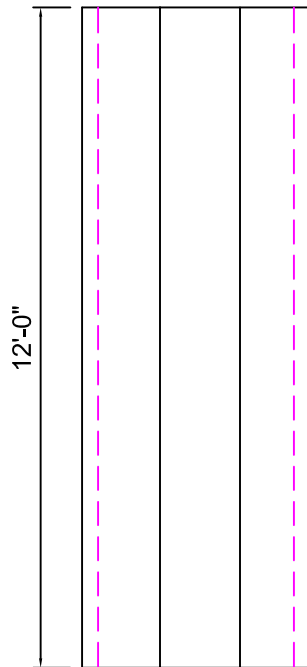
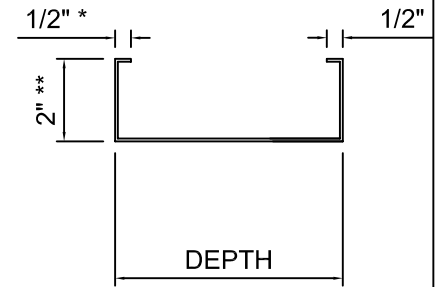
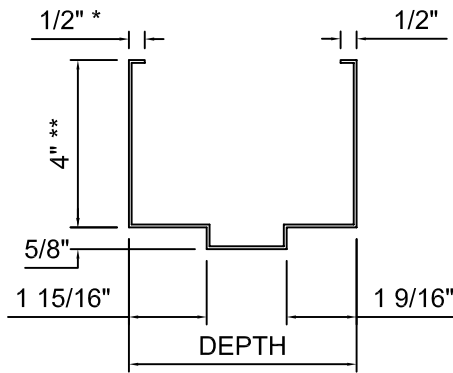
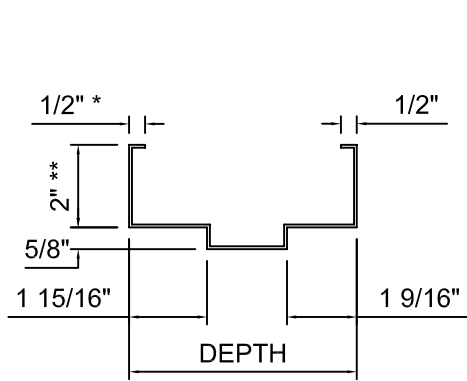
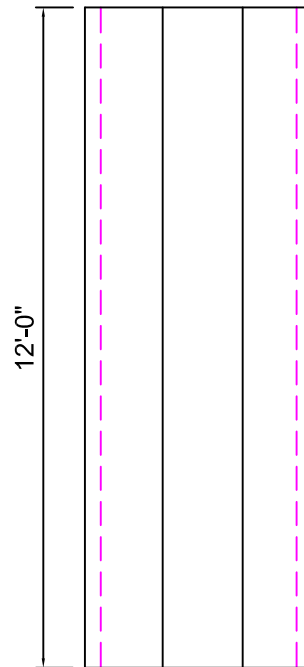


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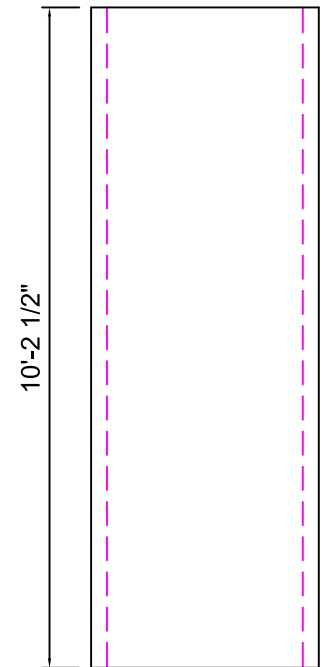




**FRAME SECTION
FB2F**



**4" FACE SECTION
FB4F**



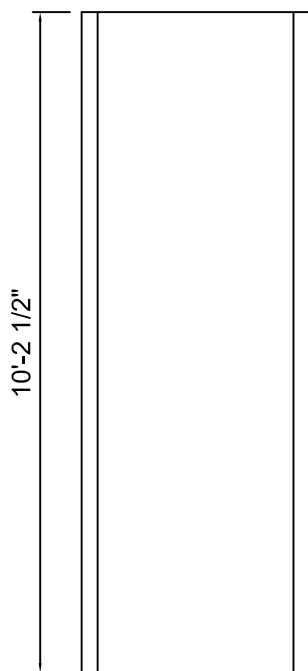
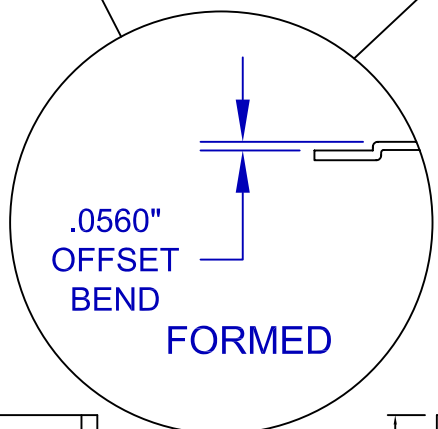
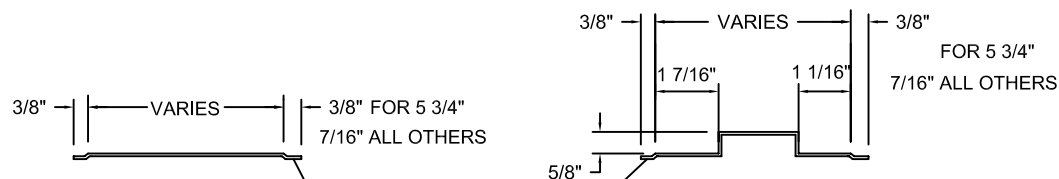
**CASED OPENING SECTION
FBTO**

ALL MATERIAL TO BE CLEANED, BONDERIZED AND PRIME PAINTED.

* EXCEPT 5 3/4", STICK RETURNS OTHER THAN 1/2" MUST BE SPECIFIED ON ORDER. ON 5 3/4", 7/16" RETURNS ARE STANDARD. ALL OTHERS MUST BE SPECIFIED.

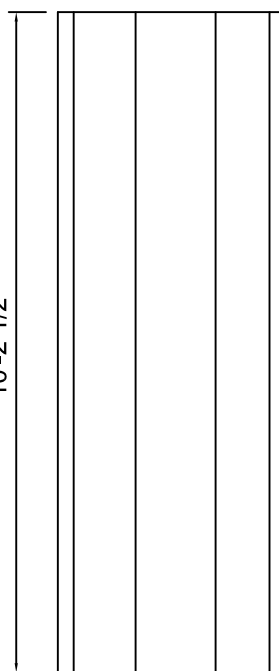
**FACE DIM. OTHER THAN 2" MUST BE SPECIFIED ON ORDER.

SUBJECT: STICK MATERIAL FRAME SECTION
16 GA., 14 GA. CRS OR GALV



THROAT FILLER WO/STOP

TFNS

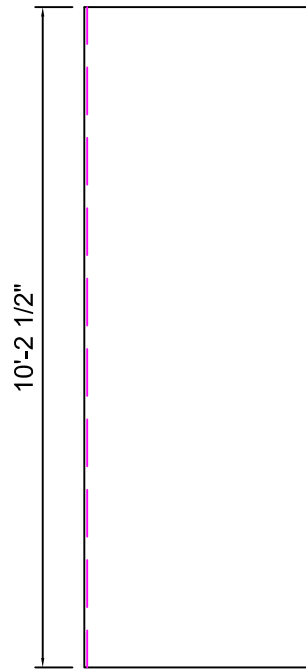
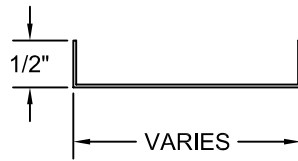


THROAT FILLER W/STOP

TFWS

ALL MATERIAL TO BE CLEANED, BONDERIZED AND PRIME PAINTED.

SUBJECT: THROAT FILLER
STICK MATERIAL FRAME SECTION
16 GA., CRS OR GALV

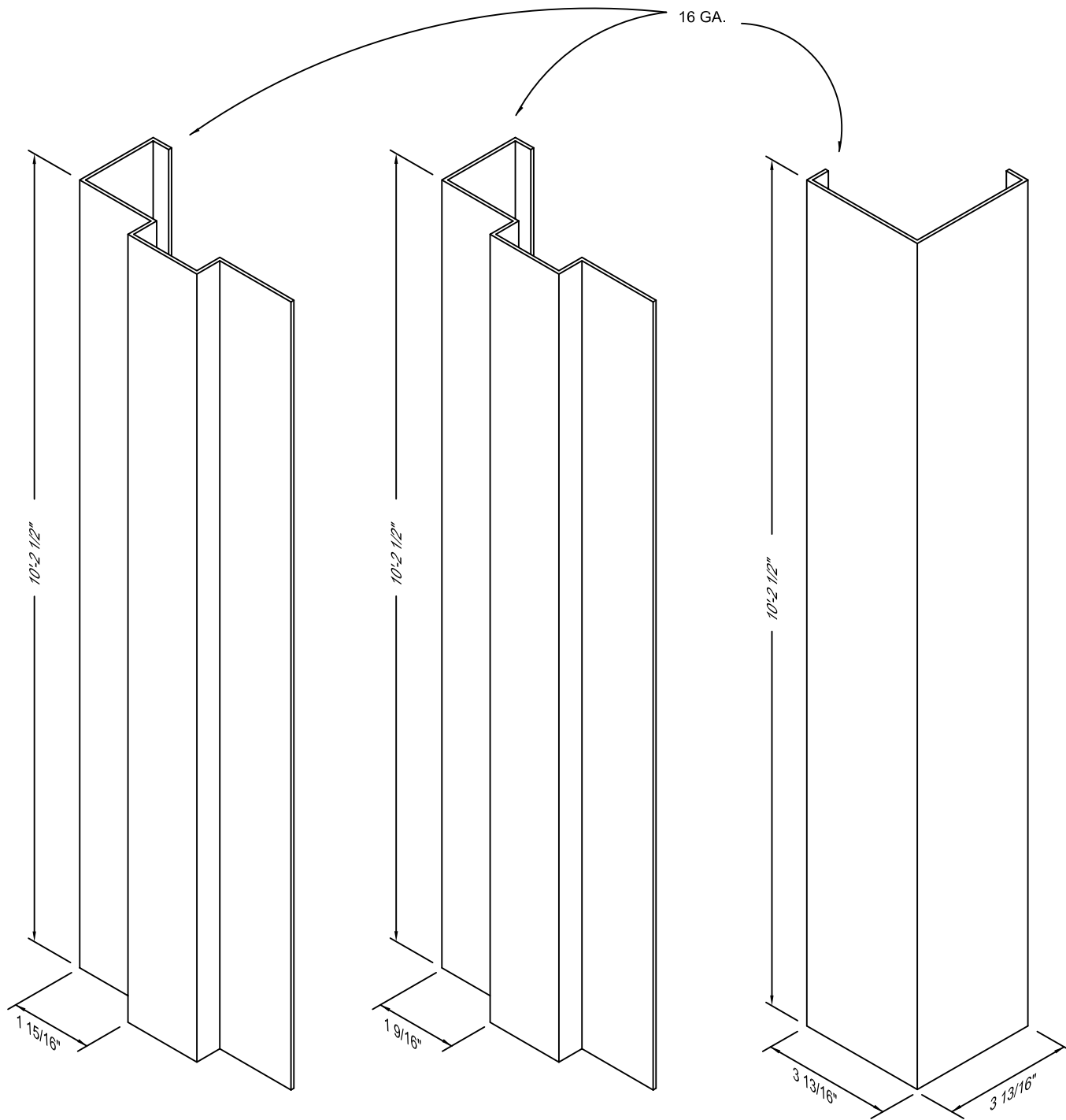


SILL CHANNEL

SCFS

ALL MATERIAL TO BE CLEANED, BONDERIZED AND PRIME PAINTED.

SUBJECT: SILL CHANNEL
STICK MATERIAL FRAME SECTION
16 GA., 14 GA. CRS OR GALV



1-15/16" CORNER POST JAMB

CP15

1-9/16" CORNER POST JAMB

CP9-

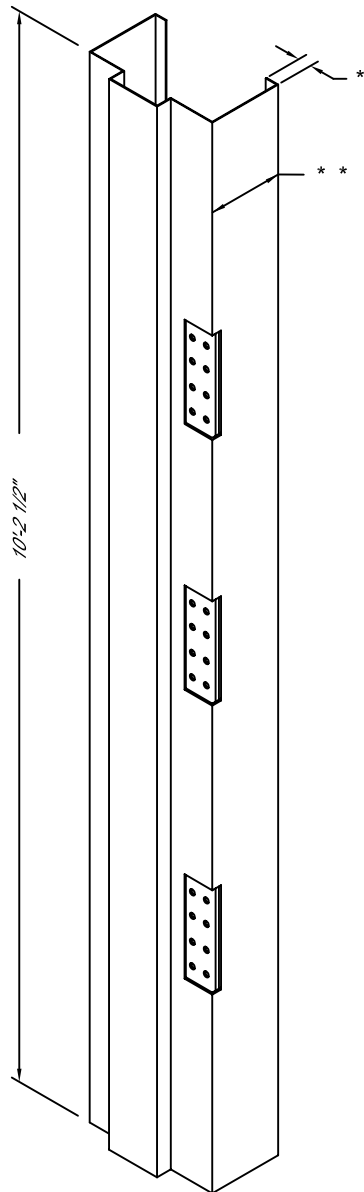
CORNER POST ANGLE

CPAN

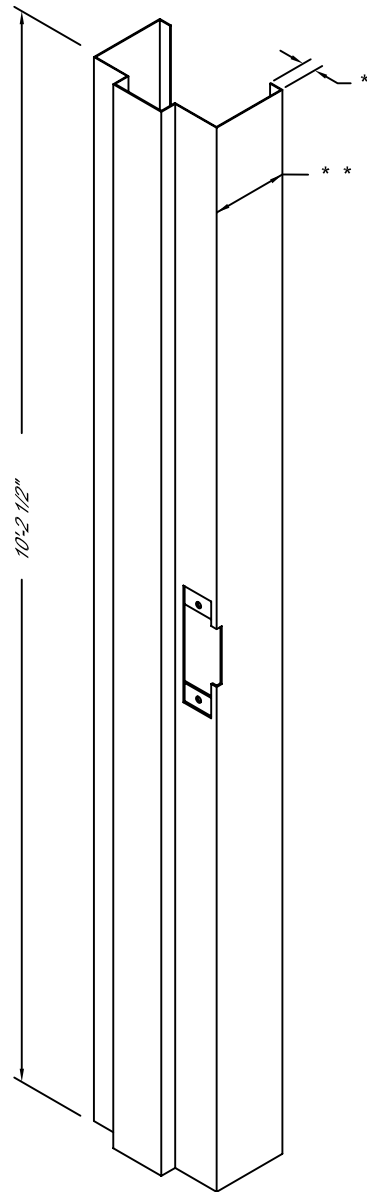
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SUBJECT: CORNER POST
 STICK MATERIAL FRAME SECTION
 16 GA., 14 GA. CRS OR GALV

SEE PAGE #26 FOR ASSMBLY



HINGE JAMB
FB2F



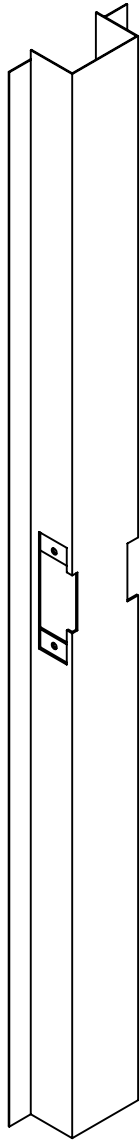
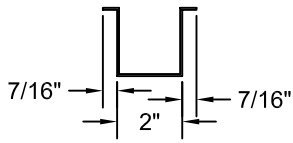
STRIKE JAMB
FB2F

ALL MATERIAL TO BE CLEANED, BONDERIZED AND PRIME PAINTED.

* EXCEPT 5 3/4", STICK RETURNS OTHER THAN 1/2" MUST BE SPECIFIED ON ORDER.
ON 5 3/4", 7/16" RETURNS ARE STANDARD. ALL OTHERS MUST BE SPECIFIED.

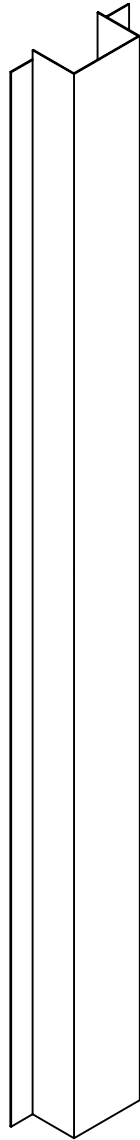
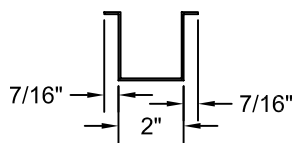
**FACE DIM. OTHER THAN 2" MUST BE SPECIFIED ON ORDER.

SUBJECT: STICK MATERIAL FRAME SECTION
16 GA., 14 GA. CRS OR GALV



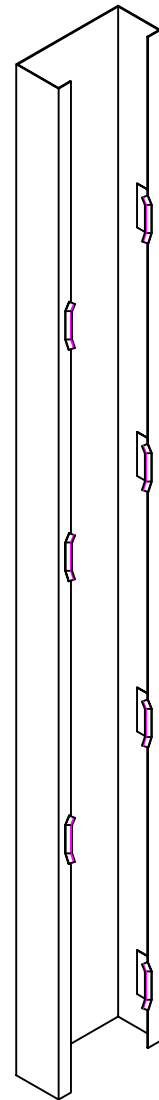
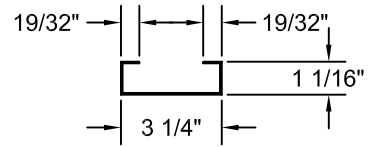
REMOVABLE MULLION
HARDWARE SECTION
UNIV. STRKIE PREP

SMHS



REMOVABLE MULLION
HARDWARE SECTION
BLANK

SMHS

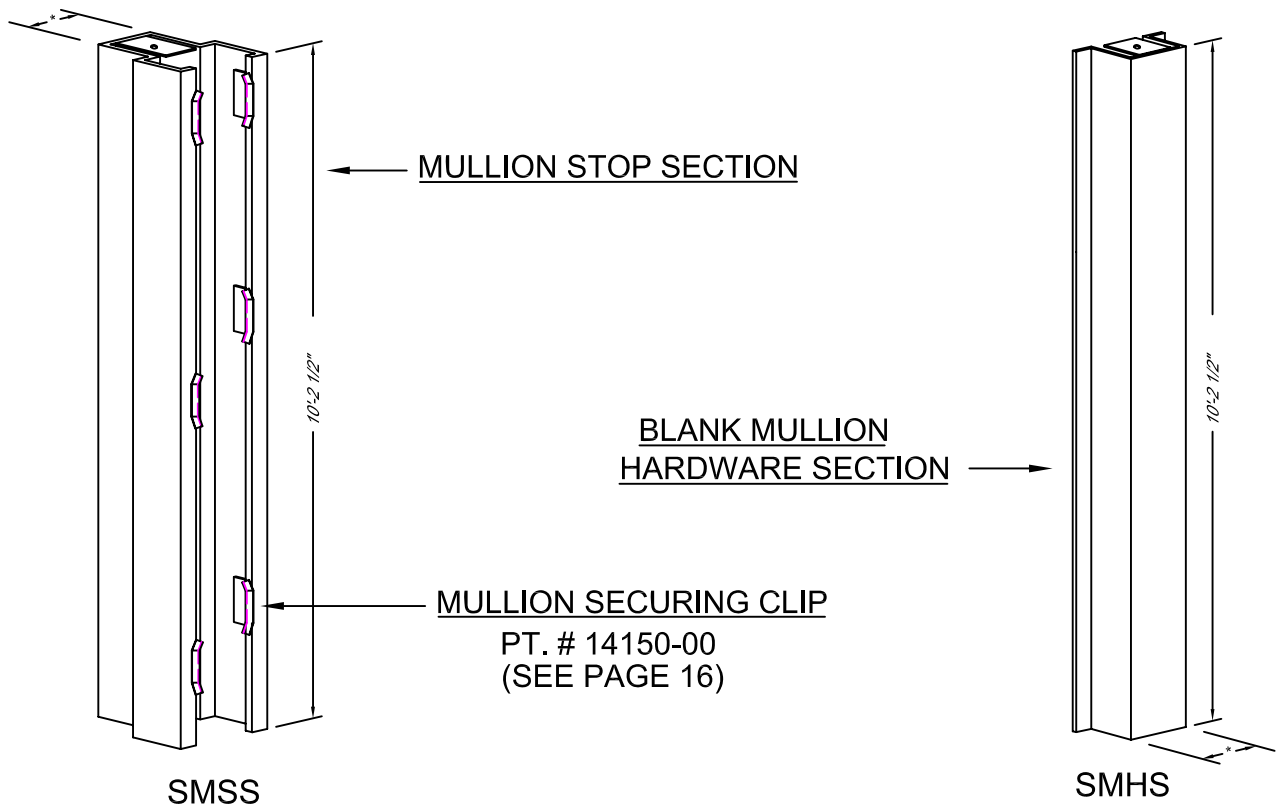


REMOVABLE MULLION
STOP SECTION

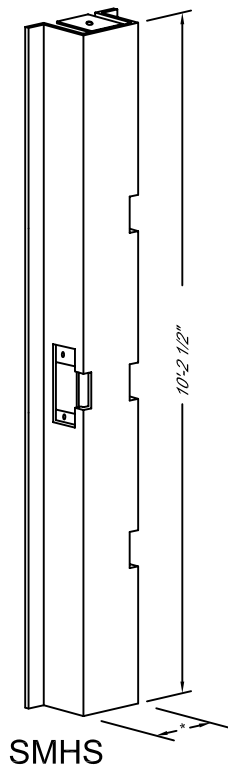
RMSS

ALL MATERIAL TO BE CLEANED, BONDERIZED AND PRIME PAINTED.

SUBJECT: REMOVABLE MULLION SECTION
STICK MATERIAL FRAME SECTION
16 GA., CRS OR GALV



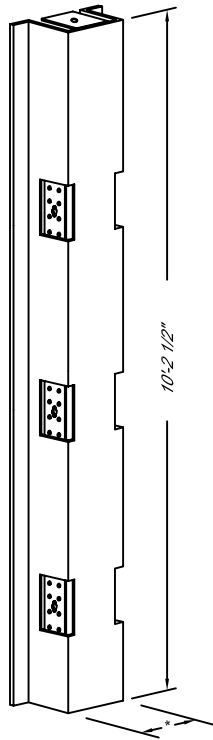
MULLION HARDWARE SECTION →
HINGE PREP. ON ONE SIDE
UNIV. STRKIE PREP. ONE SIDE



DETAILS THIS PAGE 4 3/4" - 8 3/4" JAMB DEPTHS ONLY.
 *FACE DIM. OTHER THAN 2" MUST BE SPECIFIED ON ORDER.
 SEE PAGE 10 FOR SECTIONS FURNISHED FOR FACE
 REQUIREMENTS OTHER THAN 2" AND JAMB DEPTHS OVER
 8 3/4".

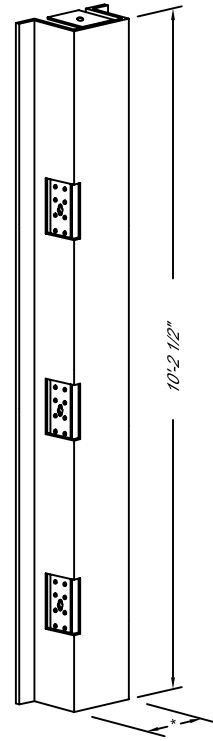
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SUBJECT: MULLION SECTION
 STICK MATERIAL FRAME SECTION
 16 GA., 14 GA CRS OR GALV



MULLION HARDWARE SECTION
HINGE PREP. BOTH SIDES

SMHS



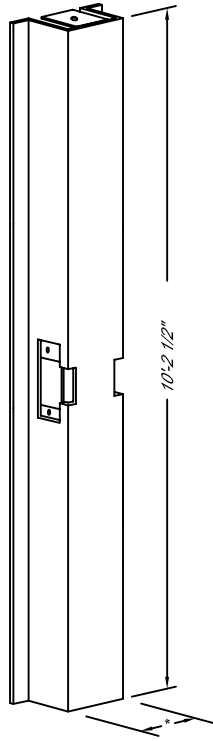
MULLION HARDWARE SECTION
HINGE PREP. ONE SIDE

SMHS

DETAILS THIS PAGE 4 3/4" - 8 3/4" JAMB DEPTHS ONLY.
*FACE DIM. OTHER THAN 2" MUST BE SPECIFIED ON ORDER.
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REQUIREMENTS OTHER THAN 2" AND JAMB DEPTHS OVER
8 3/4".

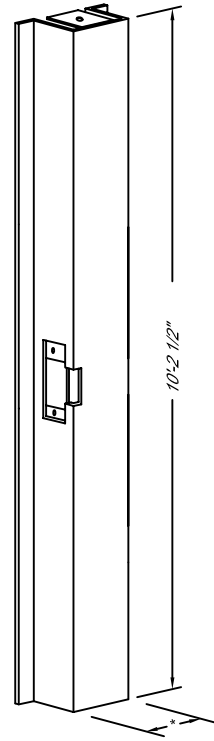
ALL MATERIAL TO BE CLEANED, BONDERIZED AND PRIME PAINTED.

SUBJECT: MULLION SECTION
STICK MATERIAL FRAME SECTION
16 GA., 14 GA CRS OR GALV



MULLION HARDWARE SECTION
STRIKE PREP. BOTH SIDES

SMHS



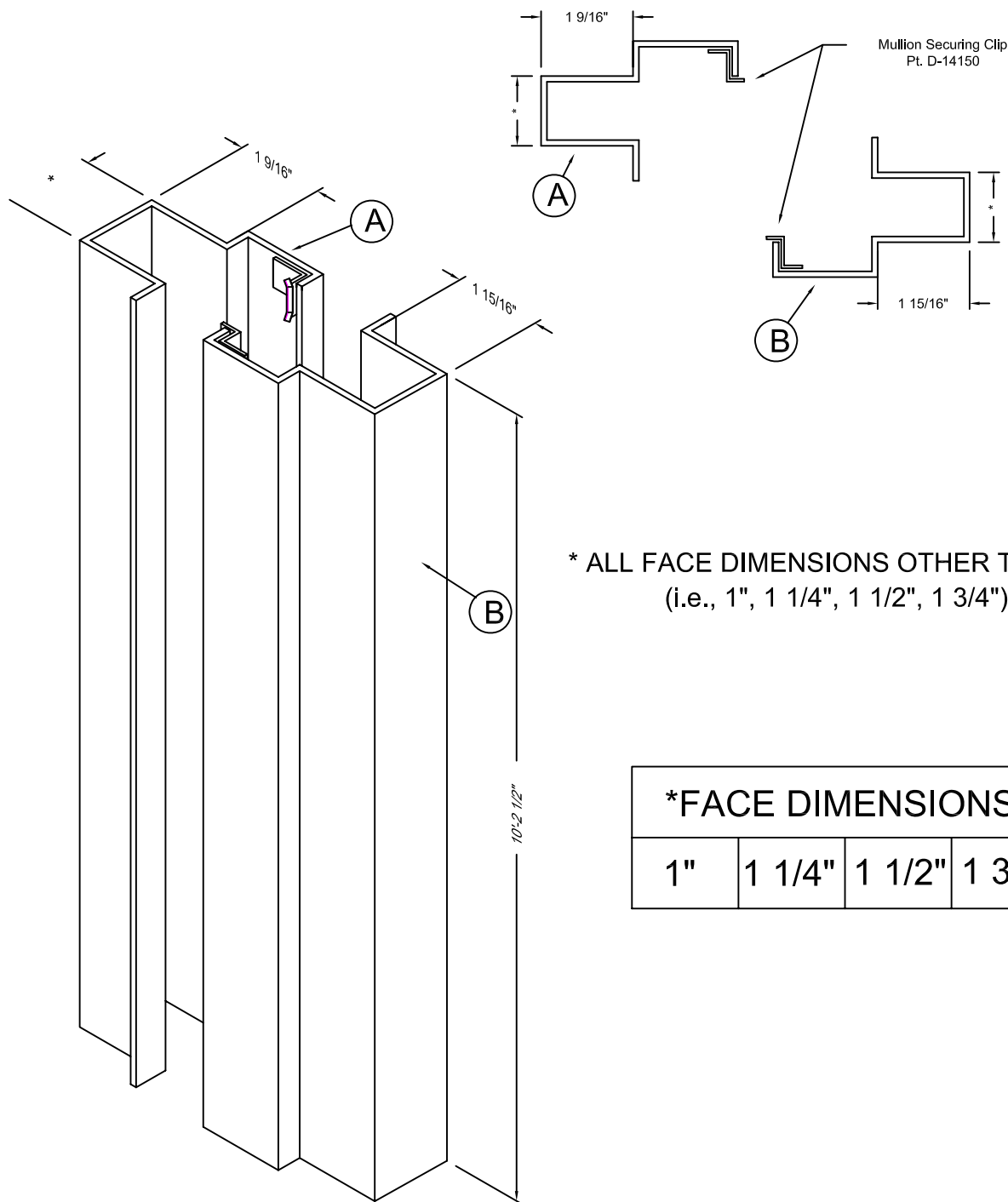
MULLION HARDWARE SECTION
STRIKE PREP. ONE SIDE

SMHS

DETAILS THIS PAGE 4 3/4" - 8 3/4" JAMB DEPTHS ONLY.
*FACE DIM. OTHER THAN 2" MUST BE SPECIFIED ON ORDER.
SEE PAGE 10 FOR SECTIONS FURNISHED FOR FACE
REQUIREMENTS OTHER THAN 2" AND JAMB DEPTHS OVER
8 3/4".

ALL MATERIAL TO BE CLEANED, BONDERIZED AND PRIME PAINTED.

SUBJECT: MULLION SECTION
STICK MATERIAL FRAME SECTION
16 GA., 14 GA CRS OR GALV



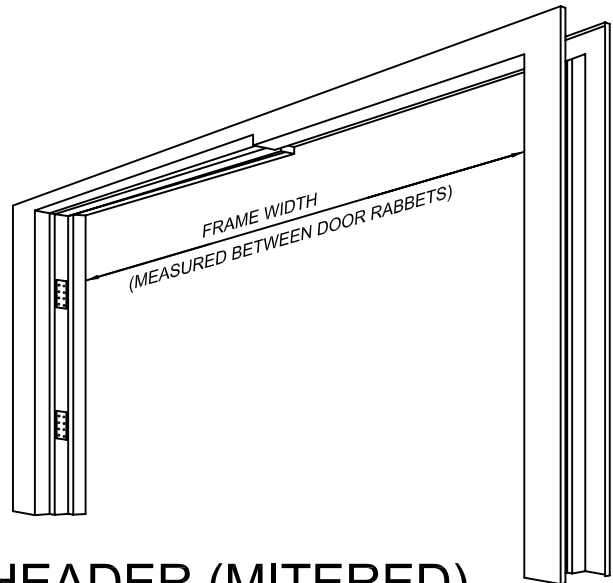
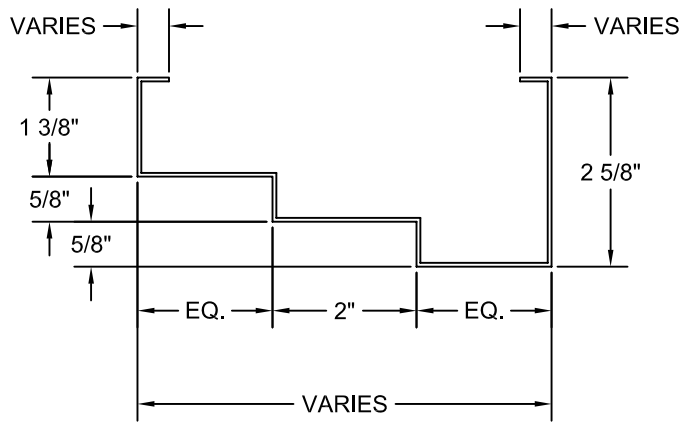
* ALL FACE DIMENSIONS OTHER THAN 2"
(i.e., 1", 1 1/4", 1 1/2", 1 3/4")

*FACE DIMENSIONS			
1"	1 1/4"	1 1/2"	1 3/4"

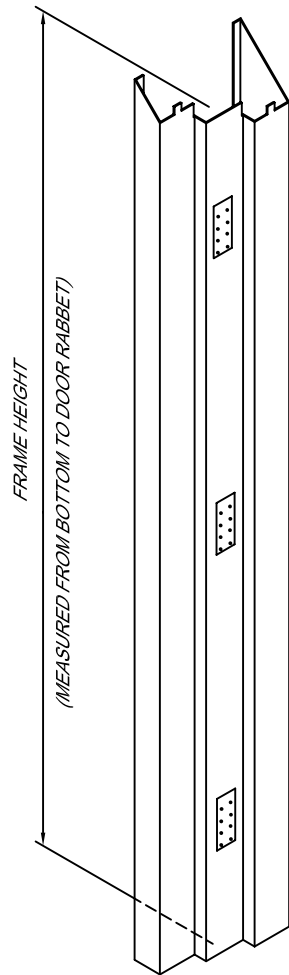
NOTE: FORMING PROCEDURES REQUIRE WE FURNISH THIS SECTION FOR ALL TUBE MULLIONS WITH SPECIAL FACE DIMENSION AND/OR JAMB DEPTH OVER 8 3/4". THIS PROFILE CAN ALSO BE USED FOR 2" FACE.

ALL MATERIAL TO BE CLEANED, BONDERIZED AND PRIME PAINTED.

SUBJECT: MULLION SECTION
STICK MATERIAL FRAME SECTION
16 GA., 14 GA CRS OR GALV



DOUBLE EGRESS HEADER (MITERED)

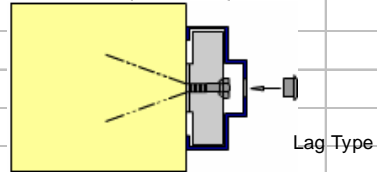
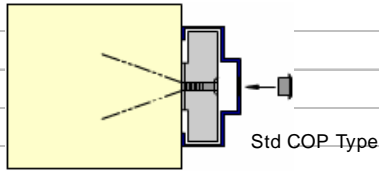


DOUBLE EGRESS JAMB (MITERED)

ALL MATERIAL TO BE CLEANED, BONDERIZED AND PRIME PAINTED.

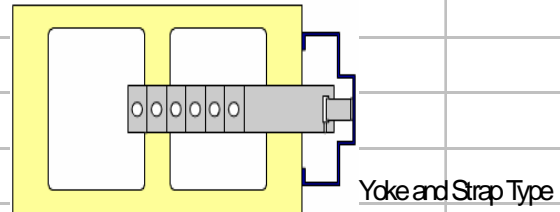
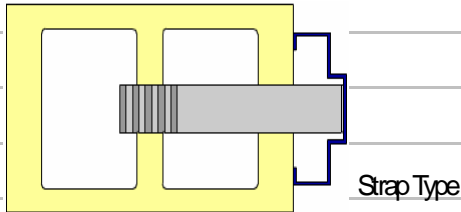
SUBJECT: MITERED DOUBLE EGRESS

COP - Completed Opening Anchors (Masonry Existing Opening)- RBC OPTIONS



Option	Description	Range	Part#	Type	Series	Notes	
COP-	Completed Opening Piercing (Standard Locations) 25/32" Hole	5-3/4" - 8-3/4"	5-3/4"	14194-01	Snap-In	400	Anchors Purchased Separately
COPS	Completed Opening Piercing (Special Locations) 25/32" Hole		6-3/4"	14194-02			
COW-	Completed Opening Anchors Welded In (Standard Locations) 25/32" Hole	5-3/4" - 8-3/4"	5-3/4" Thru 7-5/8"	14194-01	Weld-In		
	COWS		Completed Opening Anchors Welded In (Special Locations) 25/32" Hole	7-3/4" Thru 8-3/4"			
LP--	Completed Opening Piercing for LAG Bolt (Standard Locations) 7/8" Hole	5-3/4" - 8-3/4"	5-3/4"	14194-01	Snap-In	400	Anchors Purchased Separately
LPS-	Completed Opening Piercing for LAG Bolt (Special Locations) 7/8" Hole		6-3/4"	14194-02			
LW--	Completed Opening Piercing for LAG Bolt- Anchor Welded In (Standard Locations) 7/8" Hole	5-3/4" - 8-3/4"	5-3/4" Thru 7-5/8"	14194-01	Weld-In		
	LWS-		Completed Opening Piercing for LAG Bolt- Anchor Welded In (Special Locations) 7/8" Hole	7-3/4" Thru 8-3/4"			

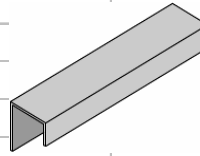
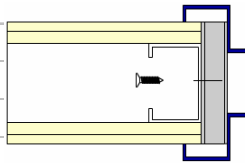
Masonry Block Wall - New Construction - RBC OPTIONS



Option	Description	Range	Part#	Type	Series	Notes	
MTW	Masonry Strap Type Anchor Welded In	3" and Up	3' to 4-3/4"	01444-02	WeldIn	400	Anchors will be welded into frame by BMD
			Over 4-3/4"	01444-03			
Y8SW	Yoke and Strap Type Anchor Welded In	3" - 13-3/4"	Yoke Part	14919-16	WeldIn	400	Anchors will be welded into frame by BMD
			Strap Part	14918-16			

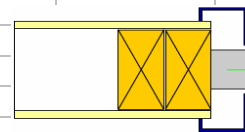
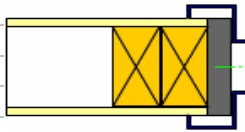
SUBJECT: MASONRY/ COMPLETED OPENING ANCHORS

Steel Stud Wall - New Construction - RBC OPTIONS



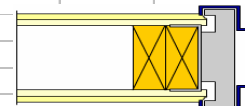
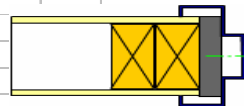
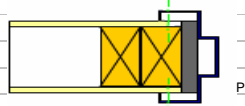
Option	Description	Range	Part#	Type	Series	Notes	
CW--	Channel Steel Stud Anchor Welded In (Standard Locations)	3" - 8-3/4"	3" - 3-3/4"	14600-04	Weld-In 2" Face	400	Anchors will be welded into frame by BMD
			4-3/4" - 5-1/4"	14600-01			
			5-3/4" - 6-1/4"	14600-02			
CWS-	Channel Steel Stud Anchor Welded In (Special Locations)		6-3/4" - 8-3/4"	14600-03	Weld-In Under 2" Face		
			4-3/4" - 5-1/4"	14602-01			
			5-3/4" - 6-1/4"	14602-02			
		6-3/4" - 8-3/4"	14602-03				

Punch and Draw Type Anchoring (Steel or Wood Stud Walls)- RBC OPTIONS



Option	Description	Range	Part#	Type	Series	Notes
PD--	Punched and Drawn Hole for 3/8" Bolt (Standard Locations)	3" and Up	NA	NA	400	Anchors must be supplied by customer. Drywall must be inserted at least 1/2" into the frame throat for Fire Rating
PDS-	Punched and Drawn Hole for 3/8" Bolt (Special Locations)					
PDFL	Punched and Drawn Hole for 3/8" Bolt (FEMA Locations)					
PDW-	Punched and Drawn Hole for 3/8" Bolt- Anchor Welded In (Standard Locations)	4-3/4" and Up	4-3/4" - 5-3/4" Hat Shap Spans Rabbets	Weld-In	400	Anchors will be welded into frame by BMD
PDWS	Punched and Drawn Hole for 3/8" Bolt- Anchor Welded In (Special Locations)		>5-3/4" & Up Hat in Soffet as Shown			

Wood Stud Anchoring (Alternate Punch & Draw and Weld-In) RBC OPTIONS



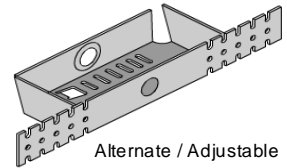
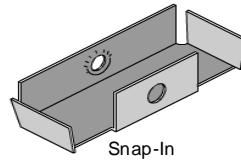
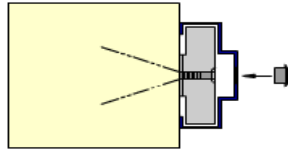
Option	Description	Range	Part#	Type	Series	Notes
PD12	Punched and Drawn Hole for #12 Wood Screw (Standard Locations)	3" and Up	NA	NA	400	Anchors must be supplied by customer. Drywall must be inserted at least 1/2" into the frame throat for Fire Rating
PD1S	Punched and Drawn Hole for #12 Wood Screw (Special Locations)					
PD8S	Punched and Drawn Hole for #8 Wood Screw in Face (Special Vertical Locations)					

*NOTE: PD8S is only available in the face of the frame and is has a limited backset from the return.

Option	Description	Range	Part#	Type	Series	Notes	
WSWI	Wood Stud Anchor Welded In	3-3/4" to 8-3/4"	3-3/4"	14103-00	Weld or Snap-In	400	Anchors will be welded into frame by BMD for this option. Snap-In varieties of these anchors are available.
			4-3/4"	14104-00			
			5-3/4"	14107-00			
			6-3/4"	14176-00			
			7-3/4"	14177-00			
			8-3/4"	14196-00			
			Adjustable Half*	14107-00			

SUBJECT: STEEL STUD, PUNCH & DRAW, WOOD STUD

SHIPPED LOOSE -COP(Completed Opening) Type Anchors

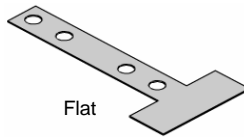
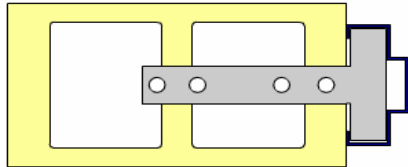


Option	Description	Range	Part#	Type	Page	Notes	
Shipped Loose	Completed Opening Anchor	5-3/4" - 8-3/4"	5-3/4"	14194-01	Snap-In	Parts (SOF9)	Anchors Purchased Separately
			6-3/4"	14194-02			
			5-3/4" Thru 7-5/8"	14194-01	Weld-In		
			7-3/4" Thru 8-3/4"	14194-02			
Shipped Loose	Alternate Completed Opening Anchor / Wood Stud Combination Anchor	5-3/4" - 8-3/4"	5-3/4"	14107-00	Weld or Snap-In	Anchors snap or can be welded into throat.	
			Adjustable Half*	14107-00			
			*Up to 8-3/4"				

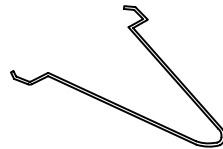
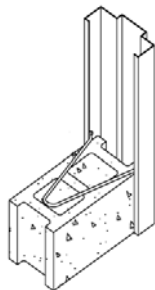
Completed Opening Accessories

Option	Description	Range	Part#	Type	Page	Notes	
Shipped Loose	Hole Plugs						
		Black for 3/4" Dia. Hole	14195-00	Snap-In	SOF-9		
		Other Colors, Dia. And Depths Available	14195-**		SOF-9		
	Dynabolt - Steel Sleeve Anchoring Bolt						
		3" Length - 3/8" Shaft Dia.	14161-01	Bolt	SOF-9		
	4" Length - 3/8" Shaft Dia.	14161-02	SOF-9				

SHIPPED LOOSE- Masonry (New Block Wall Construction) Type Anchors



Option	Description	Range	Part#	Type	Notes
FLAT TYPE					
Shipped Loose	Flat Metal to be used with 2" Face Frames	4-3/4" Jamb Depth	01433-05	Snap-In	4-19/32" Head to fit between Rabbet and Returns
	Flat Metal to be used with 2" Face Frames	5-3/4" Jamb Depth	01433-09	Snap-In	5-19/32" Head to fit between Rabbet and Returns

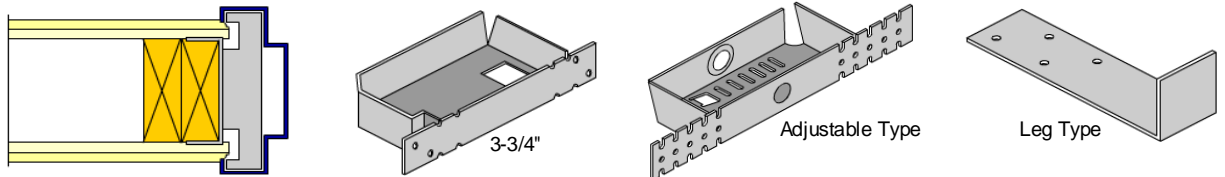


Shipped Loose	Masonry Anchor - 3/16" Wire - Part# 0149700
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SUBJECT: COP, MASONRY

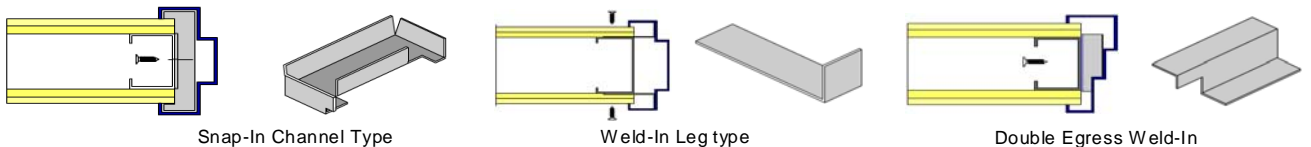
Option	Description	Range	Part#	Type	Series	Notes	
RFLA	Floor Anchor Welded-In with leg extending into door opening.	3" to 8-3/4"	See Below	Weld-In	400	Anchors will be welded into frame by BMD	
Shipped Loose							
Shipped Loose		3" - 8-3/4"	3"-3-3/4"	01416-01	Weld-In	400	Anchors to be welded into frame by Customer
			4-3/4"	01416-03			
			5-3/4"	01416-05			
			6-3/4"	01416-06			
			7-3/4"	01416-07			
			8-3/4"	01416-08			

SHIPPED LOOSE- Wood Stud (New Wall Construction) Type Anchors



Option	Description	Range	Part#	Type	Page	Notes
Shipped Loose	Snap-In Wood Stud Anchor	3-3/4" Jamb Depth	14103-00	Snap-In	SOF-9	3.625" Snap in Variety with Bendable Legs to wrap wood stud.
	Completed Opening Anchor / Wood Stud Combination Anchor	5-3/4"	14107-00	Weld or Snap-In		Anchors snap or can be welded into throat.
		Adjustable Half*	14107-00			
		*Up to 8-3/4"				
Weld-In Type Leg Anchor	Double Egress (All Profiles) & 1" Thru 1-1/4" Jamb Depth Standard Frame	01427-00	Weld-In	SOF-10	Anchor Legs are Welded to the Internal Frame Soffit and are typically	

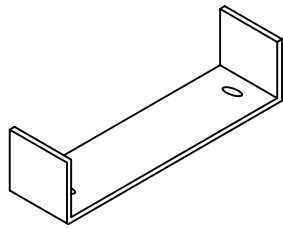
SHIPPED LOOSE- Steel Stud (New Wall Construction) Type Anchors



Option	Description	Range	Part#	Type	Page	Notes
Snap-In Type						
Shipped Loose	Channel Stud Anchor	3-3/4" Jamb Depth	14114-01	Snap-In or Weld-In	SOF-9	Snap in Variety -Screw Mounted to Frame
		4-3/4" Jamb Depth	14115-01		Price Book	
		5-3/4" Jamb Depth	14117-01			
Weld-In Type						
Shipped Loose	Weld-In Type Leg Anchor	Double Egress 5-3/4" - Special Profile	01428-01	Weld-In	SOF-10	5-1/4" Leg Dimension - Screwed in Place prior to wall board
		Double Egress 6-3/4" - Special Profile	01428-02			6-1/4" Leg Dimension - Screwed in Place prior to wall board
	Weld-In Type Steel Stud Anchor	Double Egress 4-3/4" Thru 12-3/4"	14268-00			Screw applied to steel stud

Note: Drywall must be inserted at least 1/2" into the frame throat for Fire Rating

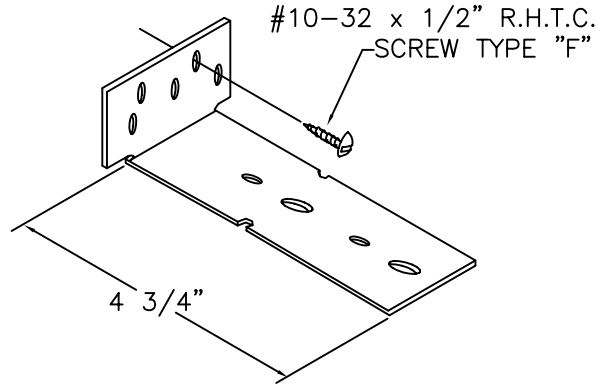
SUBJECT: FLOOR ANCHOR, WOOD STUD, STEEL STUD



LOOSE BASE ANCHOR

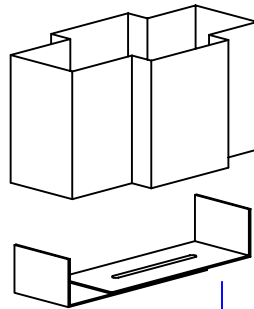
16 GA. MAT'L

- 4 3/4" – Part No. 01477-01
- 5 3/4" – Part No. 01477-03
- 6 3/4" – Part No. 01477-04
- 7 3/4" – Part No. 01477-05
- 8 3/4" – Part No. 01477-06



FLOOR ANCHOR EXTENSION

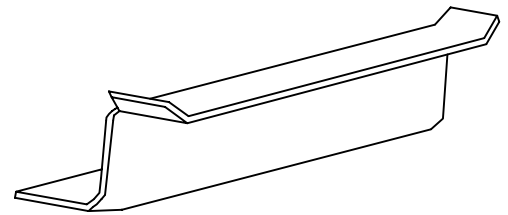
16 GA. MAT'L
Part No. 14109-00



16 GA. MAT'L
Part No. 14110-00

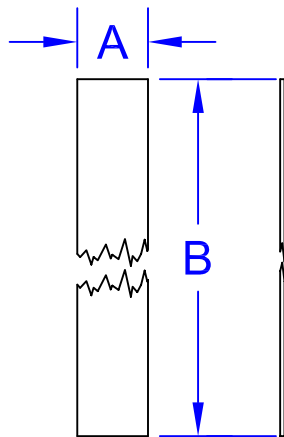
ADJUSTS TO FIT MULLION DEPTHS 4 3/4" & UP

ADJUSTABLE MULLION BASE ANCHOR



16 GA. MAT'L
Part No. 14150-00

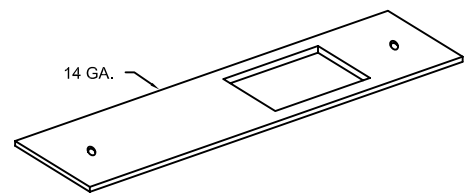
MULLION SECURING CLIP



ITEM NO.	DIM. A	DIM. B	GA.
01	1 1/2"	16"	14
02	1"	16"	14
03	7/8"	16"	14
05	3"	16"	14

Part No. 1417-XX

CLOSER REINF.

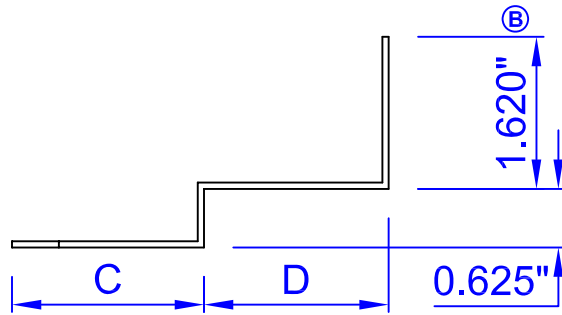


14 GA.

Part No. 14146-00

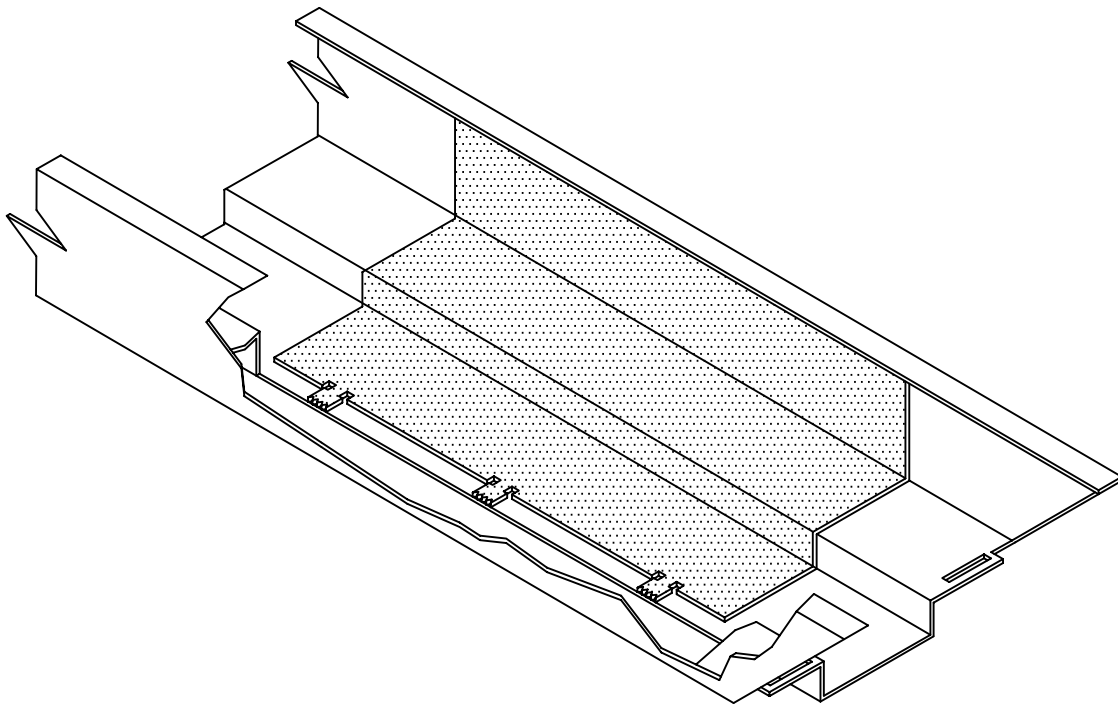
HEADER FLUSH BOLT STRIKE

SUBJECT: MISCELLANEOUS REINFORCING



NOTE: Bend Deductions are based on TRUMABEND Forming.

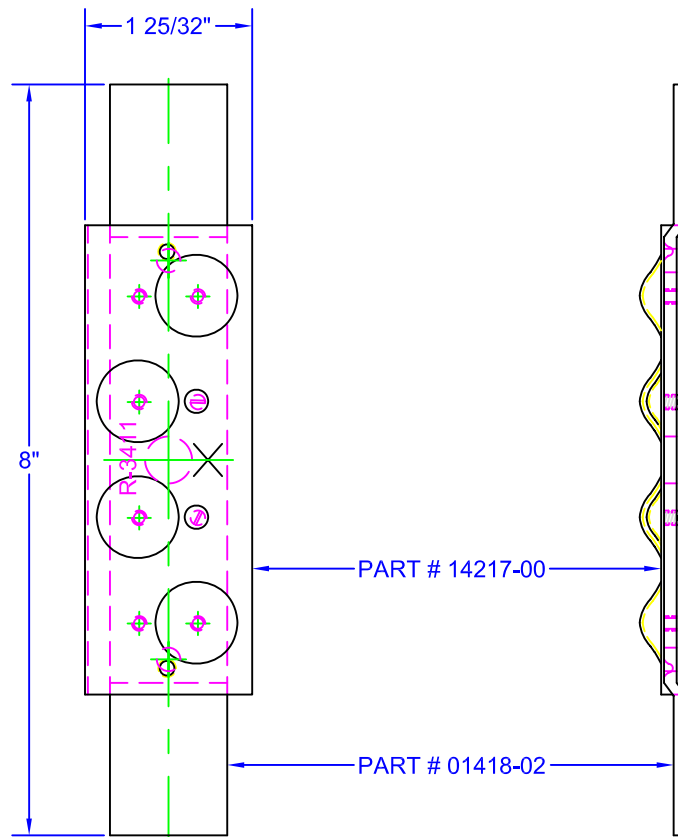
14GA .071" GALV.
16" X DIM B
INDIVIDUAL PART SIZE



PART#	DESC.	DIM A	DIM B	DIM C	DIM D
SIC475	4-3/4" J.D.	4.627"	5.127"	1.205"	1.968"
SIC575138	5-3/4" J.D. (1-3/8)	5.252"	5.752"	2.205"	1.593"
SIC575	5-3/4" J.D.	5.627"	6.127"	2.205"	1.968"
SIC675	6-3/4" J.D.	6.627"	7.127"	3.205"	1.968"

SUBJECT: SNAP-IN CLOSER REINF.

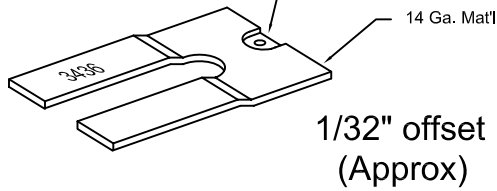
OPTION 450
USED IN CONJUNCTION WITH OPTIONS 043S AND 04HJ



PART# 01426-00
4 1/2" HINGE & PLASTER GUARD ASSMBLY

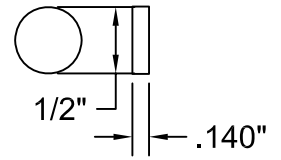
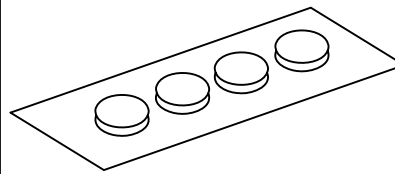
SUBJECT: 4 1/2" HINGE & PLASTER GUARD ASSMBLY

#8-32 Tap
Retap to 10-24 or 12-24
when req'd.



Part No. 03436-01

MISC. HARDWARE REINF.



POLYURETHANE MATERIAL
GREY COLOR

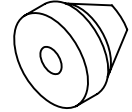
Part No. 03455-00

STICK ON MUTES

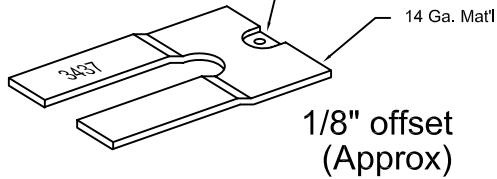
RUBBER MUTES
GREY COLOR

Part No. 01471-00

PUSH IN MUTES

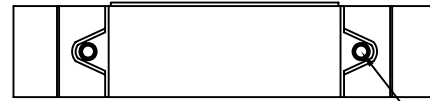


#8-32 Tap
Retap to 10-24 or 12-24
when req'd.



Part No. 03437-01

MISC. HARDWARE REINF.

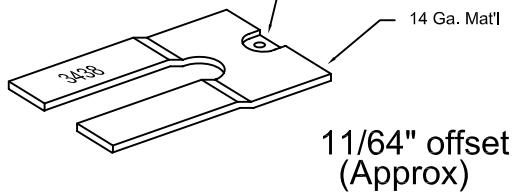


Csk & Extruded
hole, Drill & Tap for #12-24

Part No. 01425-00

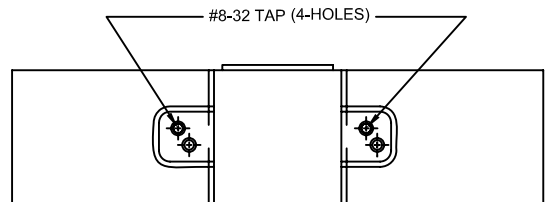
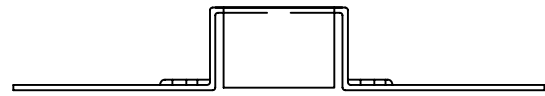
UNIV. STRIKE REINF.

#8-32 Tap
Retap to 10-24 or 12-24
when req'd.



Part No. 03438-01

MISC. HARDWARE REINF.



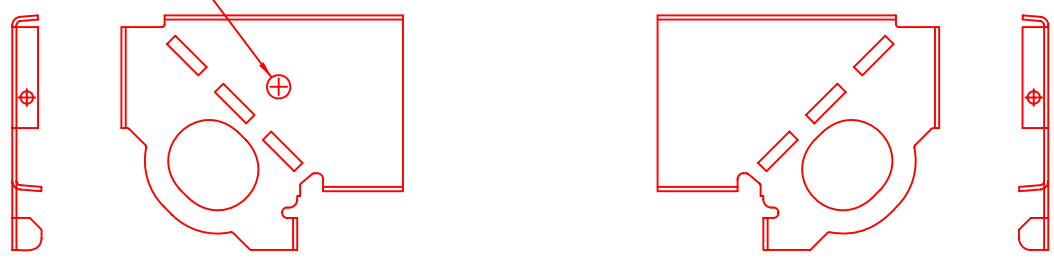
Part No. 01419-00

FED. 161 STRIKE REINF.

SUBJECT: MISCELLANEOUS REINFORCING

For LH
Identification
.250 DIA.

RH SHOWN-NO ID HOLE



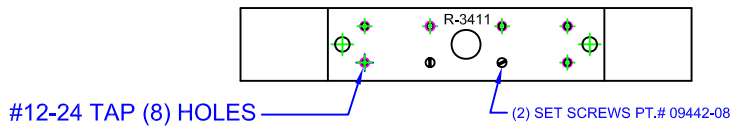
LH SHOWN

RH SHOWN

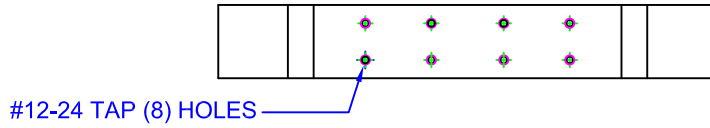
PART NUMBER	SIDE	IDENTIFICATION HOLE
01424-09	LH	YES
01424-10	RH	NO

NOTE: MUST BE ORDERED IN PAIRS

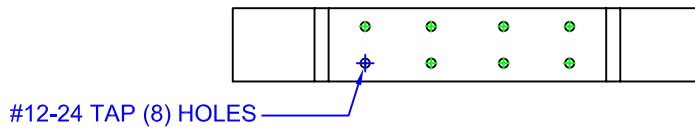
SUBJECT: CORNER REINFORCEMENTS
(GUSSETS)



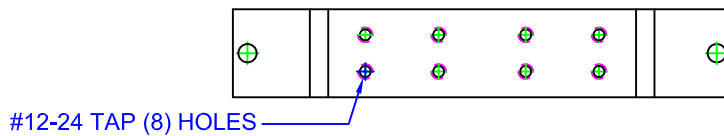
OPTION 450
 PART NO. 01418-02
 4 1/2" STD/HD WT 10 GA. REINF.
 WITH SET SCEWS



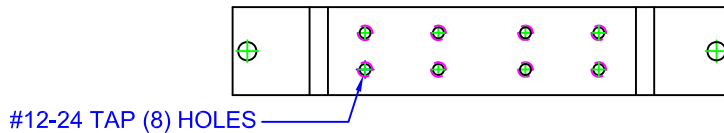
OPTION 457
 PART NO. 14178-00
 4 1/2" STD WT 7 GA. REINF.



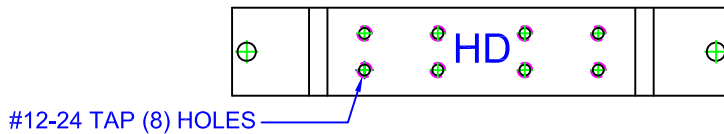
OPTION 45H
 PART NO. 24900-01
 4 1/2" HVY WT 7 GA. REINF. 180



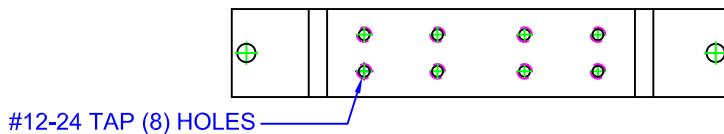
OPTION 500
 PART NO. 14171-00
 5" STD WT 10 GA. REINF.



OPTION 507
 PART NO. 24901-00
 5" STD WT 7 GA. REINF.



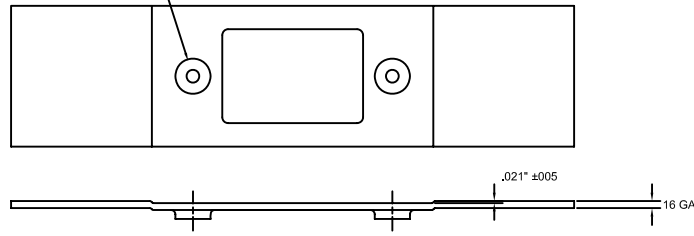
OPTION 5H1
 PART NO. 64155-02
 5" HD WT 10 GA. REINF. 180



OPTION 5HD
 PART NO. 24901-01
 5" HD WT 7 GA. REINF. 180

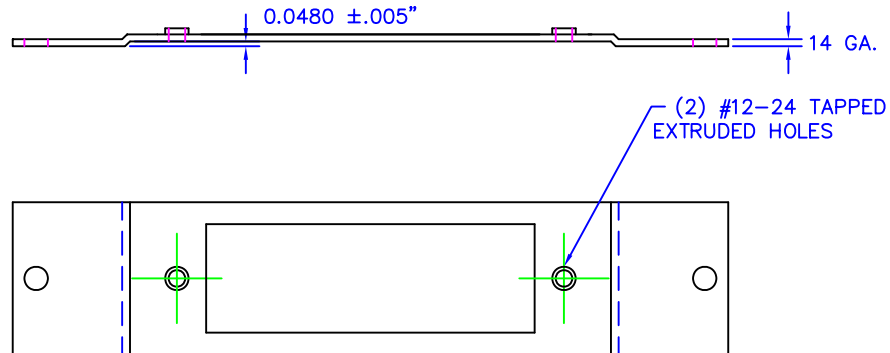
SUBJECT: FRAME HINGE REINFORCEMENTS
 WITHOUT WELD PROJECTIONS

PUNCH #29 (.139" DIA.)
TAP #8-32, 2 HOLES



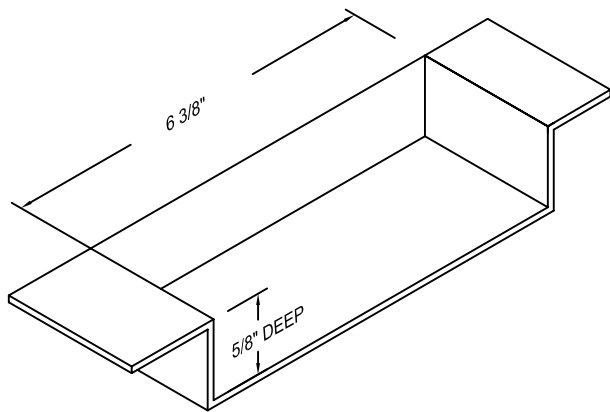
PART NO. 64122-00

161 STRIKE REINF.



PART NO. 64123-00

UNIV. STRIKE REINF.

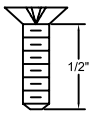
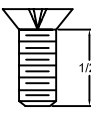
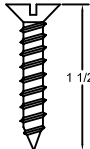
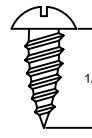
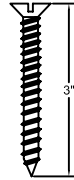
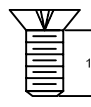
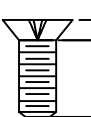

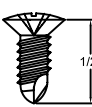
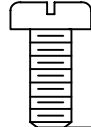
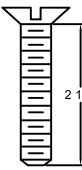
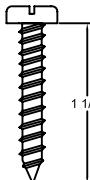
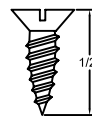

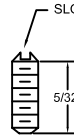

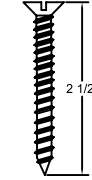
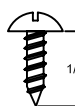
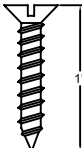
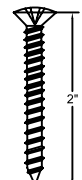


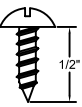
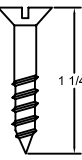
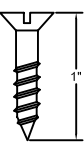
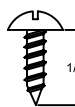

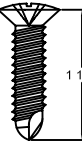
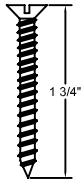


PLASTER GUARD

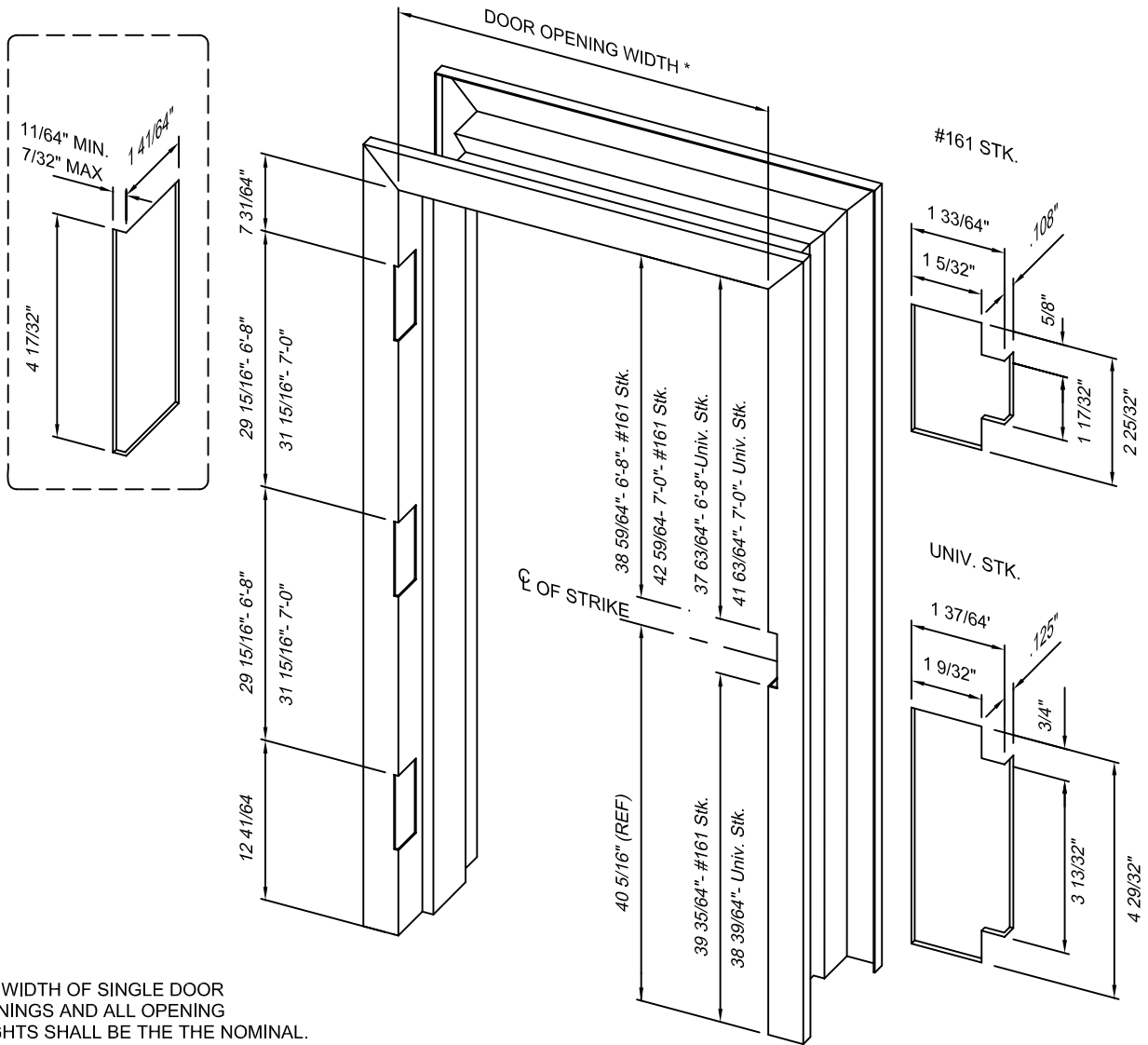
PART NO. 01420-00

FRAME STRIKE/ HINGE PLASTER
GUARD FOR THE TOP TWO
STRIKE REINFORCEMENTS
AND 5" HINGES ON PAGE:21
SEE MISC. PARTS PAGE: 19. THESE
CLIPS PART NO. 03436-01 ARE
USED FOR FLUSH BOLT PREPS IN
HEADERS, THIS PLASTER GUARD
GOES OVER THE PREP.

SUBJECT: FRAME STRIKE REINFORCEMENTS AND PLASTER GUARD

<p>A - #09442-01 PHILLIPS U CUT</p>  <p>USED FOR #160 & #161 LOCKS FILLERS & STRIKES</p> <p>#8-32 X 1/2" MACH. SCREW</p>	<p>B - #09442-02 PHILLIPS U CUT</p>  <p>USED FOR 3 1/2" X 3 1/2" HINGE</p> <p>#10-24 X 1/2" MACH. SCREW</p>	<p>O - #09443-07</p>  <p>FOR STEEL END CAPS</p> <p>#10 X 1 1/2" FLAT HEAD</p>	<p>P - #09443-08</p>  <p>FOR REMOVABLE MULLION & SPLIT ASTRAGAL</p> <p>#10 X 1/2" R.H.S.M.S.</p>	<p>J - #09443-02</p>  <p>#8 X 3" FLAT HEAD</p>
<p>C - #09442-03 PHILLIPS U CUT</p>  <p>USED FOR DBL ACTING HG. FED #86 LOCKS STRIKES & FILLERS, AND 4 1/2" X 4 1/2" HG</p> <p>#12-24 X 1/2" MACH. SCREW</p>	<p>D - #09442-04 PHILLIPS U CUT</p>  <p>USED FOR DBL ACTING HG. FED #86 LOCKS STRIKES & FILLERS, AND 4 1/2" X 4 1/2" HG</p> <p>#12-24 X 3/4" MACH. SCREW</p>	<p>Q - #09443-09</p>  <p>FOR SCREEN DOORS</p> <p>#8 X 3/4" T.H.S.M.S. BRIGHT FINISH</p>	<p>R - #09443-10</p>  <p>FOR A.C. GRILLES</p> <p>#8-18 X 1/2" PHIL. OVAL TEKS</p>	
<p>E - #09442-05</p>  <p>FOR CEILING STRUTS W/ CLIPS</p> <p>1/4"-20 X 5/8" MACH. SCREW PAN HEAD</p>	<p>F - #09442-06</p>  <p>FOR COMP. OPENING ANCHORS</p> <p>3/8"-16 X 2 1/2" MACH. SCREW</p>	<p>S - #09443-11</p>  <p>FOR 5500 TRANSOM PANEL</p> <p>#10 X 1 1/2" P.H.S.M.S. (TYPE #F)</p>	<p>T - #09443-12</p>  <p>FOR 5500 TRANSOM PANEL</p> <p>#10-24 X 1/2" FLAT U CUT T.C.S.</p>	
<p>G - #09442-07</p>  <p>USE W/ PN. D14157</p> <p>1/4"-20 X 5/8" R.H.M.S.</p>	<p>H - #09442-08</p>  <p>USE W/ HINGE PN. 1418-01 & 24113-01</p> <p>#12-24 X 5/32" SLOTTED HEAD</p>	<p>U - #9441-02</p>  <p>FOR DRYWALL HEADER CONNECTION SLOT</p> <p>3/8" LONG OVAL HEAD DRIVE SCREW</p>	<p>V - #09443-14</p>  <p>FOR 5600 TRANSOM PANEL</p> <p>#12 X 2 1/2" PHIL. F.H.S.M.S.</p>	
<p>I - #09443-01</p>  <p>FOR #155 STANLEY FLOOR HINGE</p> <p>#4 X 1/2" ROUND HEAD</p>	<p>J - #09443-02</p>  <p>#8 X 1/2" FLAT HEAD</p>	<p>W - #09443-15</p>  <p>FOR DUTCH DOOR DRYALL FRAME</p> <p>#8 X 2" PHIL. HEAD OVAL S.M.S.</p>	<p>X - #09443-16</p>  <p>FOR DRYWALL FRAME CORNER</p> <p>#8 X 3/8" PHIL. ROUND HEAD</p>	
<p>K - #09443-03</p>  <p>FOR GLAZING MOULDING</p> <p>#8-18 X 1" PHIL. OVAL TEKS</p>	<p>L - #09443-04</p>  <p>FOR DUTCH DOOR SHELF</p> <p>#12 X 1/2" ROUND HEAD</p>	<p>Y - #09443-17</p>  <p>4 1/2" X 4 1/2" HINGE</p> <p>#12 X 1 1/4" PHIL. F.M.W.S.</p>	<p>Z - #09443-18</p>  <p>3 1/2" X 3 1/2" HINGE 4 X 4 HINGE</p> <p>#10 X 1" PHIL. F.H.W.S.</p>	
<p>M - #09443-05</p>  <p>FOR LOOSE AST. FIELD APPLIED</p> <p>#8 X 1/2" TRUSS HEAD</p>	<p>N - #09443-06</p>  <p>FOR INSERTED COMM'L LOUVERS</p> <p>#8 X 1/4" PAN HEAD</p>	<p>AA - #09443-19</p>  <p>FOR GLAZING MOULDING</p> <p>#8-18 X 1 1/4" PHIL. OVAL TEKS</p>	<p>BB - #09443-20</p>  <p>#12 X 1 3/4" PHIL. F.H.S.M.S.</p>	

SUBJECT: MACHINE & SHEET METAL SCREWS



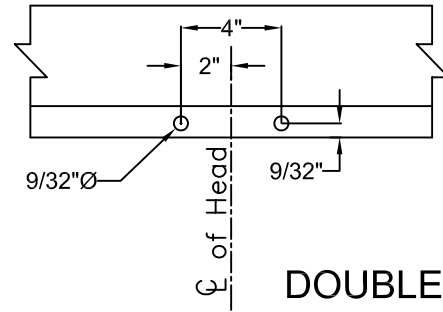
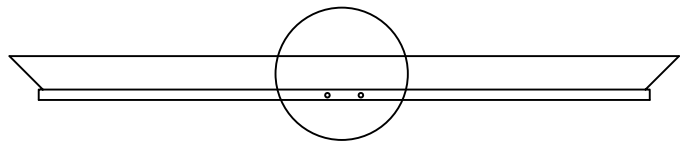
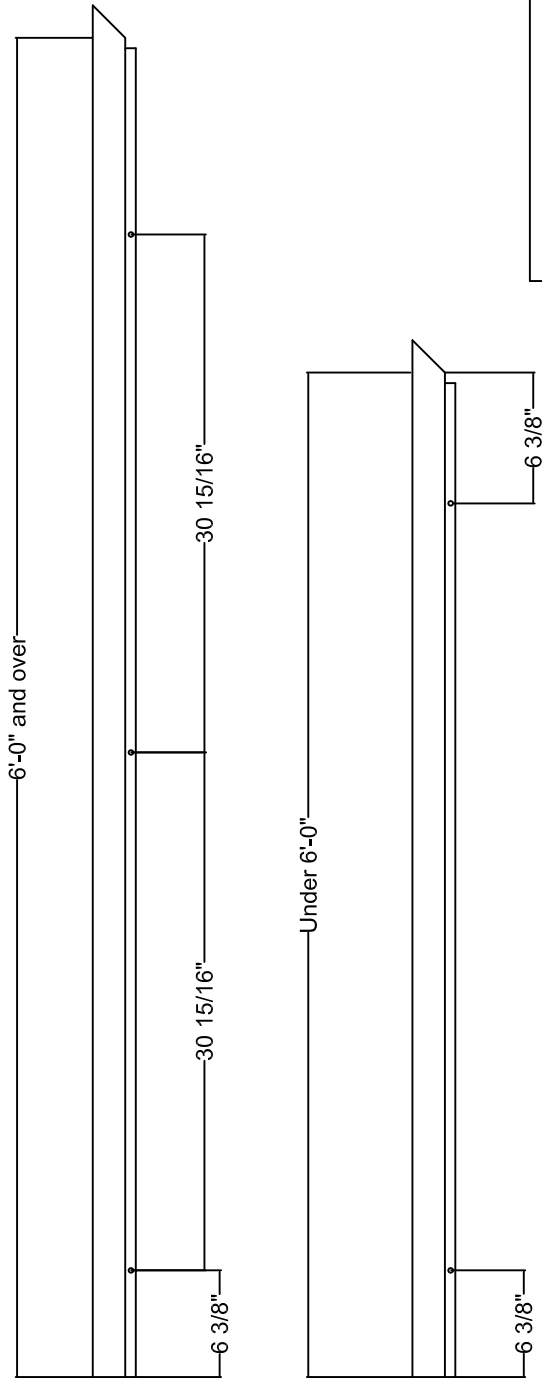
SUBJECT: HARDWARE LOCATION DETAILS

Fab-a-Frame

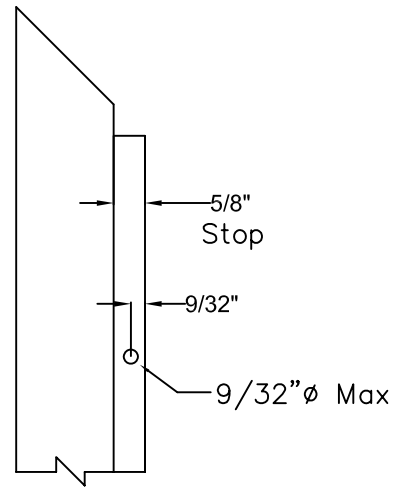
DATE: 3/2012

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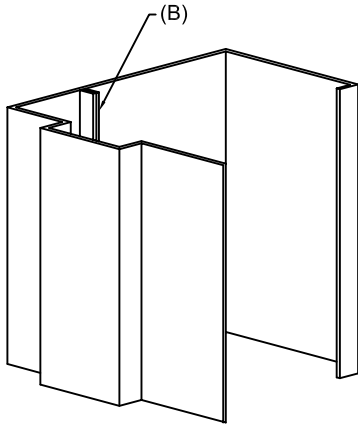
JAMBS



DOUBLE HEADER

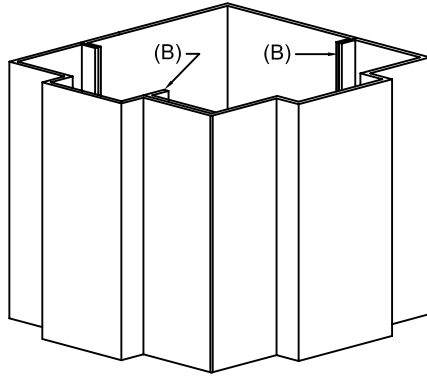


SUBJECT: HARDWARE LOCATION DETAILS FOR MUTE HOLES



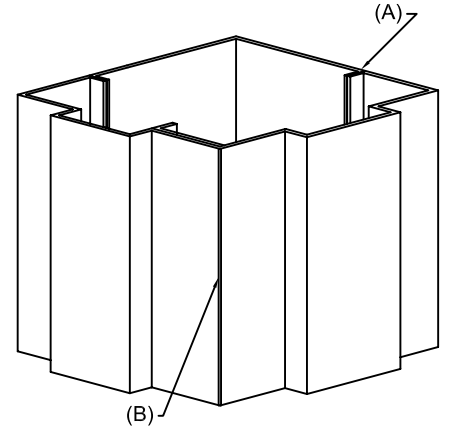
①

- A) CLAMP PIECES TOGETHER.
- B) TACKWELD ON INSIDE OF RETURNS ON APPROX. 8" CENTERS AS SHOWN.



②

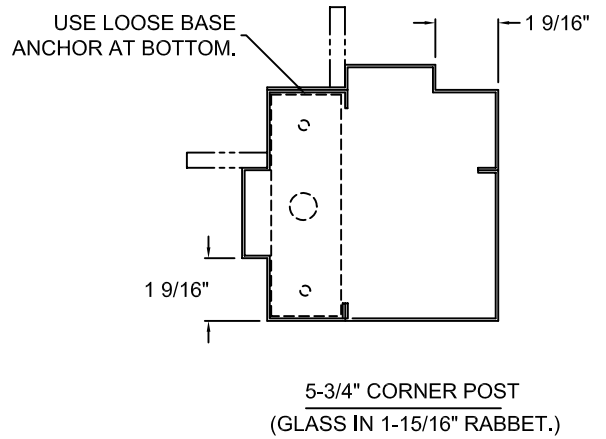
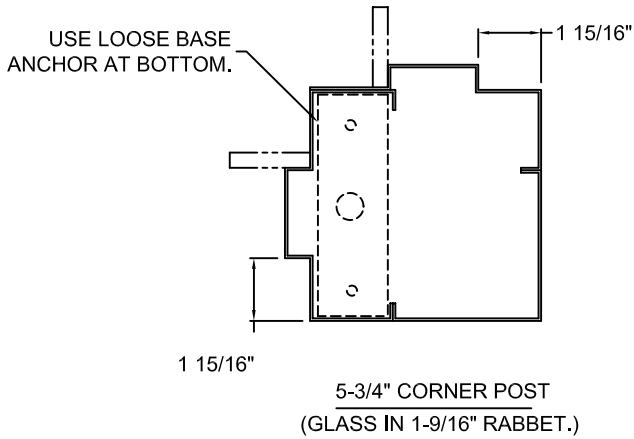
- A) CLAMP BLANK 5-3/4" STICK IN PLACE.
- B) TACKWELD ON INSIDE OF RETURNS AS SHOWN, TOP AND BOTTOM.



③

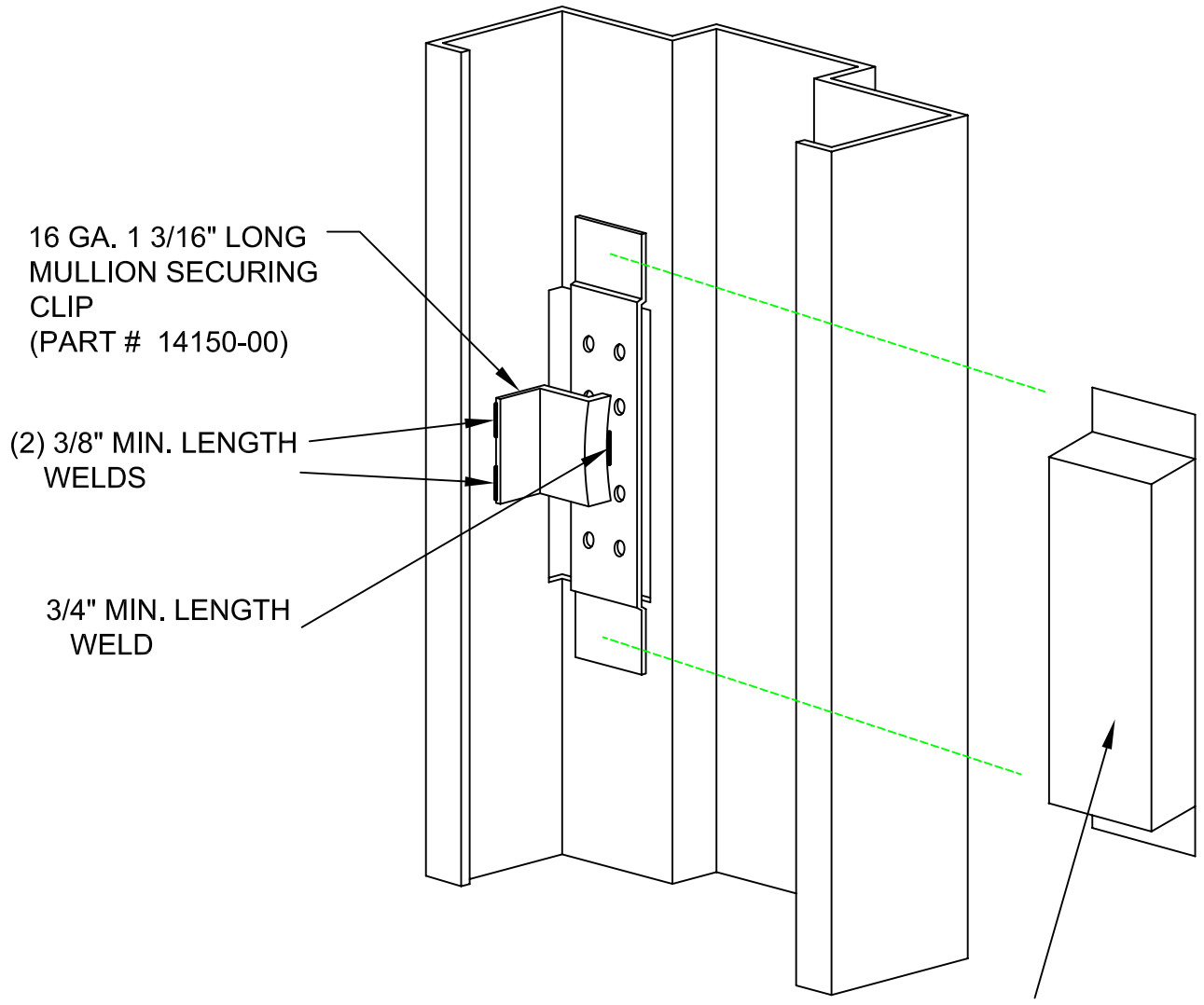
- A) TACKWELD ANGLE PIECE TO BLANK STICK ON OUTSIDE, APPROX. 8" ON CENTER AND GRIND SMOOTH.
- B) TACKWELD CORNER POST JAMB TO BLANK STICK, APPROX. 8" ON CENTER. GRIND WELDS AND FULL LENGTH OF CORNER FOR SMOOTH AND RADIUSED APPEARANCE.

NOTE: SEE FAF PAGE# 4 FOR COMPONENT BASE ITEMS.



SEE PAGE # 4 FOR CORNER POST PARTS

SUBJECT: CORNER POST ASSEMBLY



16 GA. 1 3/16" LONG
MULLION SECURING
CLIP
(PART # 14150-00)

(2) 3/8" MIN. LENGTH
WELDS

3/4" MIN. LENGTH
WELD

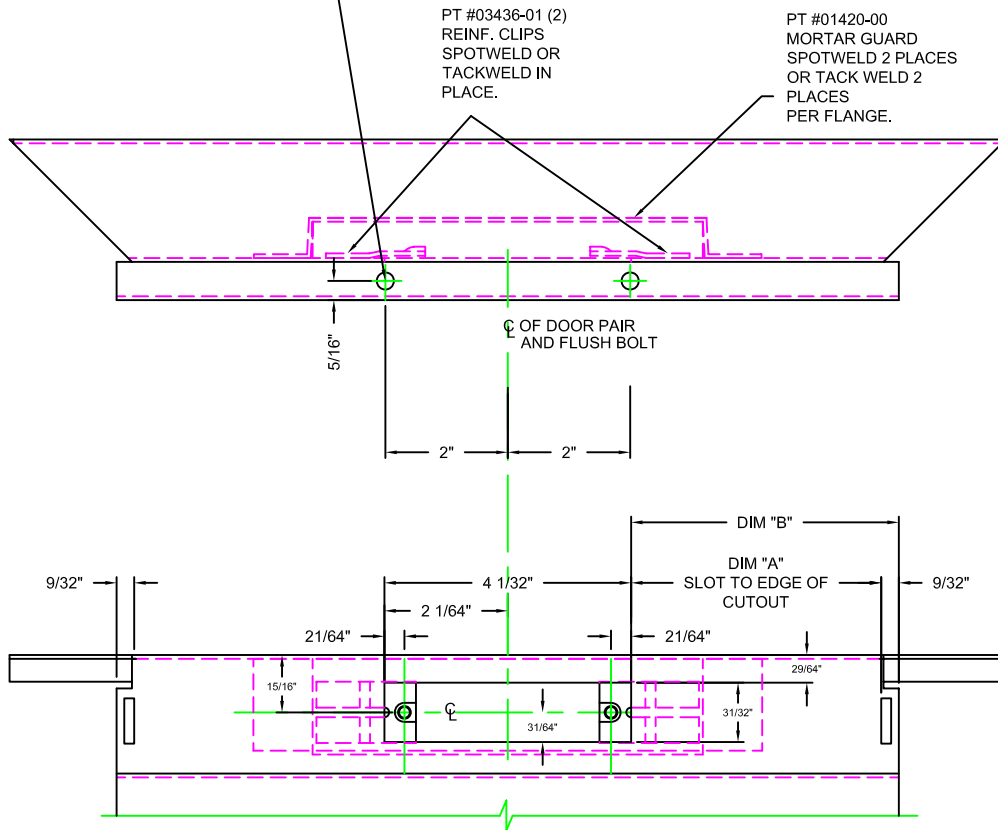
USE PLASTER GUARD, PART # 01420-00

PREPARATION SUGGESTED AT TOP HINGE ONLY.
ALTERNATE: TOP AND BOTTOM HINGE.

SUBJECT: HEIGH FREQUENCY HINGE BACKUP

OPTIONAL: STICK ON MUTES
 PART # 03455-00 SEE FAF PAGE # 19

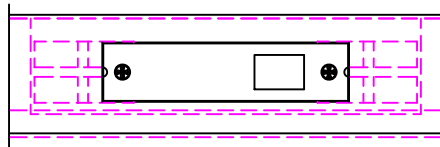
OPTIONAL: DRILL 9/32" HOLE FOR
 PUSH IN MUTE PART # 01471-00 SEE FAF PAGE # 19



FB- UNIVERSAL FLUSH BOLT IN A DOUBLE HEADER

INACTIVE DOOR SIZE	DIM. "A"
2'-0"	21 15/16"
2'-4"	25 15/16"
2'-6"	27 15/16"
2'-8"	29 15/16"
2'-10"	31 15/16"
3'-0"	33 15/16"
3'-4"	37 15/16"
3'-6"	39 15/16"
3'-8"	41 15/16"
4'-0"	45 15/16"

INACTIVE DOOR SIZE	DIM. "B"
2'-0"	22 7/32"
2'-4"	26 7/32"
2'-6"	28 7/32"
2'-8"	30 7/32"
2'-10"	32 7/32"
3'-0"	34 7/32"
3'-4"	38 7/32"
3'-6"	40 7/32"
3'-8"	42 7/32"
4'-0"	46 7/32"

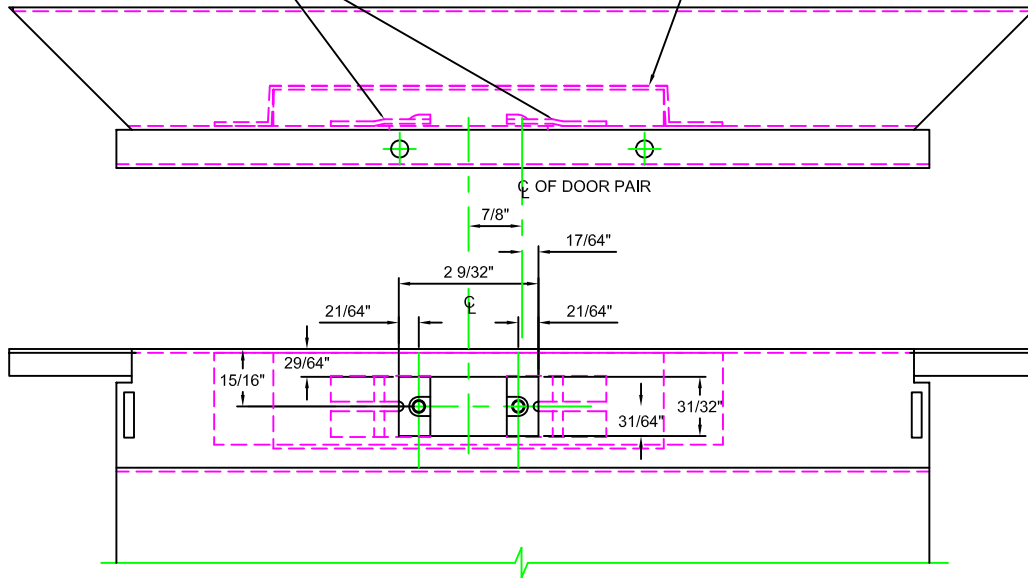


OPTIONAL FILLER PLATE
 PT #14146-00
 FB STRIKE FILLER
 PT #09442-01 (2)
 SCREWS

SUBJECT: ANSI A115 FLUSH BOLT DETAILS

PT #03436-01 (2)
REINF. CLIPS
SPOTWELD OR TACK
WELD IN PLACE

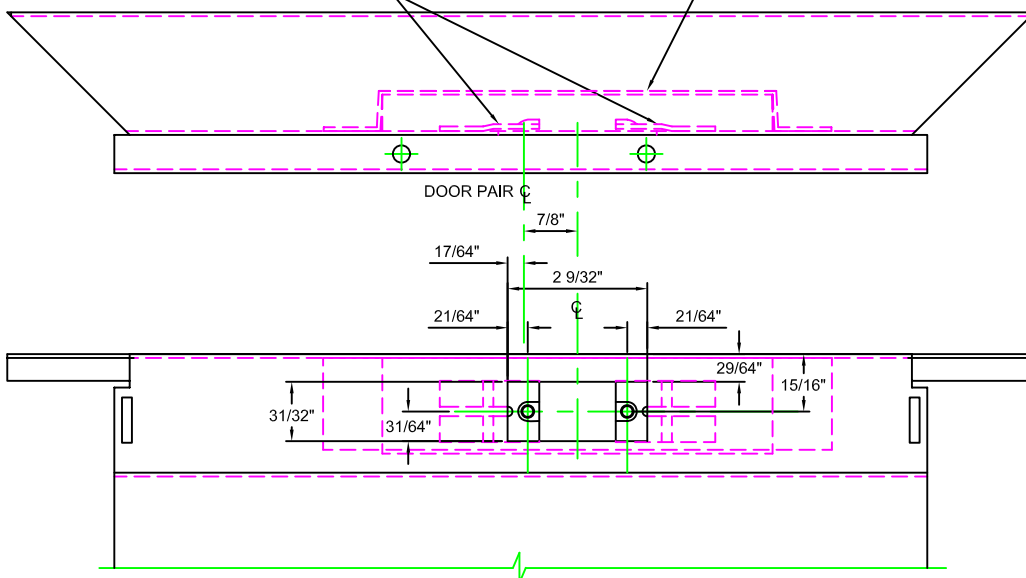
PT #01420-00
MORTAR GUARD
SPOTWELD OR TACK
WELD 2 PLACES
PER FLANGE.



LF- LEFT HAND ACTIVE FLUSH BOLT IN A DOUBLE HEADER

PT #03436-01 (2)
REINF. CLIPS
SPOTWELD OR TACK
WELD IN PLACE

PT #01420-00
MORTAR GUARD
SPOTWELD OR TACK
WELD 2 PLACES
PER FLANGE.



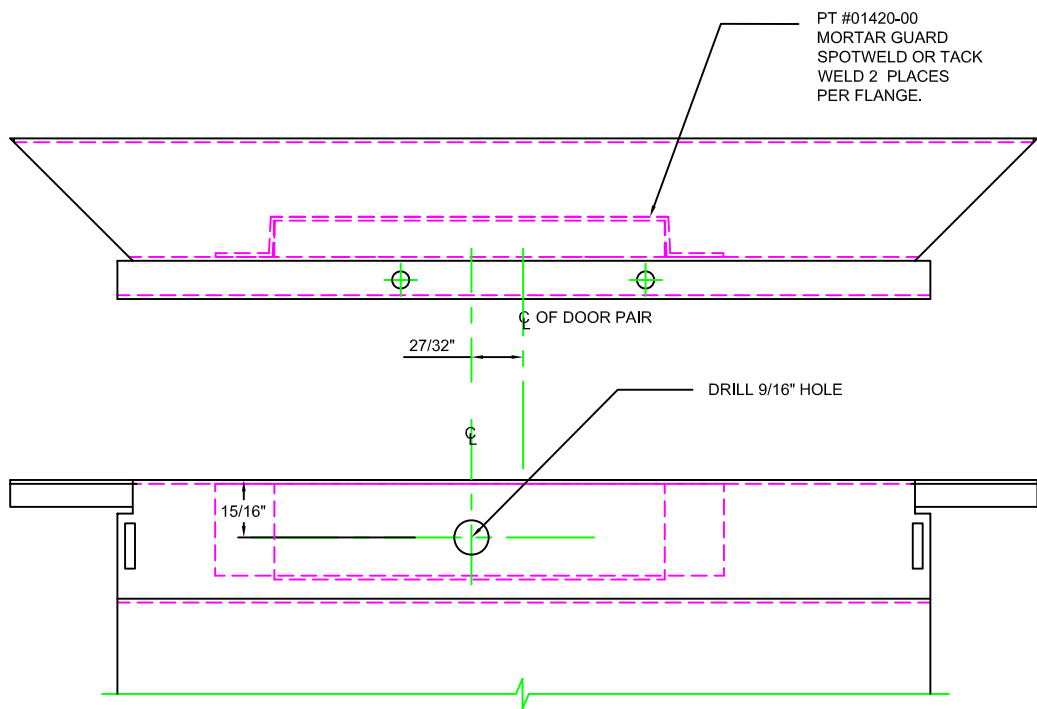
RF- RIGHT HAND ACTIVE FLUSH BOLT IN A DOUBLE HEADER

SUBJECT: ANSI A115 FLUSH BOLT DETAILS

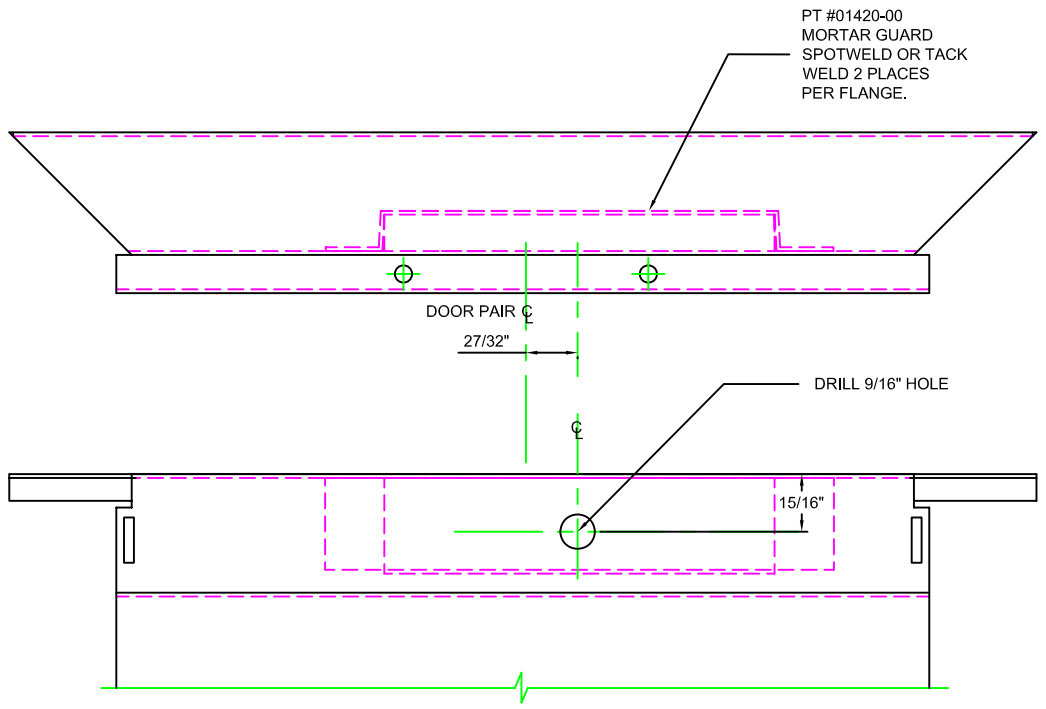
Fab-a-Frame

DATE: 3/2012

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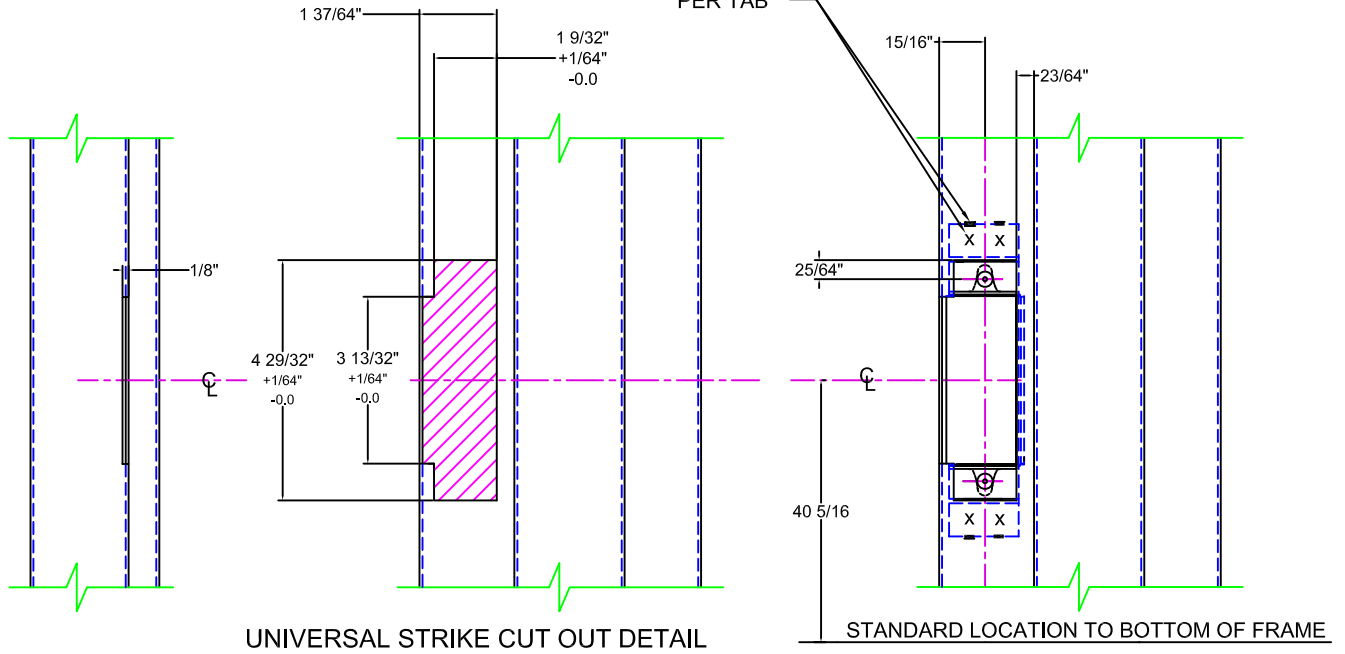
LF- LEFT HAND ACTIVE FLUSH BOLT IN A DOUBLE HEADER



RF- RIGHT HAND ACTIVE FLUSH BOLT IN A DOUBLE HEADER

SUBJECT: ALTERNATE ANSI A115 FLUSH BOLT DETAILS

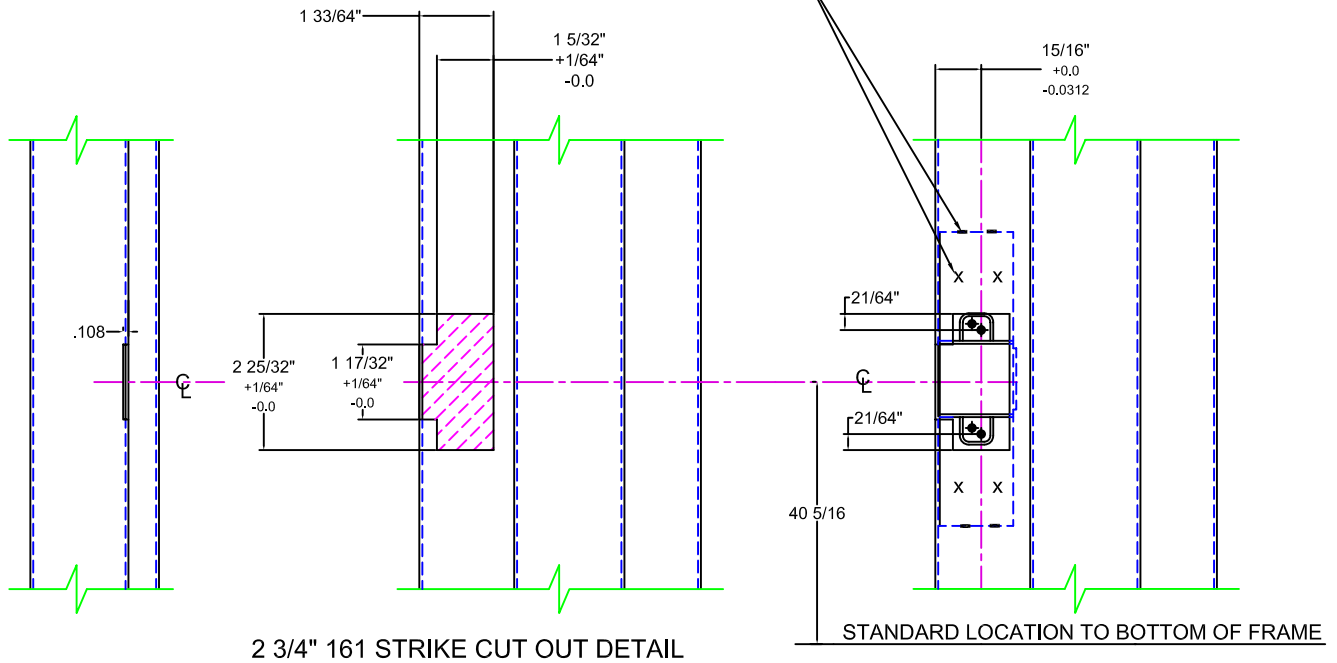
PT #01425-00
2 SPOTWELDS OR TACKWELDS
PER TAB



UNIVERSAL STRIKE CUT OUT DETAIL

STANDARD LOCATION TO BOTTOM OF FRAME

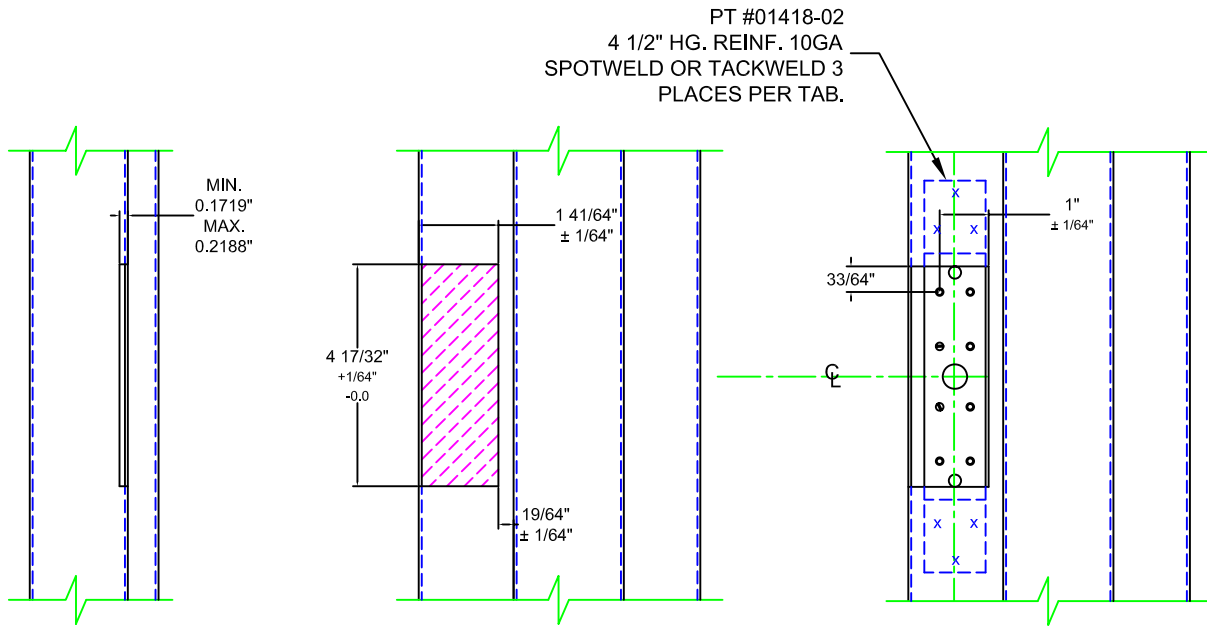
PT #01419-00
2 SPOTWELDS OR TACKWELDS
PER TAB



2 3/4" 161 STRIKE CUT OUT DETAIL

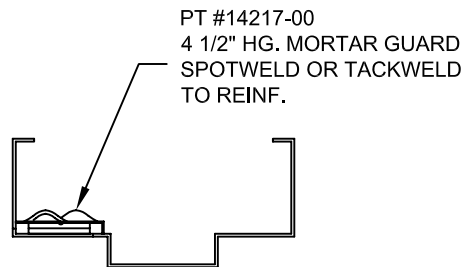
STANDARD LOCATION TO BOTTOM OF FRAME

SUBJECT: HARWARE CUT OUT AND REINF.

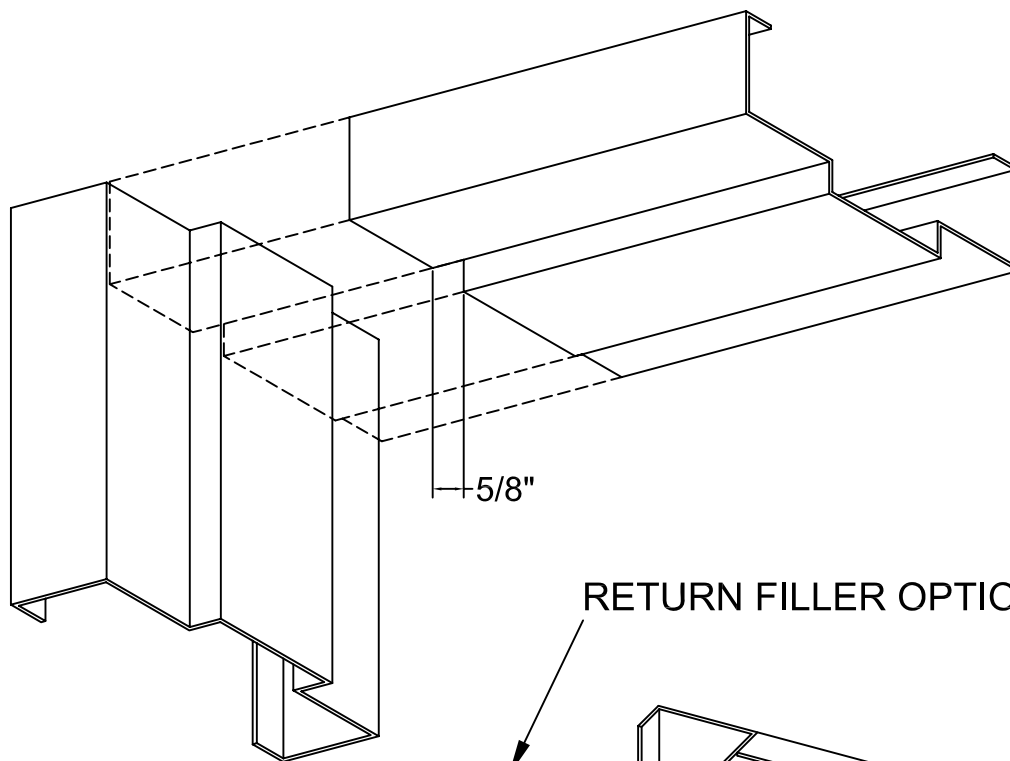


4 1/2" STD HINGE CUTOUT DETAIL

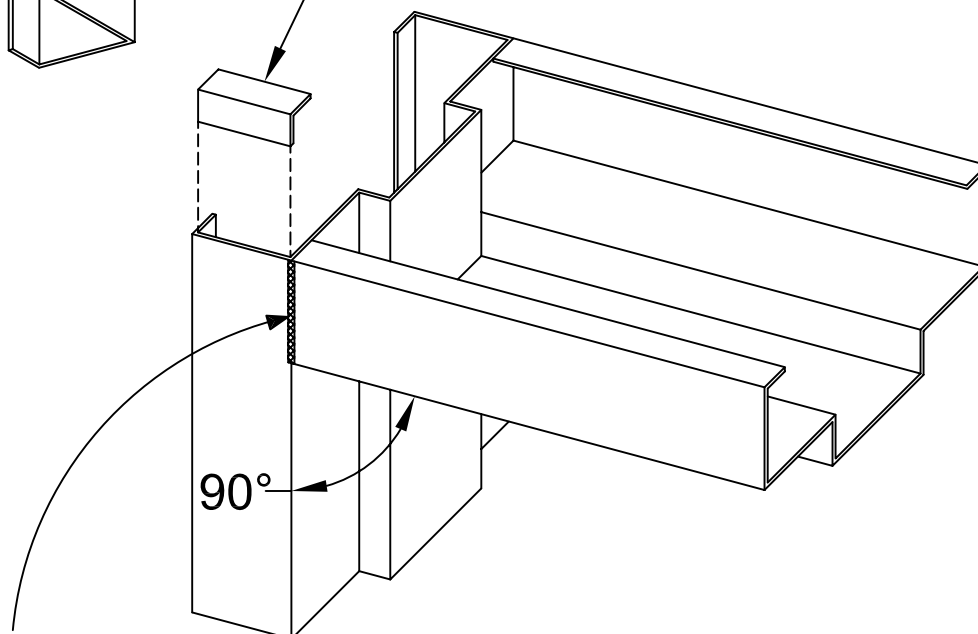
4 1/2" STD HINGE SUB-ASSEMBLY DETAIL



SUBJECT: HARWARE CUT OUT AND REINF.



RETURN FILLER OPTIONAL PT# 14139-02



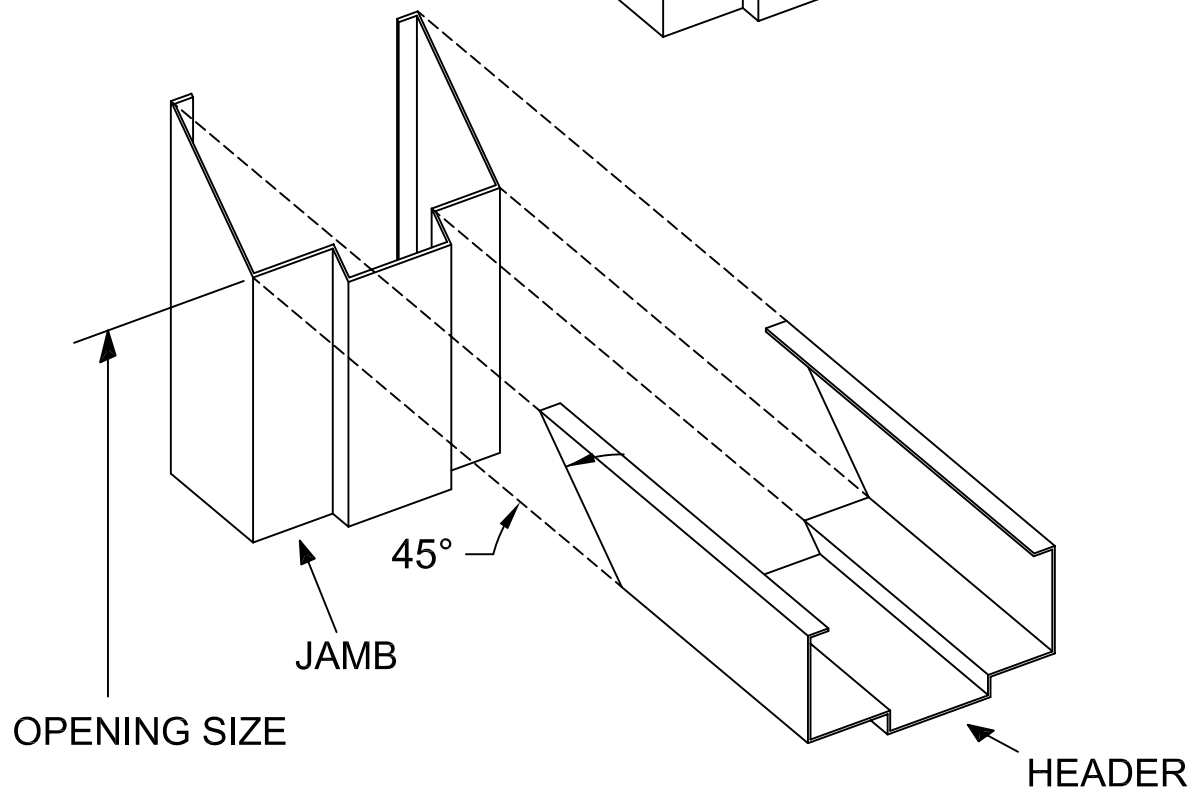
WELD AND GRIND SMOOTH.

SQUARE CORNER WELDED ASSEMBLY

- A. NOTCH HEADER STOP AS SHOWN.
- B. PLACE HEADER IN POSITION AND CLAMP AT 90 DEG.
- C. WELD FACE JOINTS AS SHOWN ON BOTH SIDES.
- D. GRIND EXPOSED WELDS ON FACES TO A SMOOTH FINSH.

SUBJECT: SQUARE CORNER NOTCH AND WELD

WELD AND GRIND SMOOTH
EXPOSED MITER BOTH
FACES.

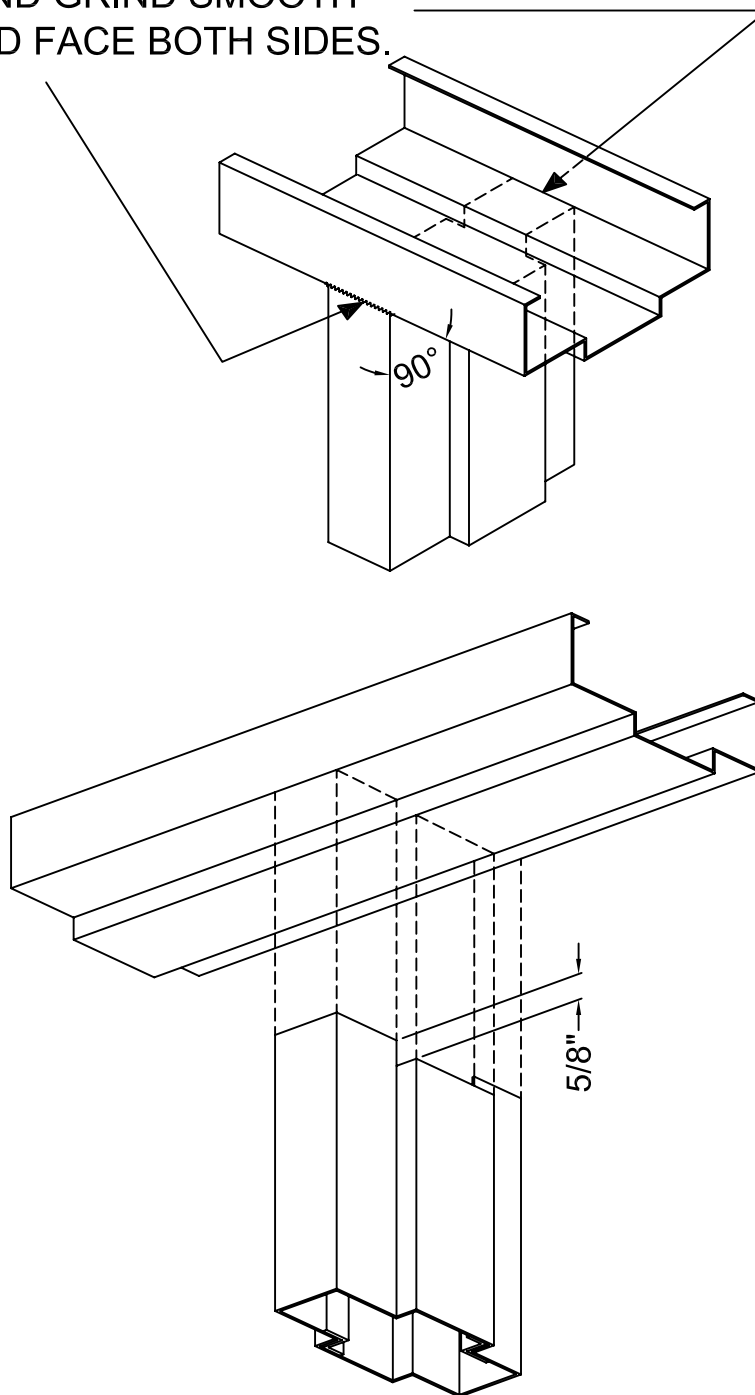


SAW MITERED CORNER WELDED ASSEMBLY

- A. SAW MITER END OF JAMB AND HEADER AT 45 DEG.
- B. PLACE HEADER AND JAMB TOGETHER AND HOLD MITER TIGHT. (ANGLE BETWEEN HEADER AND JAMB MUST BE 90 DEG.)
- C. WELD FACE JOINTS AS SHOWN ON BOTH SIDES.
- D. GRIND EXPOSED WELDS ON FACES TO A SMOOTH FINISH.

SUBJECT: MITERED CORNER WELD.

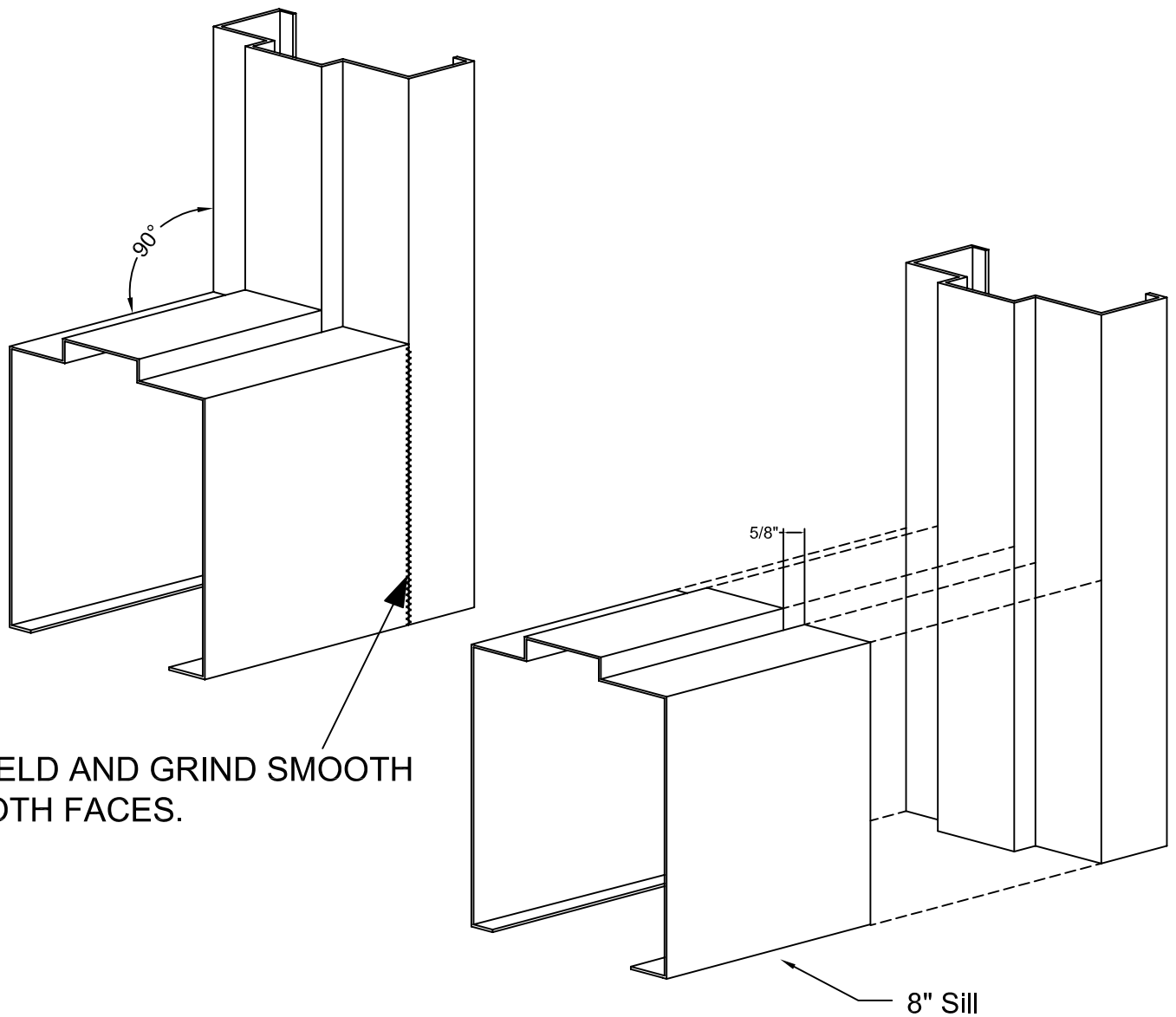
WELD AND GRIND SMOOTH
EXPOSED FACE BOTH SIDES.



MULLION-HEADER JOINT ASSEMBLY

- A. NOTCH MULLION STOP AS SHOWN.
- B. PLACE MULLION IN POSITION AND MAINTAIN 90 DEG. BETWEEN MULLION AND HEADER.
- C. WELD FACE BETWEEN HEADER AND MULLION AS SHOWN ON BOTH SIDES.
- D. GRIND EXPOSED WELDS ON FACES TO A SMOOTH FINISH.

SUBJECT: MULLION HEADER JOINT ASSEMBLY

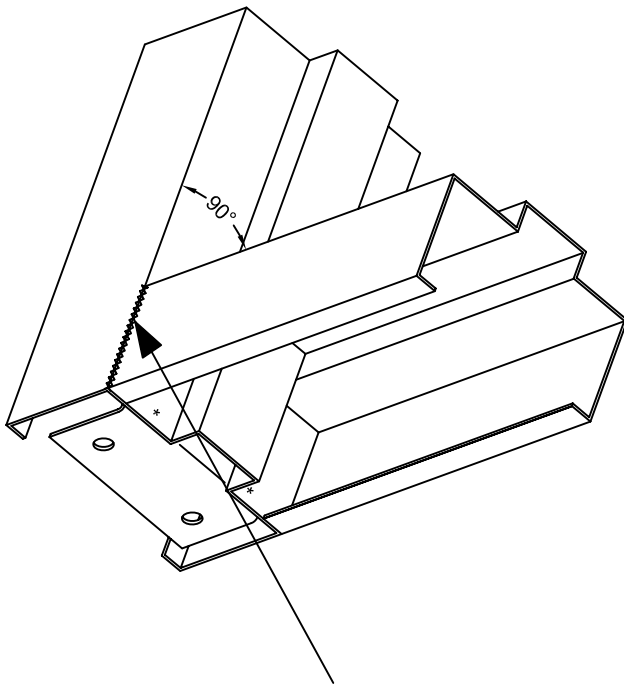


WELD AND GRIND SMOOTH
BOTH FACES.

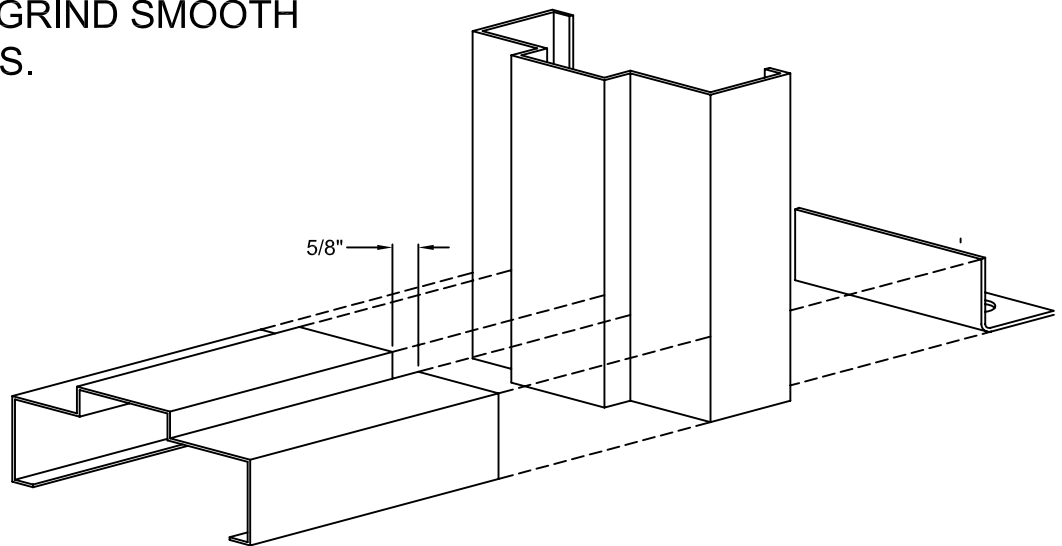
JAMB-SILL JOINT ASSEMBLY

- A. NOTCH SILL STOP TO CLEAR JAMB STOP.
- B. PLACE SILL IN POSITION AND MAINTAIN 90 DEG. BETWEEN SILL AND JAMB.
- C. WELD SILL CHANNEL TO JAMBS BOTH FACES.
- D. GRIND EXPOSED WELDS ON FACES TO A SMOOTH FINSH.

SUBJECT: JAMB-SILL JOINT ASSMBLY



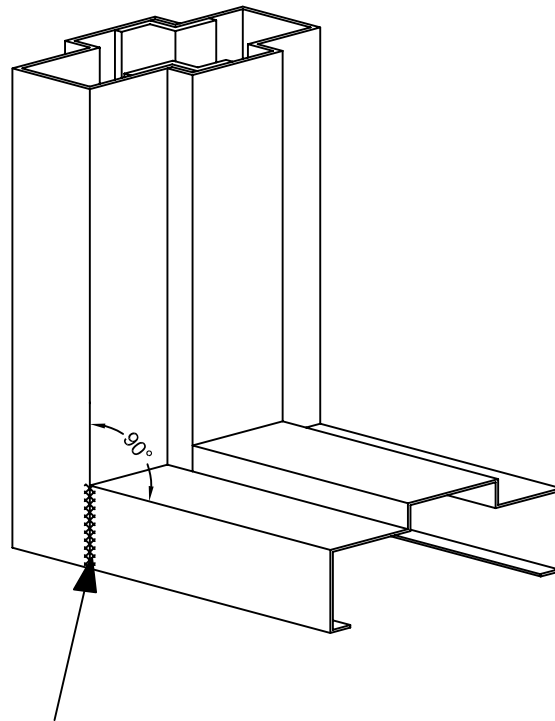
WELD AND GRIND SMOOTH
BOTH FACES.



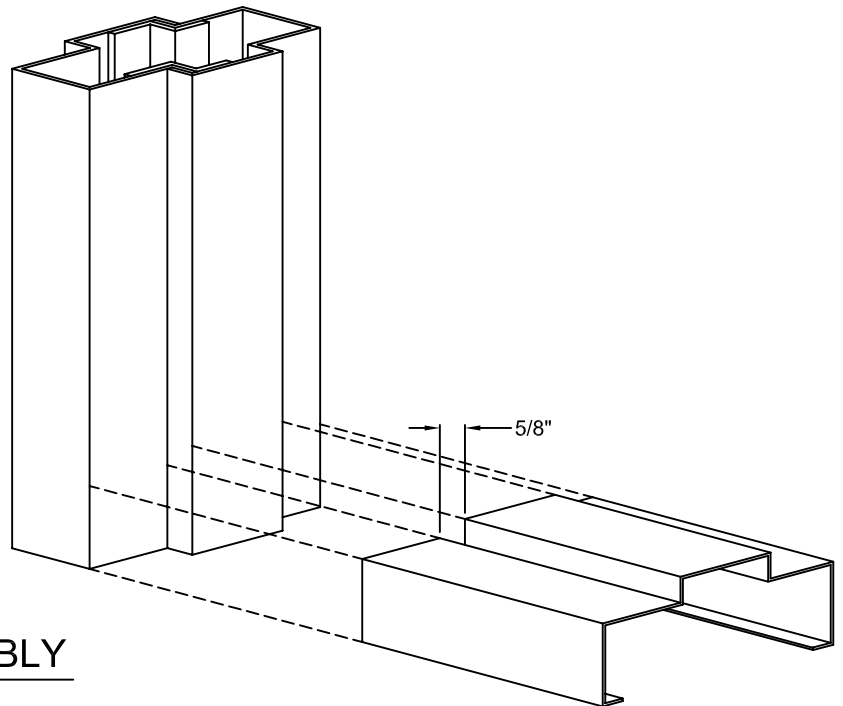
JAMB-SILL JOINT ASSEMBLY

- A. NOTCH SILL STOP TO CLEAR JAMB STOP.
- B. PLACE SILL IN POSITION AND MAINTAIN 90 DEG. BETWEEN SILL AND JAMB.
- C. WELD SILL CHANNEL TO JAMBS BOTH FACES.
- D. GRIND EXPOSED WELDS ON FACES TO A SMOOTH FINISH.

SUBJECT: JAMB-SILL JOINT ASSMBLY



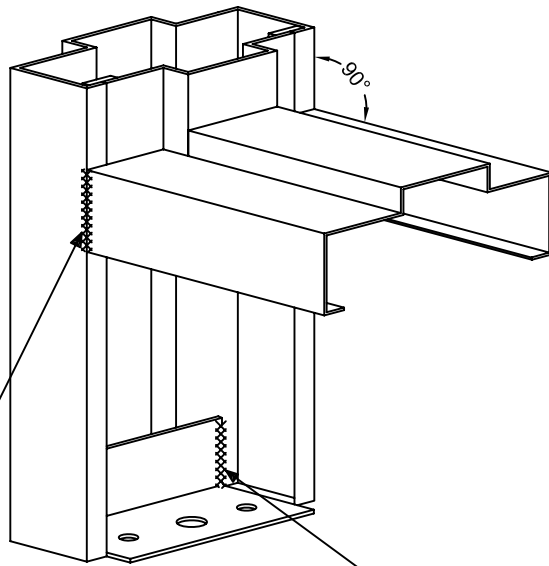
WELD AND GRIND SMOOTH
BOTH FACES.



JAMB-SILL JOINT ASSEMBLY

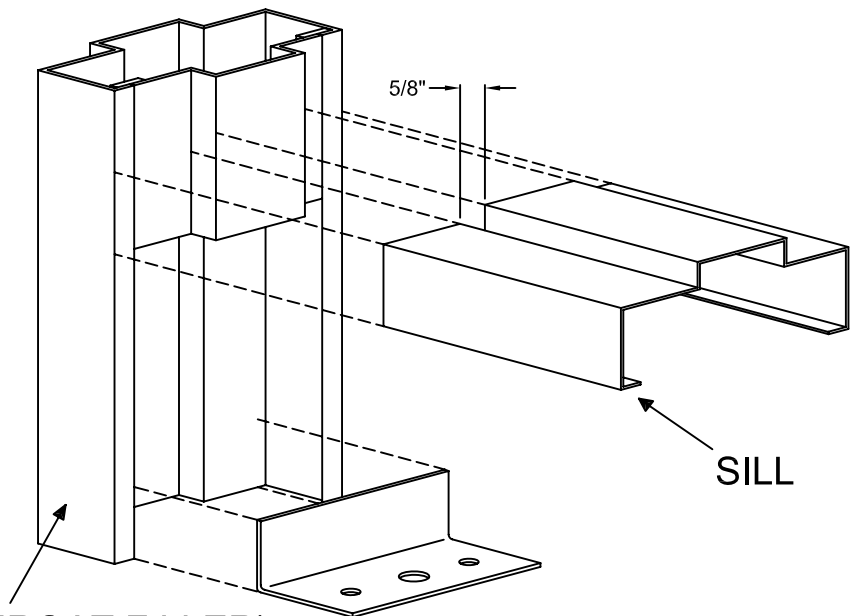
- A. NOTCH SILL STOP AS SHOWN.
- B. PLACE SILL IN POSITION AND MAINTAIN 90 DEG. BETWEEN SILL AND MULLION.
- C. WELD SILL CHANNEL TO MULLION BOTH FACES.
- D. GRIND EXPOSED WELDS ON FACES TO A SMOOTH FINSH.

SUBJECT: MULLION-SILL JOINT ASSMBLY



WELD IN FLOOR ANCHOR.

WELD AND GRIND SMOOTH BOTH FACES.



SILL

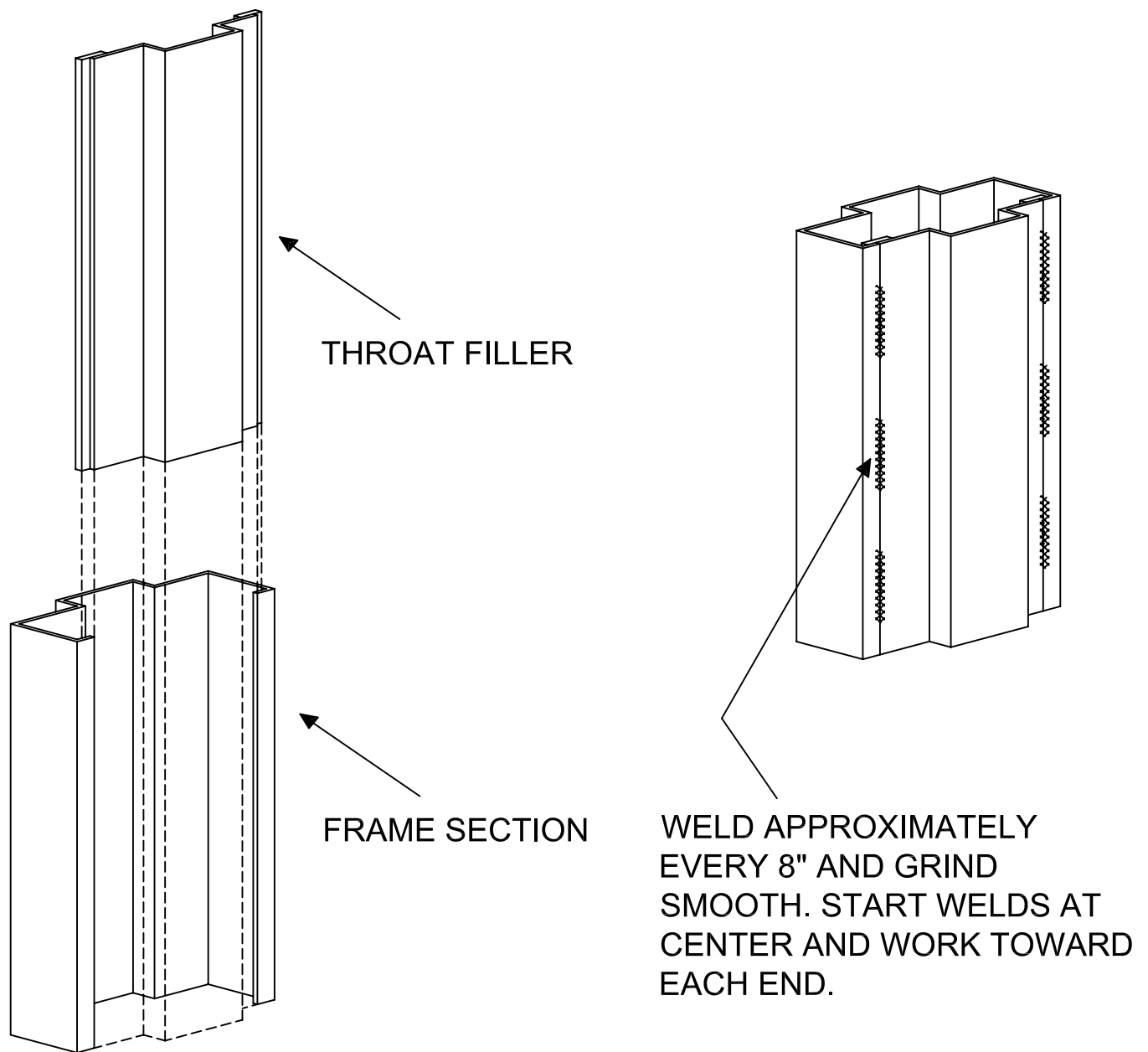
MULLION (JAMB WITH THROAT FILLER)

FLOOR ANCHOR

JAMB-SILL JOINT ASSEMBLY

- A. NOTCH SILL STOP AS SHOWN.
- B. PLACE SILL IN POSITION AND MAINTAIN 90 DEG. BETWEEN SILL AND MULLION.
- C. WELD SILL CHANNEL TO MULLION BOTH FACES.
- D. GRIND EXPOSED WELDS ON FACES TO A SMOOTH FINISH.

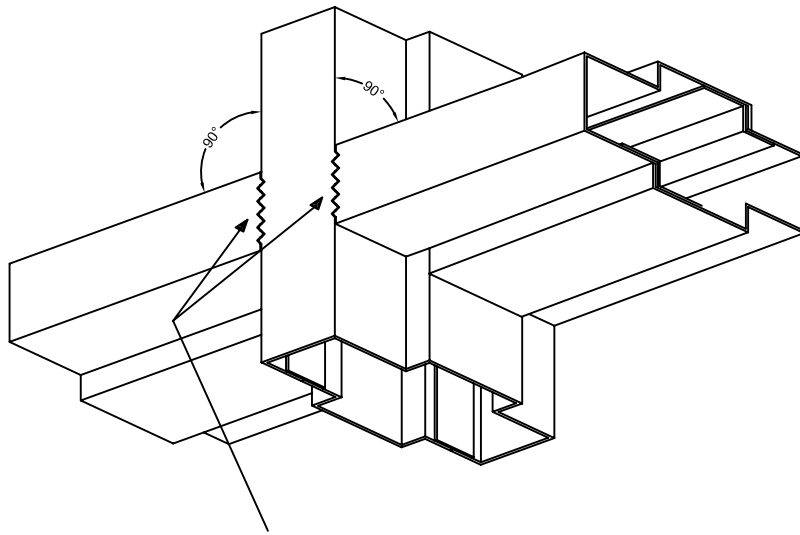
SUBJECT: MULLION-SILL JOINT ASSMBLY



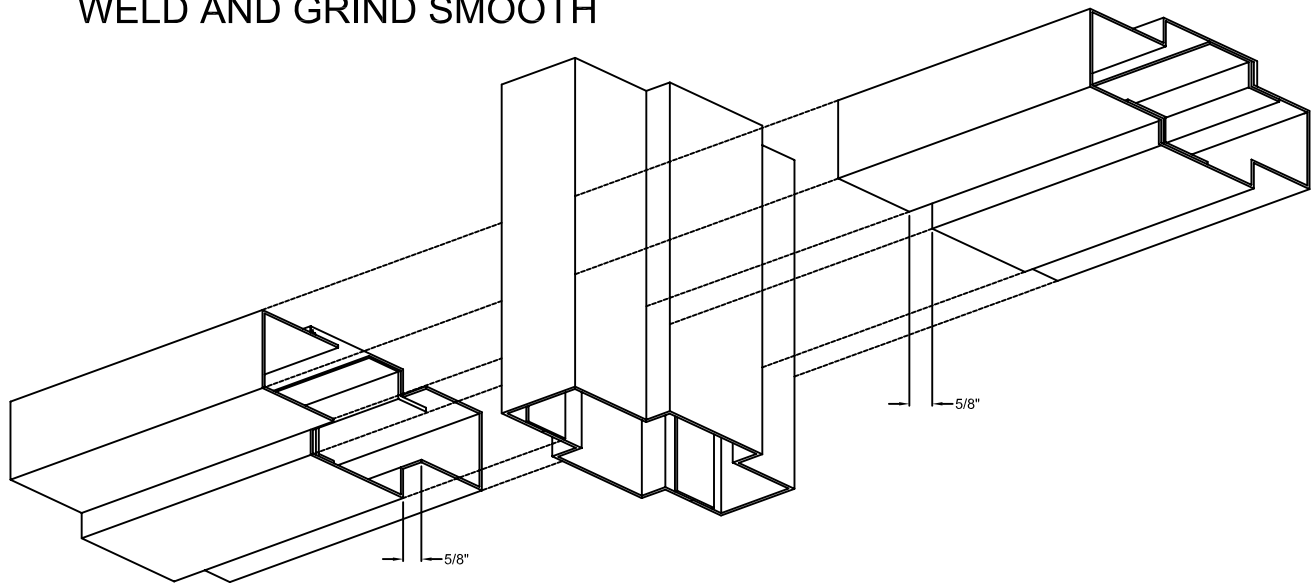
THROAT FILLER INSTALLATION

- A. PLACE THROAT FILLER IN POSITION INSIDE FRAME.
- B. CLAMP FRAME SO THAT FRAME RETURNS BUTT TIGHTLY AGAINST EDGES OF THROAT FILLER.
- C. WELD SEAMS AT 8" CENTERS.
- D. GRIND EXPOSED WELDS TO A SMOOTH FINISH.
- E. BONDO SEAMS AND FINISH. (OPTIONAL)

SUBJECT: THROAT FILLER INSTALLATION



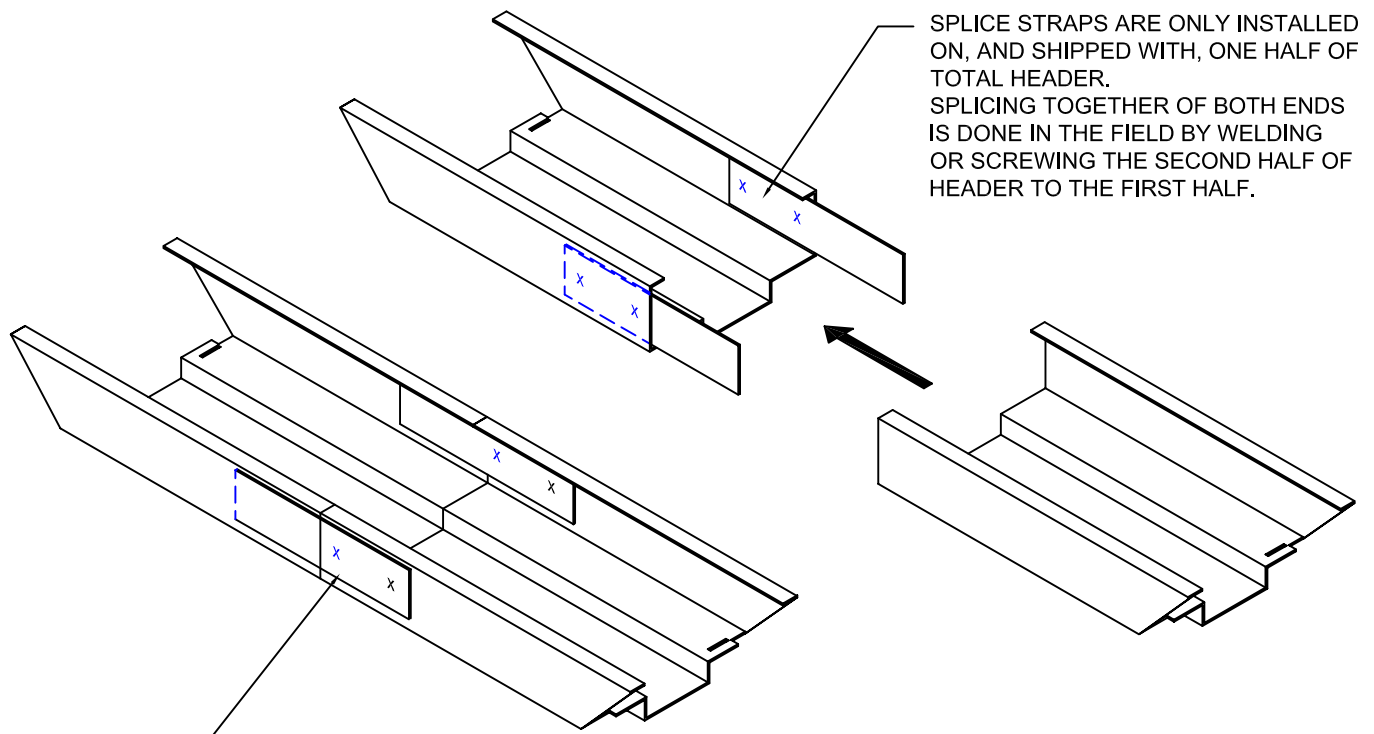
WELD AND GRIND SMOOTH



MULLION TO MULLION JOINT ASSEMBLY

- A. NOTCH MULLIONS AS SHOWN.
- B. BUTT MULLION SECTIONS TOGETHER.
- C. WELD FACE OF HEADER BOTH SIDES.
- D. GRIND EXPOSED WELDS TO A SMOOTH FINISH.
- E. BONDO SEAMS AND FINISH. (OPTIONAL)

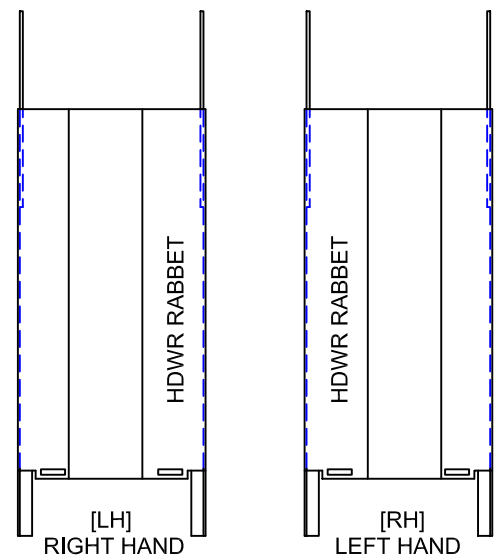
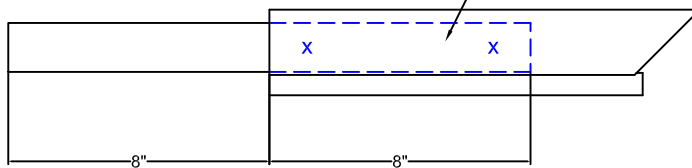
SUBJECT: MULLION TO MULLION JOINT ASSEMBLY



SPLICE STRAPS ARE ONLY INSTALLED ON, AND SHIPPED WITH, ONE HALF OF TOTAL HEADER. SPLICING TOGETHER OF BOTH ENDS IS DONE IN THE FIELD BY WELDING OR SCREWING THE SECOND HALF OF HEADER TO THE FIRST HALF.

JOIN HEADER HALVES TOGETHER IN FIELD USING STRAPS AS GUIDES. SCREW OR SPOTWELD SECOND HALF OF HEADER TO SPLICING STRAPS AND FINISH SEAM AS DESIRED.

PT. #01417-01 (QTY. 2)
 LOCATE 8" IN AND TIGHT TO INSIDE OF FACE AND RABBET CORNER; SPOTWELD 2 PLACES MIN. PER SPLICE STRAP.

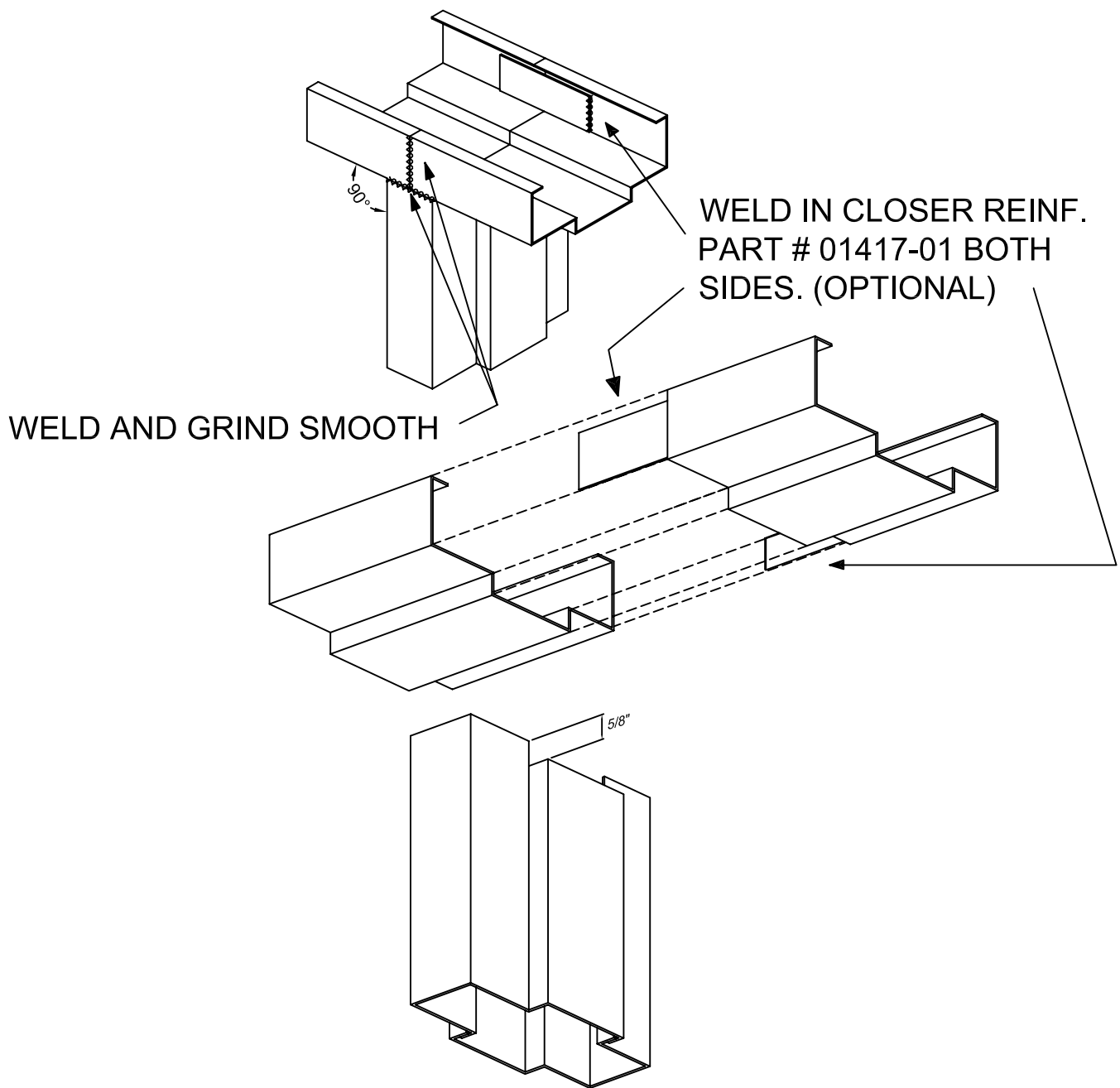


HANDING

HEADER SPLICE JOINT ASSEMBLY

- A. WELD CLOSER 8" IN FROM SQUARE END OF HEADER.
- B. BUTT HEADER SECTIONS TOGETHER.
- C. WELD FACE OF HEADER BOTH SIDES.
- D. GRIND EXPOSED WELDS TO A SMOOTH FINISH.
- E. BONDO SEAMS AND FINISH. (OPTIONAL)

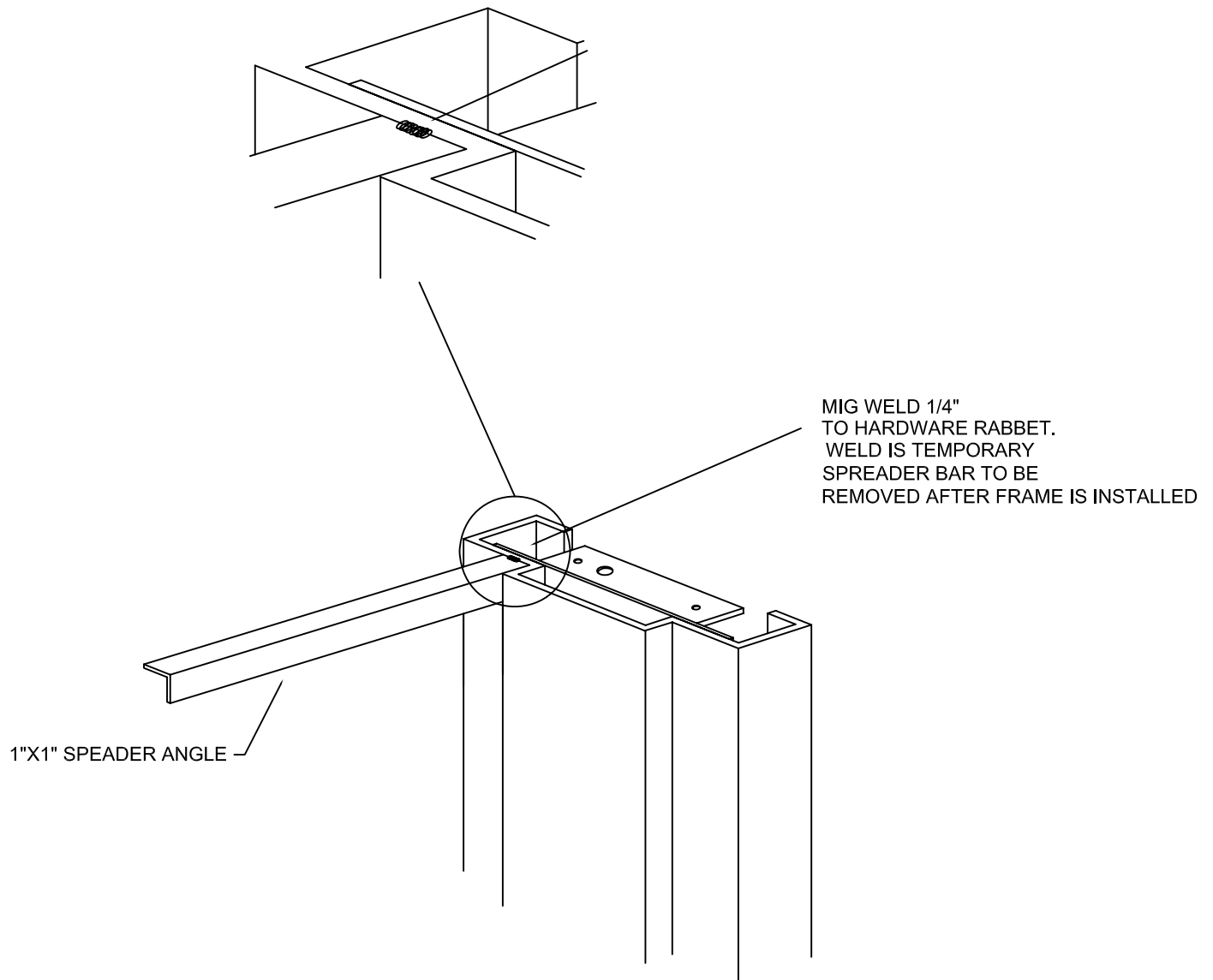
SUBJECT: HEADER SPLICE JOINT ASSEMBLY



MULLION-HEADER SPLICE JOINT ASSEMBLY

- A. NOTCH MULLION SECTION AS SHOWN.
- B. BUTT HEADER SECTIONS TOGETHER WELD IN CLOSER REINF. IN FACE (OPTIONAL).
- C. PLACE MULLION IN POSITION AND MAINTAIN 90 DEG. BETWEEN HEADER AND MULLION.
- D. WELD FACE OF HEADER SECTION MULLION FACE TO HEADER FACE AS SHOWN FRONT TO BACK.
- E. GRIND EXPOSED WELDS ON FACE TO SMOOTH FINISH.

SUBJECT: MULLION-HEADER SPLICE JOINT ASSEMBLY

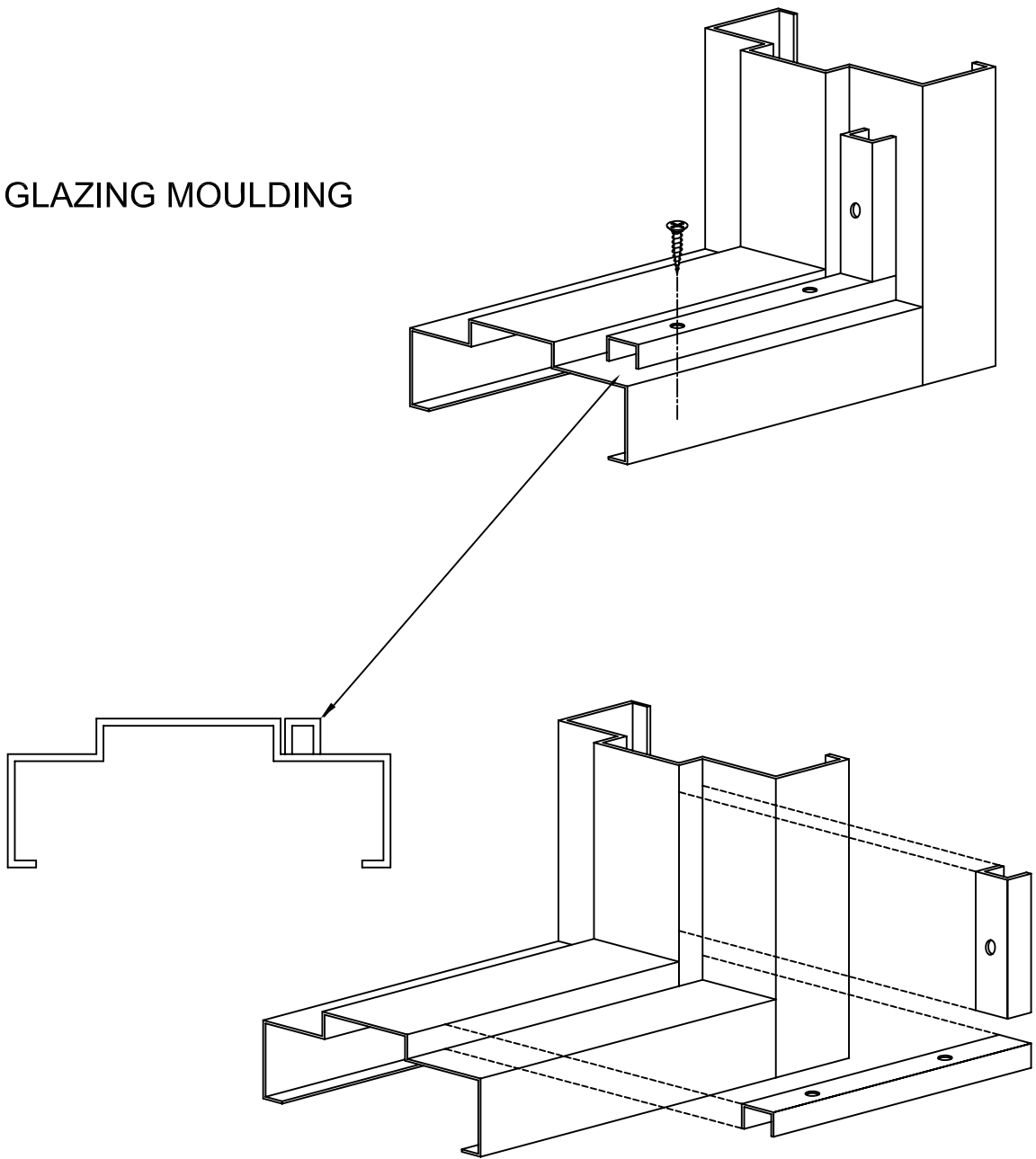


SPREADER ASSEMBLY

- A. WELD SPREADER ON AS SHOWN ON HARDWARE RABBET ONLY.
- B. 2 SPREADERS CAN BE USED (OPTIONAL) ON BOTH RABBETS.

SUBJECT: SPREADER ASSEMBLY

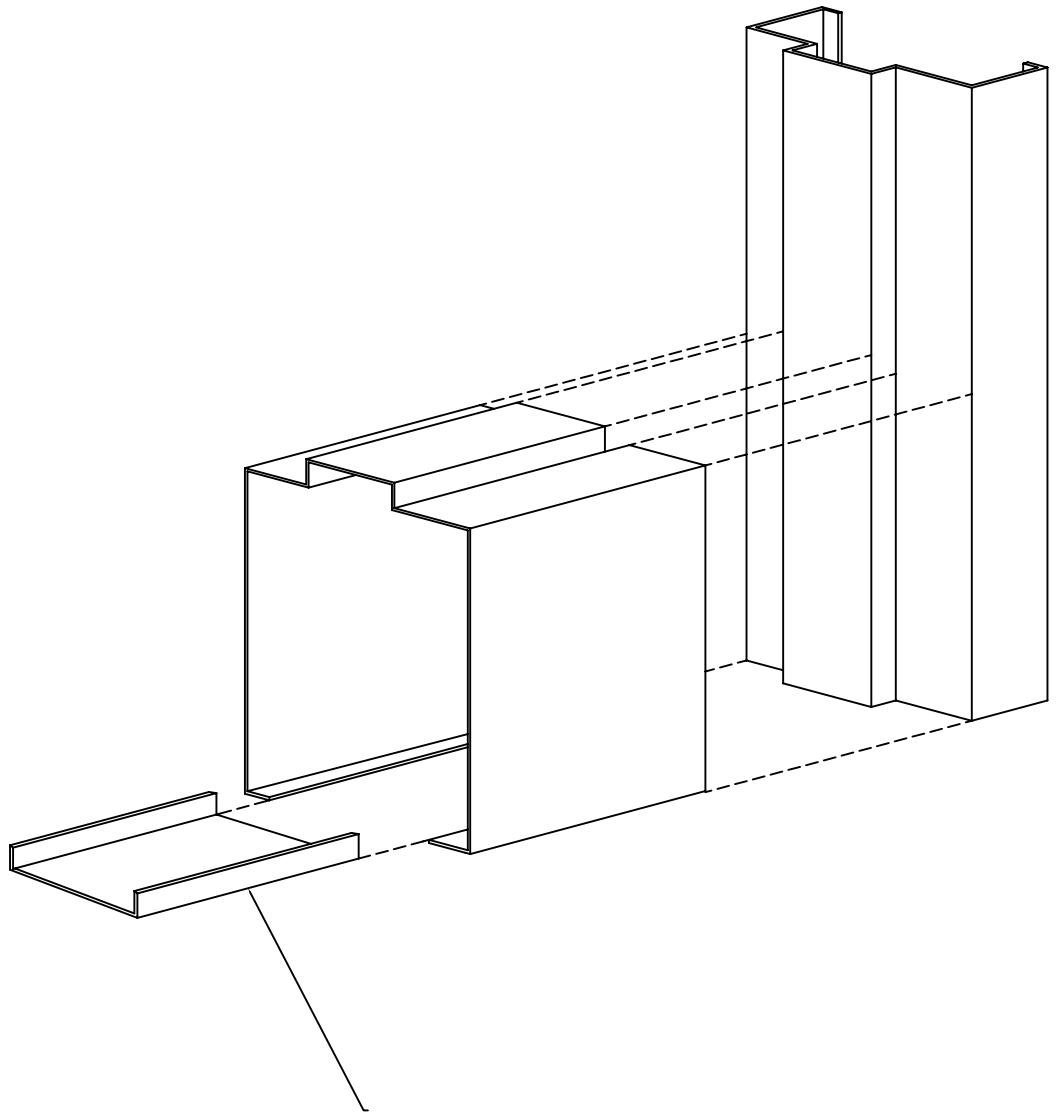
GLAZING MOULDING



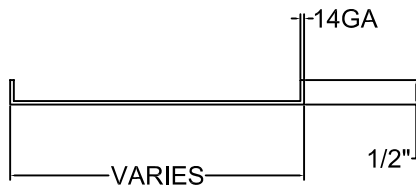
GLAZING ASSEMBLY

- A. CUT GLASS STOP TO SIZE HORIZONTAL PIECES, (OPENING SIZE LESS $1/16$ ") - VERTICAL PIECES, (OPENING SIZE LESS $1 \frac{5}{16}$ ").
- B. LOCATE GLASS STOP TIGHT TO STOP ATTACHED WITH 1 SCREW.
- C. INSTALL HORIZONTAL GLASS STOP FIRST - THEN VERTICAL SECTIONS FASTEN WITH 1 SCREW.

SUBJECT: GLAZING ASSEMBLY



14 GA SILL CHANNEL MINUS 12" OF SIDELITE WIDTH.

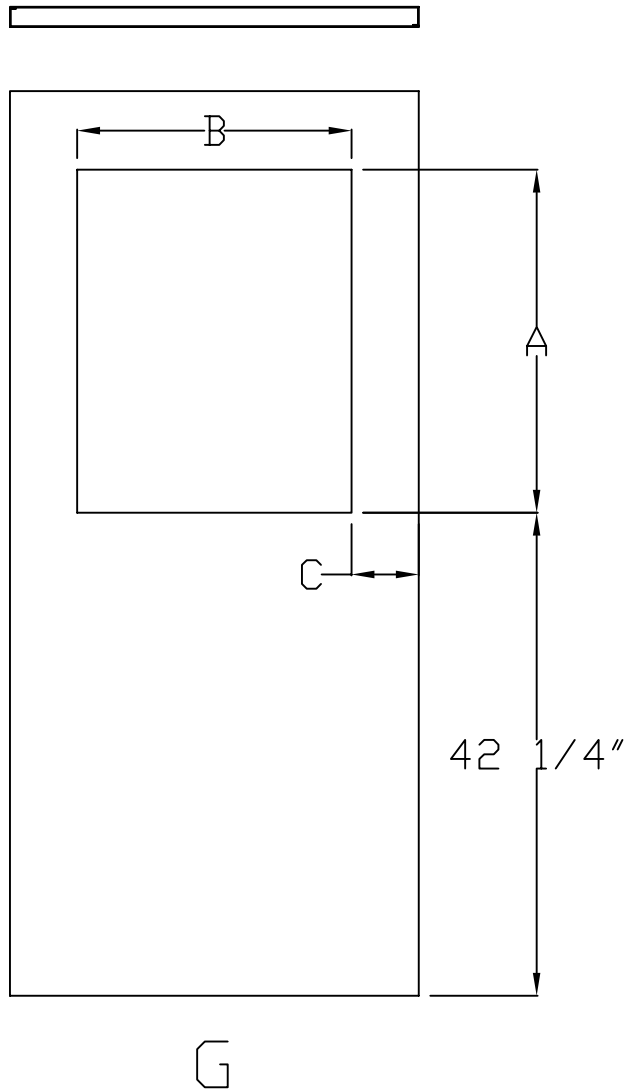


SUBJECT: JAMB-SILL JOINT ASSMBLY WITH SILL CHANNEL

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NOMINAL DOOR HEIGHT	DIM. "A" C.O. HEIGHT
6'-8"	30"
7'-0"	32"
7'-2"	32"
7'-10"	36"
8'-0"	36"

DOOR WIDTH	2'-0"	2'-4"	2'-6"	2'-8"	2'-10"	3'-0"	3'-4"	3-6"	3'-8"	3'-10"	4'-0"
B	12"	16"	16"	18"	18"	24"	24"	24"	32"	32"	32"
C	5 7/8"	5 7/8"	6 7/8"	6 7/8"	7 7/8"	5 7/8"	7 7/8"	8 7/8"	5 7/8"	6 7/8"	7 7/8"

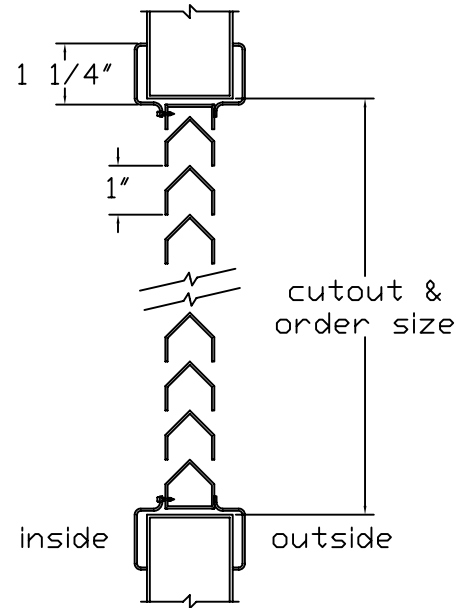
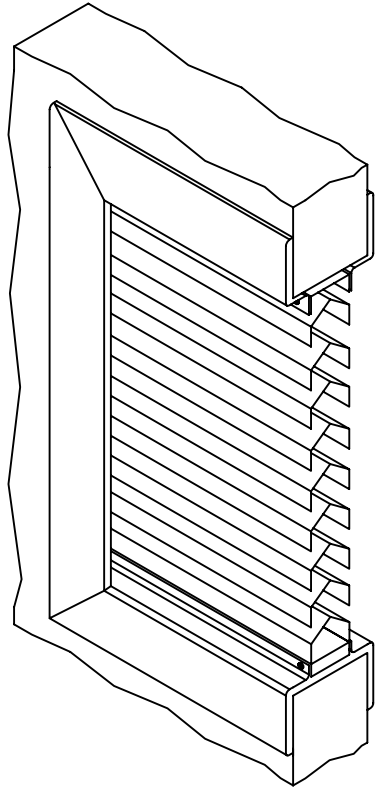
NOTE: DIMENSIONS SHOW CUTOUT SIZE IN DOOR (ORDER SIZE = CUTOUT SIZE)
 DIMENSIONS SHOWN ARE FORMED DIMENSIONS

SUBJECT: LITE KITS

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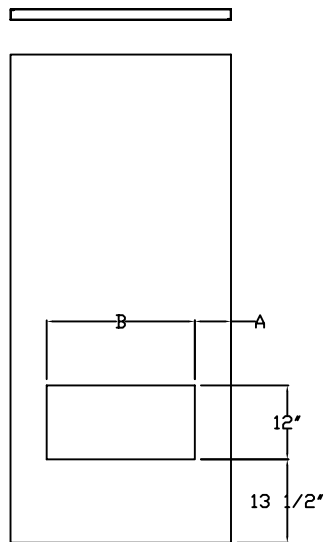
Insert the louver into the opening with the fixed trim toward the security side of the door. Fasten the loose picture frame trim to the louver with the screws provided. Some minor adjusting and centering of the louver may be required before the screws are tightened.

SUBJECT: INSTALLATION OF INSERTED LOUVERS

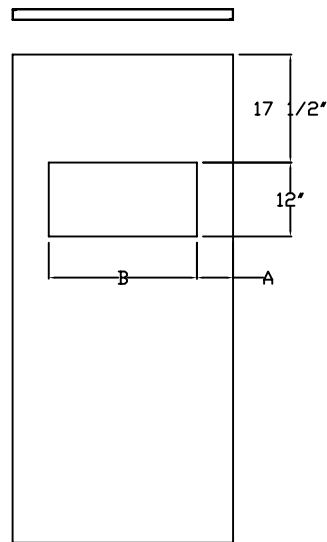
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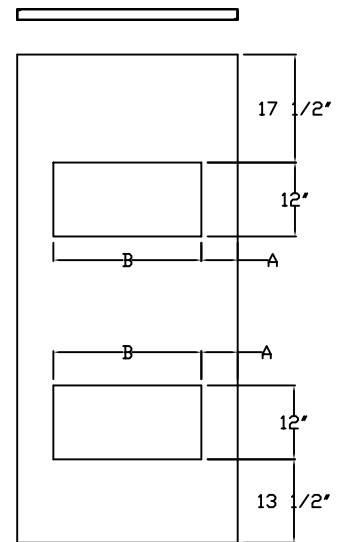
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TLI



LLI

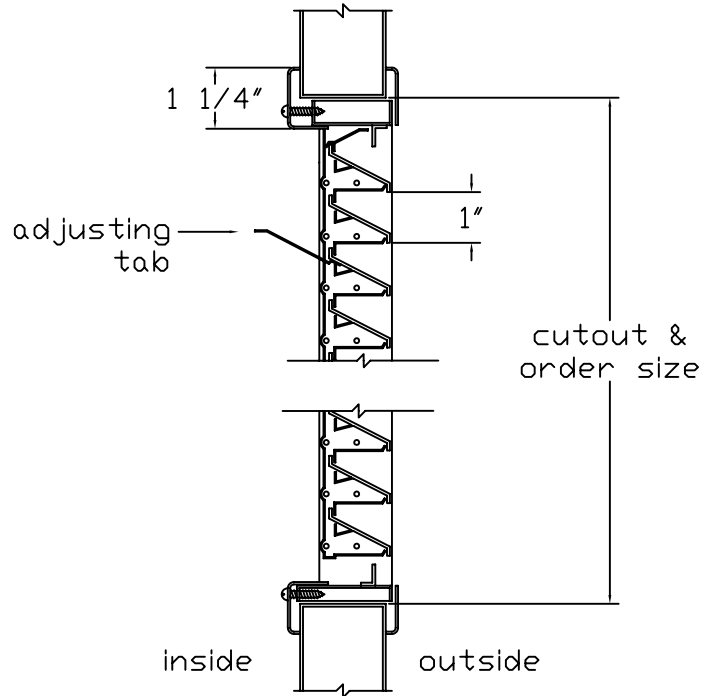
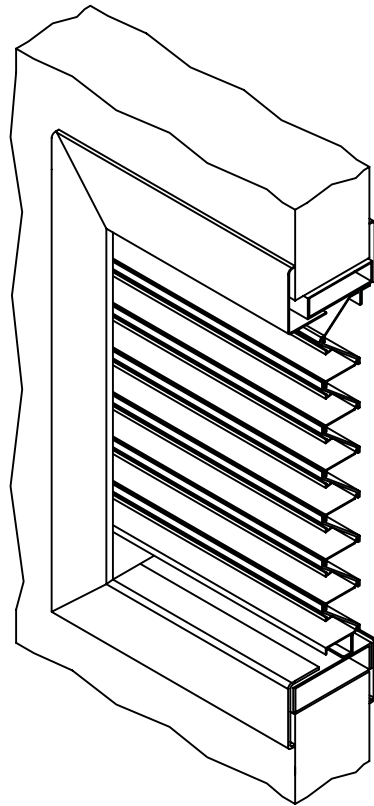
DOOR WIDTH	2'-0"	2'-4"	2'-6"	2'-8"	2'-10"	3'-0"	3'-4"	3-6"	3'-8"	3'-10"	4'-0"
A	5 7/8"	7 7/8"	5 7/8"	6 7/8"	7 7/8"	5 7/8"	7 7/8"	8 7/8"	9 7/8"	10 7/8"	11 7/8"
B	12"	12"	18"	18"	18"	24"	24"	24"	24"	24"	24"

NOTE: DIMENSIONS SHOW CUTOUT SIZE IN DOOR (ORDER SIZE = CUTOUT SIZE)
DIMENSIONS SHOWN ARE FORMED DIMENSIONS

Layout door as shown. Drill starting holes in opposite corners on both panels. Cutout pattern going in opposite directions from each hole. Tolerances of $\pm 1/16$ " in the cutout size are needed to insure the correctness of the final assembly. Special care must be taken to insure that the cutouts in both faces line up. Note: If using stock labeled doors, label must be removed after cutout of louver.

SUBJECT: INSTALLATION OF INSERTED LOUVERS

"UL" LOUVER



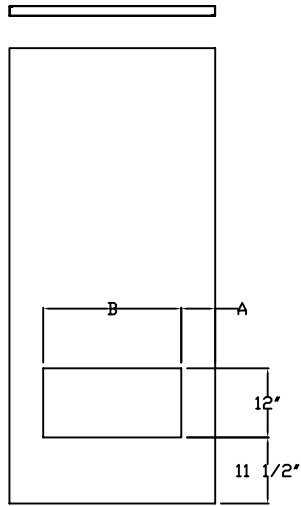
DOOR SIZE	LOUVER SIZE	CUTOUT & ORDER SIZE	PART NUMBER
2'-0"	12" X 12"	12" X 12"	ULLOUVER1212
2'-4"	12" X 12"	12" X 12"	ULLOUVER1212
2'-6"	18" X 12"	18" X 12"	ULLOUVER1812
2'-8"	18" X 12"	18" X 12"	ULLOUVER1812
2'-10"	18" X 12"	18" X 12"	ULLOUVER1812
3'-0"	24" X 12"	24" X 12"	ULLOUVER2412
3'-4"	24" X 12"	24" X 12"	ULLOUVER2412
3'-6"	24" X 12"	24" X 12"	ULLOUVER2412
3'-8"	24" X 12"	24" X 12"	ULLOUVER2412
3'-10"	24" X 12"	24" X 12"	ULLOUVER2412
4'-0"	24" X 12"	24" X 12"	ULLOUVER2412

SUBJECT: "UL" LOUVER

Fab-a-Frame

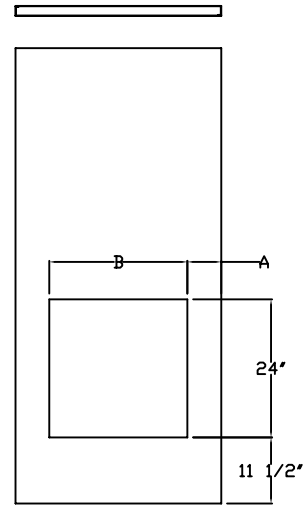
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2'-0" THRU 4'-0"



LI

OPTIONAL 3'-0" THRU 4'-0"

DOOR WIDTH	2'-0"	2'-4"	2'-6"	2'-8"	2'-10"	3'-0"	3'-4"	3'-6"	3'-8"	3'-10"	4'-0"
A	5 7/8"	7 7/8"	5 7/8"	6 7/8"	7 7/8"	5 7/8"	7 7/8"	8 7/8"	9 7/8"	10 7/8"	11 7/8"
B	12"	12"	18"	18"	18"	24"	24"	24"	24"	24"	24"

NOTE: DIMENSIONS SHOW CUTOUT SIZE IN DOOR (ORDER SIZE = CUTOUT SIZE)
DIMENSIONS SHOWN ARE FORMED DIMENSIONS

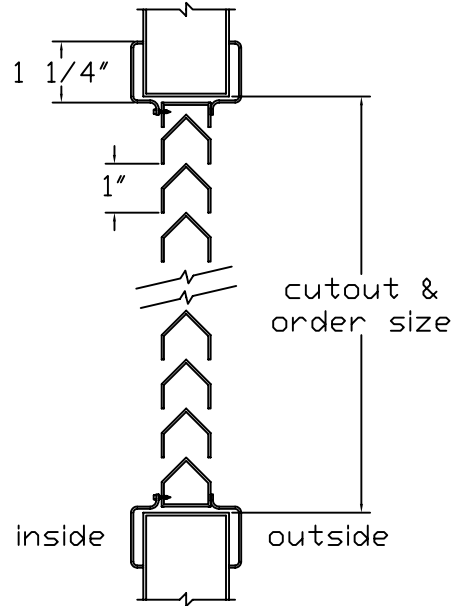
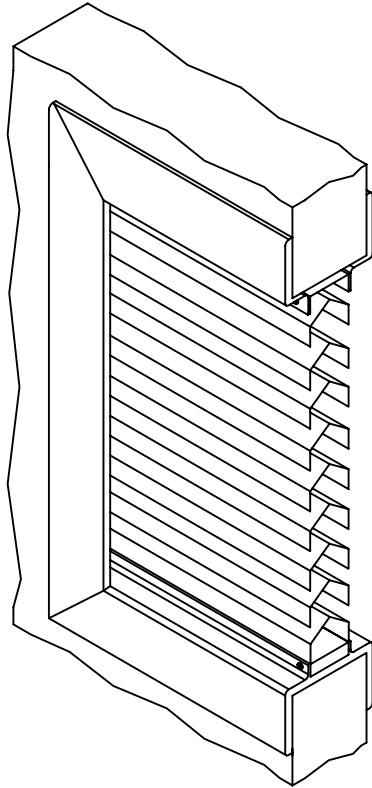
SUBJECT: INSTALLATION OF INSERTED "UL" LOUVERS

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INVERTED "Y" LOUVER



DOOR SIZE	LOUVER SIZE	CUTOUT & ORDER SIZE	PART NUMBER
2'-0"	12" X 12"	12" X 12"	LOUVER1212
2'-4"	12" X 12"	12" X 12"	LOUVER1212
2'-6"	18" X 12"	18" X 12"	LOUVER1812
2'-8"	18" X 12"	18" X 12"	LOUVER1812
2'-10"	18" X 12"	18" X 12"	LOUVER1812
3'-0"	24" X 12"	24" X 12"	LOUVER2412
3'-4"	24" X 12"	24" X 12"	LOUVER2412
3'-6"	24" X 12"	24" X 12"	LOUVER2412
3'-8"	24" X 12"	24" X 12"	LOUVER2412
3'-10"	24" X 12"	24" X 12"	LOUVER2412
4'-0"	24" X 12"	24" X 12"	LOUVER2412

SUBJECT: INVERTED "Y" LOUVER