

Oldcastle BuildingEnvelope®

RELIANCE UNIT WALL ASSEMBLY & GLAZING INSTRUCTIONS

NOTE:

THE ASSEMBLY DETAILS FOUND IN THIS PACKAGE ARE GENERIC AND ARE FOR REPRESENTATION ONLY WITH THE INTENT OF GIVING THE ASSEMBLY TEAM A VISUAL REPRESENTATION AS TO HOW THE ASSEMBLIES TYPICALLY ASSEMBLE. THE SHOP SUBMISSION DRAWINGS AND DETAILS ARE THE GOVERNING DOCUMENTS AND AS SUCH THIS PACKAGE IS TO BE USED ONLY AS A RESOURCE.

FOLLOW STRUCTURAL GLAZING TAPE AND SEALANT MANUFACTURER'S RECOMMENDATIONS FOR USE AND APPLICATION OF THE STRUCTURAL GLAZING TAPE AND WEATHER SEAL.

NOTE: CUSTOMER / PROJECT QUALITY ASSURANCE PROCEDURES ARE SEPARATE DOCUMENTS AND ARE TO BE FOLLOWED IN CONJUNCTION WITH THIS MANUAL.

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GENERAL INFORMATION

PRODUCT USE

The **Reliance™ Unit Wall** system is intended for fabrication, assembly, sealing, installation and glazing by professionals with appropriate knowledge and experience of the system(s) and their incorporation into various building conditions.

It is critical to involve 3M™ at the earliest stage of the project as possible. Building loads and glass sizes may be restricted based on structural capabilities of the tape used on project. Supplier must review shop drawings and make recommendations prior to ordering materials.

When using 3M™ VHB™ SGT you must involve 3M's™ technical services to obtain approval, and have SOP written for project specific materials, order materials and schedule training prior to assembling any window frames. (3M VHB must be purchased directly from distributor and is NOT provided by or sold through Oldcastle BuildingEnvelope®).

Consult sealant manufacturer for review and recommendation of sealant application. Follow sealant manufacturer's recommendations and literature for proper installation.

GLAZING PRACTICES

The air and water performance of the **Reliance™ Unit Wall** system is directly related to the completeness and integrity of the installation process, including but not limited to the assembly seals of the framing joinery, the installed glazing gaskets, and the alignment of the framing joinery glazing plane. Before glazing, verify the glazing pocket width and glazing infill thickness, as both must be in tolerance to assure adequate edge pressure and to achieve the desired air and water performance levels. (In general, framing systems utilizing 1" insulating glass are designed to accommodate a thickness variance of +/- 1/32"). Note: Excessive pressure can cause glass breakage and/or IGU failure. Consult the glass manufacturer for their recommended edge pressure per lineal inch. To achieve the designed and tested air and water performance, best practices include:

1. Surface to be sealed should be cleaned with isopropyl alcohol or solvent and dried as recommended by tape/sealant manufacturer to remove dirt and cutting oils. No gap should be visible in the sealant. Exposed surfaces should be cleaned of excess sealant after installing the horizontal. Inspect joint for complete sealant contact, especially where the horizontal meets the face of the vertical member.
2. Glazing gaskets should be cut ¼" longer per foot, and lay flat, preferably for 24 hours.
3. Gaskets should be cut as single monolithic pieces and "crowded" during their installation to avoid corner gaps caused by post-installation relaxation.
4. The interior glazing gasket should be installed so as to avoid stretching, buckles, or tears.
5. Corners must be cut square, and at a slight angle when required to conform to the bevel on the intersecting gasket; sealed and butted together.
6. Gasket corner joinery must also be crowded, and sealant applied onto the gasket contact frame surface and into gasket reglet raceway where applicable.
7. Gasket corner seals are to be done just prior to installing glass, while the sealant is still wet and uncured, and ensure exterior gaskets are installed so as to place the glass into it's final in-service condition and allow the sealant to conform to optimum configuration. Note: If the sealant cures prior to glazing, the cured sealant could create excessive edge pressure onto the glass and has the potential to cause glass breakage.

8. The glass must be checked for squareness, size dimension, and thickness along the edges paying attention to any variances from center edge to corner edge.
9. Check the placement of the installed glass and verify there is proper edge bite into the pocket, and proper edge clearance from framing elements.
10. After sealant has set and a representative amount of the wall has been installed and glazed (250 square feet or more) run a water hose test in accordance with AAMA 501.2 specifications to check installation. On large projects the hose test should be repeated during the glazing operation. Consult and follow NGA's GANA Manual and FGMA Glazing Manual for proper glazing technique and procedure.

Variations on the details shown are inevitable and are not the responsibility of Oldcastle BuildingEnvelope when drawn by others. Oldcastle BuildingEnvelope strongly encourages its customers to utilize Oldcastle BuildingEnvelope® supplied calculations and shop drawings.

BUILDING CODES

Oldcastle BuildingEnvelope® does not control the application nor selection of its product configurations, sealant, or glazing materials, and assumes no responsibility thereof. It is the responsibility of the owner, architect, and installer to make these selections in strict compliance with applicable laws and building codes.

PROTECTION AND STORAGE

Handle all material carefully. Do not drop from the truck. Stack with adequate separation so the material will not rub together. Store material off the ground, protecting against the elements and other construction hazards by using a well-ventilated covering. Remove material from package if wet or located in a damp area. For further guidelines consult AAMA publication CW-10 "Care and Handling of Architectural Aluminum From Shop to Site."

CHECK MATERIAL

Check glass dimensions for overall size as well as thickness. Oldcastle BuildingEnvelope cannot be held responsible for gaskets that are not watertight due to extreme glass tolerances. The unitized curtain wall system is designed to accommodate glass or panels measuring 1" in thickness (+/- 1/32").

Check all material upon arrival at job site for quality and to determine any shipping damage.

Using the contract documents, completely check the surrounding conditions that will receive your materials. Notify the general contractor by letter of any discrepancies before proceeding with the work. Failure to do so constitutes acceptance of work by other trades.

Check shop drawings, installation instructions, architectural drawings and shipping lists to become familiar with the project. The shop drawings take precedence and include specific details for the project. The installation instructions are of a general nature and cover the most common conditions. Due to varying job conditions all sealant used must be approved by the sealant manufacturer to ensure it will perform per the conditions shown on the instructions and shop drawings. The sealant must be compatible with all surfaces in which adhesion is required, including other sealant surfaces. Use primers where directed by sealant manufacturer. Properly store sealant at the recommended temperatures and check sealant for remainder of shelf life before using.

FIELD CONDITIONS

All material to be installed must be plumb, level and true. Aluminum to be placed in direct contact with masonry or incompatible material should be isolated with a heavy coat of zinc chromate, bituminous paint or non-metallic material unless otherwise specified. After sealant is set and a representative amount of the wall has been glazed (250 sq. ft. or more), perform a water hose test in accordance with AAMA 501.2 "Field Check of Metal Storefront, Curtain Walls and Slope Glazing Systems for Water Leakage".

On large projects the hose test must be repeated during the glazing operation. Review anchors or embeds in structure as early as possible to confirm that 'as built' building structure can accommodate anticipated anchor tolerances.

CLEANING MATERIALS

Cement, plaster terrazzo, alkaline and acid-based materials used to clean masonry are very harmful to finishes. Any residue should be removed with water and mild soap immediately or permanent staining will occur. A spot test is recommended before any cleaning agent is used. Refer to the Architectural Finish Guide in the Detail Catalog.

EXPANSION JOINTS

Expansion joints and perimeter joints shown in these instructions and in the shop drawings are shown at nominal size. Actual dimensions may vary due to perimeter conditions and/or differences in metal temperature between the time of fabrication and the time of assembly/installation. For example, a 12-foot unrestrained length of aluminum can expand or contract 3/32" over a temperature change of 50 degrees F. Any movement potential should be accounted for at the time of the assembly and installation.

MEASURING & CUTTING MATERIAL

Unless otherwise noted, the details shown in these instructions reflect 1 " glazing,
and are representative of typical non corner conditions.

- 1.1 Measure ROUGH OPENING to determine FRAME WIDTH and FRAME HEIGHT dimensions.
Allow 3/4" minimum clearance at jamb vertical & 1 1/4" at head frame installation.
- 1.2 Cut material to size.

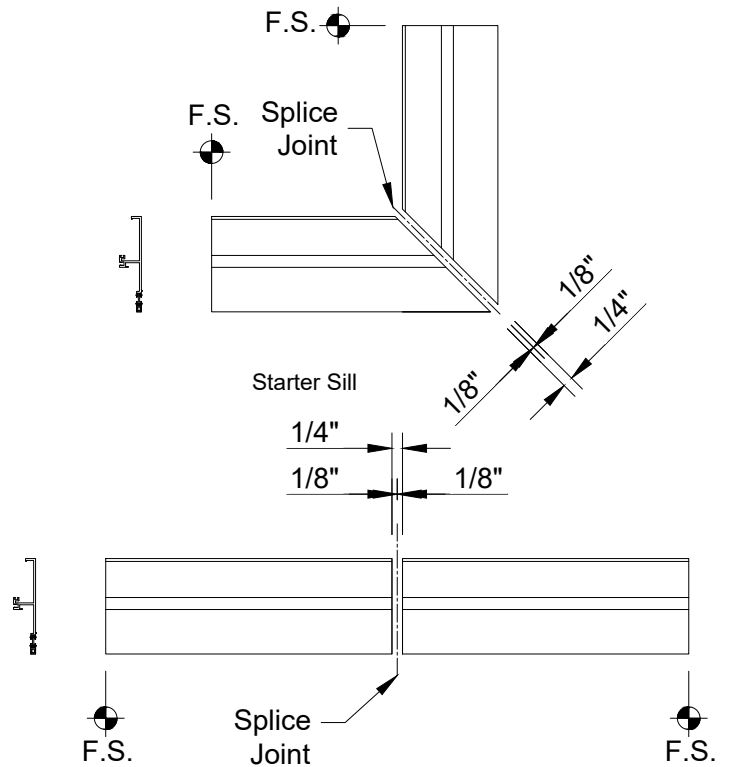
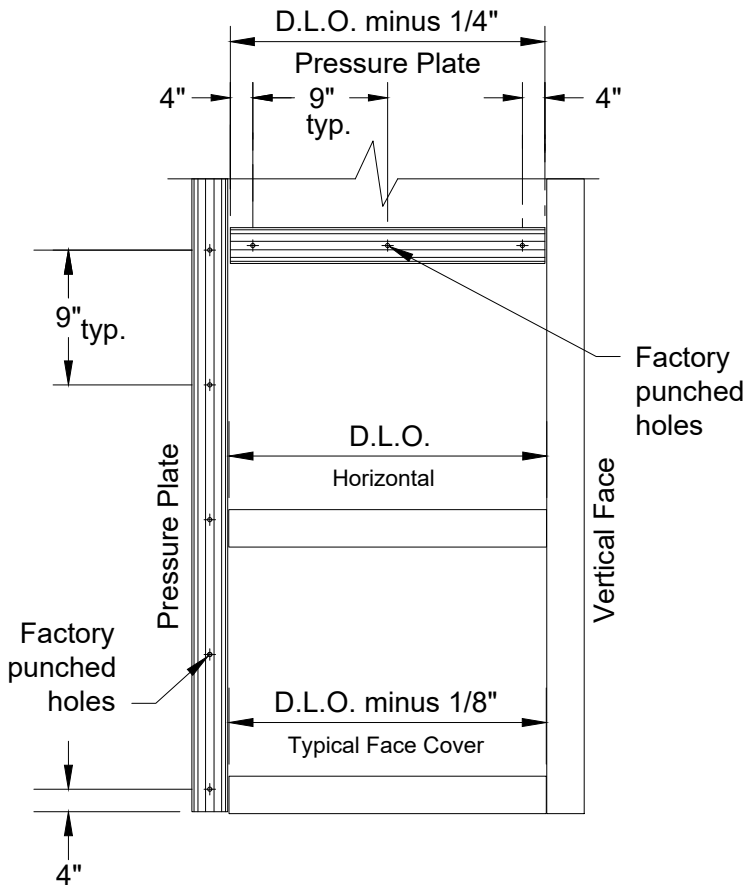
Frame Members

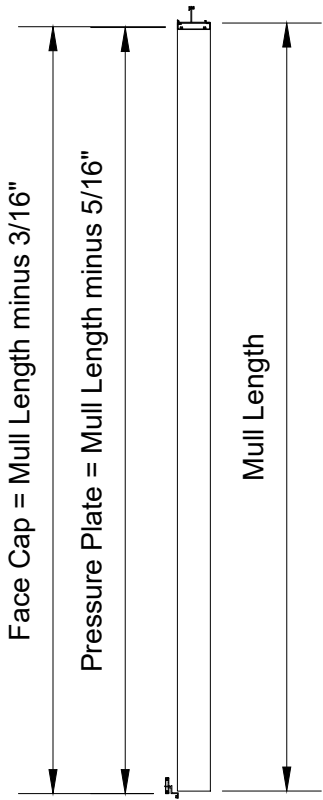
- Verticals
- Vertical Pressure Plates
- Vertical Face Covers
- Vertical Pocket Filler (Non Capt.)
- Vertical Pocket Filler Trim (Non Capt.)
- Horizontals
- Horizontal Interior Trim
- Horizontal Stack

- Horizontal Pocket Filler

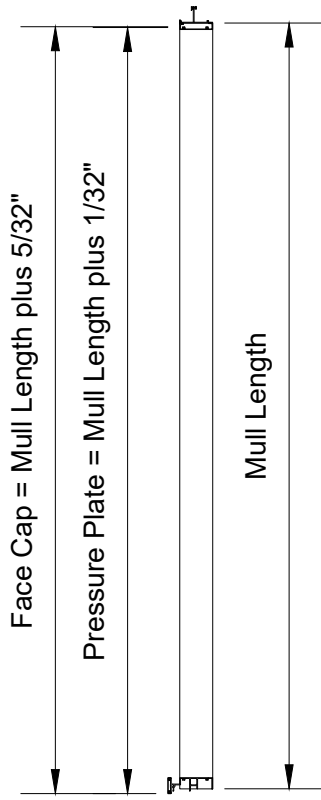
- Horizontal Pressure Plates
- Horizontal Face Covers
- Horizontal Pocket Filler (Non Capt.)
- Horizontal Pocket Filler (Non Capt.)
- Starter Sill

- Reference Project Shop Drawings.
- See Page 5 for Cut Lengths
- See Page 5 for Cut Lengths
- Mull Height
- Mull Height
- D.L.O.
- D.L.O. minus 1/16"
- D.L.O. plus 3 5/8" (jamb unit)
- D.L.O. plus 2 1/4" (typ. unit)
- D.L.O. plus 3 5/8" (jamb unit)
- D.L.O. plus 2" (typ. unit)
- D.L.O. minus 1/4"
- D.L.O. minus 1/8"
- D.L.O. plus 3 1/4" (jamb unit)
- D.L.O. plus 1 1/2" (typ. unit)
- Frame size w/ 1/4" splice joints
as required

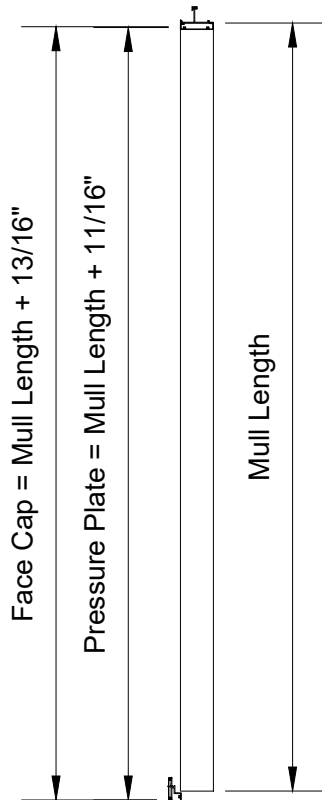




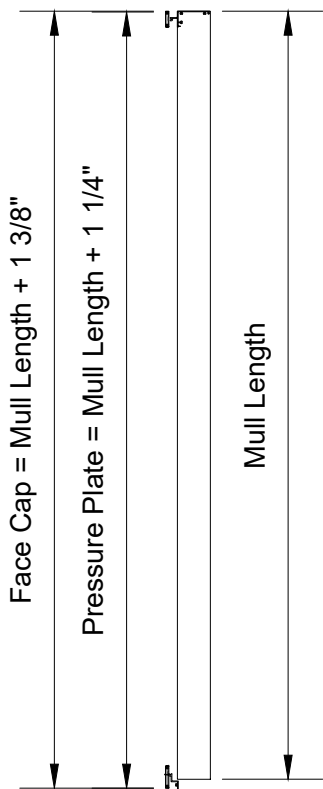
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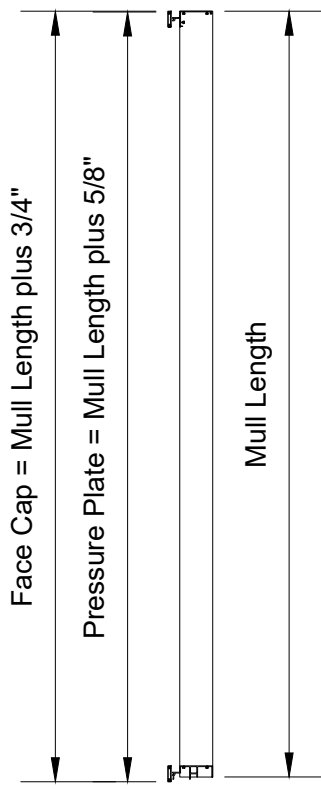
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Starter Sill to Stack



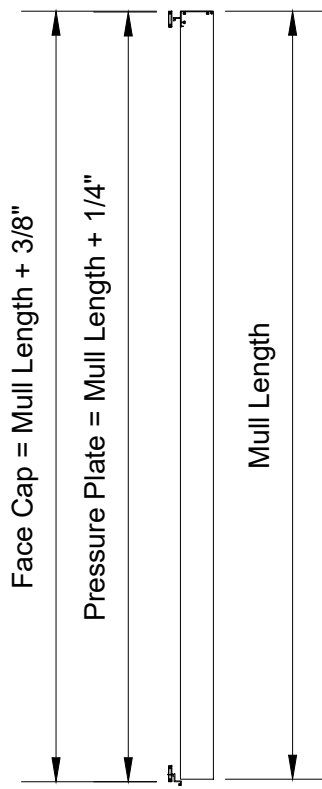
Stack to Stack



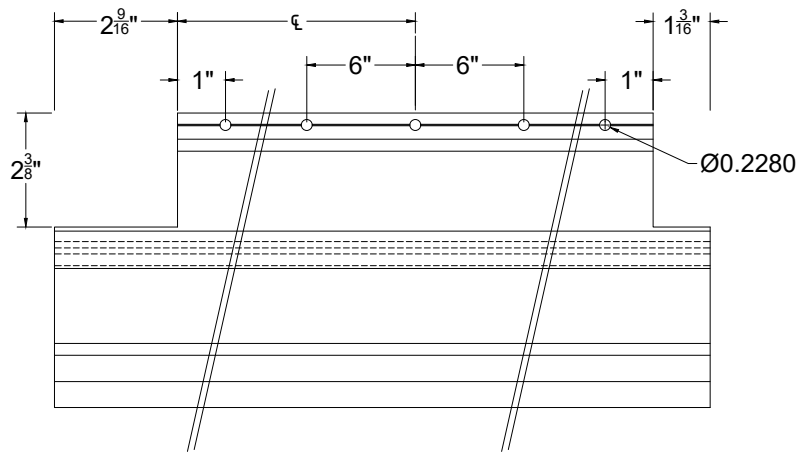
Stack to Head



Dead Load
Starter Sill to Head

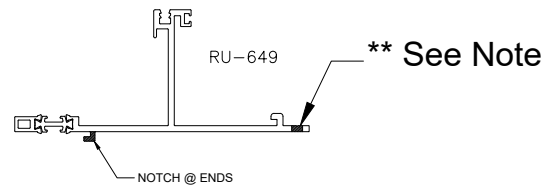
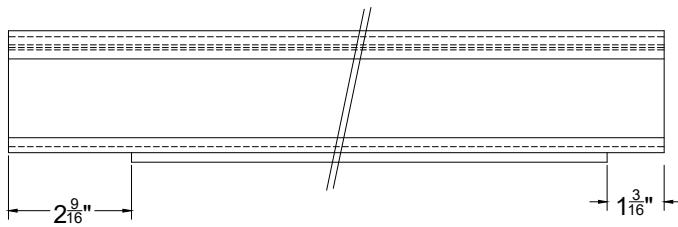
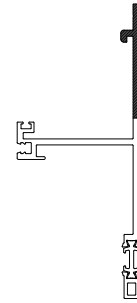


Live Load
Starter Sill to Head

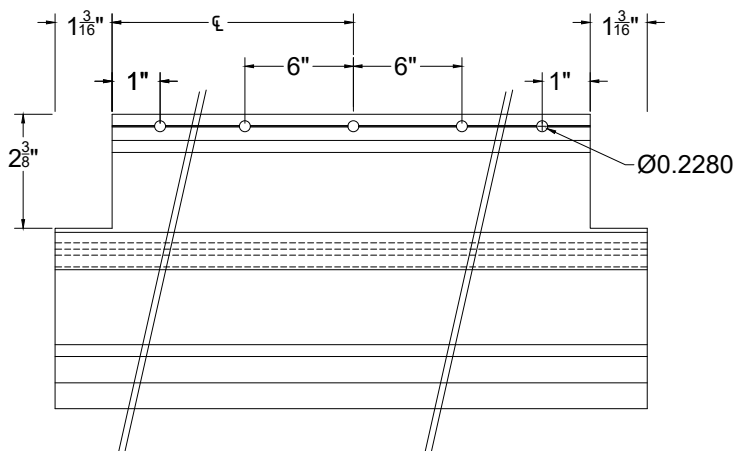


JAMB

MULL

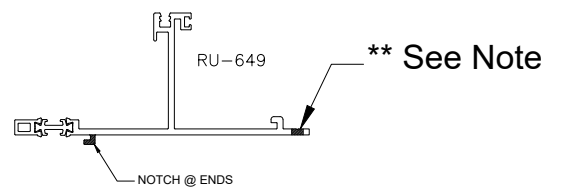
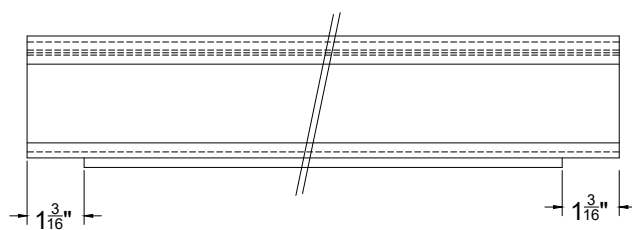
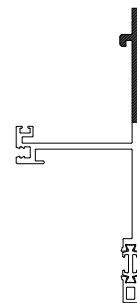


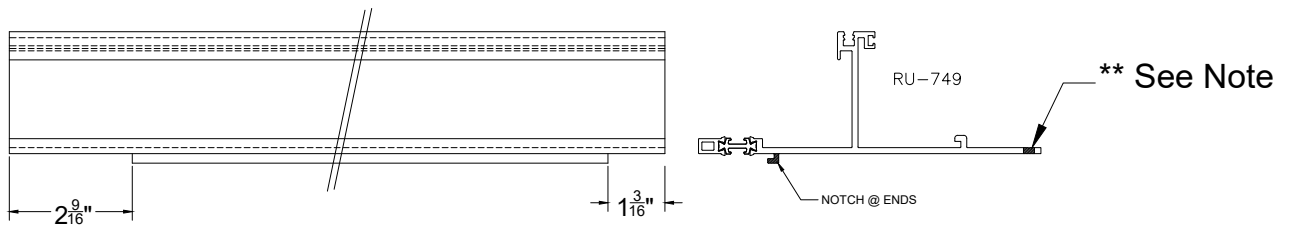
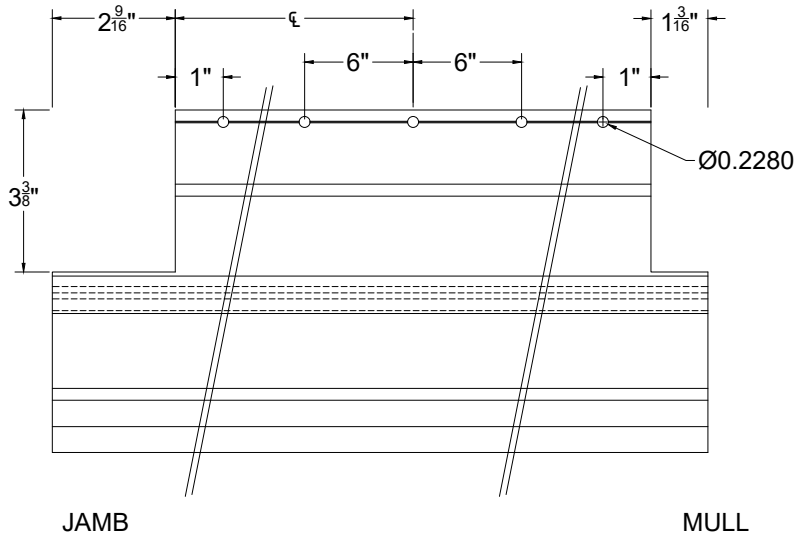
****Additional fasteners may be required to meet project specific structural requirements.**



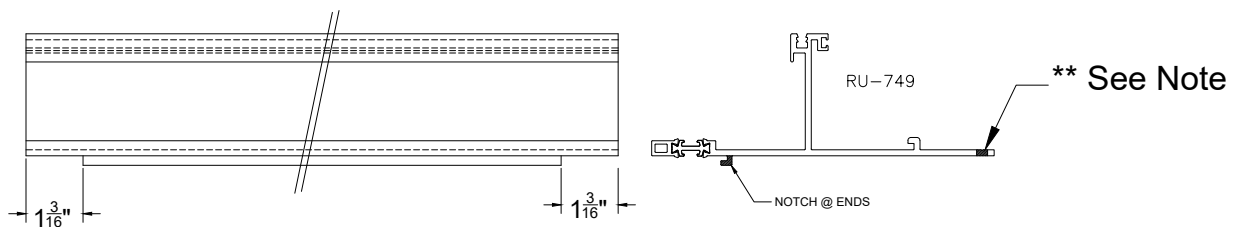
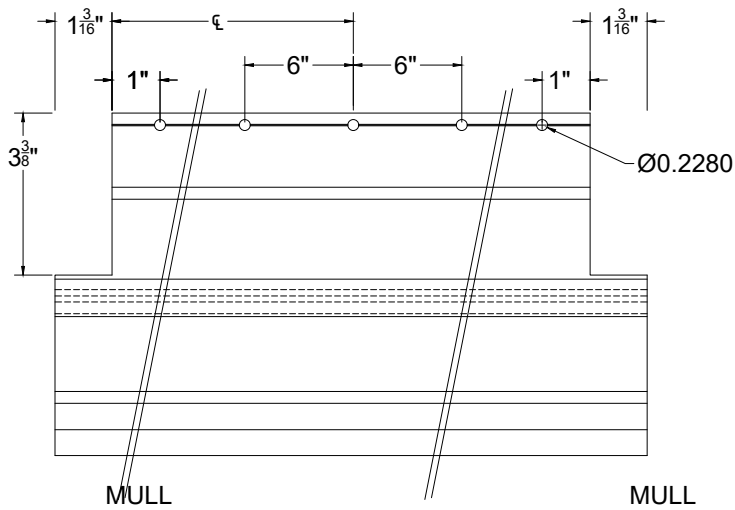
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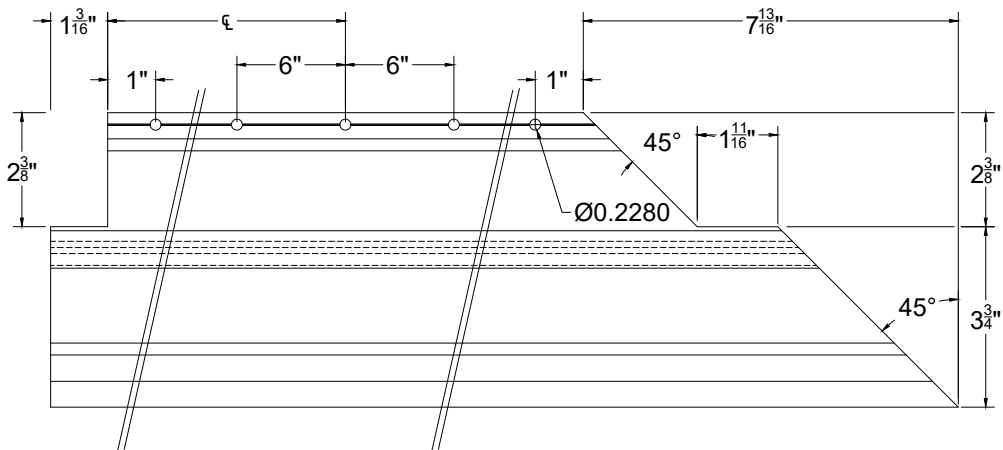
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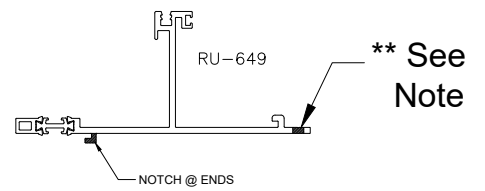
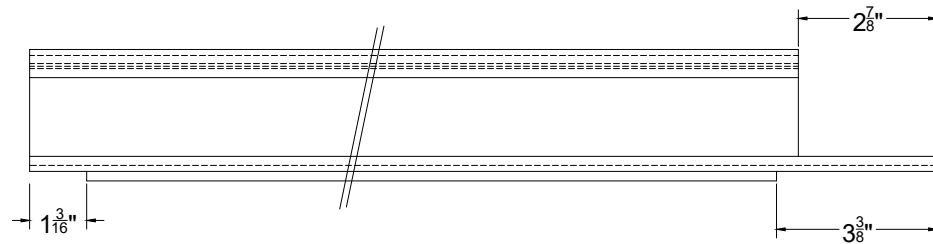
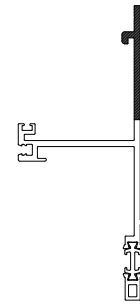
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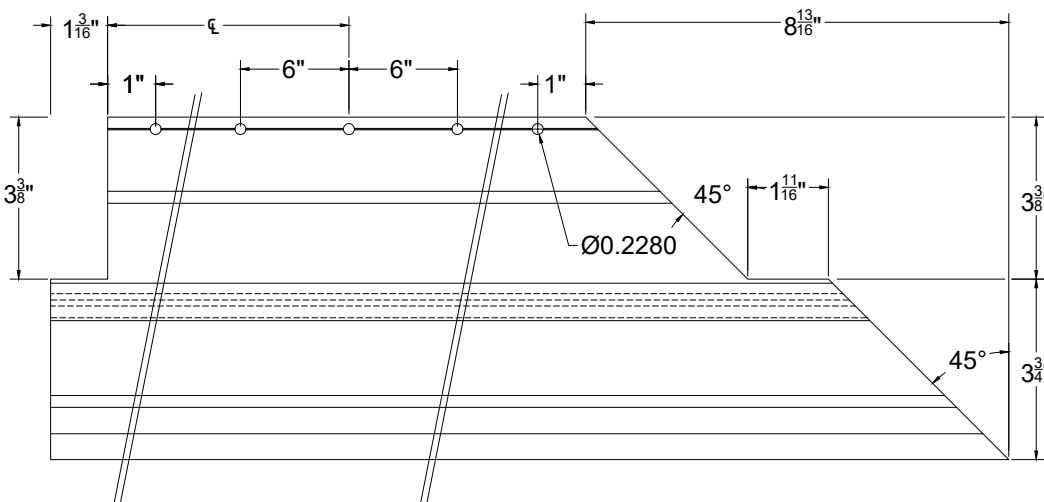
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90° CORNER



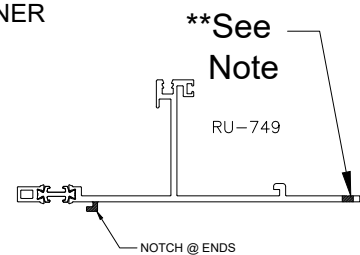
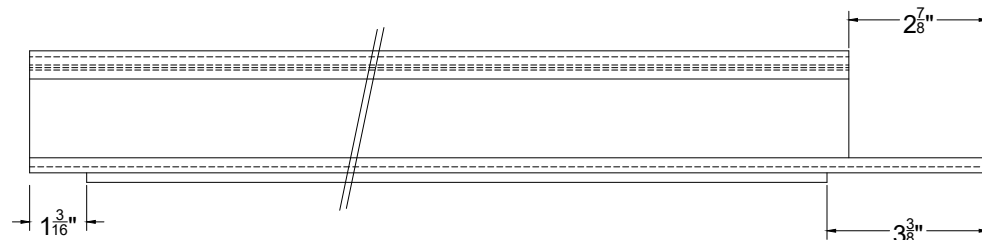
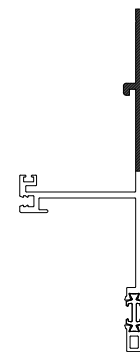
7 1/4" HORIZONTAL REFERENCE INFORMATION

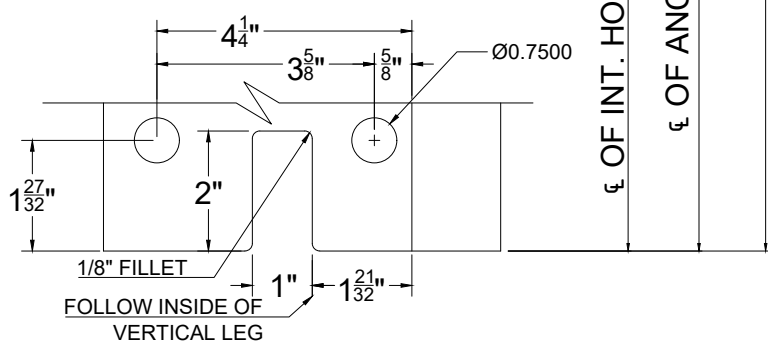
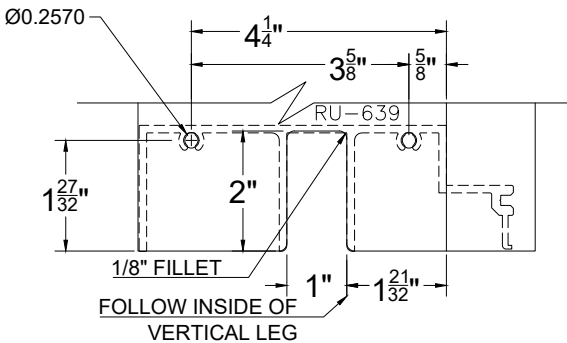
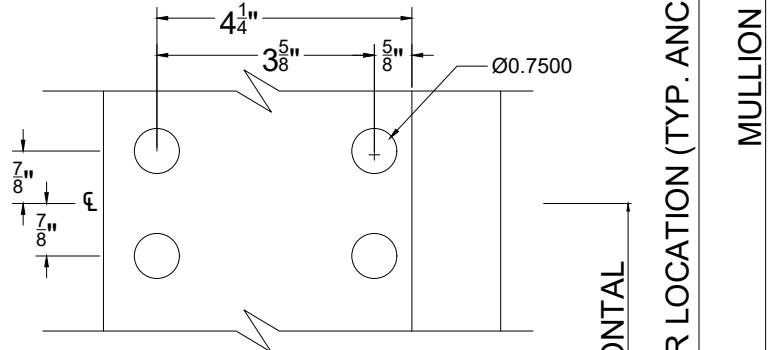
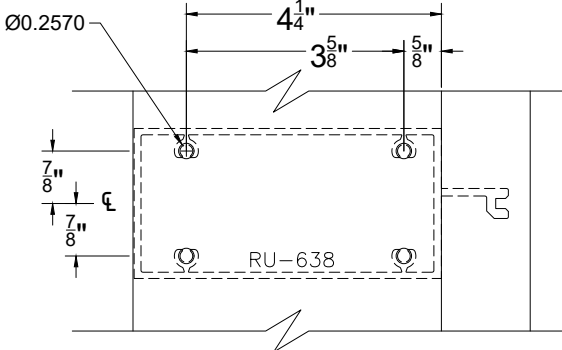
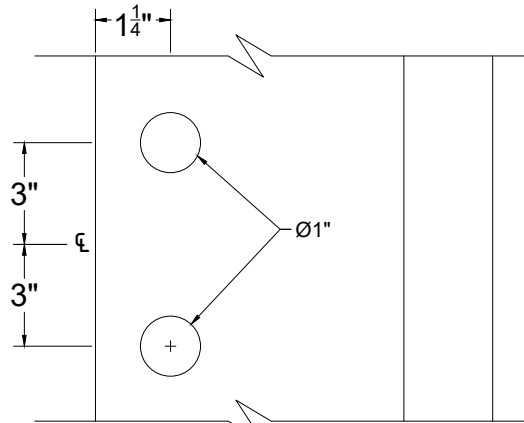
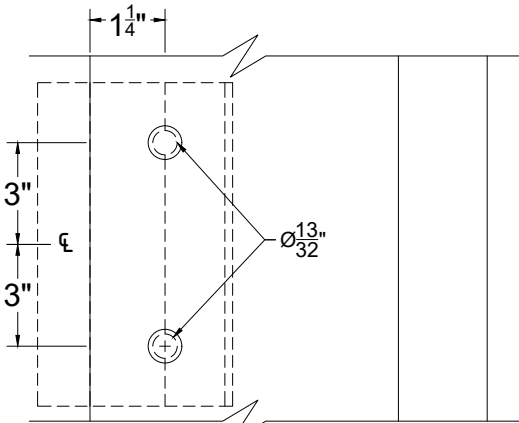
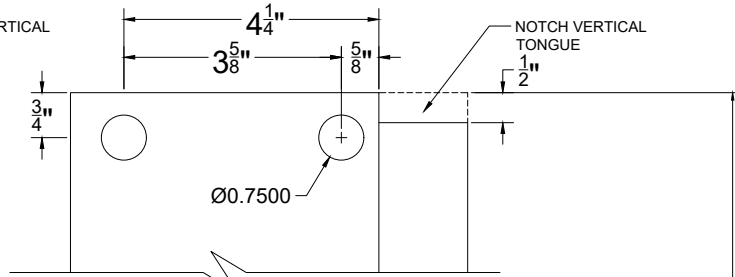
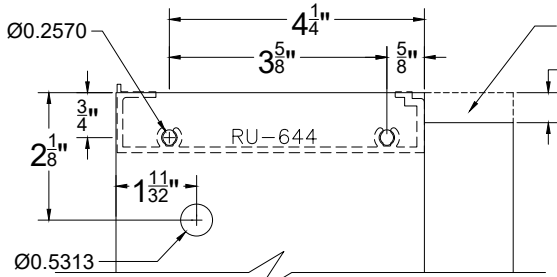
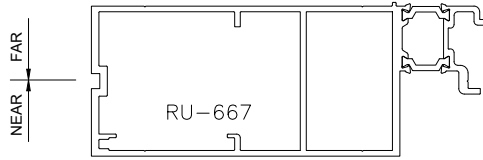
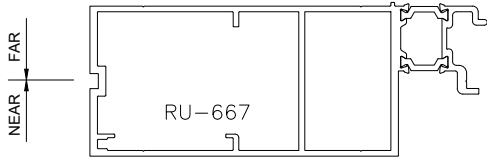
**Additional fasteners may be required to meet project specific structural requirements.



MULL

90° CORNER





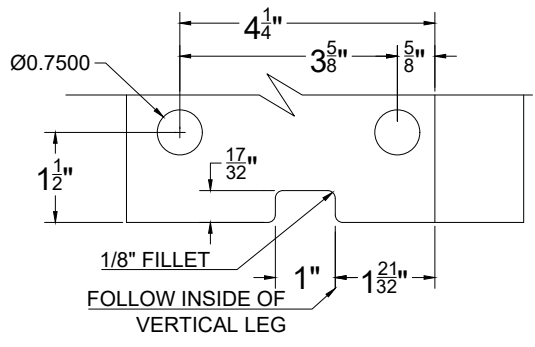
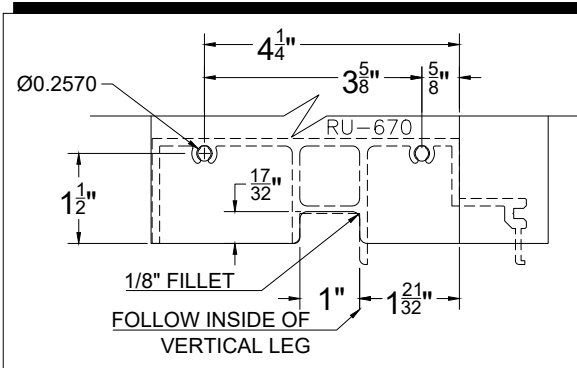
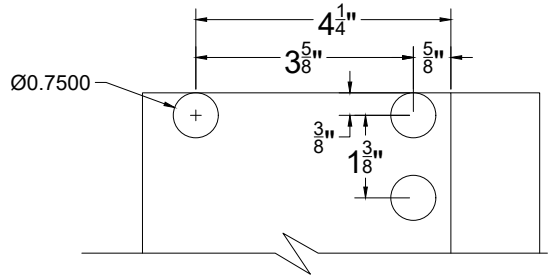
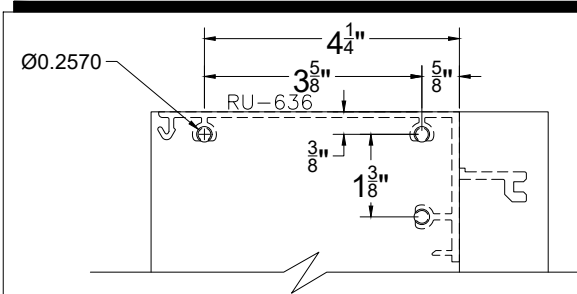
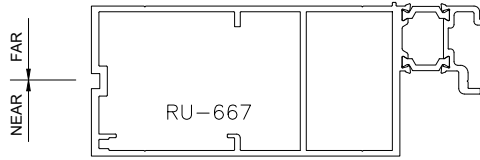
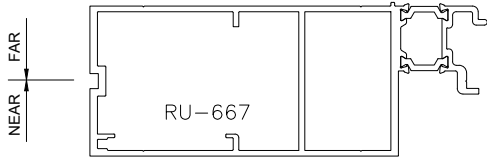
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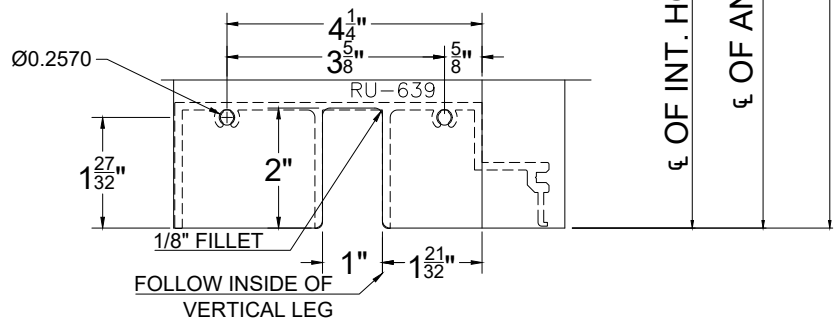
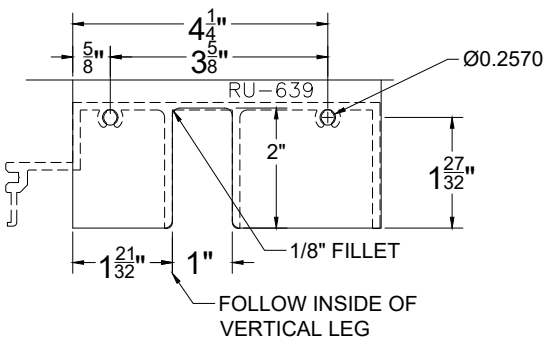
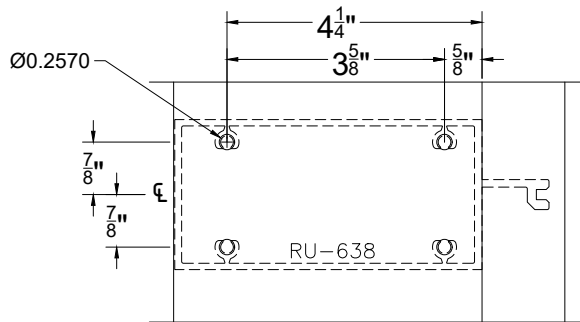
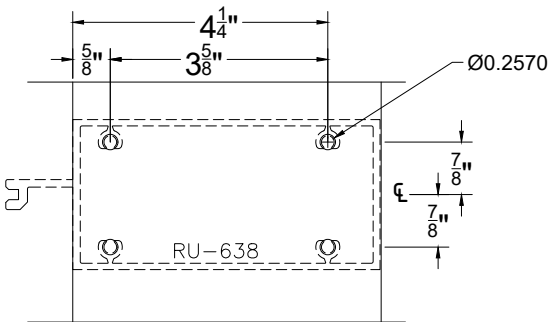
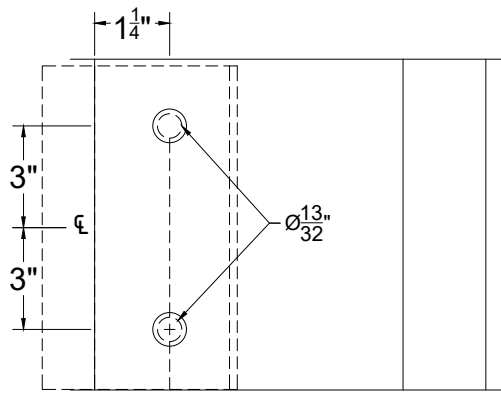
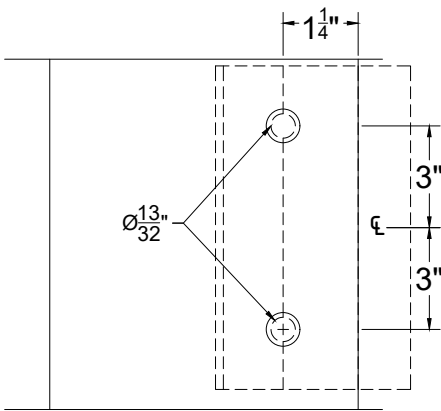
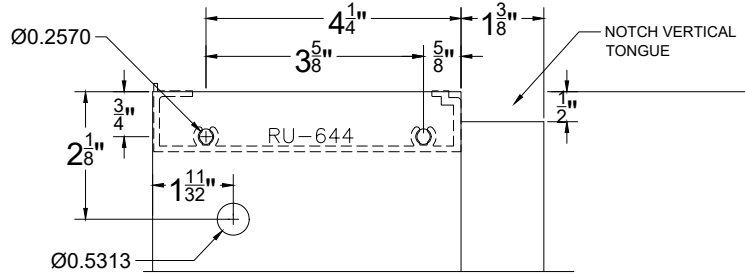
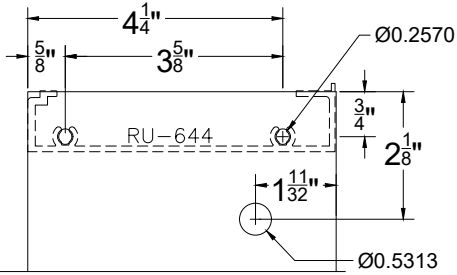
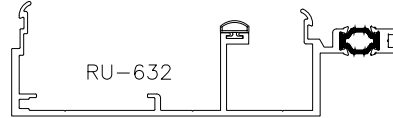
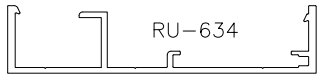
Ɛ OF INT. HORIZONTAL

Ɛ OF ANCHOR LOCATION (TYP. ANCHOR)

NEAR SIDE PREPS

FAR SIDE PREPS

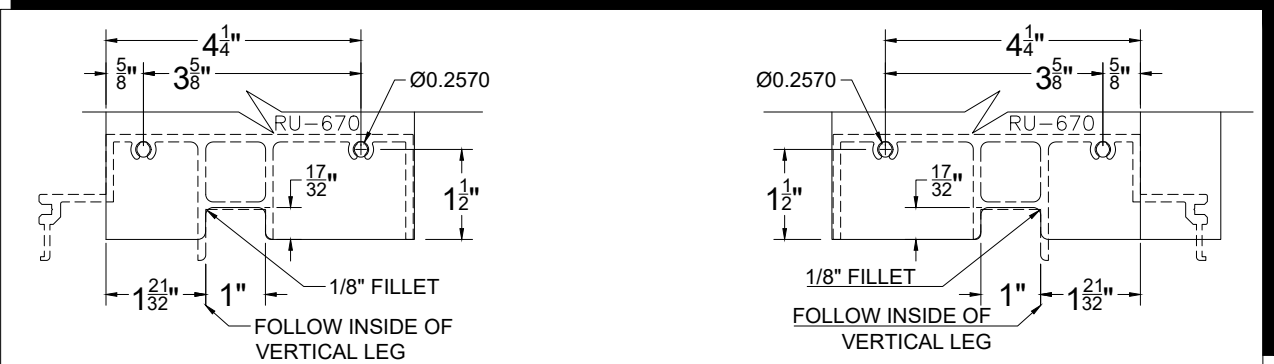
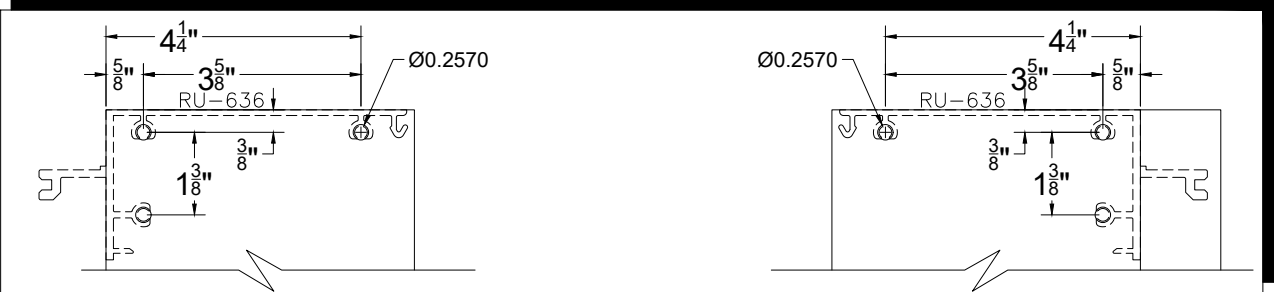
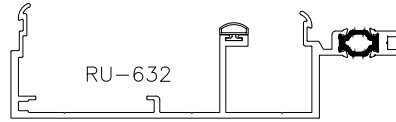
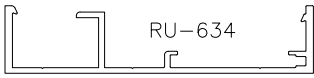


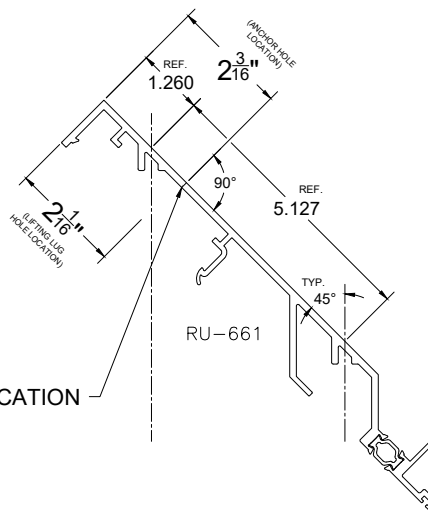
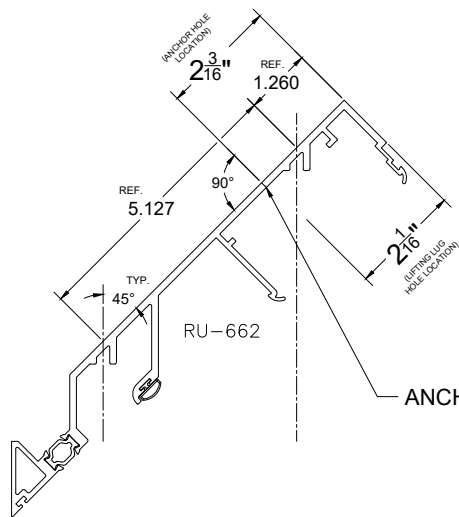


MULLION LENGTH

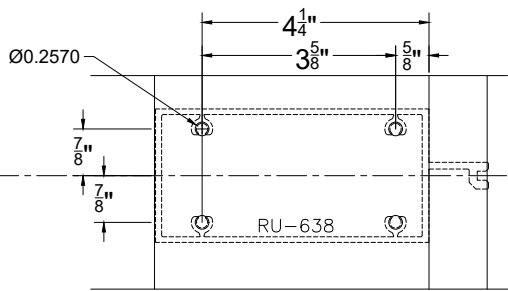
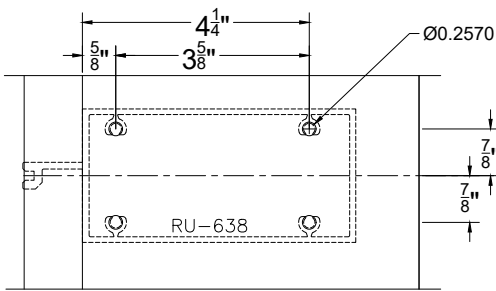
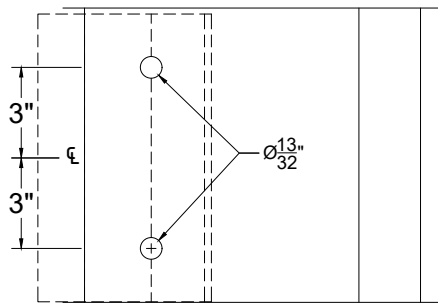
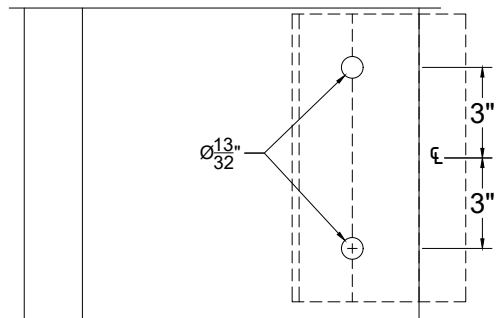
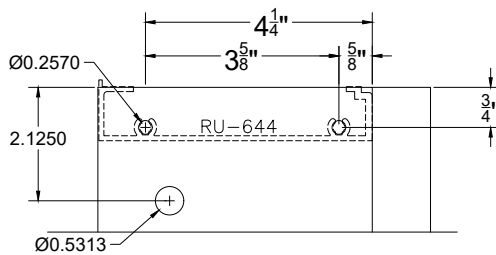
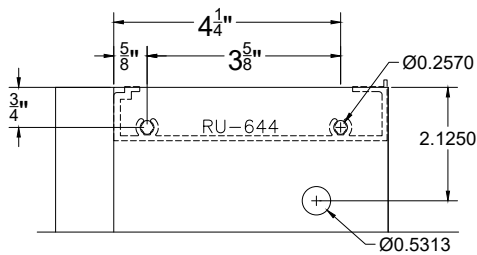
Ø OF INT. HORIZONTAL

Ø OF ANCHOR LOCATION (TYP. ANCHOR)

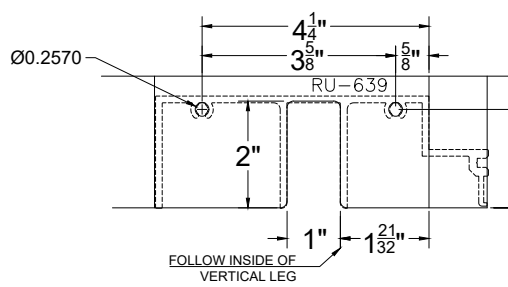
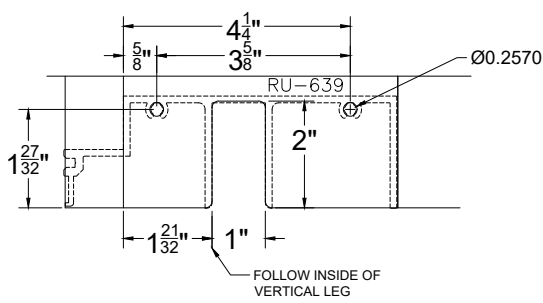




ANCHOR HOLE LOCATION

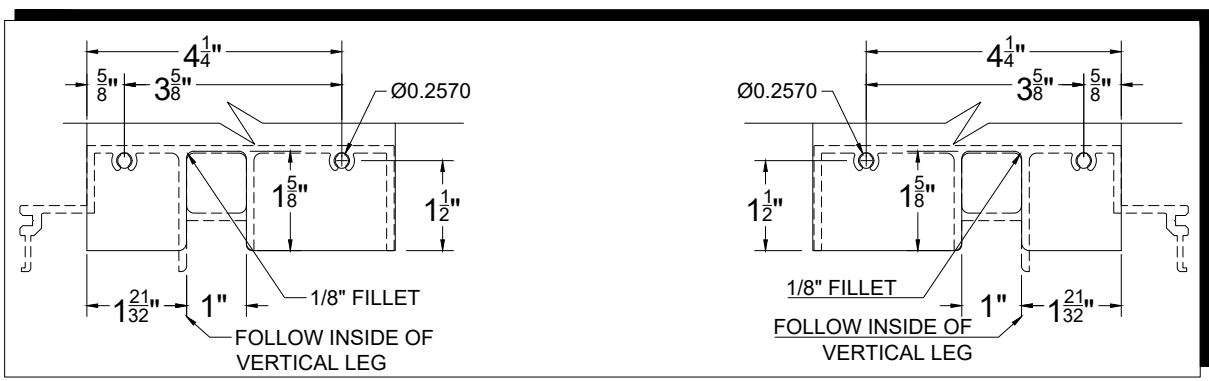
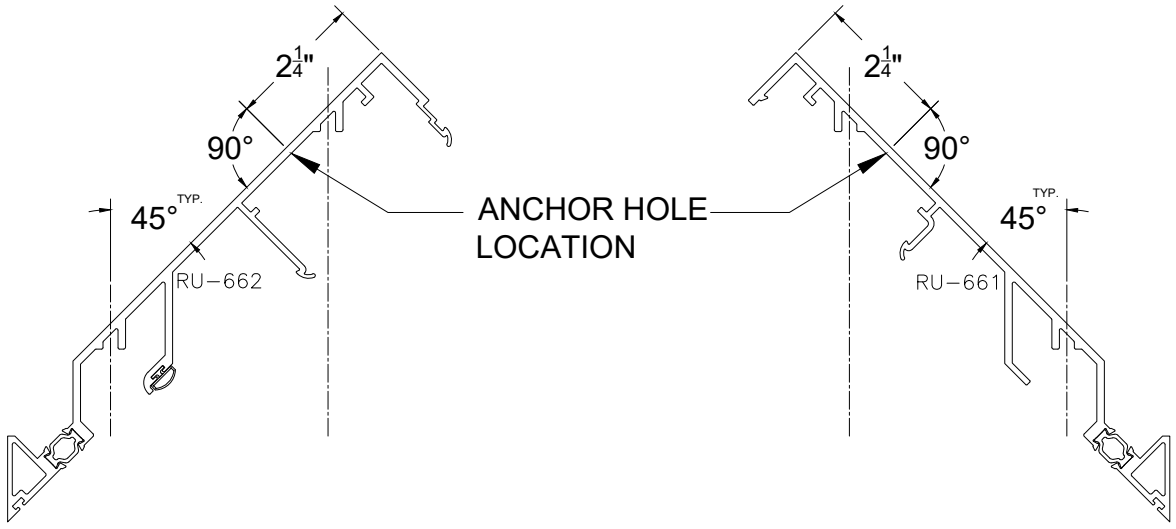


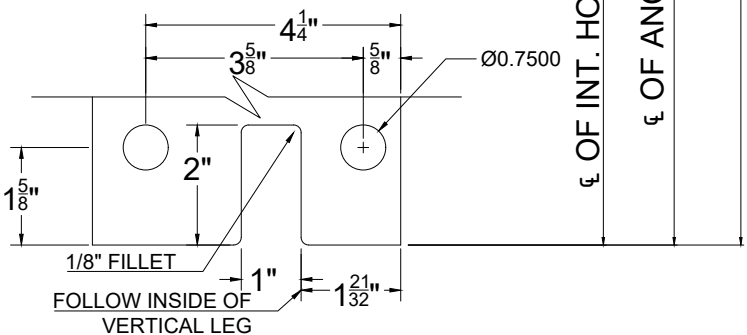
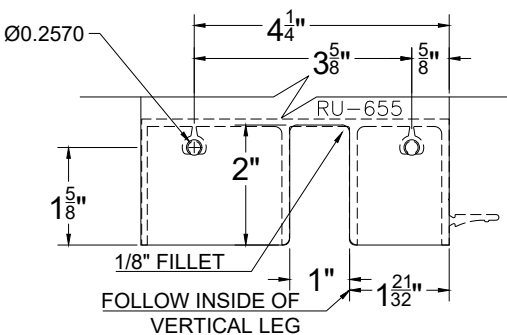
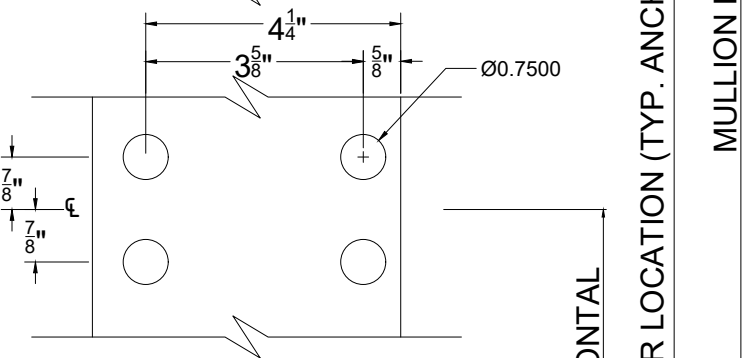
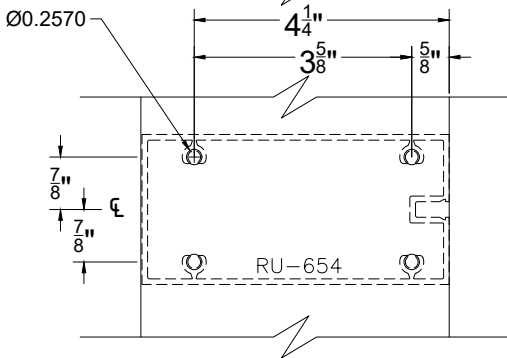
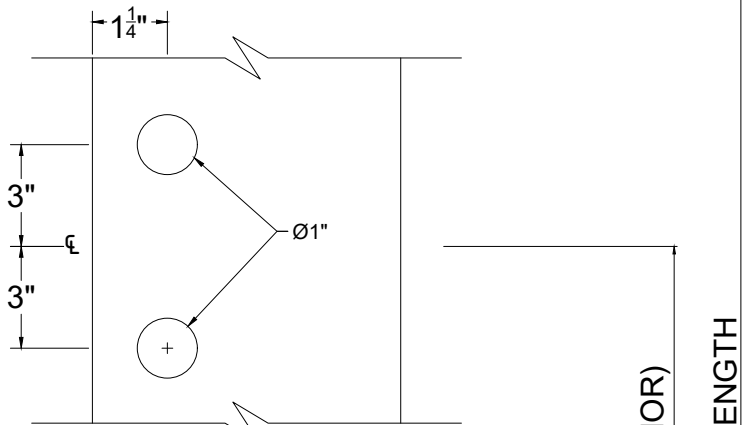
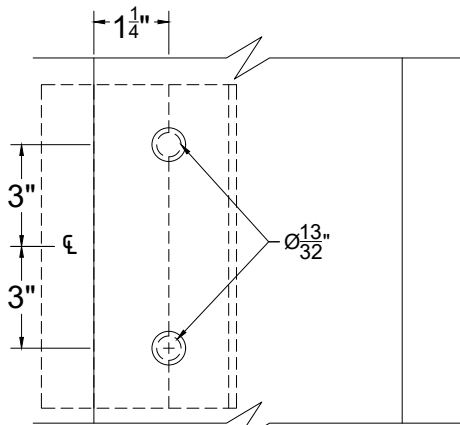
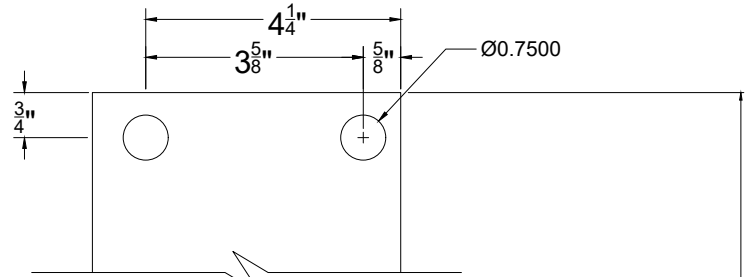
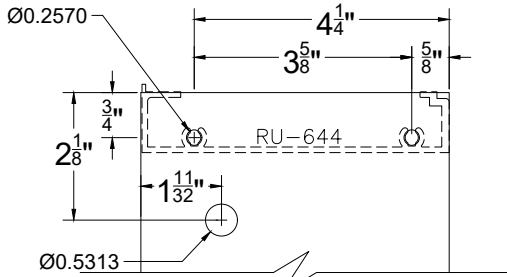
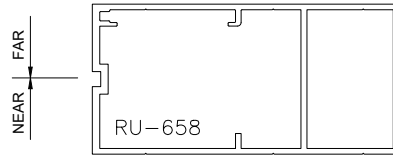
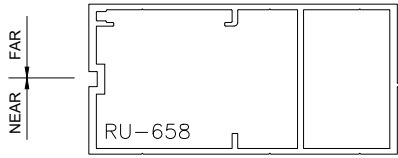
MULLION LENGTH
 ± OF ANCHOR LOCATION (TYP. ANCHOR)
 ± OF INT. HORIZONTAL



FOLLOW INSIDE OF VERTICAL LEG

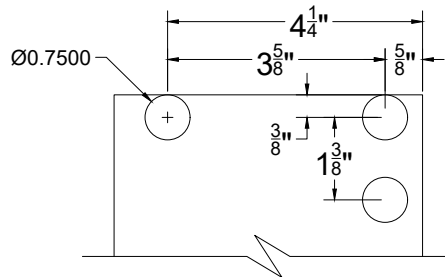
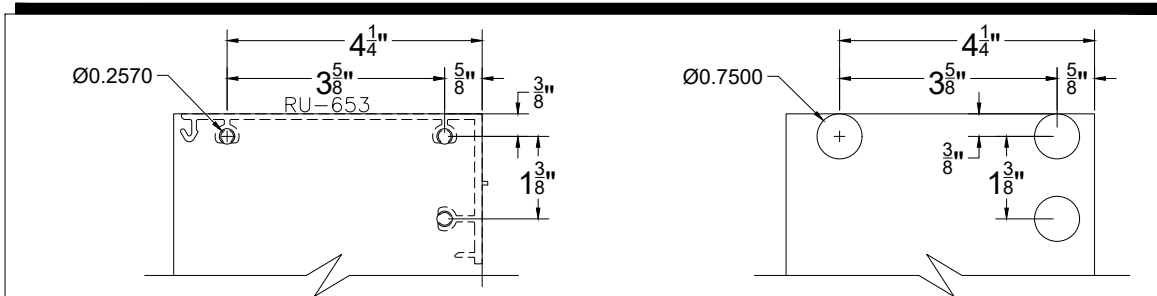
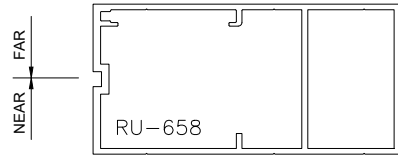
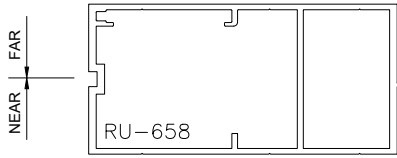
FOLLOW INSIDE OF VERTICAL LEG



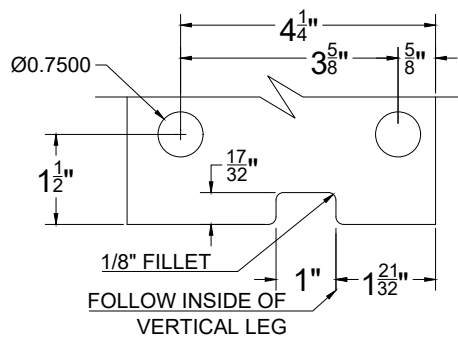
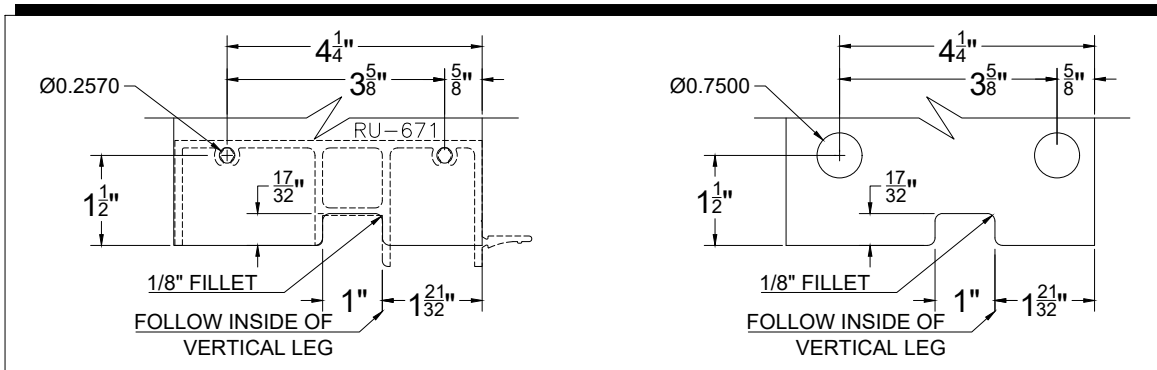


NEAR SIDE PREPS

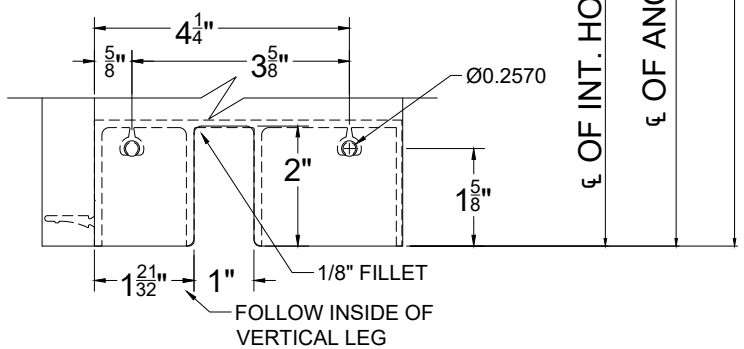
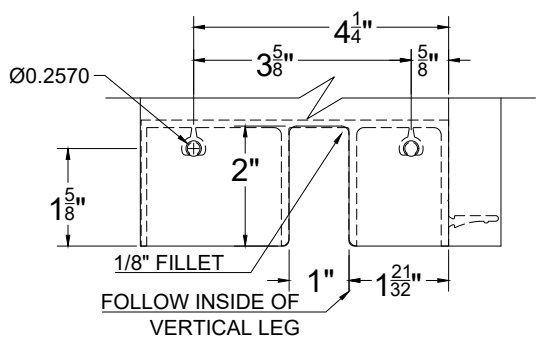
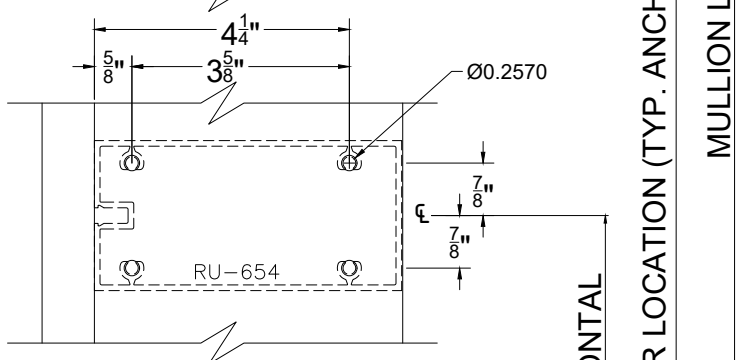
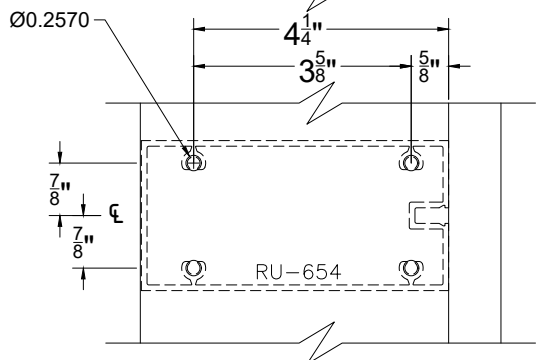
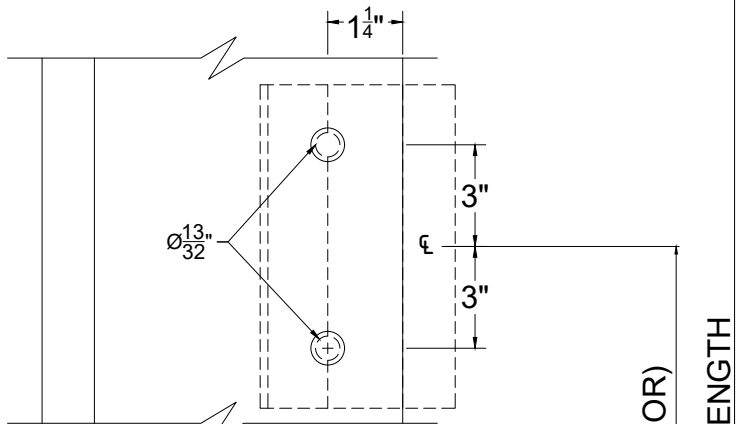
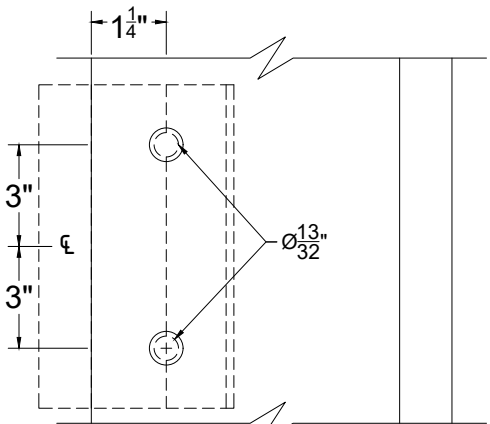
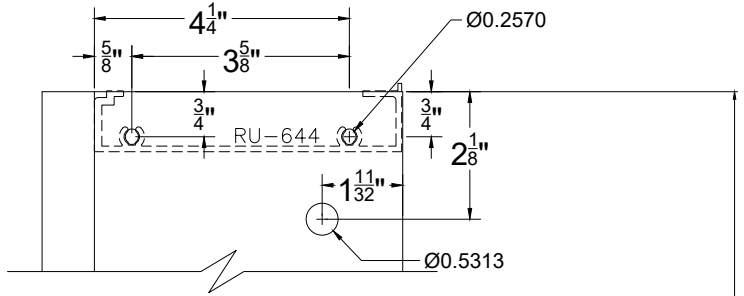
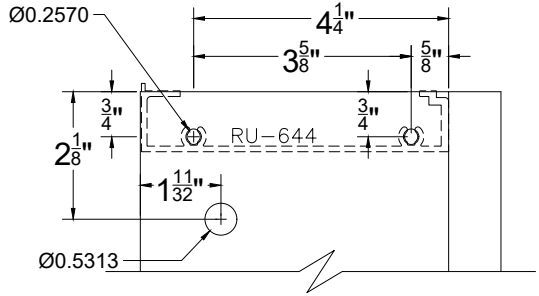
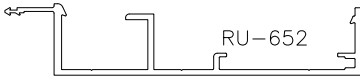
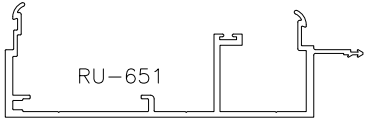
FAR SIDE PREPS



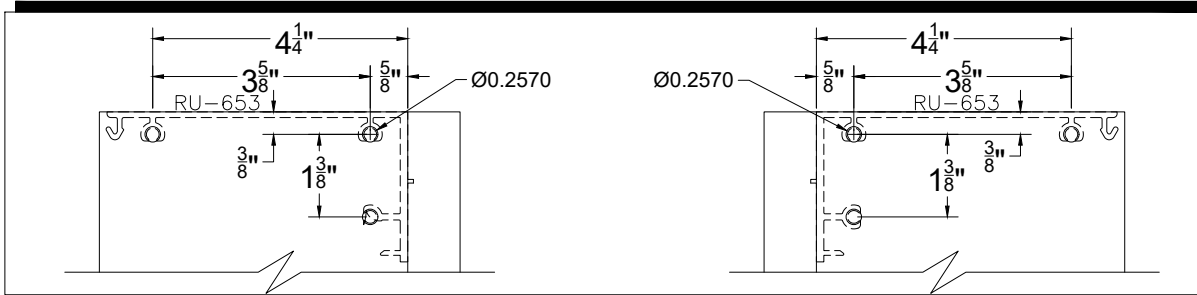
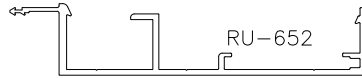
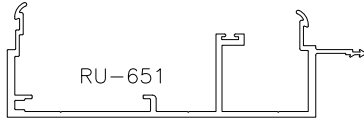
Prep when
stack horizontal
NOT USED.



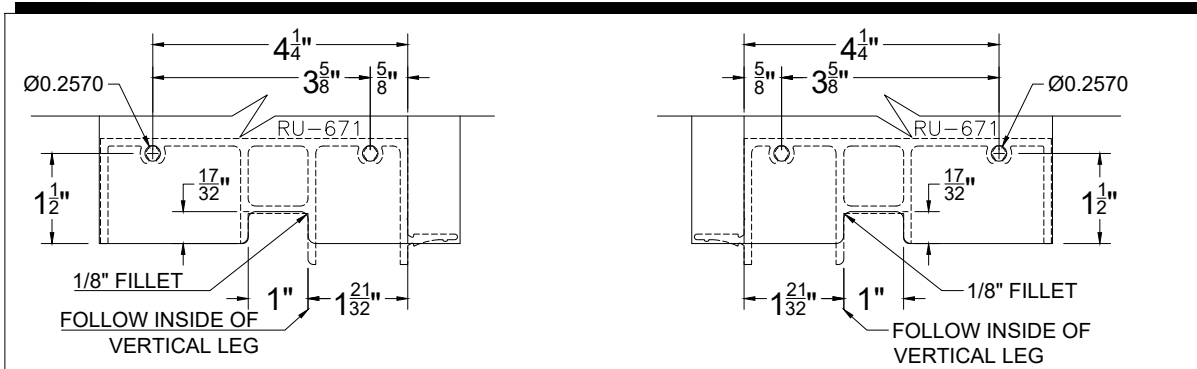
Prep @ dead
load condition.



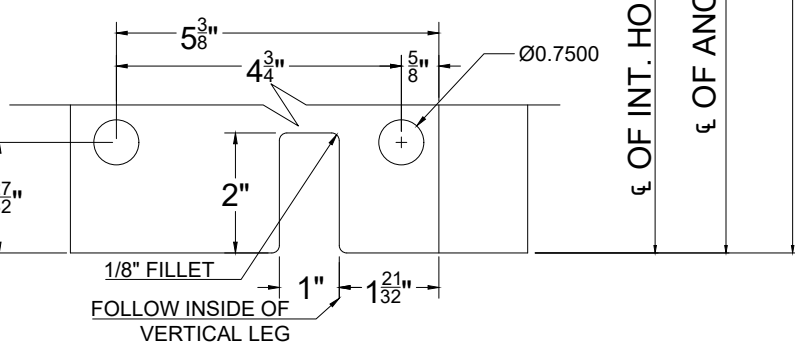
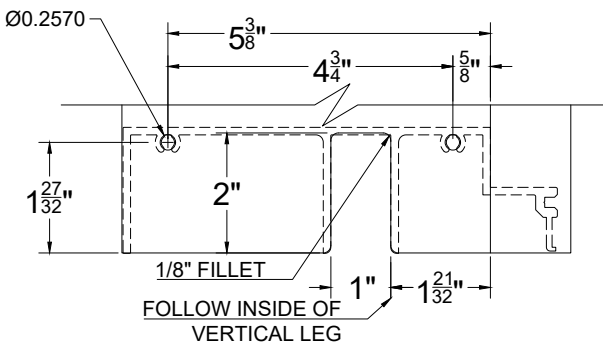
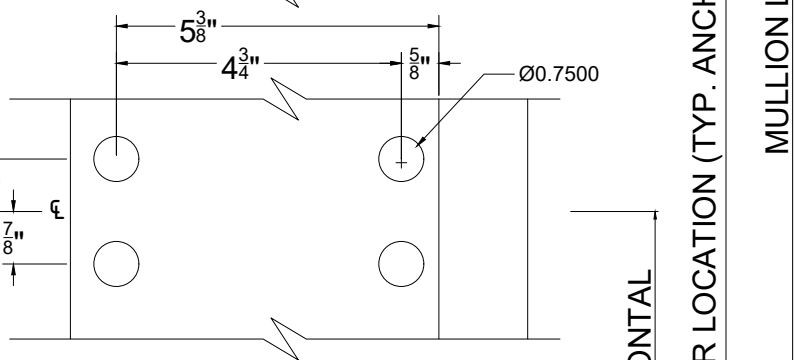
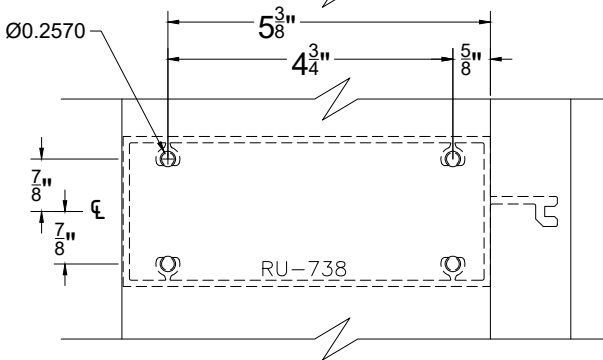
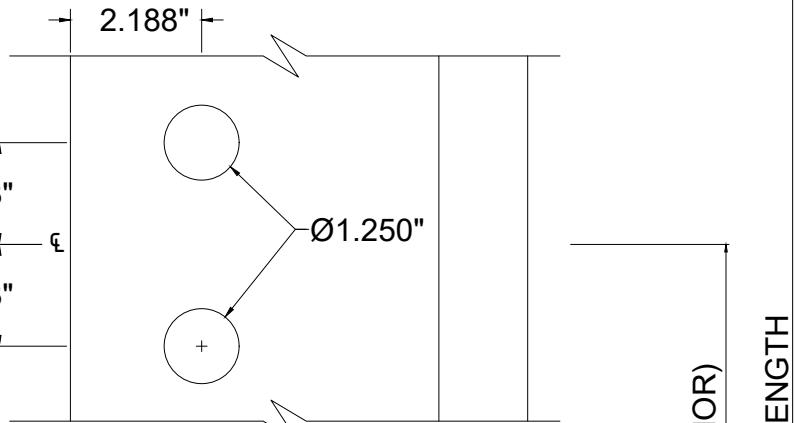
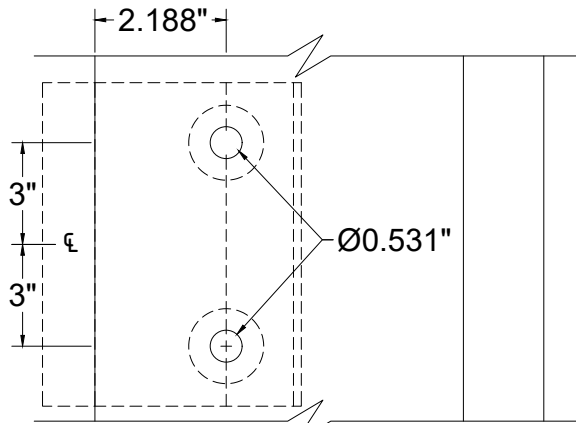
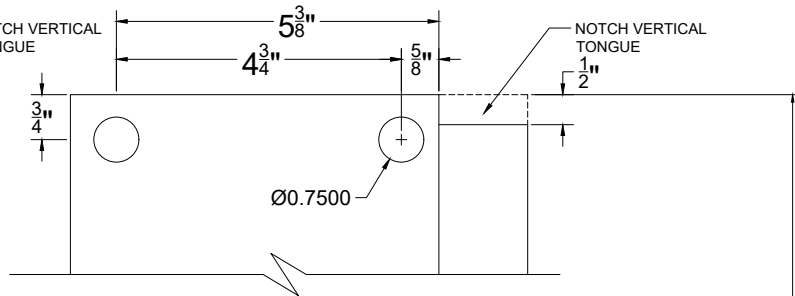
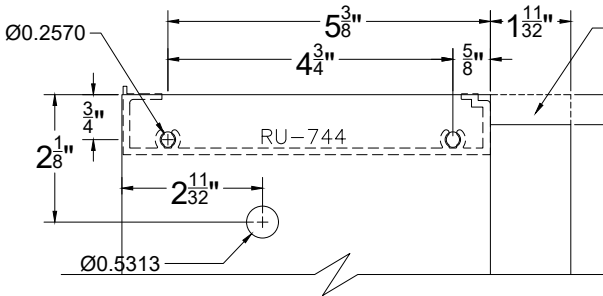
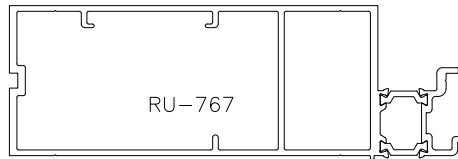
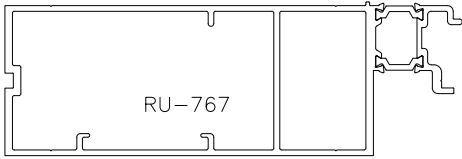
MULLION LENGTH
 ϕ OF ANCHOR LOCATION (TYP. ANCHOR)
 ϕ OF INT. HORIZONTAL



Prep when
stack horizontal
NOT USED.



Prep @ dead
load condition.



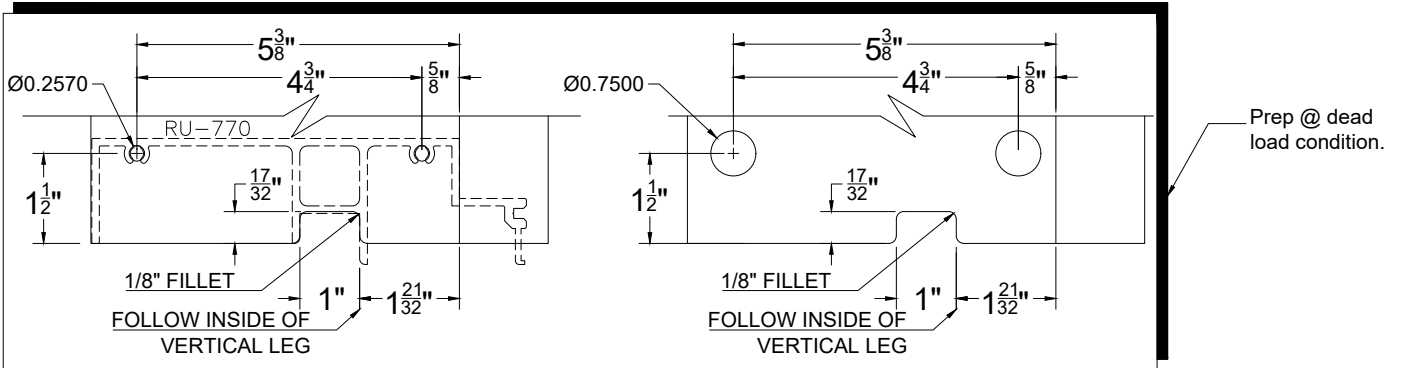
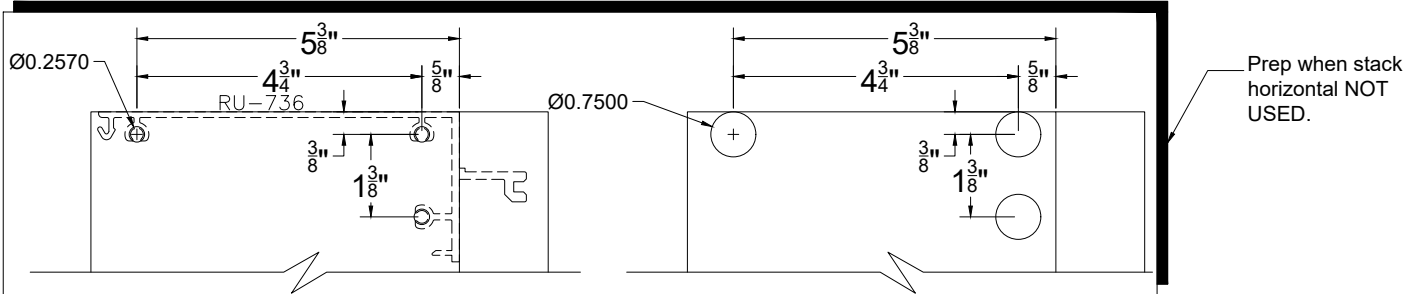
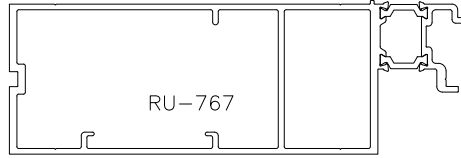
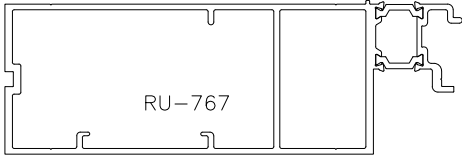
NEAR SIDE PREPS

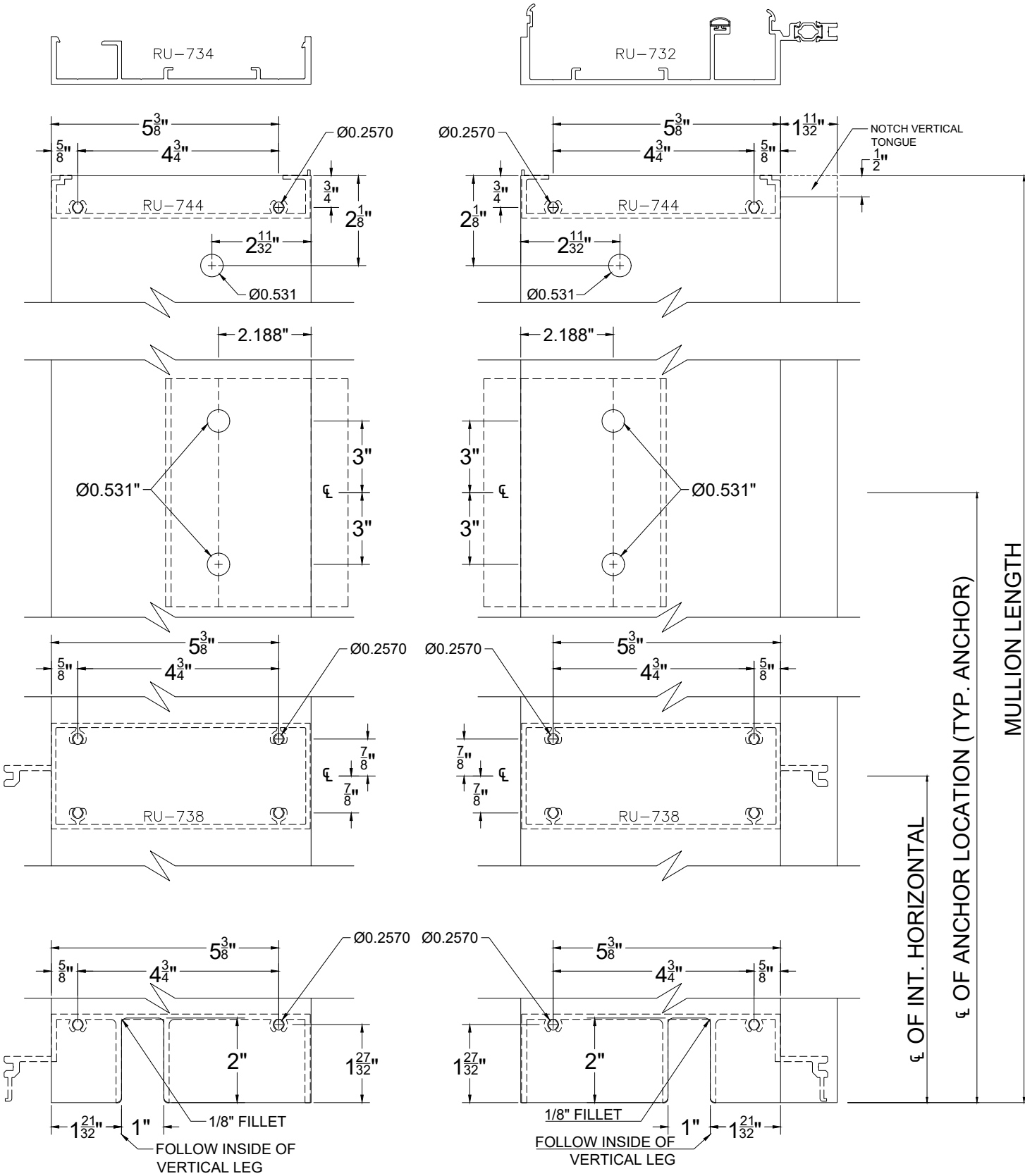
FAR SIDE PREPS

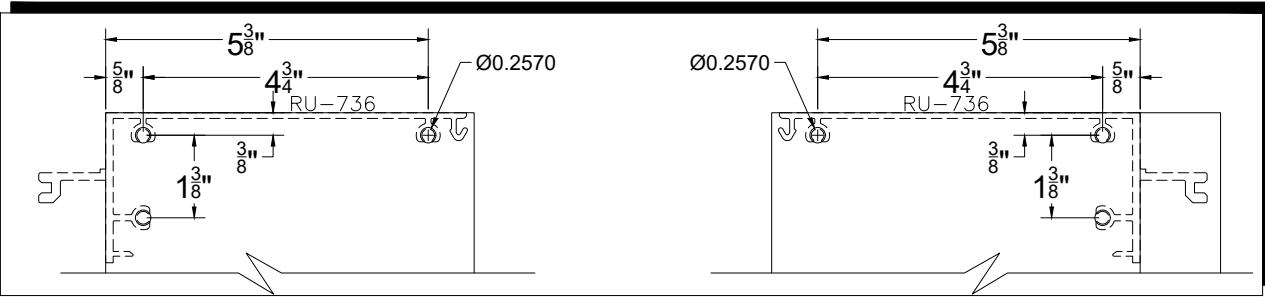
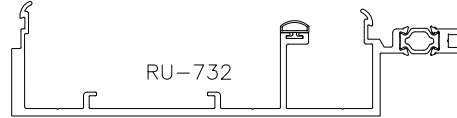
ϵ OF ANCHOR LOCATION (TYP. ANCHOR)

MULLION LENGTH

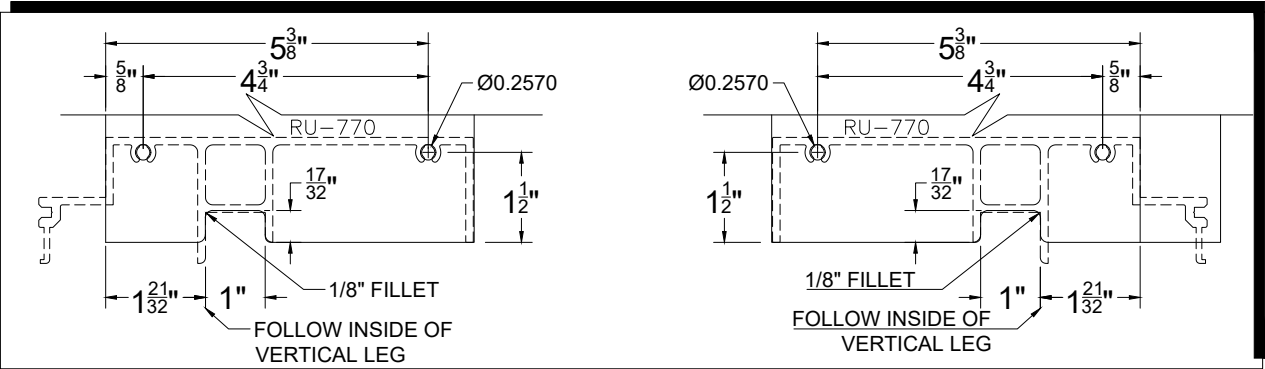
ϵ OF INT. HORIZONTAL



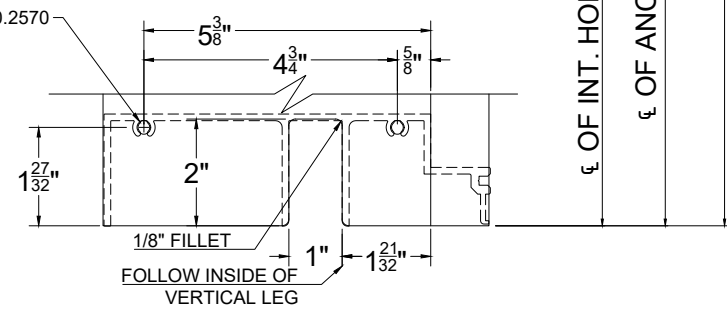
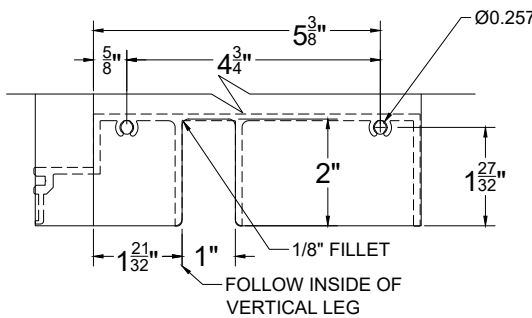
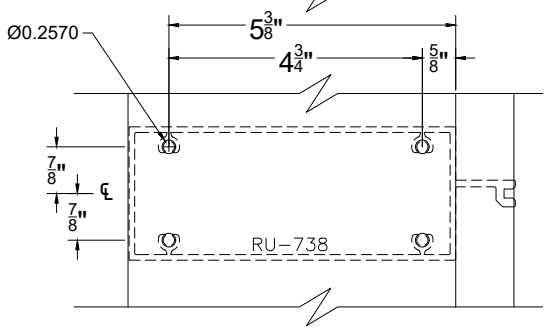
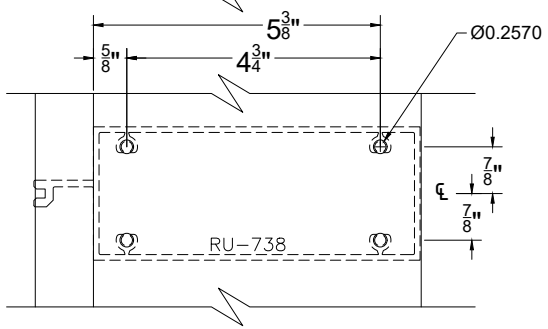
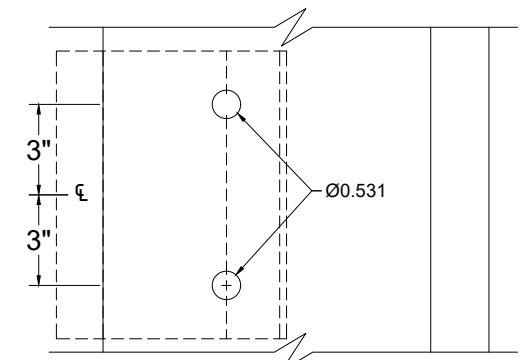
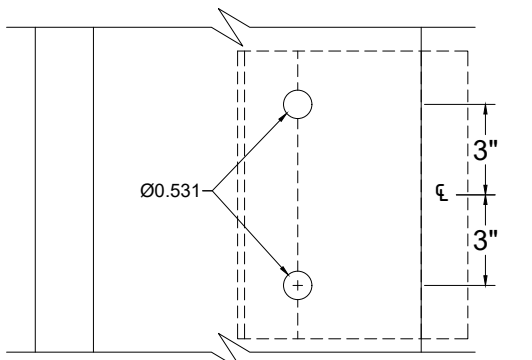
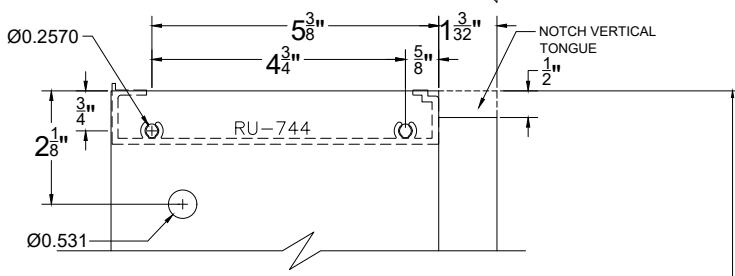
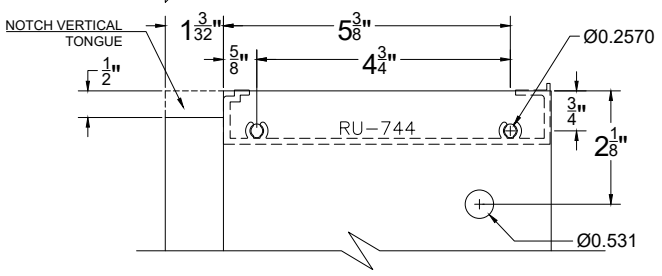
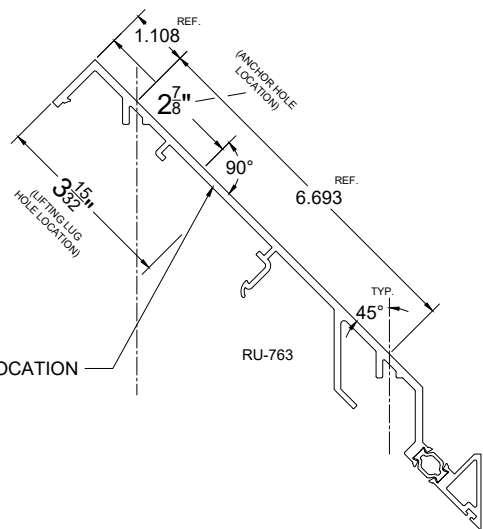
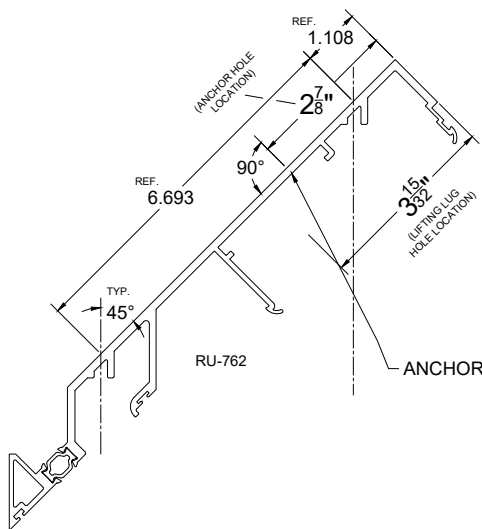


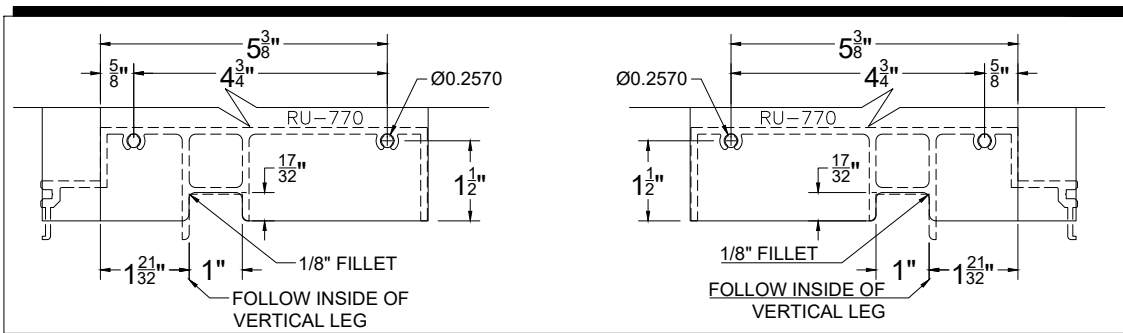
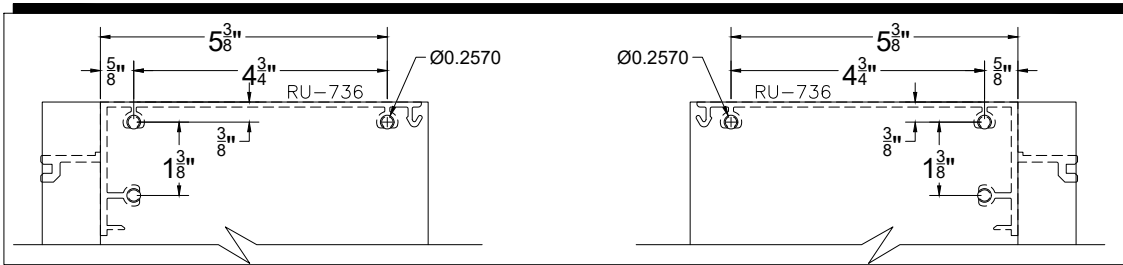
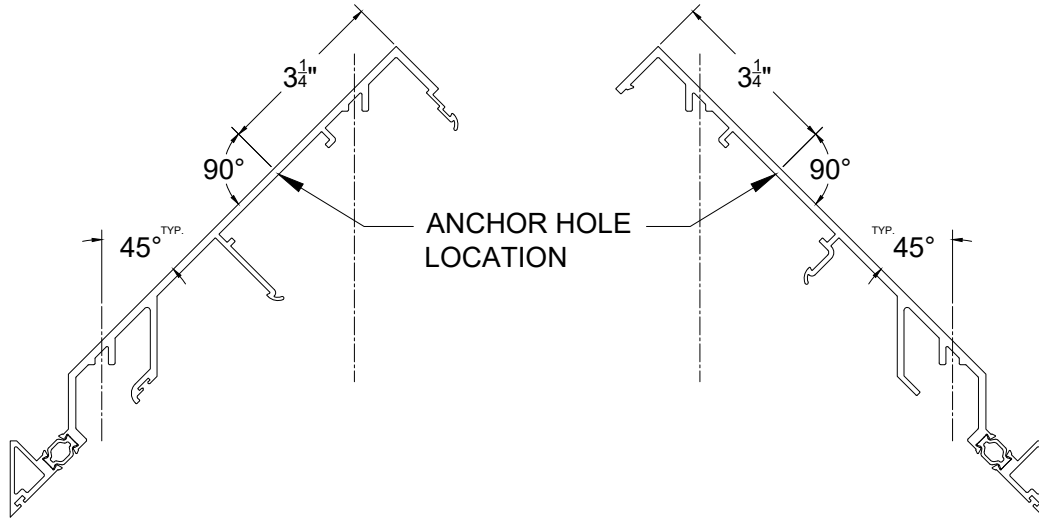


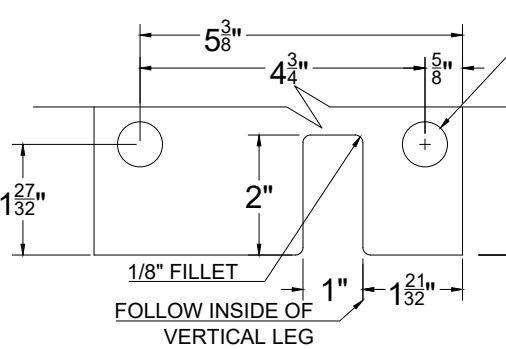
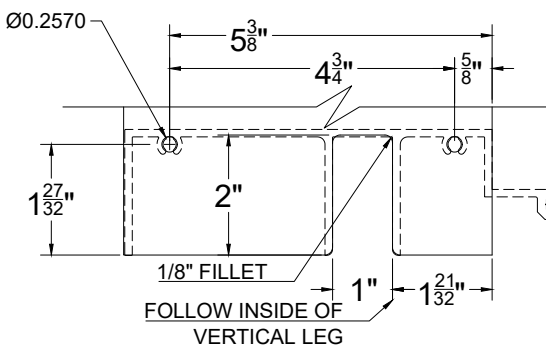
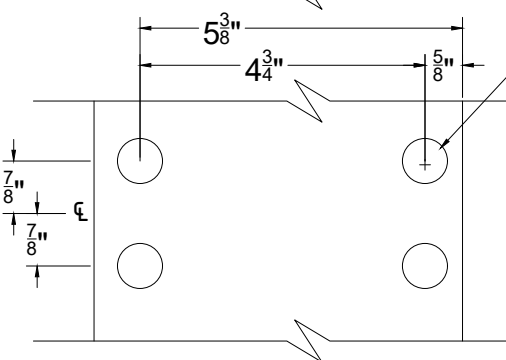
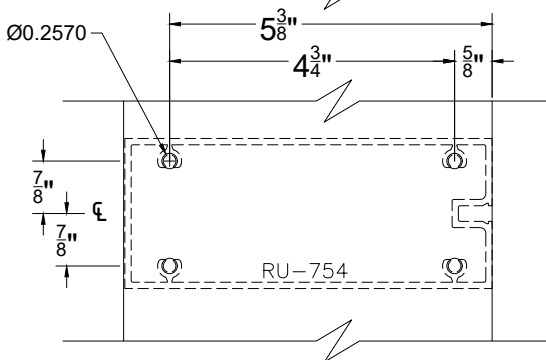
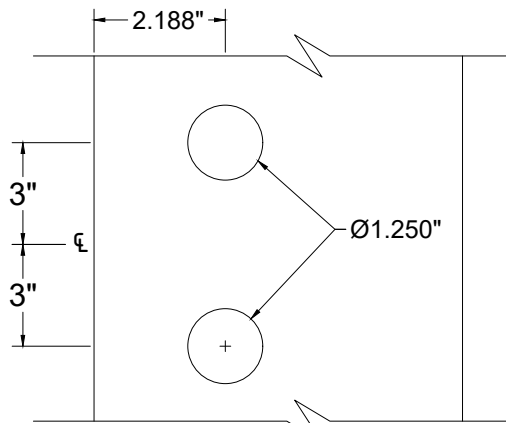
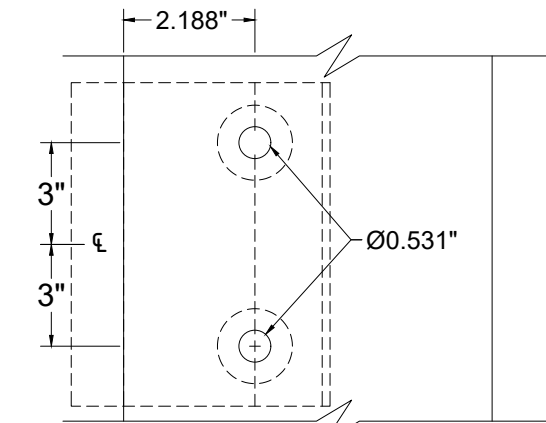
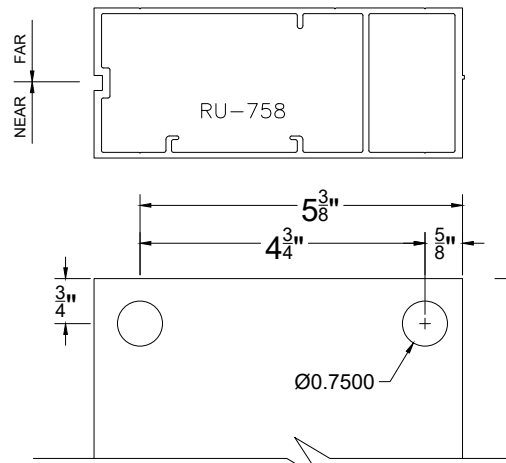
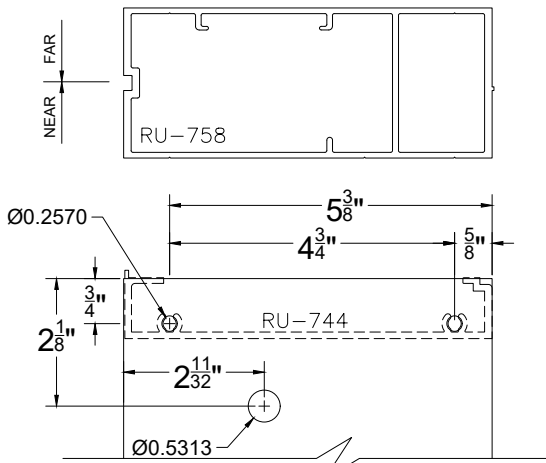
Prep when stack horizontal NOT USED.



Prep @ dead load condition.



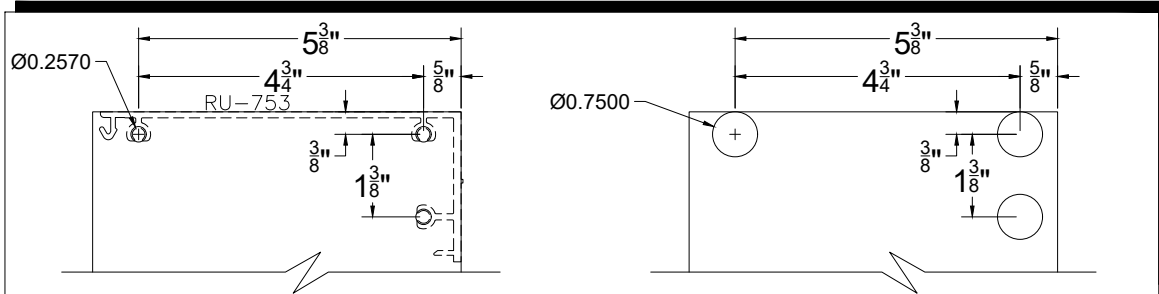
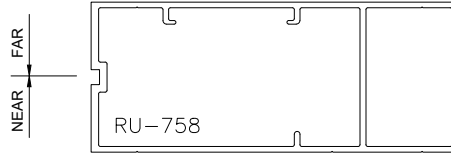
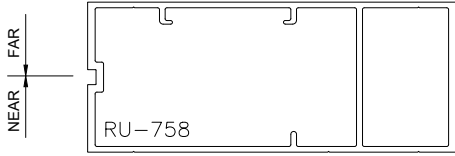




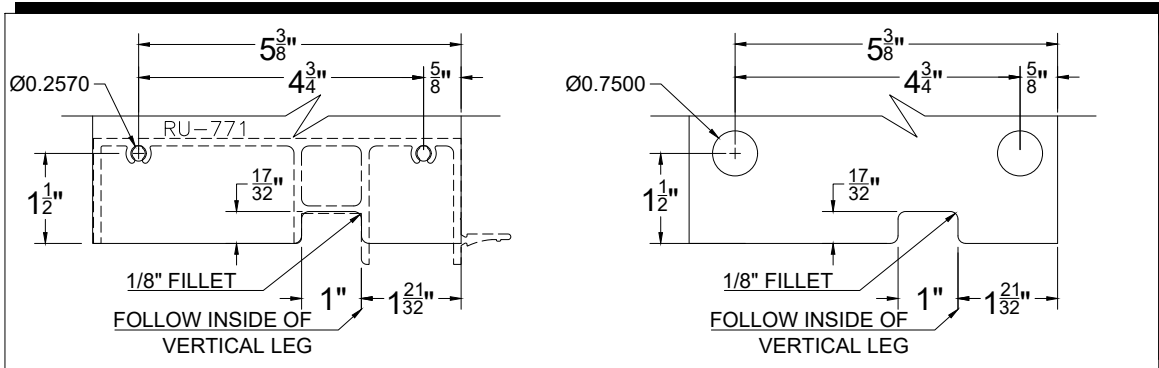
NEAR SIDE PREPS

FAR SIDE PREPS

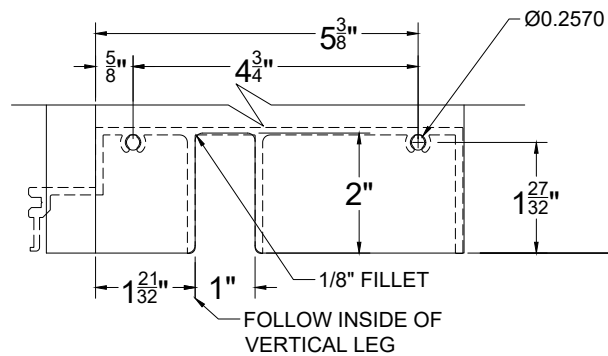
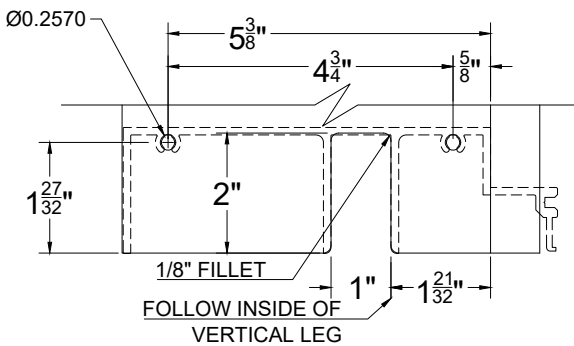
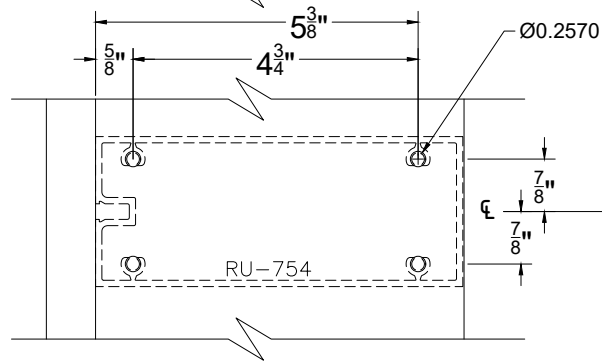
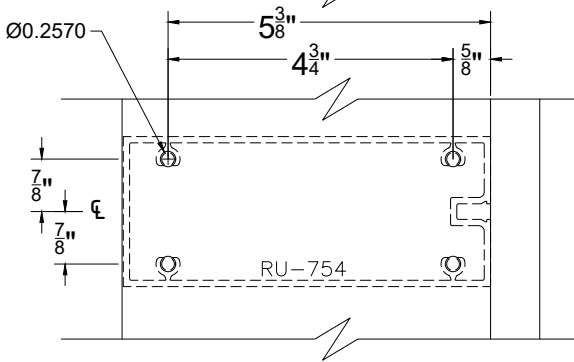
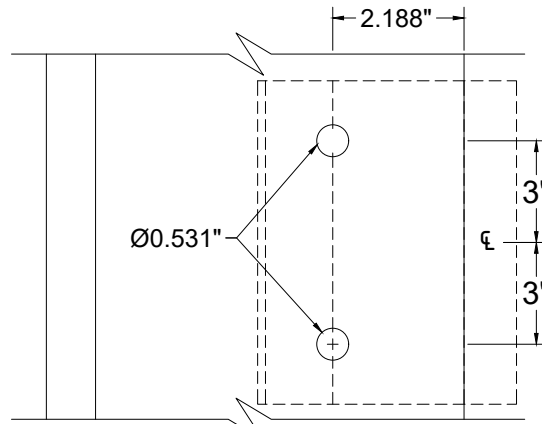
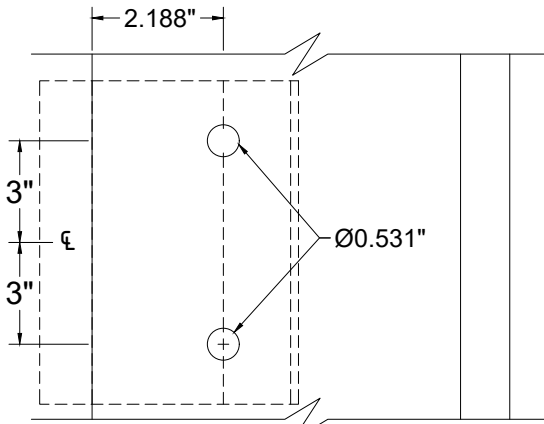
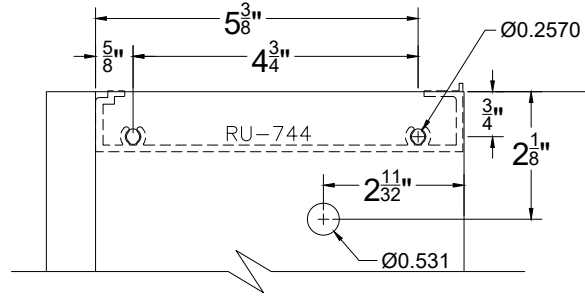
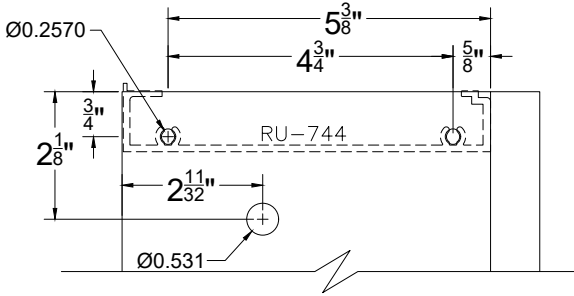
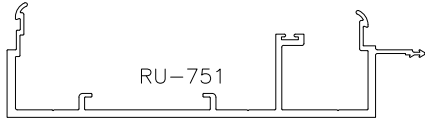
ℓ OF INT. HORIZONTAL
 ℓ OF ANCHOR LOCATION (TYP. ANCHOR)
 MULLION LENGTH



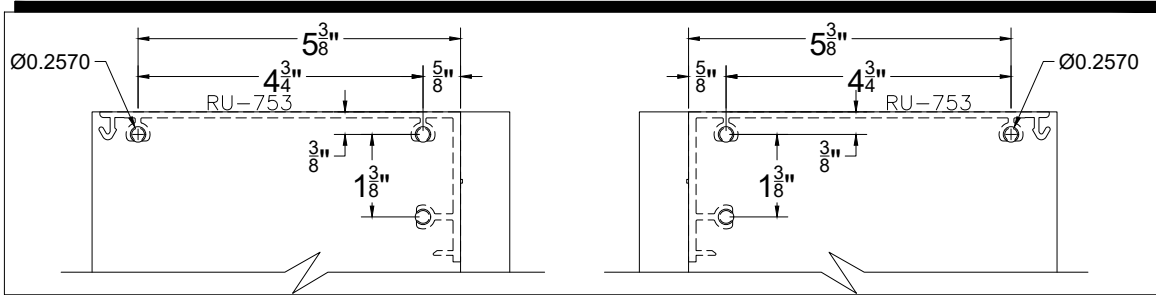
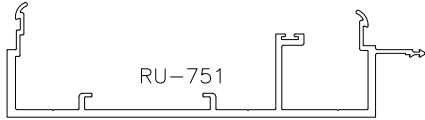
Prep when stack horizontal NOT USED.



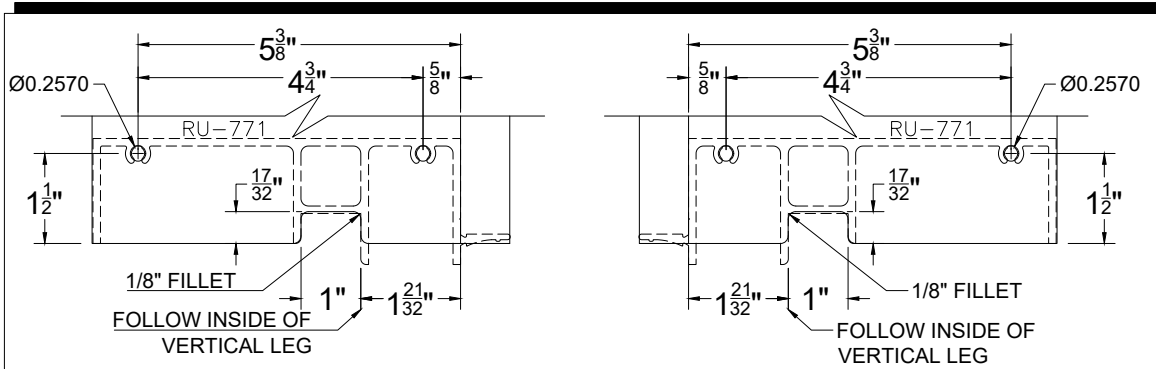
Prep @ dead load condition.



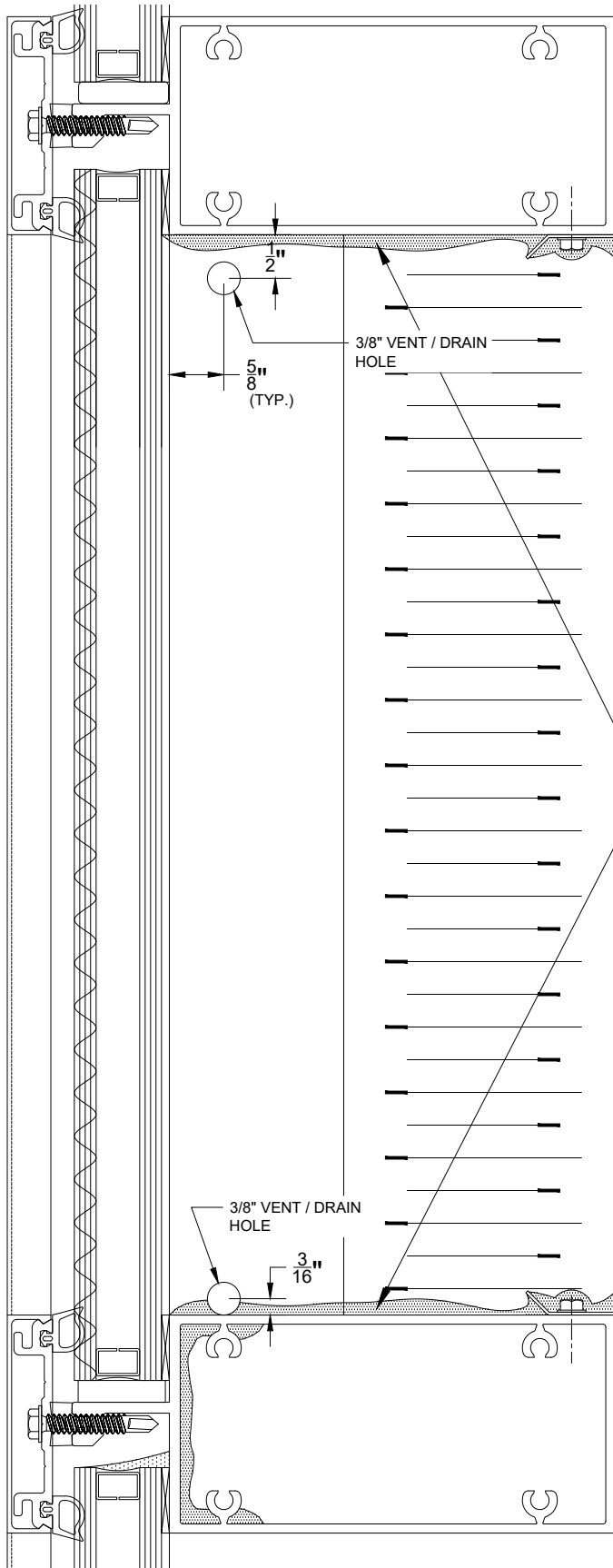
Ø OF INT. HORIZONTAL
 Ø OF ANCHOR LOCATION (TYP. ANCHOR)
 MULLION LENGTH



Prep when stack horizontal NOT USED.



Prep @ dead load condition.



NOTE: Vent holes are designed for use with metal back pans which are hermetically sealed to glazing cavity openings on the back face. If the cavity is left open, or if FSK tape is used to seal the insulation to the framing, consideration must be given to the effect of vent holes at elevated structural loads during testing.

NOTE: Complete seal, water tight, all metal to metal joints within the spandrel cavity.

1. LAYOUT PARTS

Typically units are to be assembled with Female Mullion Half on the left of the unit and with the Male Mullion Half on the right of the unit (viewed from exterior of the unit). Please refer to shop drawings for proper mullion half required at left and right jamb units.

Check that all preps have been applied and located in the proper position per approved shop drawings.

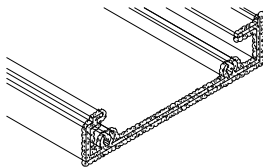
2. APPLY SILICONE SEALANT

Clean and butter top of the vertical mullions and both ends of horizontals with silicone sealant per approved shop drawings.

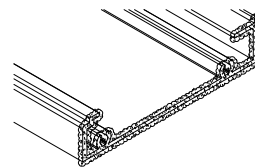
NOTE: ALL ASSEMBLY WORK MUST BE COMPLETED IMMEDIATELY AFTER SEALANT APPLICATION. BEFORE SEALANT SKINS.

Butter both ends of the head horizontal from the front leg continuously around the perimeter including screw chase.

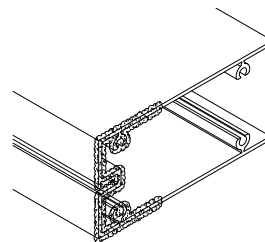
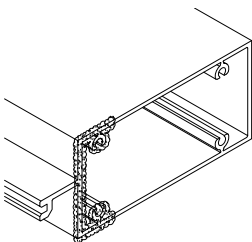
CAPTURED



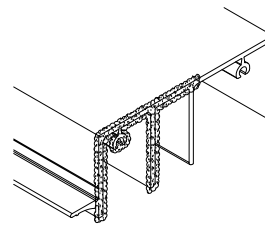
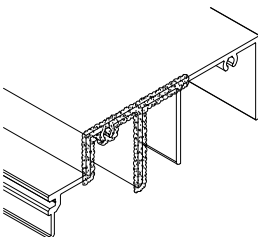
NON CAPTURED

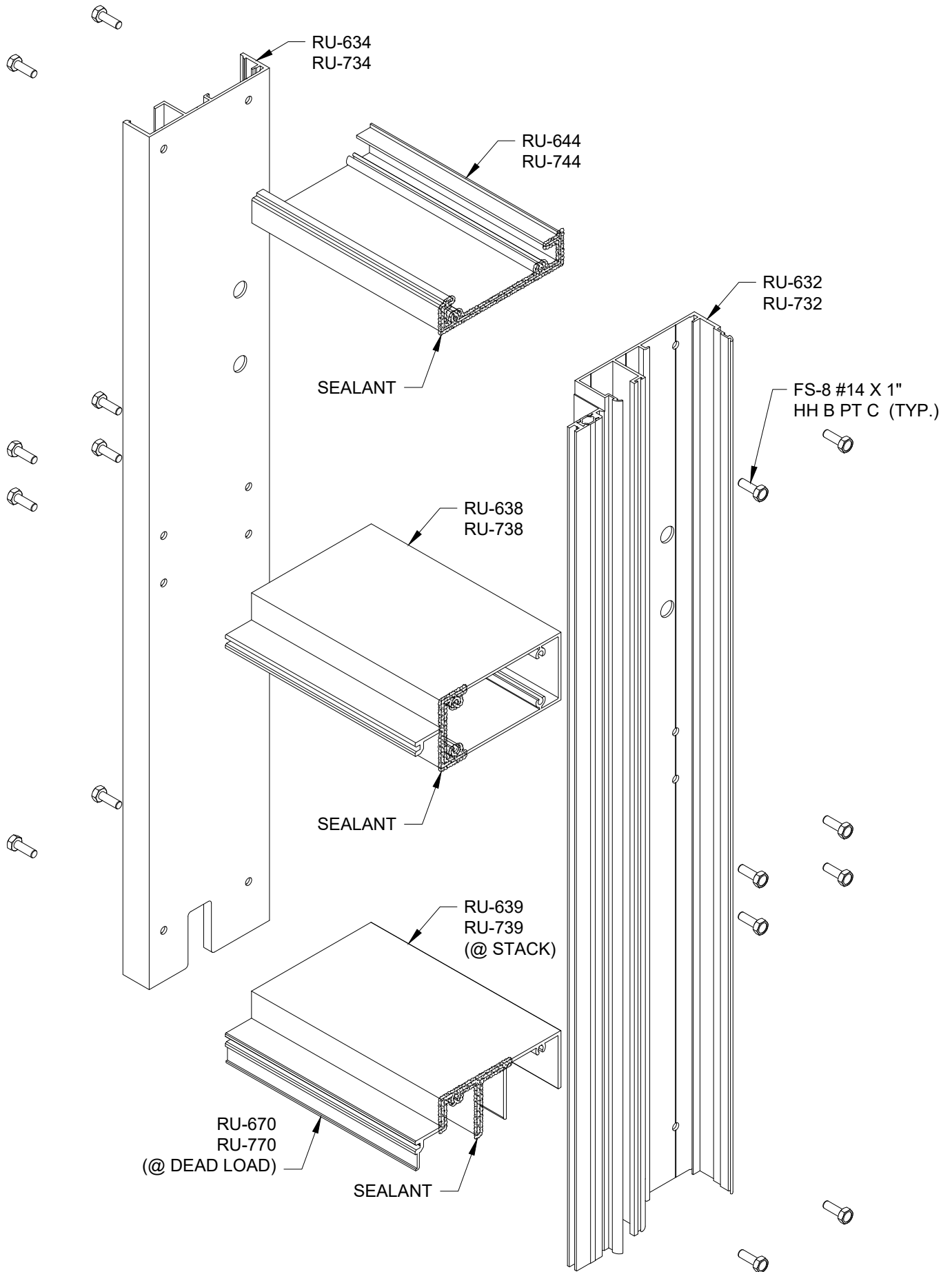


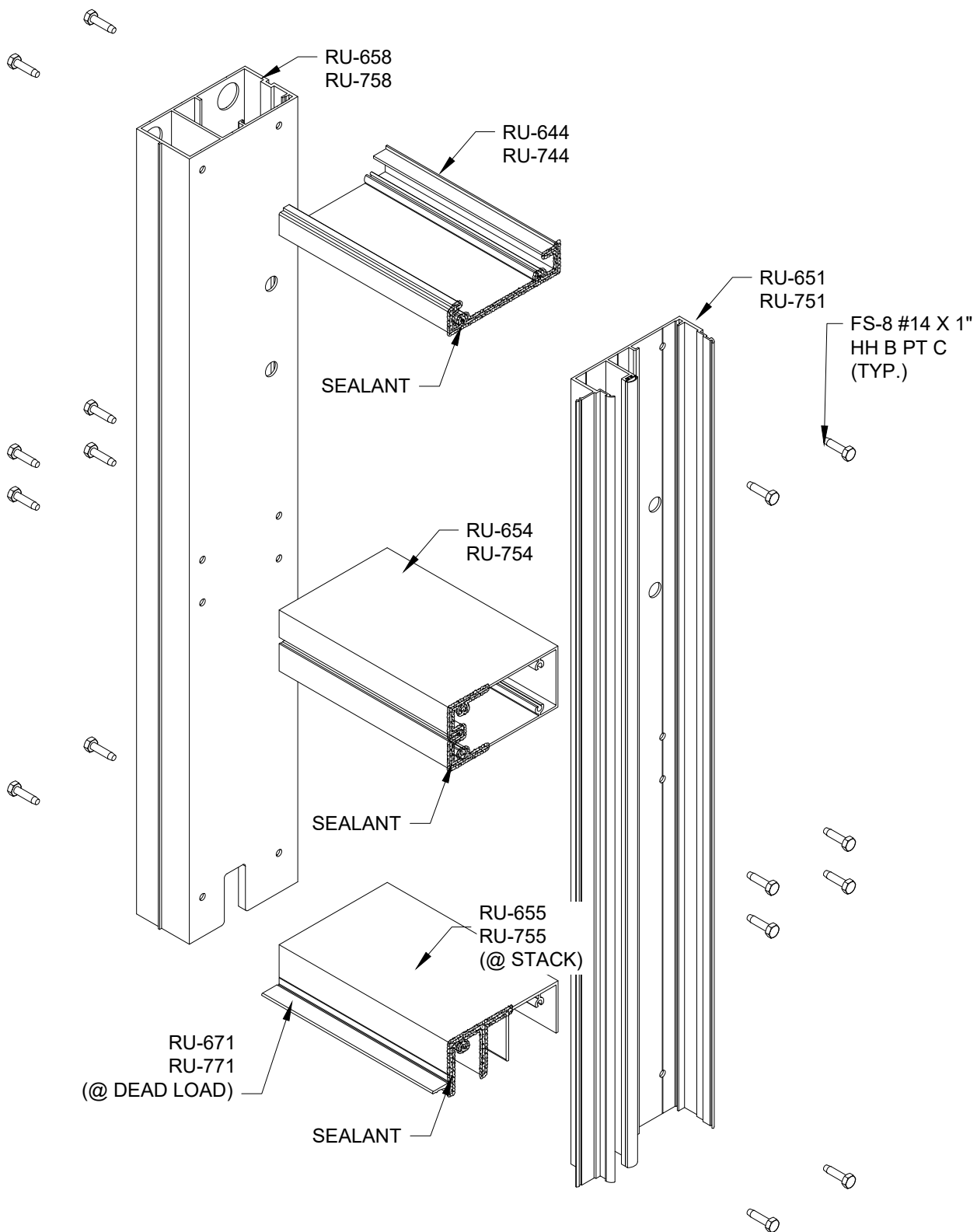
Butter both ends of the intermediate transom from the lower screw chase inboards to the upper screw chase.
(NOTE: Spandrel & shadow box cavity areas are to be sealed full depth of horizontal.)

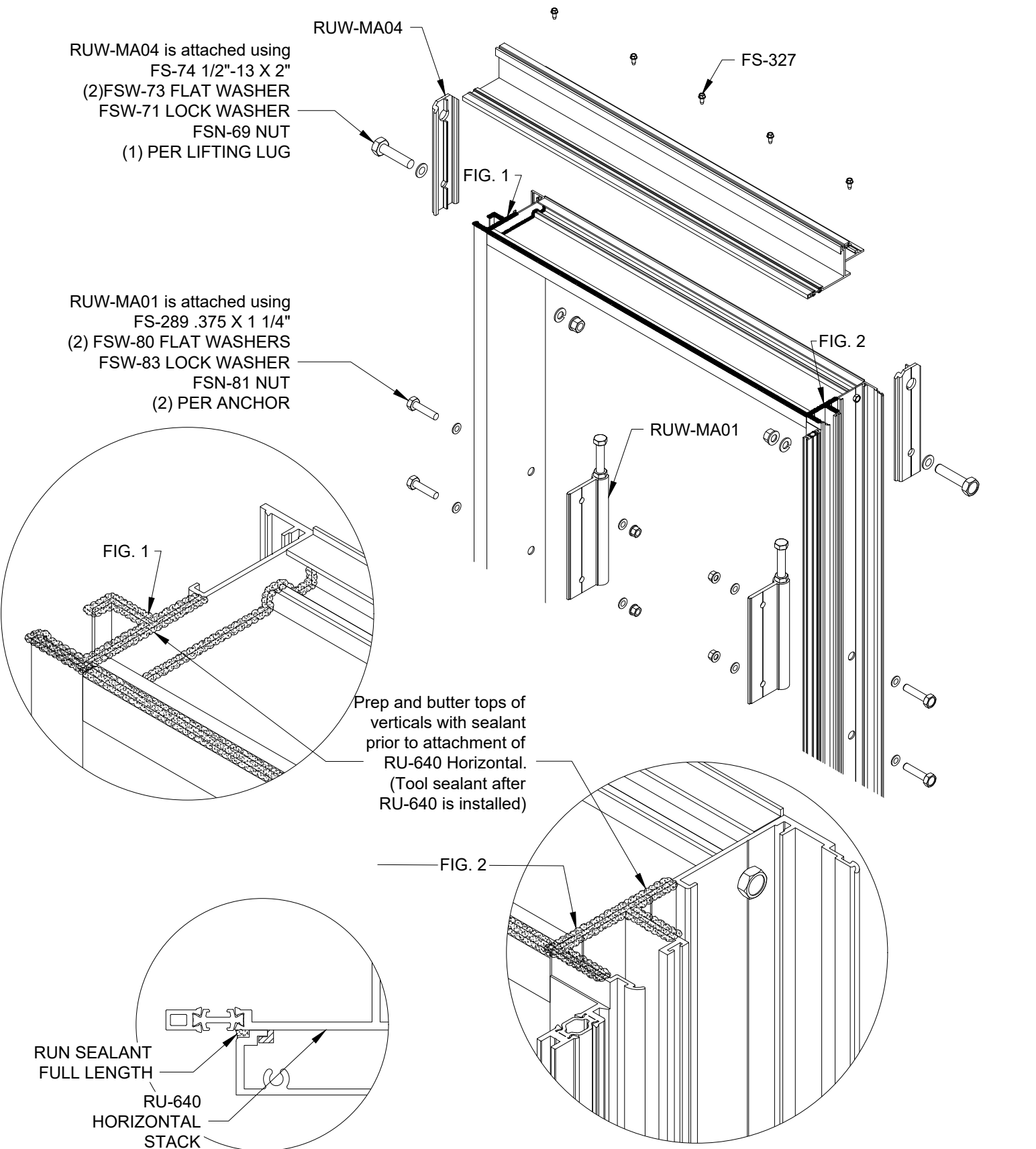


Butter both ends of the transom at the front wall up to the first screw chase.
(NOTE: Spandrel & shadow box cavity areas are to be sealed full depth of horizontal.)









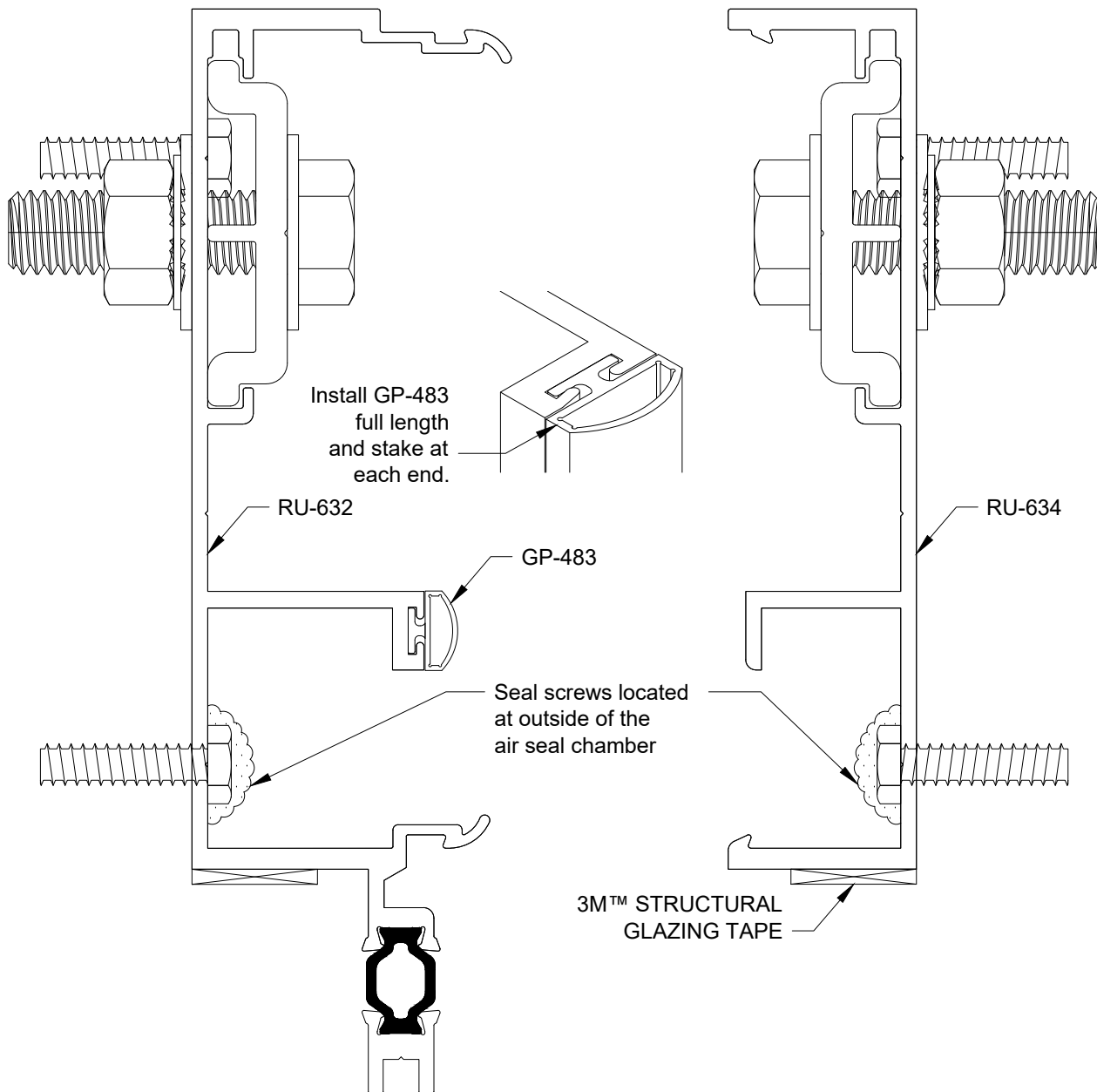
ASSEMBLING FRAME

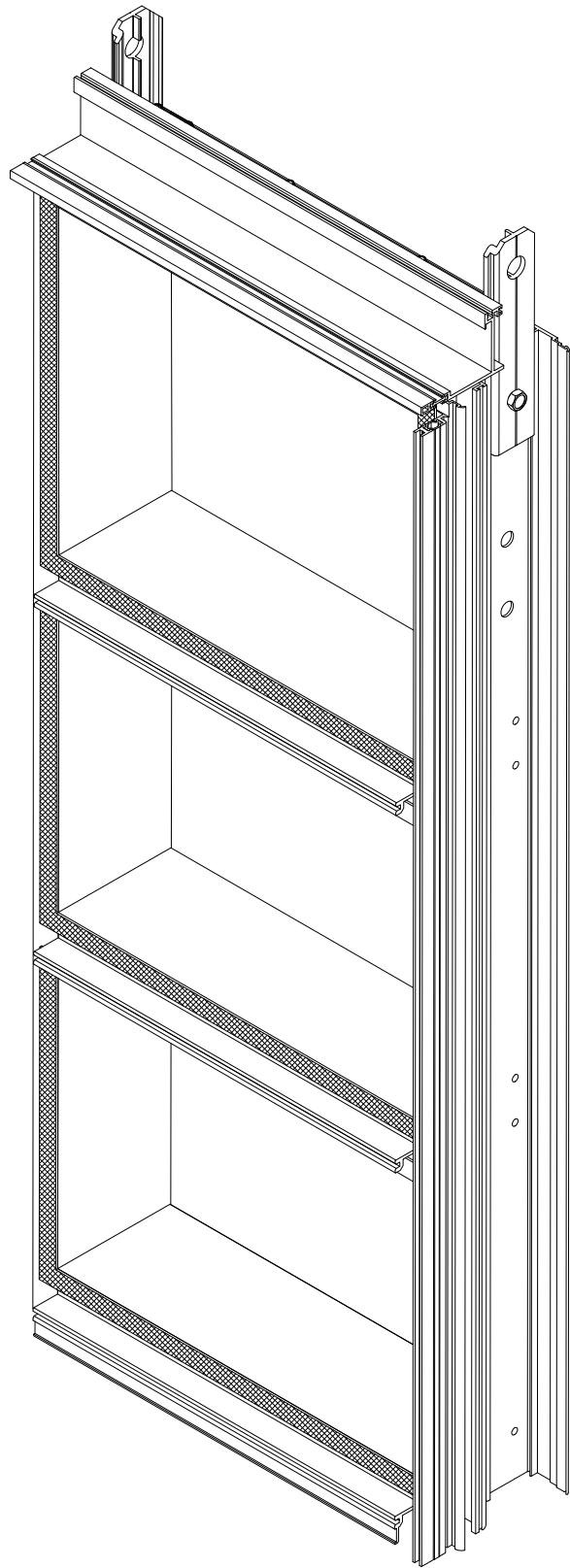
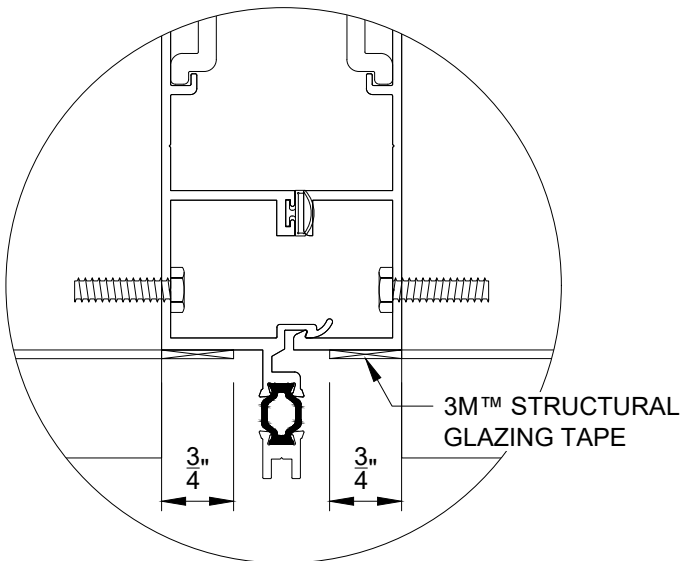
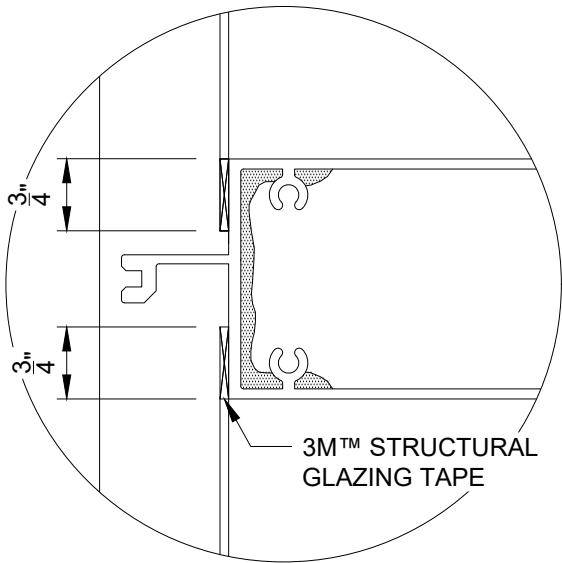
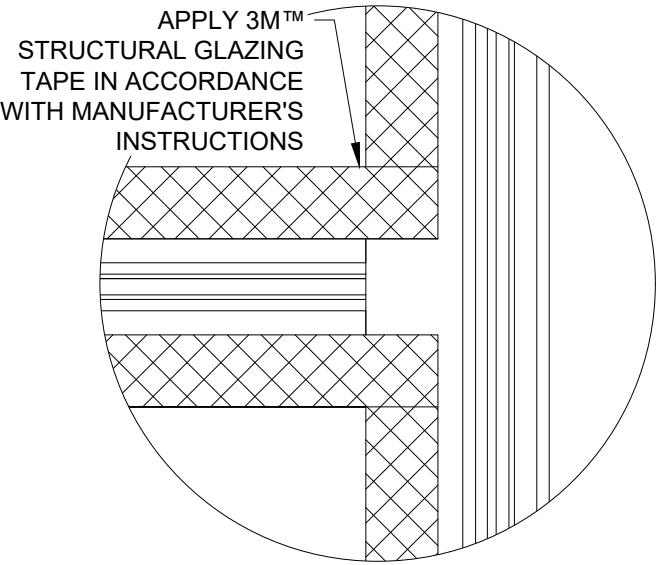
Position horizontal members aligning with splines with screw holes and assemble with FS-8 #14 x 1" long hex washer head Type B pt assembly screws.

When applying opposite side of mullion half, do not tighten screws until all horizontals have been applied to keep from wiping off the sealant with mullion during installation.

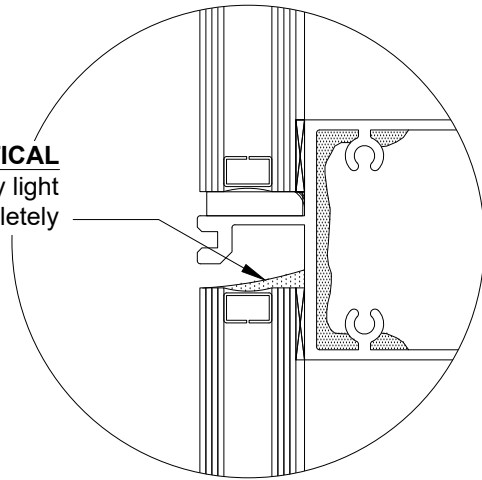
A RING OF SEALANT SHOULD APPEAR AROUND EVERY SCREW HEAD LOCATED IN WET AREAS. (SEE FIGURE BELOW)

THOROUGHLY SEAL OVER SCREW HEADS WHICH ARE LOCATED OUTSIDE OF THE AIR SEAL CHAMBER.





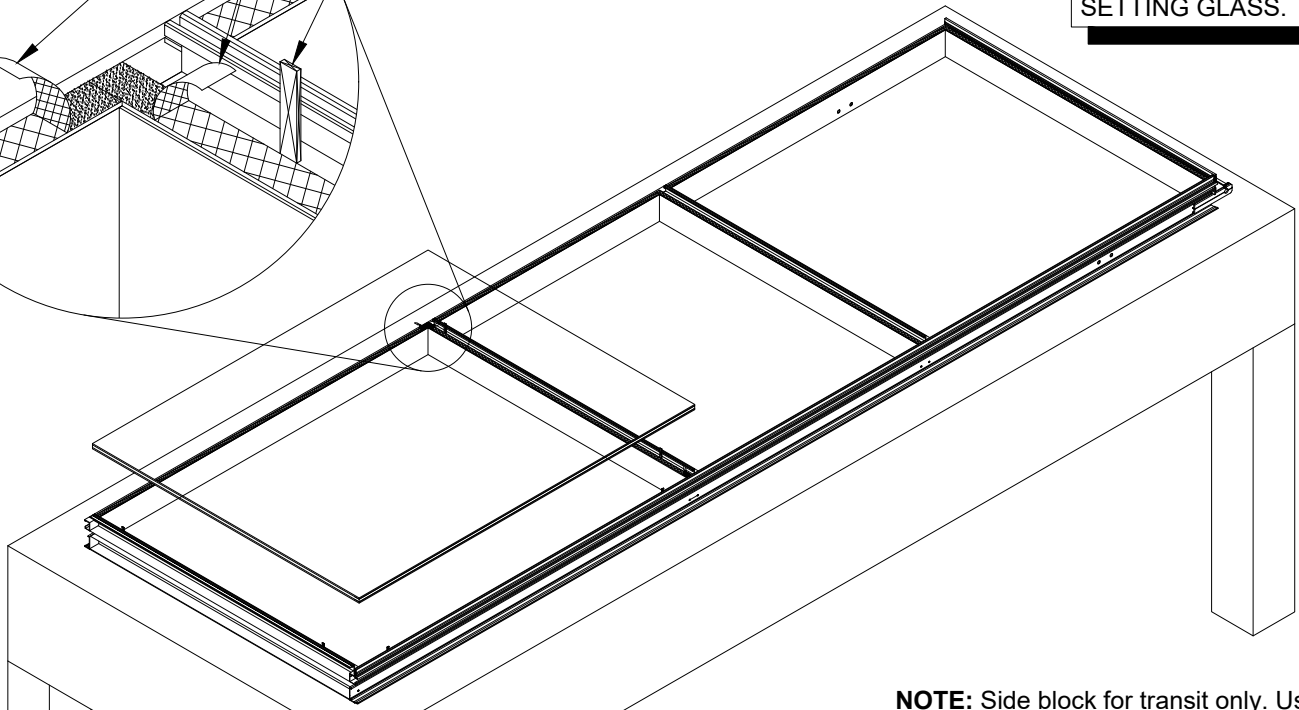
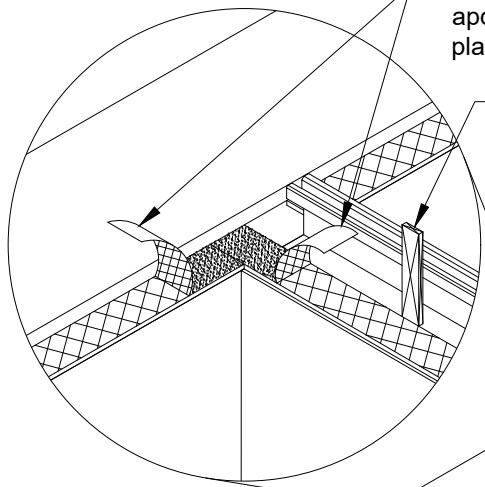
***CRITICAL**
Sweep seal head of every light completely



Peel tape @ each corner
apd. 4"-6" before final
placement of glass (typ.)

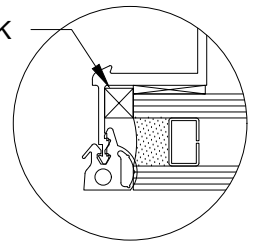
Use shims to help aid in glass
alignment (typ.)

**ENSURE FRAME IS
SQUARE PRIOR TO
SETTING GLASS.**

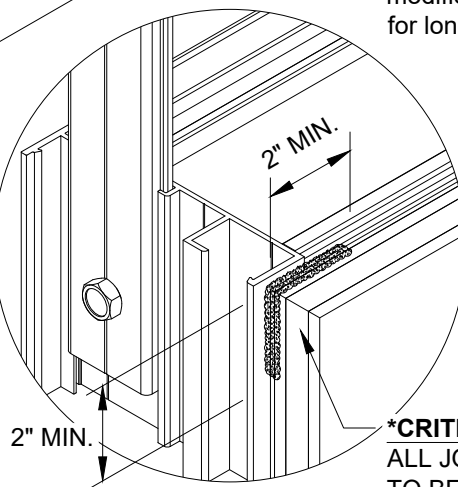


NOTE: Side block for transit only. Use
modified HP-17 (1/4" x 1/4") - Not intended
for long term storage.

SIDE BLOCK

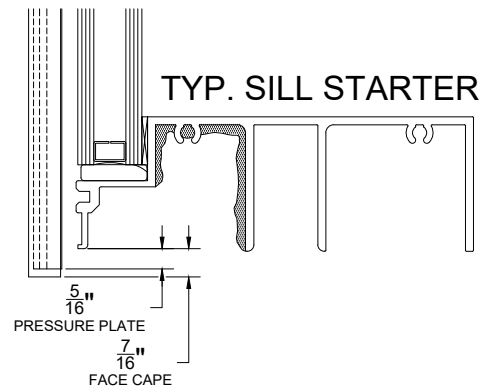
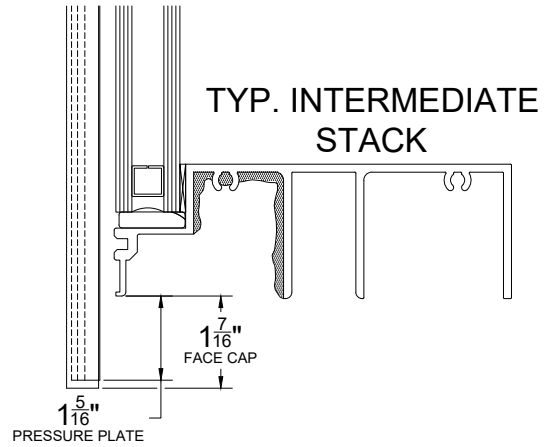
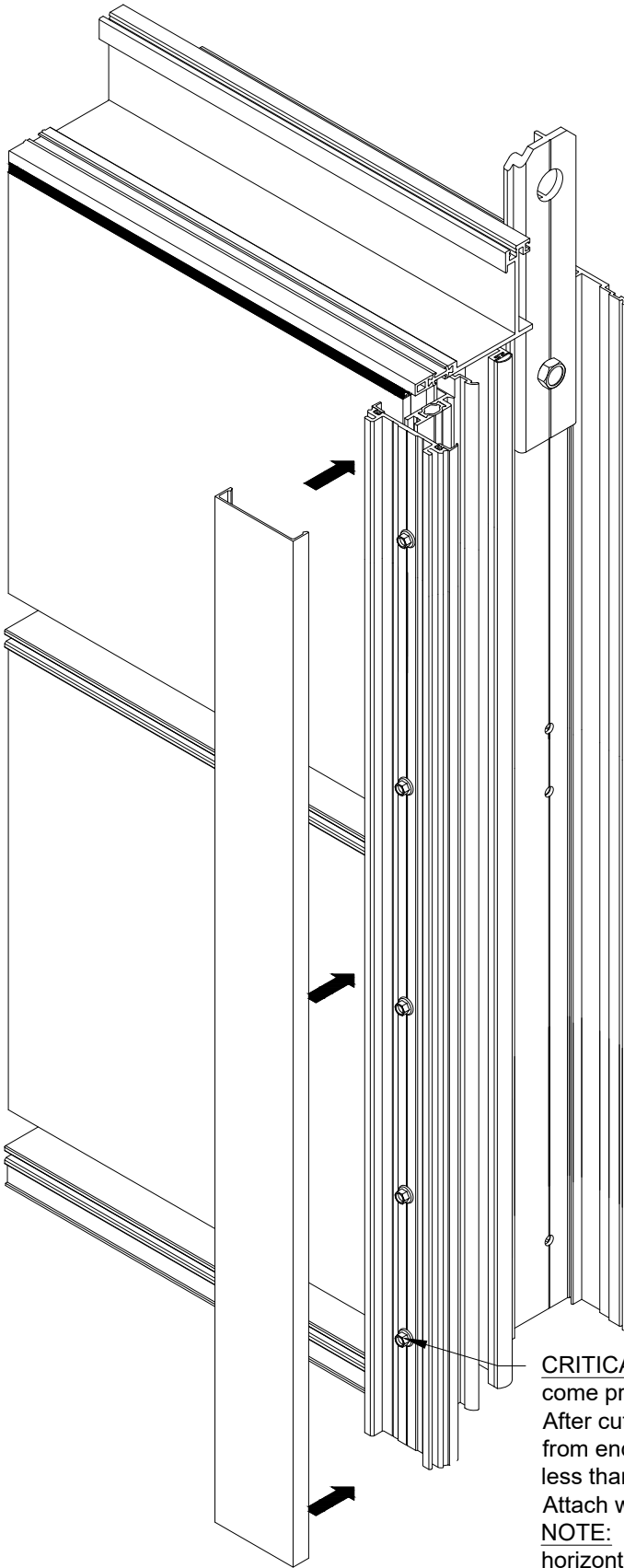


NOTE: Just prior to setting glass, remove remainder
of VHB™ protective film & apply pressure per 3M™
recommendation to fully adhere glass.

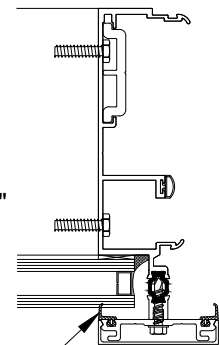


***CRITICAL**
ALL JOINTERY
TO BE SEALED
POST GLAZING.

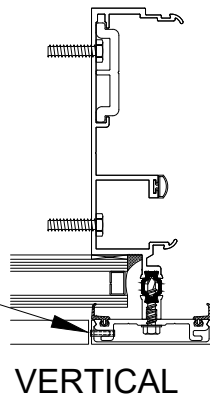
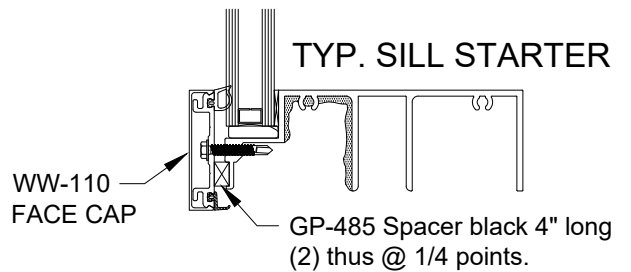
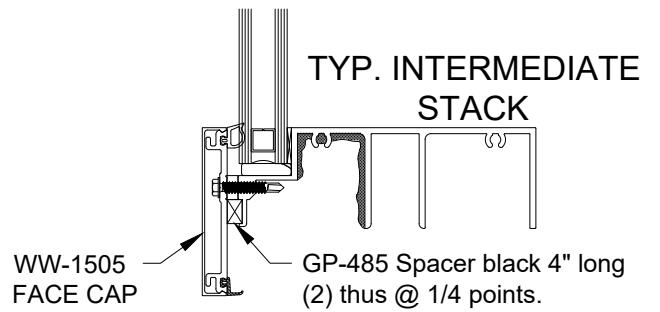
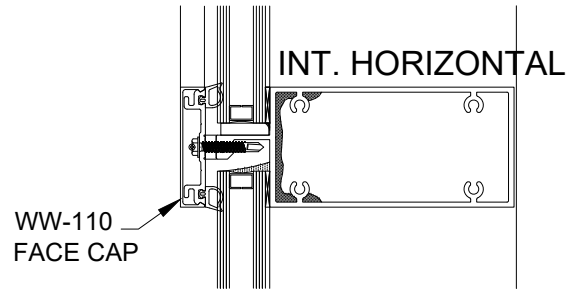
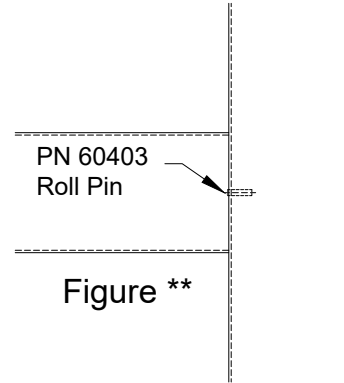
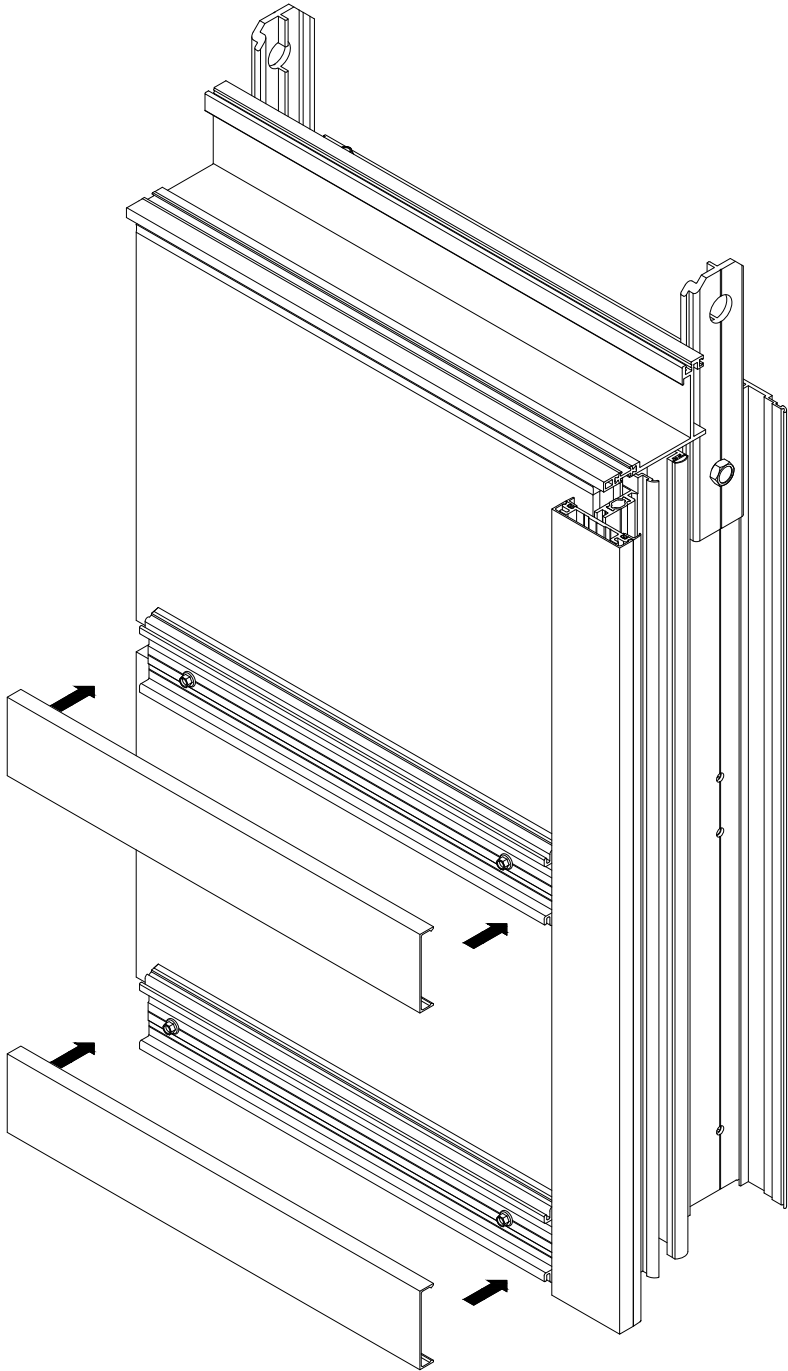
VERTICAL FACE CAP & PRESSURE PLATE LOCATING DIMENSIONS



CRITICAL: Pressure plate stock lengths will come pre-prepped for fasteners at 9" O.C. After cutting to length, drill additional holes 4" from ends. If pre-fabricated holes/ slots exist less than 4" from end, seal over thoroughly. Attach w/ FS-322 and torque to 35 in-lbs. **NOTE:** Different fastener used to secure horizontal pressure plate.

































GP-50028
SWEEP
GASKET (2) @ MULLION

































CRITICAL: Pressure plate stock lengths will come pre-prepped for fasteners at 9" O.C. After cutting to length, drill additional holes 4" from ends. If pre-fabricated holes/slots exist less than 4" from end, seal over thoroughly. Attach w/ FS-325 and torque to 35 in-lbs.
NOTE: Different fastener used to secure vertical pressure plate.



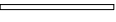










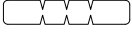


(FS-317 Pin) (1) required at vertical cap only. Location of pin to be concealed behind horizontal cap.)
 See Figure **










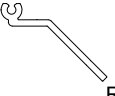



7" SYSTEM	
 RU-662	Male Corner Mullion 90° Outside Captured
 RU-663	Female Corner Mullion 90° Outside Captured
 RU-632	Male Mullion Captured
 RU-634	Female Mullion Captured
 RU-667	Jamb Captured
 RU-658	Jamb Non Captured
 RU-651	Male Mullion Non Captured
 RU-652	Female Mullion Non Captured
 RU-653	Head Horizontal Non Captured
 RU-637	Filler Trim for Head Horizontal
 RU-650	Dead Load Sill Starter
 RU-649	Stack Horizontal @ Stack Condition
 RU-644	Head Horizontal @ Stack Condition
 RU-639	Sill 1" Infill, Captured
 RU-638	Standard Horizontal Captured

 RU-636	Head Horizontal Captured
 RU-673	Sill Non Captured
 RU-654	Standard Horizontal Non Captured
 RU-670	Dead Load Sill, Captured
 RU-671	Dead Load Sill, Non Captured
8" SYSTEM	
 RU-762	Male Corner Mullion 90° Outside Captured
 RU-763	Female Corner Mullion 90° Outside Captured
 RU-732	Male Mullion Captured
 RU-734	Female Mullion Captured
 RU-767	Jamb Captured
 RU-758	Jamb Non Captured
 RU-751	Male Mullion Non Captured
 RU-752	Female Mullion Non Captured
 RU-753	Head Horizontal Non Captured
 RU-737	Filler Trim for Head Horizontal

 RU-750	Dead Load Sill Starter
 RU-749	Stack Horizontal @ Stack Condition
 RU-744	Head Horizontal @ Stack Condition
 RU-739	Sill, Captured
 RU-738	Standard Horizontal Captured
 RU-736	Head Horizontal Captured
 RU-773	Sill Non Captured
 RU-754	Standard Horizontal Non Captured
 RU-770	Dead Load Sill, Captured
 RU-771	Dead Load Sill, Non Captured
COMMON EXTRUSIONS	
 RU-642	Pressure Plate for 3 1/2" Face Cap @ Stack, Captured
 WW-1505	3 1/2" Face Cap @ Stack Condition, Captured
 WW-162	Pressure Plate for 2 1/2" Face Cap (Typ.), Captured
 WW-110	2 1/2" Face Cap @ Typical Condition, Captured
 RU-641	Pocket Filler, Captured

	RU-657	Perimeter Filler, Non Captured
	SPW-1482	Perimeter Filler Cap, Non Captured
	RU-230	Pressure Plate for 90° Corner Face Cap Captured
	RU-231	Face Cap for 90° Corner Condition Captured
ACCESSORIES		
	FS-289	Hex Head Bolt 3/8" X 1 1/4"
	FSW-80	Flat Washer For 3/8" Bolt
	FSN-81	Nut For 3/8" Bolt
	FS-74	Hex Head Bolt 1/2"-13 X 2"
	FSW-73	Flat Washer For 1/2" Bolt
	FSW-71	Lock Washer For 1/2" Bolt
	FSN-69	Nut For 1/2"-13 Bolt
	FS-8	Typical Assembly Fastener
	FS-322	Vertical Pressure Plate, Pocket Filler / Chicken Head Fastener
	FS-325	Horizontal Pressure Plate Fastener
	FS-347	Adjustment Bolt 3/8"-16x5" Square Head Cup Point Bolt

	FS-346	Taplock Threaded Insert 3/8"-16x11/16"
	FS-317	Attachment Pin
	UW-465	Silicone Splice 4"
	UW-466	Silicone Splice 2"
	GP-492	Formed Silicone Boot for Sealing of 90° O.S. Corner
	GP-483	Santoprene Weather Gasket
	GP-142	EPDM Isolator
	GP-50008	EPDM / Silicone Gasket
	GP-50028	EPDM / Silicone Weatherseal Gasket
	GP-185	Air Seal Gasket @ Stack
	GP-186	Air Seal Gasket @ Sill
	GP-484	1" X 1/4" Setting Block
	GP-485	5/16" X 1/2" Spacer Block
	HP-17	Edge Block Modified as Needed
	3M™ VHB™ SGT	3M Structural Glazing Tape (NOT Provided by O.B.E)
	UCW-8759	Serrated Washer

	UCW-387	Anchor Lug Typical
	RU-668	7" Mullion Anchor Typical
	UCW-20050	7" Mullion Anchor 90° O.S. Corner
	UCW-309	Anchor Plate Typical
	UCW-200	Serrated Anchor Plate Washer
	UCW-6006	Lifting Lug Typical
	UCW-6012	Lifting Lug 90° O.S. Corner
	RU-647	Dead Load Block
	RU-768	8" Mullion Anchor Typical
	RU-237	8" Mullion Anchor 90° O.S. Corner
	RU-201	7" Sill Shear Angle
	RU-204	8" Sill Shear Angle
	RU-645	Stack Shear Angle