

CURRIES Three Sided Door Frame, Four Sided Door Frame, and Transom Frame Product Information and Installation Instructions

GENERAL INFORMATION

- 1) Building walls must be designed to support and sustain loads developed by the door and frame assembly and transfer loads to the building structure.
- 2) Rough opening material, by others, must be installed properly to transfer loads to the building structure.
- 3) Anchoring or loading conditions not shown in these details are not part of this approval.
- 4) Anchor embedment to base material shall be beyond wall dressing or stucco.
- 5) Masonry "T", Pipe Spacer, wire, welded EWA, wood stud, or steel stud anchors required.
- 6) Wood density, G = 0.55.
- 7) Anchors shall be as listed and spaced as shown in the table for each group of products.
- 8) Substitution of components must be in compliance with the current Florida Building Code.

FRAME CONFIGURATIONS ALLOWED

Model	Configuration	Wall Type	Max Opening Size (ft-in.)	Design Load (psf)	Impact (ft-lbs)
Hollow Metal, M, CM, G, CG	Single Swing	Drywall, Masonry	4-0, 8-0	+/- 70	350
Hollow Metal, M, CM, G, CG	Single swing	Drywall, Masonry	3-0, 7-0	+/- 115	350
Hollow Metal, M, CM, G, CG	Single Swing with Readysset Frame (Single-point lock)	Drywall, Masonry	3-0, 7-0	+/- 60	350
Hollow Metal, M, CM, G, CG 1	Single Swing with Readysset Frame (Single-point lock and deadbolt)	Drywall, Masonry	3-0, 7-0	+/- 70	350
Hollow Metal, M, CM, G, CG	Standard Swing Pair, With or Without Hardware or Hollow Metal Mullion	Drywall, Masonry	8-0, 8-0	+/- 70	350
Hollow Metal, M, CM, G, CG	Single Swing with Sidelight, Transom or Transom/Sidelight (++)	Drywall, Masonry	3-0*, 8-0**	+/- 60	350
Hollow Metal, M, CM, G, CG	Standard Swing Pair with Sidelight, Transom or Transom/Sidelight (++)	Drywall, Masonry	6-0*, 8-0**	+/- 60	350
Hollow Metal, M, CM, G, CG	Window Frame (++)	Drywall, Masonry	3-0***, 10-0	+/- 60	350
Hollow Metal, M, CM, G, CG	Single Swing	Drywall, Masonry	4-0, 8-0	+/- 150	350

Model	Configuration	Wall Type	Max Opening Size (ft-in.)	Design Load (psf)	Impact (ft-lbs)
Hollow Metal, M, CM, G, CG	Standard Swing Pair, With or Without Hardware or Hollow Metal Mullion	Drywall, Masonry	8-0, 8-0	+/-150	350
Hollow Metal, M, CM, G, CG	Four Sided Door Frame	Drywall, Masonry	3-0, 7-0	+/- 60	350
Hollow Metal, M, CM, G, CG	Four Sided Door Frame	Drywall, Masonry	3-0, 8-0	+/- 60	350
Hollow Metal, M, CM, G, CG	Four Sided Door Frame	Drywall, Masonry	3-0, 8-0	+/- 60	350
Hollow Metal, M, CM, G, CG	Four Sided Door Frame	Drywall, Masonry	6-0, 8-0	+/- 60	350
Hollow Metal, M, CM, G, CG	Four Sided Door Frame	Drywall, Masonry	8-0, 8-0	+/- 70	350
Hollow Metal, M, CM, G, CG	Four Sided Door Frame	Drywall, Masonry	8-0, 8-0	+/-150	350
Hollow Metal, M, CM, G, CG	Single Swing with Side Panel, Transom or Transom/Side Panel	Drywall, Masonry	4-0*, 8-0**	+/-150	350
Hollow Metal, M, CM, G, CG	Standard Swing Pair with Transom Panel	Drywall, Masonry	8-0, 8-0**	+/-150	350

* Width is size of door opening (jamb to jamb). Sidelights may be mulled to the frame to increase the width of the opening.

** Height is size of door opening (header to floor/sill). A transom may be mulled to the frame to increase the height of the opening.

*** Width size of individual window frame. Multiple window frames may be mulled together to increase the width of the opening.

++ Glass for window, transom and sidelight frames must be Glasslam laminated glass with a 0.090 in. minimum inner layer. Multiple frames may be mulled together to increase the width of the opening.

M = Double Rabbet frame for use in masonry walls, block walls, or welded to building structure

CM = Double Rabbet frame for use in wood or metal stud walls

G = Single Rabbet frame for use in masonry walls, block walls, or welded to building structure

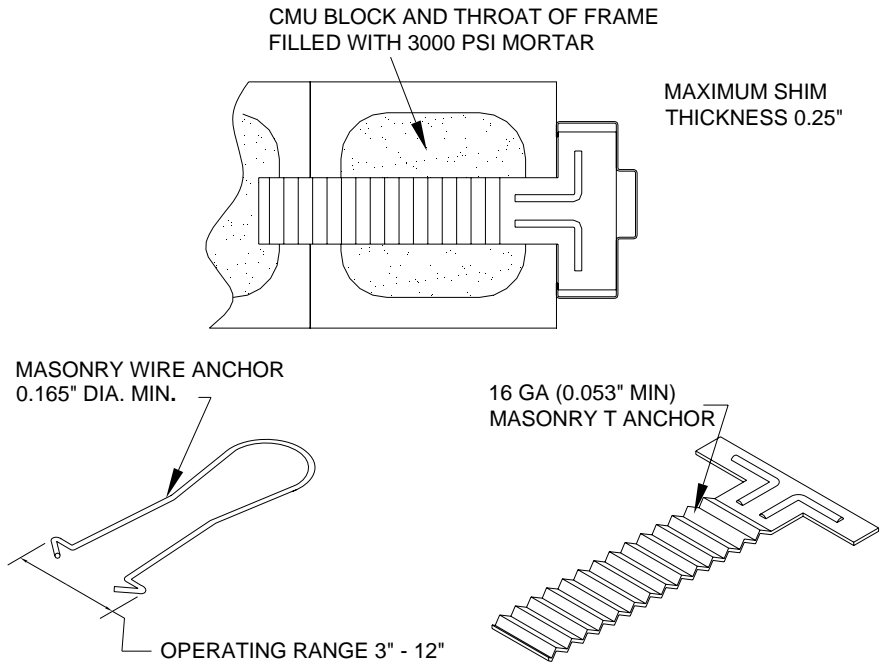
CG = Single Rabbet frame for use in wood or metal stud walls

Frames for use in masonry walls, block walls, or welded to building structure may also be used for wood or metal stud walls.

1-3/4 in. thick Curries metal door panels may be used to glaze window, transom and sidelight frames. Door vision light frames and louvers may be installed in the 1-3/4 in. thick panels

FRAME ANCHORING

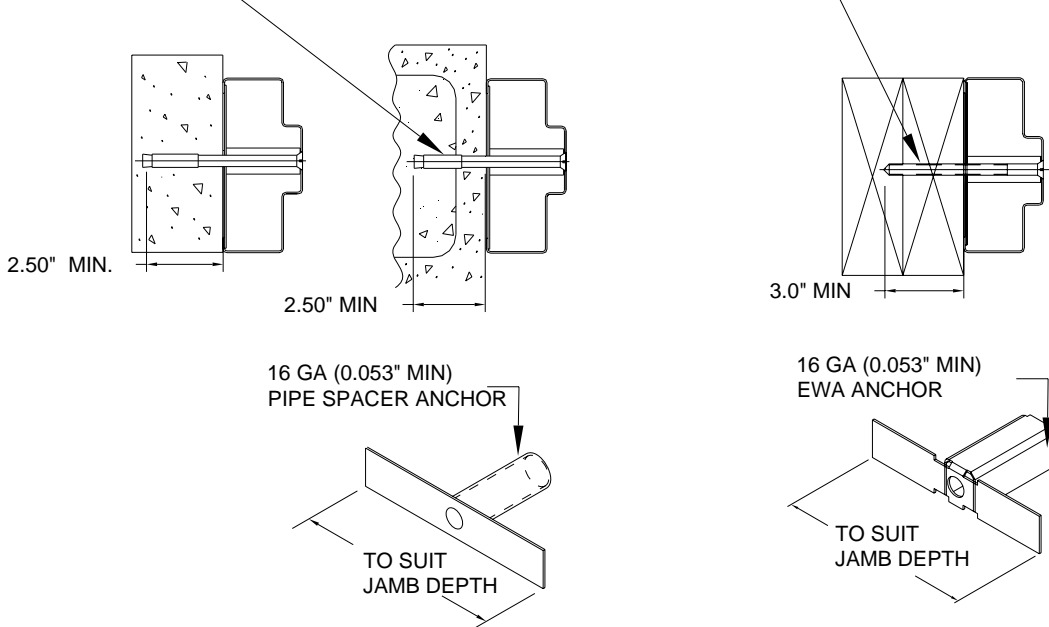
MASONRY T AND MASONRY WIRE ANCHORS



WELDED PIPE SPACER AND WELDED EWA ANCHORS

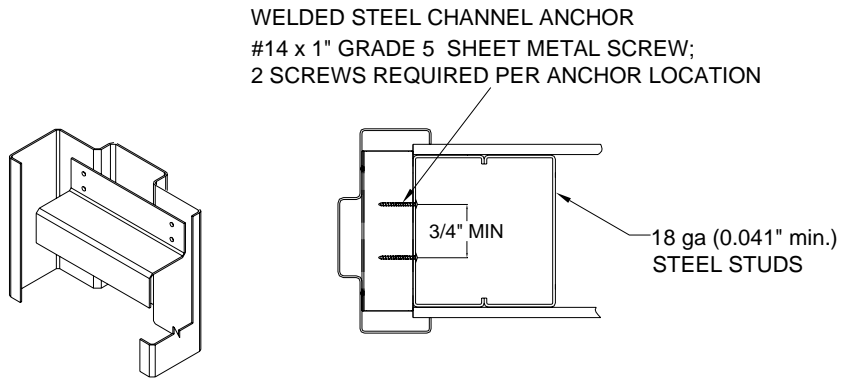
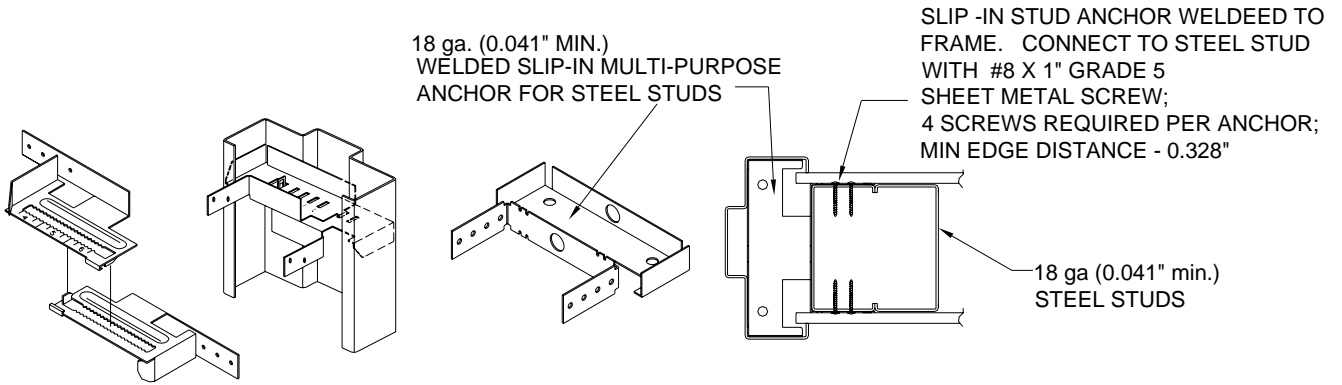
EXISTING MASONRY OR POURED CONCRETE, 3000 psi MIN.
PIPE SPACER ANCHOR WITH 3/8" FLAT HEAD
EXPANSION HEAD ANCHOR BOLTS
MINIMUM EDGE DISTANCE = 4.00"
MAXIMUM SHIM THICKNESS = 0.25"

WOOD STUD
PIPE SPACER ANCHOR WITH 3/8" WOOD
SCREW OR LAG BOLT
MINIMUM EDGE DISTANCE = 1.75"
MAXIMUM SHIM THICKNESS = 0.25"

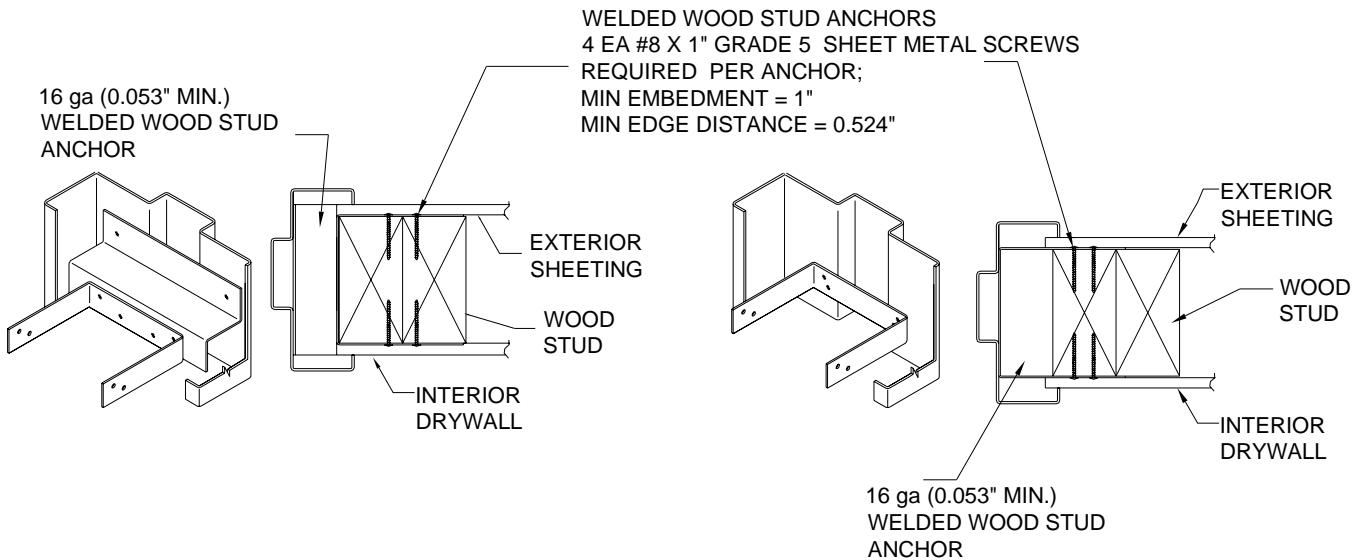


FRAME ANCHORING (CONT'D)

WELDED STEEL STUD ANCHORS

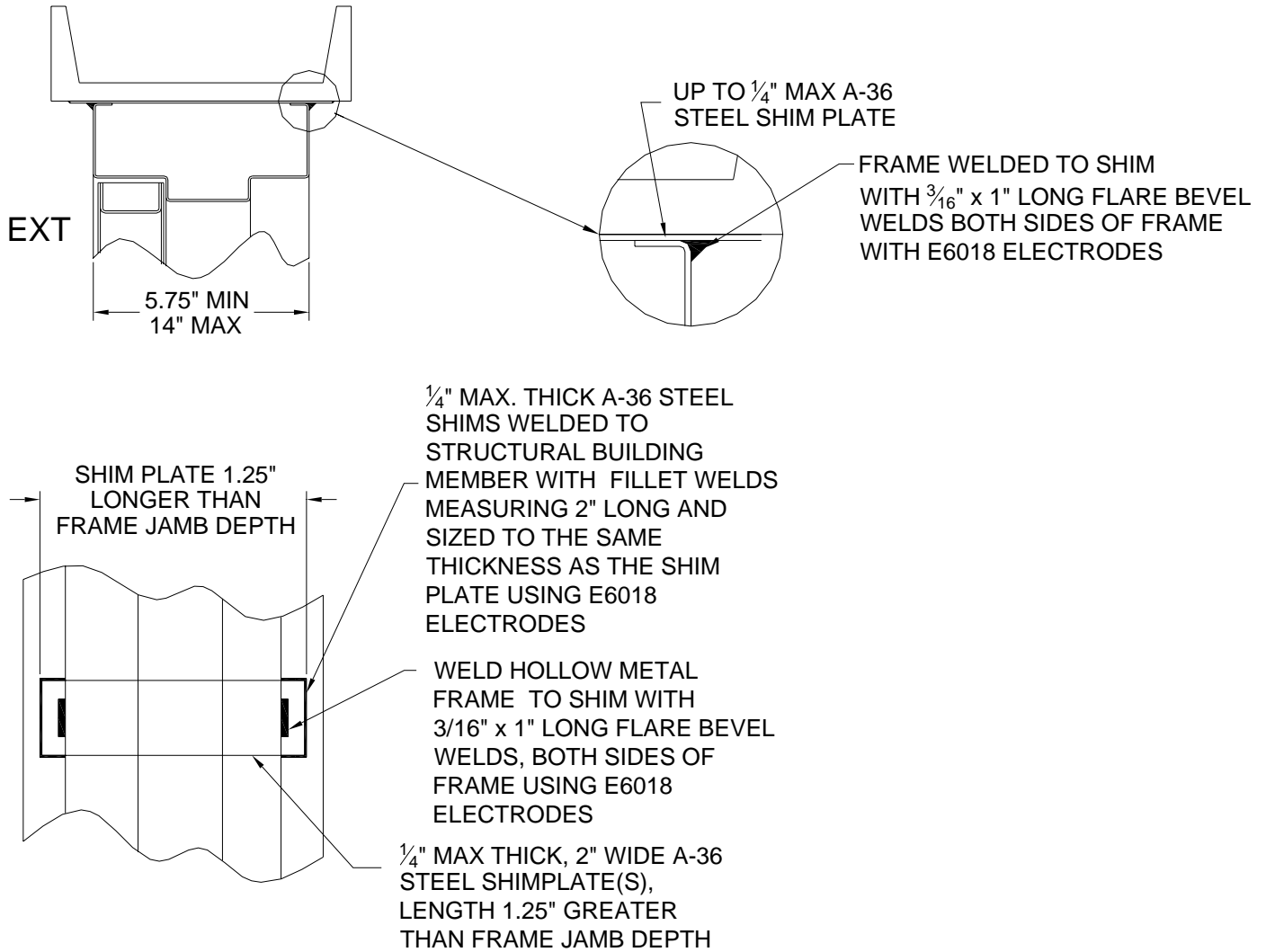


WELDED WOOD STUD ANCHORS

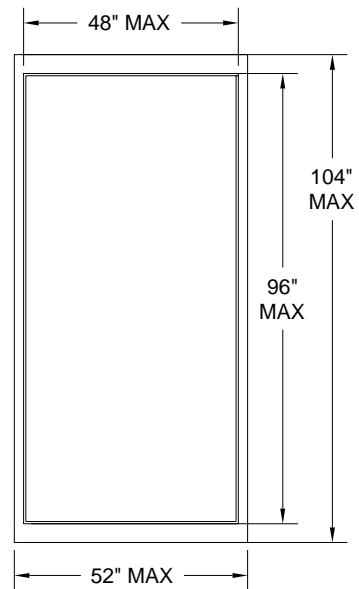
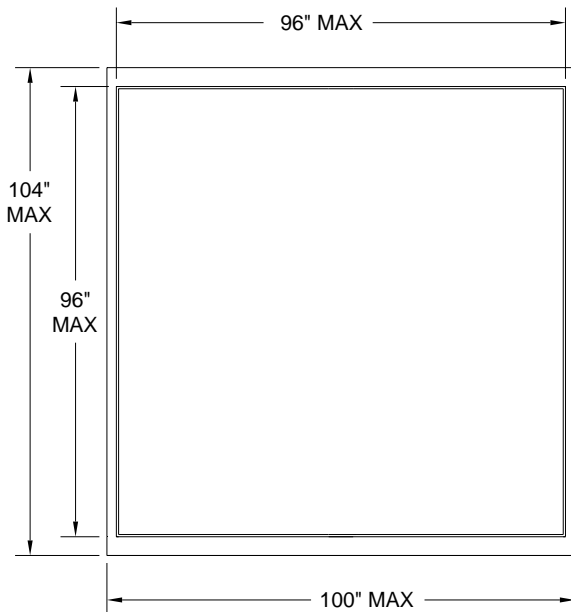
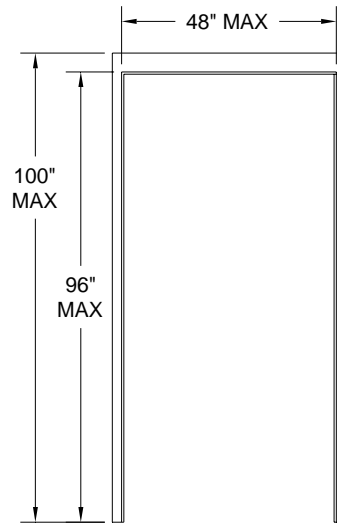
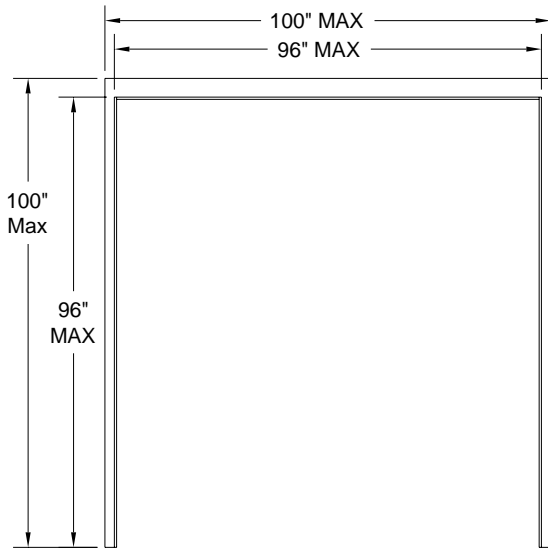


FRAME ANCHORING (CONT'D)

WELDED TO THE BUILDING STRUCTURE

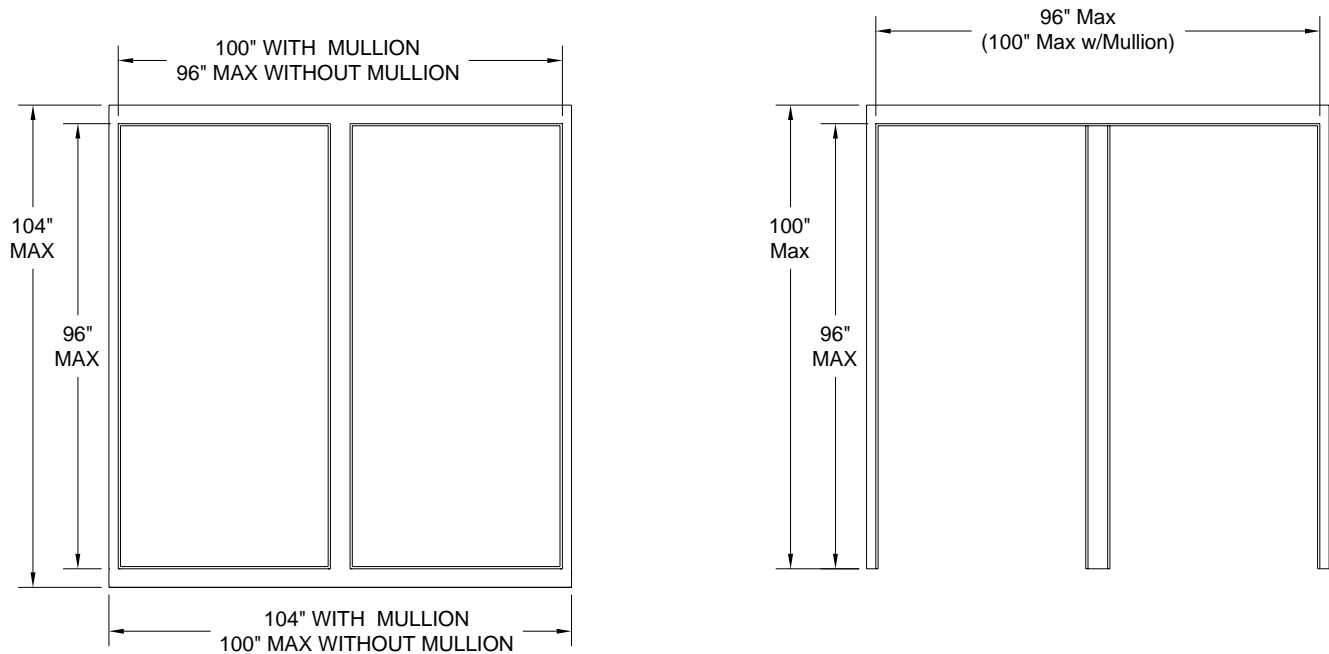


**THREE SIDED AND FOUR SIDED DOOR FRAME ELEVATIONS FOR FRAMES
RATED UP TO AND INCLUDING 150 PSF**



Three sided door frames may be KD corner or face welded. Four sided door frames must be face welded.

THREE AND FOUR SIDED DOOR FRAME UP TO AND INCLUDING 70 PSF



Three sided door frames may be KD corner or face welded. Four sided door frames and mullions must be face welded. Only doors may be installed in 4 sided door frames.

JAMB ANCHOR REQUIREMENT TABLE						
THREE SIDED AND FOUR SIDED DOOR FRAMES UP TO AND INCLUDING 70 PSF						
OPENING HEIGHT	ANCHORS FOR STEEL STUD OR WOOD STUD WALLS	MAX. SPACING	ANCHORS IN MASONRY WITH 3/8" DIA. EXPANSION SHELL ANCHOR BOLT	MAX. SPACING	MASONRY "T" OR WIRE ANCHORS, OR WELDED TO BUILDING STRUCTURE	MAX. SPACING
80" – 88"	4	22	4	24	4	24
90"	5	22	4	24	4	24
92" – 96"	5	22	5	24	4	24
115 PSF THREE SIDED AND FOUR SIDED DOOR FRAMES (MAX OPENING WIDTH 3'0")						
80" – 88"	5	21	4	24	4	24

HEAD & SILL ANCHORING REQUIREMENTS FOR PAIRS OF DOORS IN THREE & FOUR SIDED DOOR FRAMES UP TO AND INCLUDING 70 PSF		
ANCHOR TYPE	QUANTITY OF ANCHORS	LOCATION
ANCHORS FOR STEEL STUD OR WOOD STUD WALLS	4	2 located on each side of the centerline of the head @ 9" and 12" from the centerline of the head
ANCHORS IN MASONRY W/ 3/8 EXPANSION SHELL ANCHOR BOLT	2	1 each located 9" from the centerline of the head
WELDED TO BUILDING STRUCTURE	2	1 each located 9" from the centerline of the head

JAMB ANCHOR REQUIREMENT TABLE FOR 150 psf THREE & FOUR SIDED FRAMES				
ANCHOR TYPE	OPENING WIDTH	OPENING HEIGHT	QUANTITY OF ANCHORS	MAX SPACING
ANCHORS FOR STEEL STUD OR WOOD STUD WALLS	Up to and including 4'0"	Up to and including 7'0"	6	12"
	Up to and including 3'6"	Up to and including 7'6"	7	12"
	Over 3'6" and up to and including 4'0"	Over 7'6" and up to and including 8'0"	8	12"
ANCHORS IN MASONRY W/ 3/8 EXPANSION SHELL ANCHOR BOLT	Up to and including 4'0"	Up to and including 7'6"	4	24"
	Up to and including 4'0"	Up to and including 8'0"	5	24"
MASONRY "T" OR WIRE ANCHORS	Up to and including 4'0"	Up to and including 8'0"	5	24"
WELDED TO BUILDING STRUCTURE	Up to and including 4'0"	Up to and including 8'0"	4	24"

HEAD & SILL ANCHORING REQUIREMENTS FOR PAIRS OF DOORS IN 150 PSF THREE & FOUR SIDED DOOR FRAMES		
ANCHOR TYPE	QUANTITY OF ANCHORS	LOCATION
ANCHORS FOR STEEL STUD OR WOOD STUD WALLS	8	4 located on each side of the centerline of the head @ 9" , 12" , 15", and 18" from the centerline of the head
ANCHORS IN MASONRY W/ 3/8 EXPANSION SHELL ANCHOR BOLT	4	2 located on each side of the centerline of the head @ 9" and 12" from the centerline of the head
WELDED TO BUILDING STRUCTURE	2	1 each located 9" from the centerline of the head

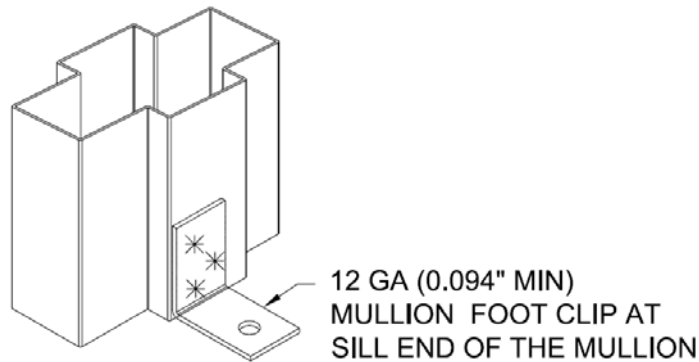
HOLLOW METAL MULLION ANCHOR REQUIREMENTS FOR VERTICAL HOLLOW METAL MULLIONS IN 60 PSF AND 70 PSF THREE SIDED DOOR FRAMES

The head end of mullions shall be anchored using any of the anchors as indicated below.

ANCHOR REQUIREMENTS AT THE HEAD END OF HOLLOW METAL MULLIONS IN THREE SIDED FRAMES			
ANCHOR TYPE	QUANTITY REQUIRED	REQUIRED EMBEDMENT	MIN EDGE DISTANCE
ANCHORS WITH 3/8" LAG SCREW	4	3"	1.75"
ANCHORS WITH 3/8" EXPANSION SHELL ANCHOR BOLT	2	2.5"	4.00"
STEEL STUD ANCHORS WITH FOUR #8 x 1" SHEET METAL SCREWS, or #14 x 1" SMS	4	N/A	0.328"
WOOD STUD ANCHORS WITH FOUR #8 x 1" SHEET METAL SCREWS	2	1"	0.528"
WELDED TO BUILDING STRUCTURE	2	N/A	N/A

The sill end of hollow metal mullions shall be anchored using 3/8" lag bolts into southern pine or expansion shell anchors bolts into masonry.

ANCHOR REQUIREMENTS AT SILL END OF HOLLOW METAL MULLIONS IN THREE SIDED FRAMES			
ANCHOR TYPE	QUANTITY REQUIRED	REQUIRED EMBEDMENT	MIN EDGE DISTANCE
ANCHORS WITH 3/8" LAG SCREW	4	3"	1.75"
ANCHORS WITH 3/8" EXPANSION SHELL ANCHOR BOLT	2	2.5"	4.00"



NOTE: TWO FOOT CLIPS REQUIRED FOR EXPANSION SHELL ANCHOR BOLTS INTO MASONRY.

FOUR FOOT CLIPS REQUIRED FOR 3/8" LAG BOLTS INTO WOOD.

4'0" x 7'0" SIDELIGHT FRAME

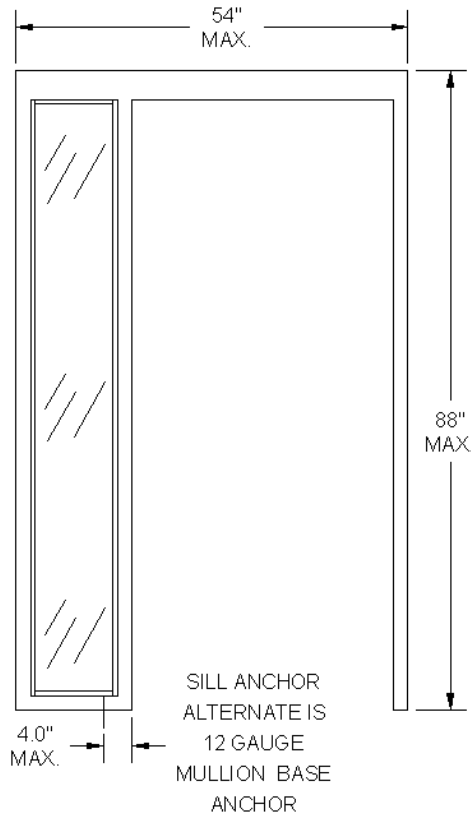
JAMB ANCHOR REQUIREMENT TABLE FOR 4'0" x 7'0" SIDELIGHT					
OPENING HEIGHT	ANCHORS W/ 3/8" LAG SCREW, STEEL STUD, OR WOOD STUD	ANCHORS W/ 3/8" EXPANSION SHELL ANCHOR BOLT	MAX. SPACING	MASONRY "T" OR WIRE ANCHORS OR WEDLED TO THE BUILDING STRUCTURE	MAX. SPACING
80" – 88"	4	4	22	4	24

SILL ANCHOR REQUIREMENTS FOR 4'0" X 7'0" SIDELIGHT			
ANCHOR TYPE	QUANTITY REQUIRED	REQUIRED EMBEDMENT	MIN EDGE DISTANCE
ANCHORS WITH 3/8" LAG SCREW	2	3"	1.75"
ANCHORS WITH 3/8" EXPANSION SHELL ANCHOR BOLT	2	2.5"	4.00

Head anchors are not required for a 4'0" x 7'0" sidelight frame.

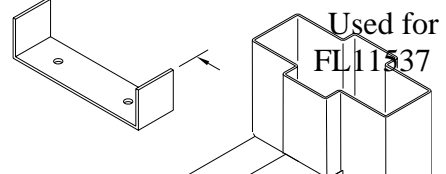
Mullion requirements for 4'0" x 7'0" sidelights

- 1.) Mullions must be anchored as described.
- 2.) Mullions for 4'0" x 7'0" sidelights do not require additional reinforcement
- 3.) Mullions must be face welded.



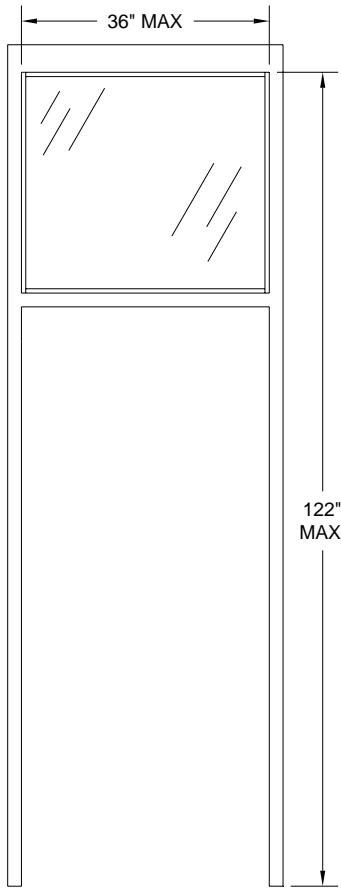
TO SUIT JAMB DEPTH

MULLION STIRRUP ANCHOR MAY ONLY BE USED WITH 4' 0" X 7' 0" SIDELIGHT FRAME



TRANSOM FRAME WITH 3'0" X 7'0" MAX SINGLE DOOR

1.) See glazing and panel installation information for more details



JAMB ANCHOR REQUIREMENT TABLE – TRANSOM FRAME with SINGLE DOOR					
OPENING HEIGHT	ANCHORS W/ 3/8" LAG SCREW, STEEL STUD, OR WOOD STUD	ANCHORS W/ 3/8" EXPANSION SHELL	MAX. SPACING	MASONRY "T" OR WIRE ANCHORS, OR WELDED TO BUILDING STRUCTURE	MAX. SPACING
90"	5	4	22	4	24
92" – 96"	5	5	22	4	24
98" – 104"	6	6	22	5	24
106" – 126"	6	6	22	5	24

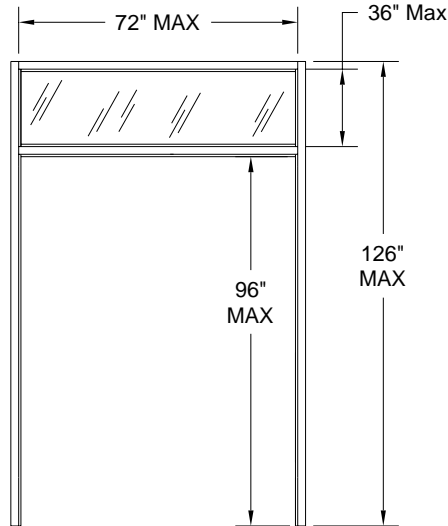
There are no head anchors required for a single transom frame.

Mullion Requirements for Single Transom Frame

- 1.) Mullions for single transom frames do not require additional reinforcement
- 2.) Mullions must be face welded.

TRANSOM FRAME WITH 3'0" WIDE SINGLE 6'0" WIDE MAX PAIR OF DOORS

- 1.) Anchors required in the head of a transom frame greater than 4'0" in width.
- 2.) Transom may be arched.
- 3.) 10 gauge C Channels required in mullions over 3 feet in length
- 4.) See glazing and panel installation information for additional details



JAMB ANCHOR REQUIREMENT TABLE – TRANSOM FRAME with SINGLE DOOR or PAIRS of DOORS					
OPENING HEIGHT	ANCHORS W/ 3/8" LAG SCREW, STEEL STUD, OR WOOD STUD	ANCHORS W/ 3/8" EXPANSION SHELL BOLT	MAX. SPACING	MASONRY "T" OR WIRE ANCHORS, OR WELDED TO BUILDING STRUCTURE	MAX. SPACING
90"	5	4	22	4	24
92" – 96"	5	5	22	4	24
98" – 104"	6	6	22	5	24
106" – 126"	6	6	22	5	24

ANCHOR REQUIREMENT TABLE AT TRANSOM MULLION CONNECTION TO JAMBS (IN ADDITION TO JAMB ANCHORS ABOVE)		
ANCHOR TYPE	QUANTITY REQUIRED PER JAMB	LOCATION
ANCHORS W/ 3/8" LAG SCREW, STEEL STUD, WOOD STUD, or ANCHORS WITH 3/8" EXPANSION SHELL BOLT	4	AT 2" AND 4" ABOVE AND AT 2" AND 4" BELOW MULLION
ANCHORS WITH 3/8" EXPANSION SHELL BOLT	2	AT 2" ABOVE AND 2" BELOW MULLION

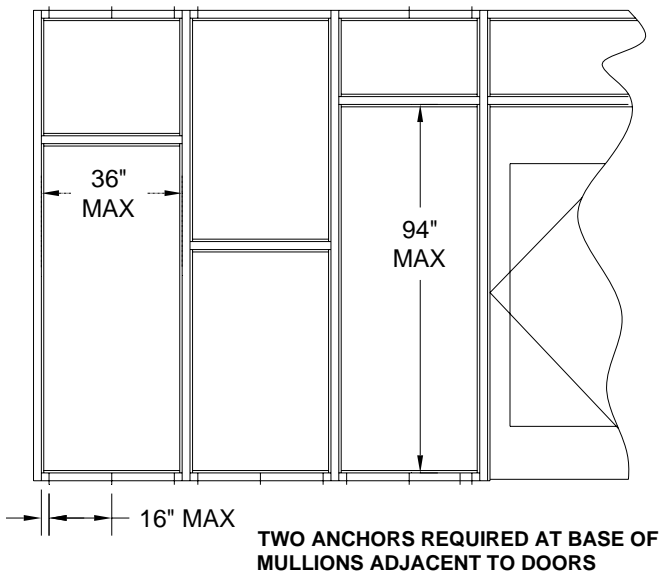
HEAD ANCHOR REQUIREMENT TABLE - TRANSOM FRAME HEAD WITH PAIR OF DOORS		
ANCHOR TYPE	DISTANCE FROM END OF THE HEAD	SPACING
ANCHORS W/ 3/8" LAG SCREW, STEEL STUD, WOOD STUD, or ANCHORS WITH 3/8" EXPANSION SHELL BOLT	2"	14" ON CENTER MAX
WELDED TO THE BUILDING STRUCTURE	3"	30" ON CENTER MAX

WINDOW FRAMES

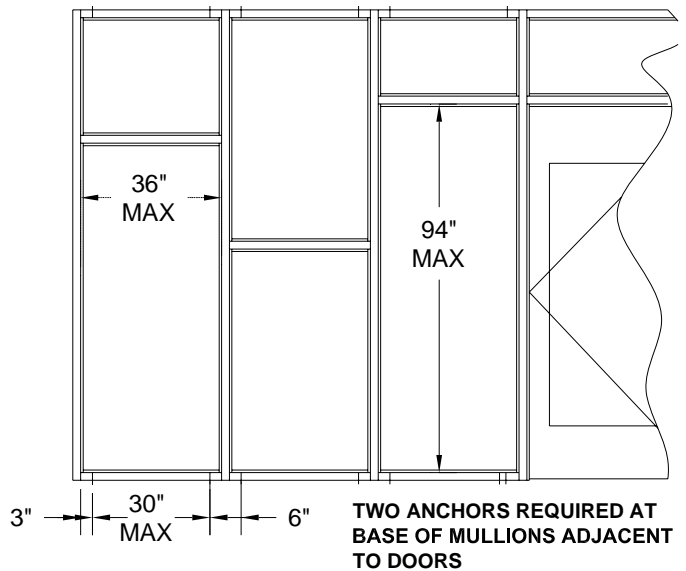
JAMB ANCHOR REQUIREMENT TABLE					
OPENING HEIGHT	ANCHORS W/ 3/8" LAG SCREW, STEEL STUD, OR WOOD STUD	ANCHORS W/ 3/8 EXPANSION SHELL BOLT	MAX. SPACING	MASONRY "T" OR WIRE ANCHORS, OR WELDED TO BUILDING STRUCTURE	MAX. SPACING
80" – 88"	4	4	24	4	24
90"	5	4	24	4	24
92" – 96"	5	5	24	4	24
98" - 104"	6	6	24	5	24
106" – 126"	6	6	24	5	24

Head and sill anchor requirements for Window Frames

**HEAD AND SILL ANCHOR LOCATIONS FOR 3/8" LAG BOLTS
3/8" EXPANSION SHELL BOLTS, DROP IN CONCRETE ANCHORS
WOOD STUD ANCHORS, AND STEEL STUD ANCHORS**

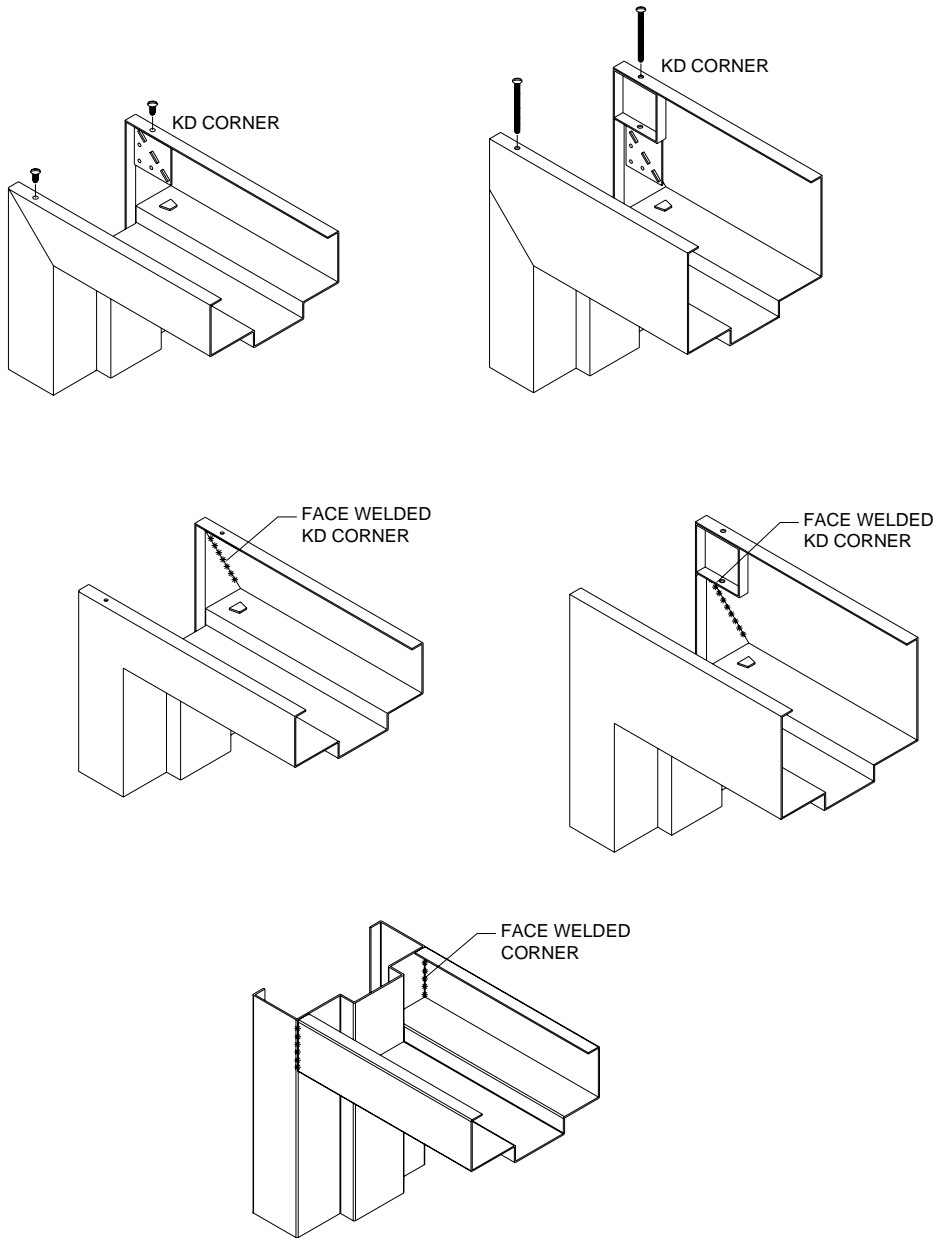


HEAD AND SILL ANCHOR LOCATIONS FOR FRAMES WELDED TO THE BUILDING STRUCTURE



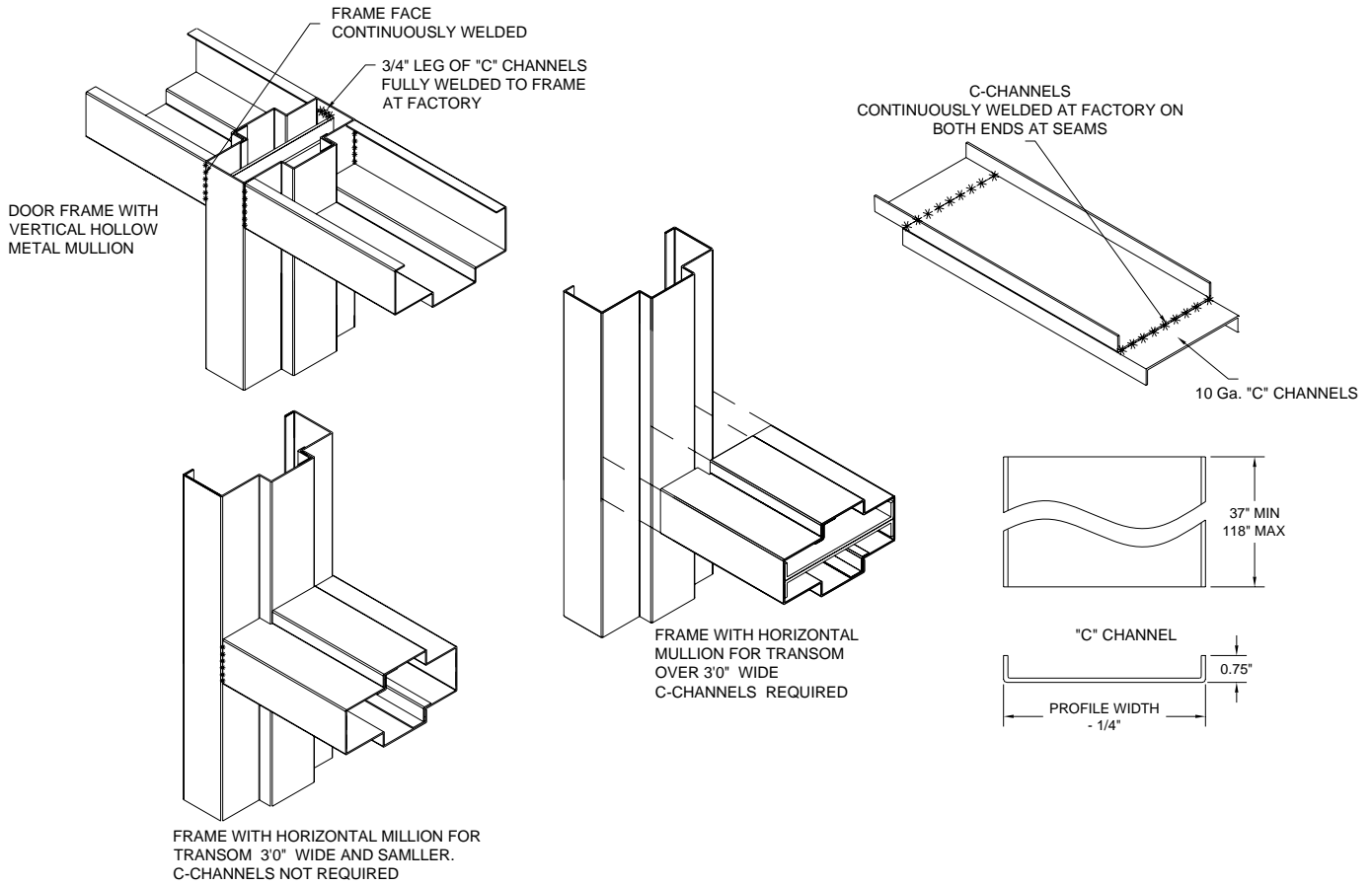
Frame Construction Corner Details –Three-sided and Four sided Frames

- 1.) Three sided door frames may be KD or Face welded
- 2.) Four sided door frames and transom frames must be face welded

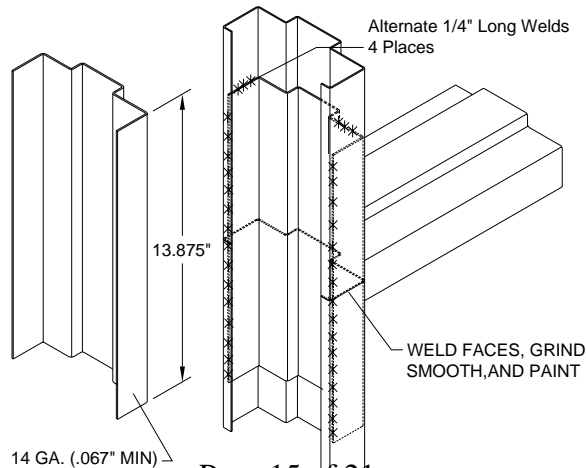


Frame Construction & Mullion Details –Three and Four Sided Door Frames and Transom Frames

- 1.) Mullions must be face welded
- 2.) Mullions over 3’ in length require 10 gauge “C” channels.
- 3.) Mullions must run through heads, sills, or jambs and be reinforced with 10 Ga. (0.126”) “C” channels if greater than 3’ in length.
- 4.) “C” channels to be installed at the factory.

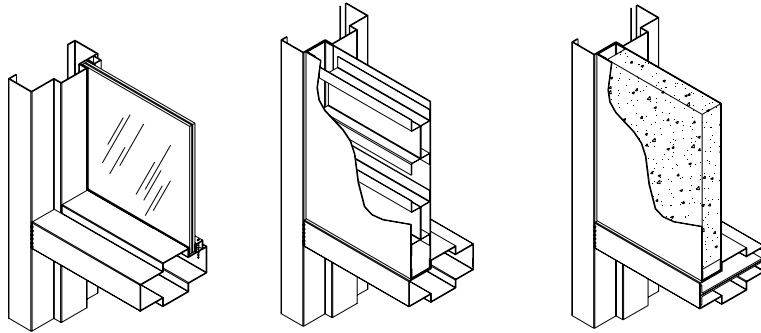


Frame Splice



GLAZING & PANEL INFORMATION

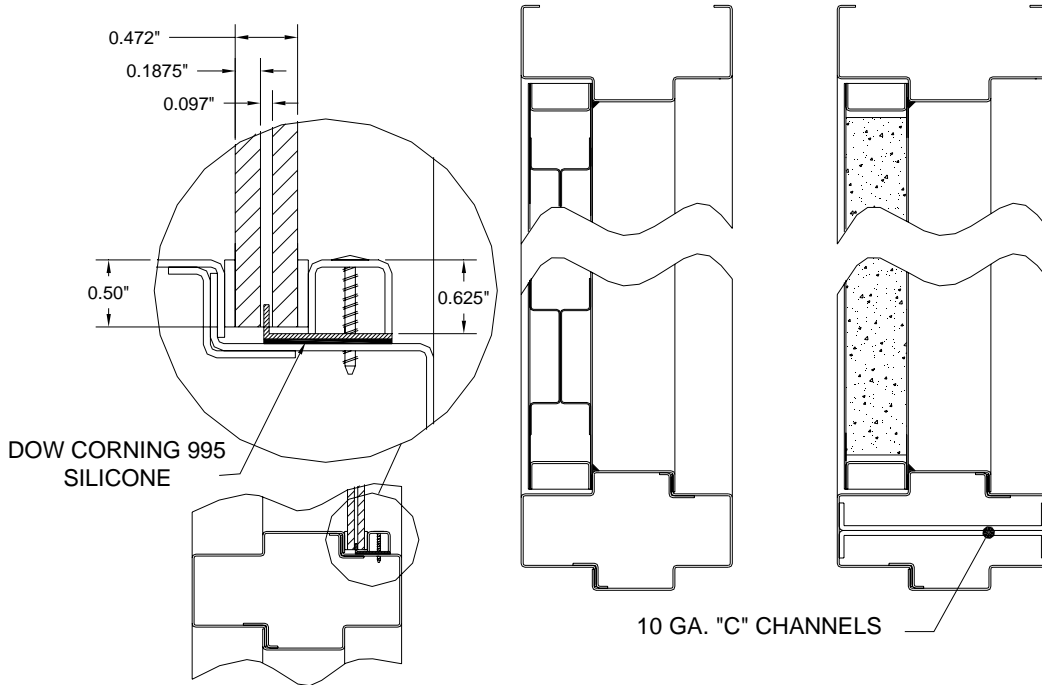
Glass may be installed on either side of the fixed stop. 1-3/4" Steel door panels must be installed on the exterior side of the fixed stop and sealed with silicone or other sealant around the perimeter of the panel.



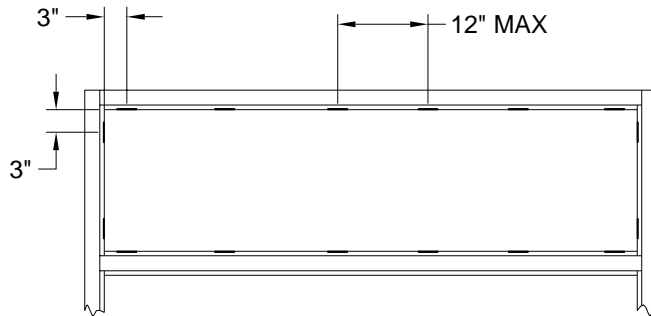
GLASSLAM LAMINATED
GLASS

CURRIES MODEL 747
PANEL

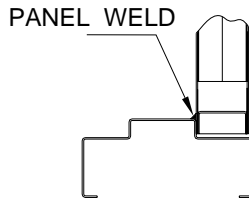
CURRIES MODEL 707 OR
707 CURRIESTAIN PANEL



Panel installation



WELD LOCATIONS FOR CURRIES MODEL 707, CURRIESTAIN MODEL 707, AND CURRIES MODEL 747 FLUSH PANELS
 WELD PANEL TO FRAME WITH ¼" X ½" LONG FILLET WELDS USING E6018 ELECTRODES @ OC SPACING.
 MAXIMUM DAYLIGHT OPENING SIZE 36" X 72"

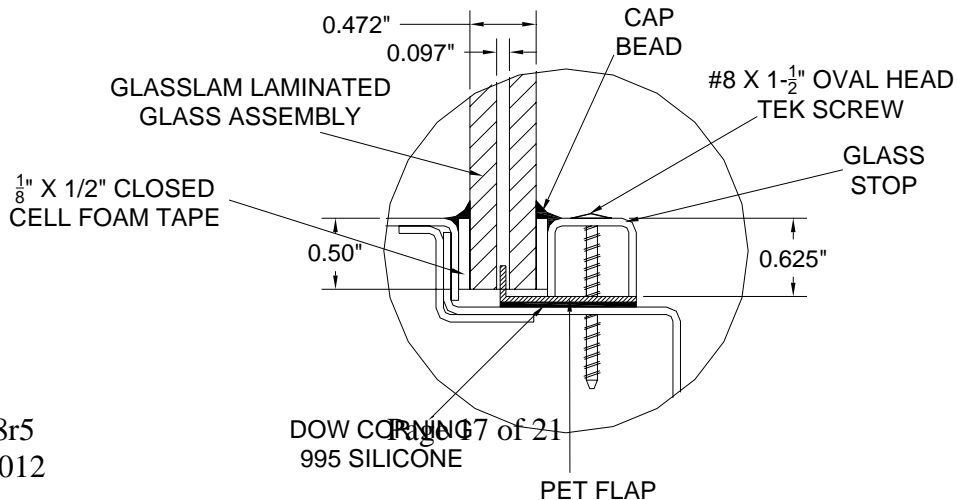


Note: CURRIES Type 2 or Type 3 vision light kit or r Markar WL60 Louver may be installed in panels. 20 gauge surround channel is required. Maximum size is 24" x 60".

Glazing and Louvers

- 1) Curries Type 2 and Type 3 Vision Light Kit may be installed in panels.
- 2) Markar WL60 or Pemko LV-WS Louver may installed in panels.
- 3) Surround Channel – Minimum 20 gauge (0.032")

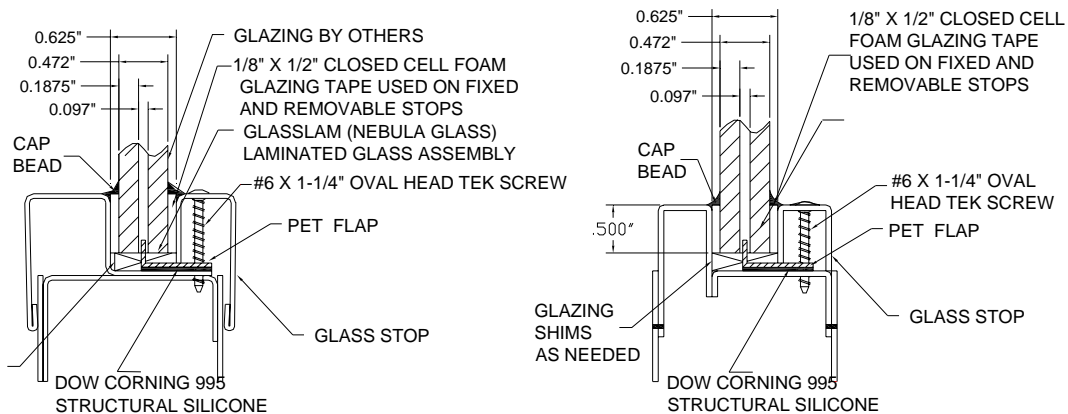
GLASSLAM GLAZING INSTRUCTIONS – FRAMES



Glasslam Glass Glazing Instructions – Frames –cont'd

- 1.) Before removing the removable stops, using a pencil mark alignment marks on the stops and the frame
- 2.) Unscrew the #8-1-2" Oval head TEK screws from the removable stops and remove the stops.
- 3.) Wipe the fixed stop clean and then apply the closed cell foam tape to the fixed stop.
- 4.) If there is plastic release on the foam glazing tape, pull the plastic release back about 2" from each end of the foam tape. Pull the plastic release around the fixed stop so it can be grasped after placing the Glasslam on the unexposed foam tape.
Steps 5- may require the assistance of another person to help hold the Glasslam in place.
- 5.) If there is paper release on the foam glazing tape, remove the paper release before glazing. Spray the exposed foam tape with a mild soap solution immediately before placing the Glasslam on the exposed foam tape.
- 6.) Place glazing shims, as needed, then set the Glasslam on the foam glazing tape.
- 7.) Adjust the Glasslam assembly, as necessary, to center the assembly in the opening.
- 8.) If the release is plastic, grasp the free end of the plastic release, while holding the Glasslam to keep it from moving. Then slowly pull the plastic release off the foam tape that was applied to the fixed stop. Press the Glasslam against the foam tape.
- 9.) Insert a putty knife between the PET flap and the frame rabbet. Using the putty knife pull the PET flap up and off the frame rabbet.
- 10.) While holding the PET flap back away from the frame rabbet with the putty knife, use a caulking gun to apply Dow Corning 995 silicone between the PET flap and the frame rabbet.
IMPORTANT: Ensure that the Dow Corning 995 silicone fully wets out or covers the PET flap and comes in contact with frame rabbet.
- 11.) Slowly move the putty knife around the door ahead of the caulking gun and apply the silicone around the entire opening between the PET flap and the door rabbet.
- 12.) Apply 1/8" x 1/2" closed cell foam tape to the removable stop.
- 13.) If there is plastic release on the foam glazing tape, pull the plastic release back about 2" from each end of the foam tape. Pull the plastic release around the removable stop so it can be grasped after placing the removable stops against the Glasslam.
- 14.) If there is paper release on the foam glazing tape, remove the paper. Spray the exposed foam tape with a mild soap solution immediately before placing the removable stops against the Glasslam.
- 15.) Using the alignment marks, position the removable glass stops against the glass. If stops are too tight lightly grind the end of stop for additional clearance
- 16.) Install and tighten the #8 x 1-1/2" Oval Head TEK screws in the removable stops. Be careful not to over tighten.
- 17.) If the release is plastic grasp the free end of the plastic release tape and slowly pull the plastic release off the foam tape.
- 18.) Trim the PET flap as needed.
- 19.) Using the Dow Corning 995 silicone or other high quality silicone, apply a small cap bead over the closed cell foam tape.

GLASSLAM GLAZING INSTRUCTIONS – VISION LIGHT KITS IN 1-3/4” PANELS



Curries Type 2 Vision Light Kit

Curries Type 3 Vision Light Kit

- 1) Before removing the removable stops, check to be sure there are screws in every hole. Pre-drill holes with a #36 bit where there are screw holes but no screws. Do not remove stops.
- 2) Using a pencil, mark alignment marks on the removable stops and the door.
- 3) Unscrew the #6 x 1-1/4” oval head TEK screws from the removable stops and remove the removable stops. Keep the screws.
- 4) Apply 1/8” x 1/2” closed cell foam glazing tape to the fixed stop.
- 5) If there is plastic release on the foam glazing tape, pull the plastic release back about 2” from each end of the foam tape. Pull the plastic release around the fixed stop so it can be grasped after placing the Glasslam on the unexposed foam tape.
- 6) If there is paper release on the foam glazing tape, remove the paper release before glazing. Spray the exposed foam tape with a mild soap solution immediately before placing the Glasslam on the exposed foam tape.
- 7) Place glazing shims, as needed, then set the Glasslam on the foam glazing tape.
- 8) Adjust the Glasslam assembly, as necessary, to center the assembly in the vision light kit.
- 9) If the release is plastic, grasp the free end of the plastic release, while holding the Glasslam to keep it from moving. Then slowly pull the plastic release off the foam tape that was applied to the fixed stop.
- 10) Trim the PET flap so it is flush with the door face.
- 11) Take a putty knife and insert it between the PET flap and the edge of the cutout in the door. Using the putty knife pull the PET flap away from the cutout in the door.
- 12) While holding the PET flap back away from the cutout with the putty knife, use a caulking gun to apply Dow Corning 995 silicone between the PET flap and the steel in the cutout of the door.

IMPORTANT: Ensure that the Dow Corning 995 silicone fully wets out or covers the PET flap and comes in contact with the steel around the cutout in the door.

- 13) Slowly move the putty knife around the door ahead of the caulking gun and apply the 995 silicone around the entire cutout in the door between the PET flap and the steel in the cut out around the door. .

GLASSLAM GLAZING INSTRUCTIONS – VISION LIGHT KITS IN 1-3/4” PANELS – CONT’D

- 14) Apply 1/8” x 1/2” closed cell foam glazing tape to the removable stop.
- 15) If there is plastic release on the foam glazing tape, pull the plastic release back about 2” from each end of the foam tape. Pull the plastic release around the removable stop so it can be grasped after placing the removable stop on the polycarbonate.
- 16) If there is paper release on the foam glazing tape, remove the paper. Spray the exposed foam tape with a mild soap solution immediately before placing the removable stops against the Glasslam.
- 17) Using the alignment marks, position the removable stops against the Glasslam.
- 18) Install and tighten the #6 x 1-1/4” oval head TEK screws in the removable stops. Be careful not to over tighten.
- 19) If the release is plastic, grasp the free end of the plastic release, and slowly pull the plastic release off the foam tape that was applied to the removable stop.
- 20) Using the Dow Corning 995 silicone or other high quality silicone, apply a cap bead over the closed cell foam tape on the exterior side of the door vision light kit.

Hinges

- 1) Any Steel Door Institute (SDI) Member hinge spacing is permitted.
- 2) Minimum hinge size is 4-1/2” x 4-1/2” Std. Wt. unless otherwise noted.
- 3) McKinney HG305, MCK-12 HD, MCK-14HD, MCK-25HD; Markar FM100, FM200, FM300, FM3500, FM100, or FM1111; Pemko CFMSLF-HD continuous hinges are permitted.
- 4) Approved continuous hinges and pivots are allowed.
- 5) Install butt hinges, continuous hinges, and pivots in accordance with manufacturer’s instructions.

Locks

- 1) Any SDI Member lock locations are permitted.
- 2) Install latching hardware in accordance with manufacturers installation instructions
- 3.) 1” diameter preparations for door position switches are permitted.
- 4.) Door position switches that fit in a cutout measuring 1.25” x 4.875” may be used in single 3’0” x 7’0” doors rated 60 psf or less.**
- 5.) Securitron EPT, EPTL, and CEPT and Von Duprin EPT 2 and EPT 10 power transfers may be used.
- 6.) Magnetic locks may be used in addition to the required latching hardware

Thresholds and Weather-strip

1.) Thresholds

McKinney Products Part Nos. MCK177, MCK181, MCK2005

National Guard Part Nos. 803, 804, 896, 8315

Pemko Part Nos. 177, 181, 2005

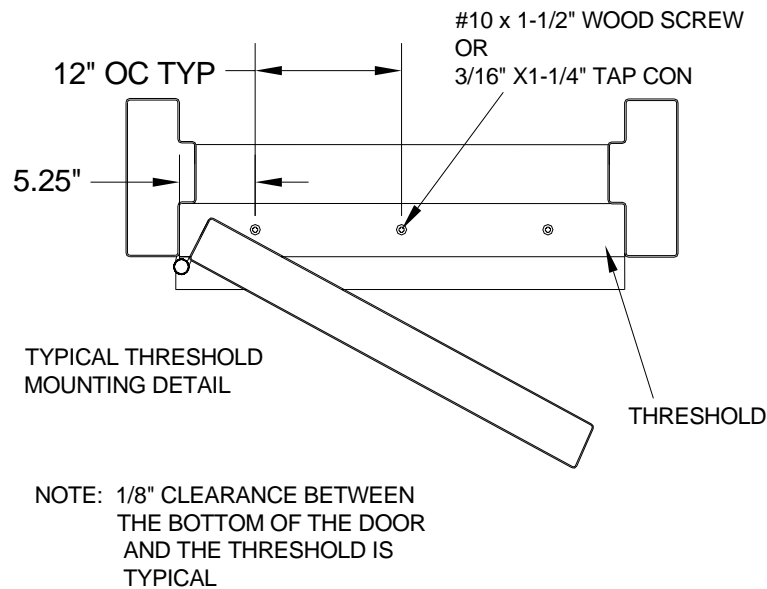
2.) Weather-Strips

McKinney Products Part Nos. MCKS88, MCK303 (Use MCK303 with continuous hinges)

National Guard Part Nos. 160, 5050 (Use 160 with continuous hinges)

Pemko Part Nos. S88, 303 (Use 303 with continuous hinges)

Threshold Installation



Test Protocols Used

- 1) ANSI A250.13 Testing and Rating of Severe Windstorm Resistant Components for Swinging Door Assemblies
- 2) ASTM E330 Standard Test Method for Structural Performance of Exterior Windows, Curtain Walls, and Doors by Uniform Static Air Pressure Difference
- 3) ASTM E1886 Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors, and Storm Shutters Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials
- 4) ASTM E1996 Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors and Impact Protective Systems Impacted by Windborne Debris in Hurricanes
- 5) TAS 201-94, Impact Test Procedures
- 6) TAS 202-94, Criteria for Testing Impact and Non-Impact Resistant Building Envelope Components Using Uniform Static Air Pressure.
- 7) TAS 203-94, Criteria For Testing Products Subject to Cyclic Wind Pressure Loading