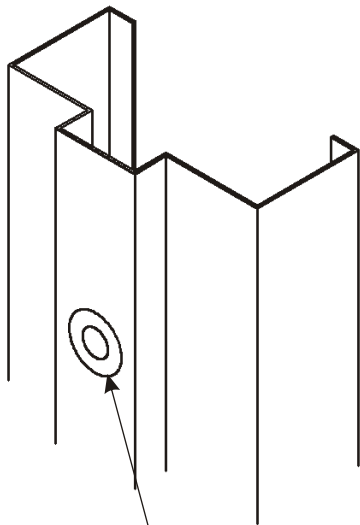


ANCHOR SERIES	FRAME DEPTH
UNA-475	4 3/4"
UNA-575	See DS-249
UNA-675	6 3/4"
UNA-775	7 3/4"
UNA-875	8 3/4"

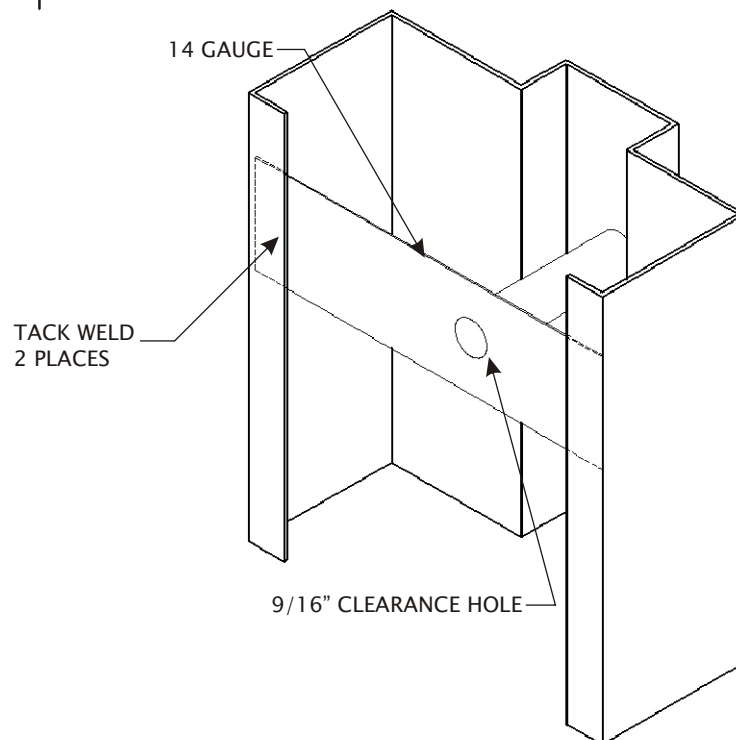
### FRAME ANCHOR 'AEW' FOR EXISTING WALLS

#### INSTALLATION PROCEDURE

1. DRILL 1/4" DIAMETER HOLE IN SOFFIT AS AN AID TO LOCATE ANCHOR.
2. ALIGN 1/4" HOLE IN ANCHOR WITH HOLE DRILLED IN STEP 1 AND WELD ANCHOR TO FRAME.
3. DRILL 7/16" HOLE THROUGH FRAME AND ANCHOR.
4. COUNTERSINK FOR 3/8" DIAMETER FLAT HEAD MACHINE BOLT.



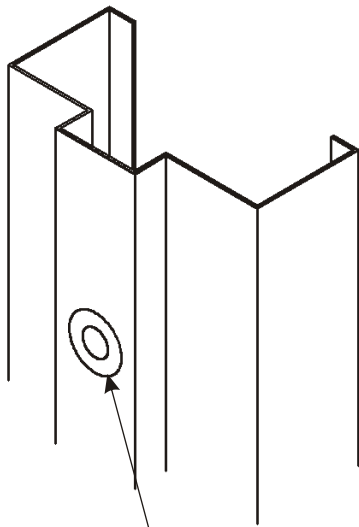
SEE STEP 4  
FOR CTSK  
DETAIL



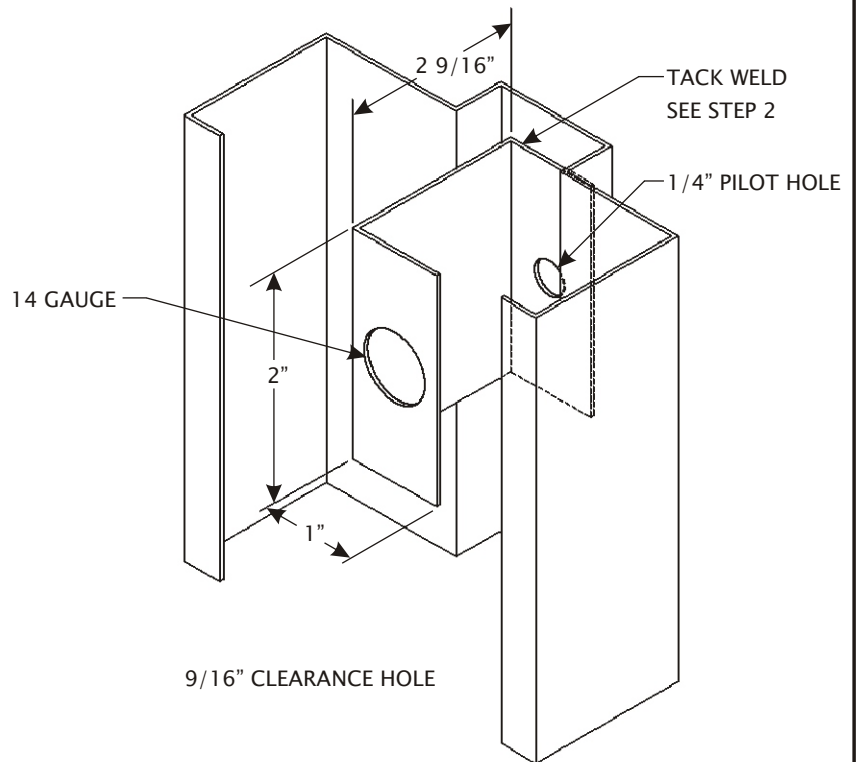
### FRAME ANCHOR 'AEW' FOR EXISTING WALLS

#### INSTALLATION PROCEDURE

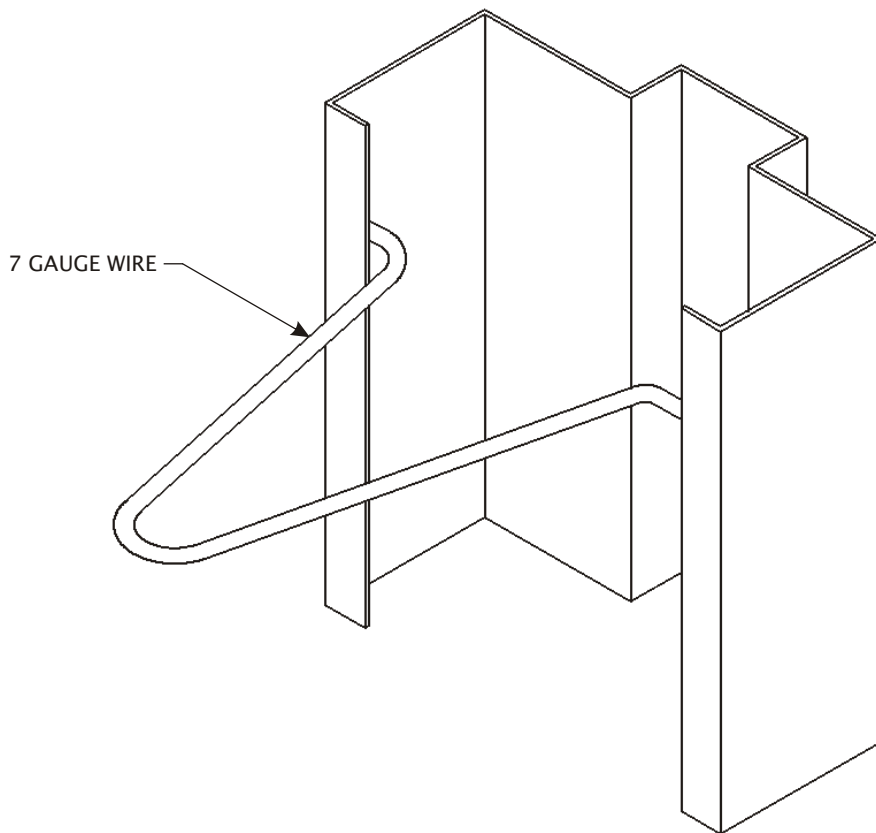
1. DRILL 1/4" DIAMETER HOLE IN SOFFIT AS AN AID TO LOCATE ANCHOR.
2. ALIGN 1/4" HOLE IN ANCHOR WITH HOLE DRILLED IN STEP 1 AND WELD ANCHOR TO FRAME.
3. DRILL 7/16" HOLE THROUGH FRAME AND ANCHOR.
4. COUNTERSINK FOR 3/8" DIAMETER FLAT HEAD MACHINE BOLT.



SEE STEP 4  
FOR CTSK  
DETAIL



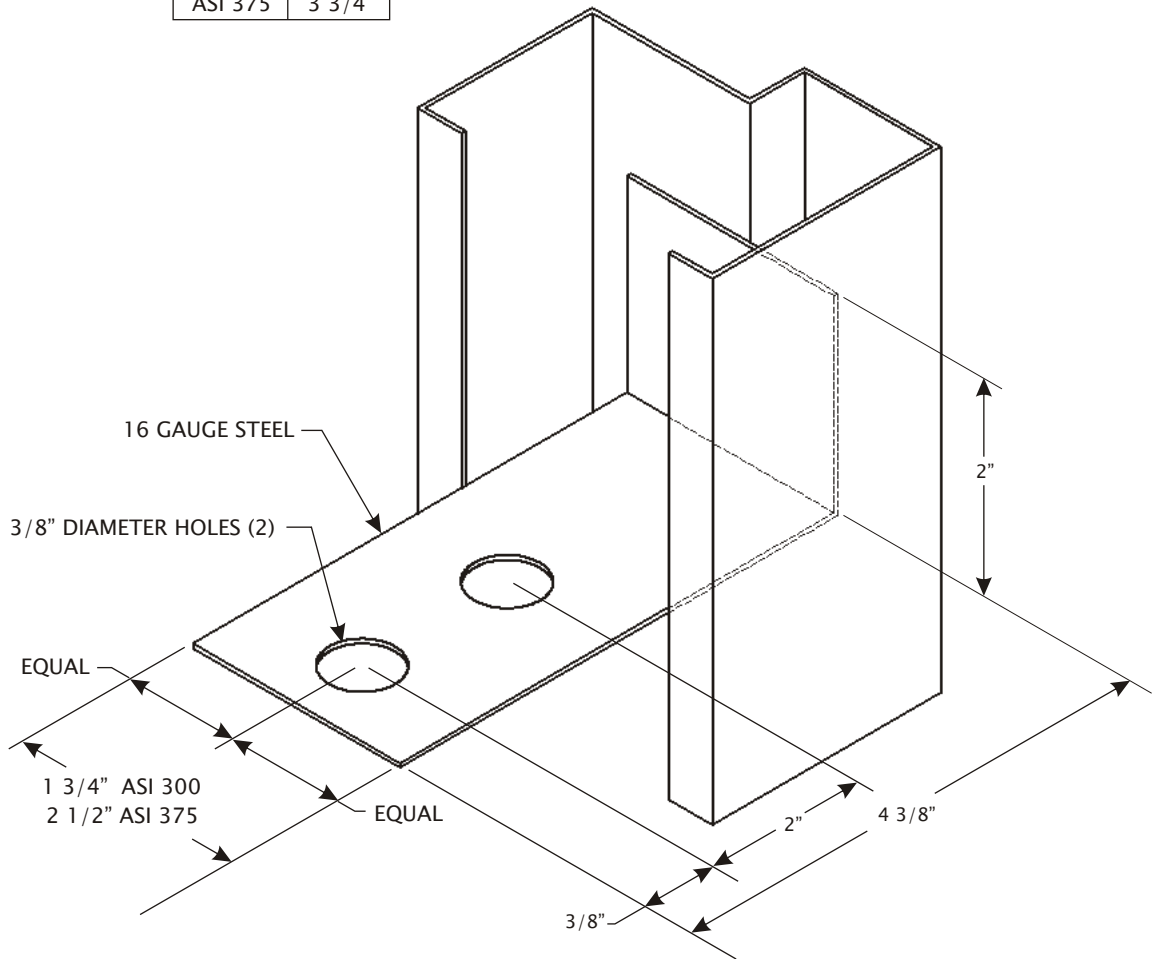
## FRAME ANCHOR WIRE ANCHOR



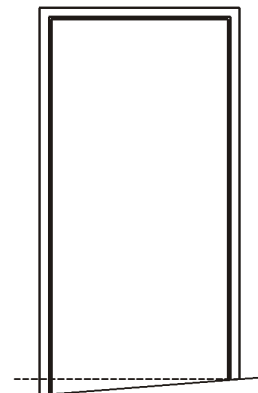
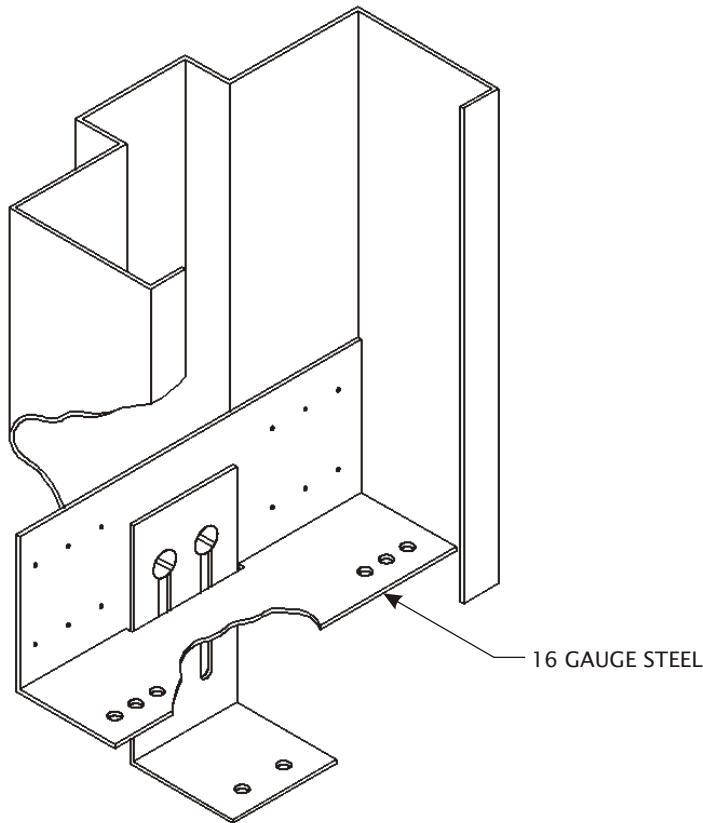


### FRAME ANCHOR SILL ANCHOR SINGLE RABBET FRAME

ANCHOR NUMBER	FRAME DEPTH
ASI 300	3"
ASI 375	3 3/4"



### FRAME ANCHOR SILL ANCHOR DOUBLE RABBET FRAME



ADJUSTABLE SILL ANCHOR  
REQUIRED WHERE FLOOR  
IS NOT LEVEL

ANCHOR NUMBER	FRAME DEPTH
ASI 475	4 3/4"
ASI 575	5 3/4"
ASI 675	6 3/4"
ASI 875	8 3/4"

8 3/4" IS NOT ADJUSTABLE

NOTE: ADJUSTABLE ANCHOR AVAILABLE AS REQUIRED

## EXISTING WALL ANCHOR UNIVERSAL (UNA) ANCHOR 5 3/4"

PLASTIC  
PLUG TO  
FILL HOLE  
IN SOFFIT

