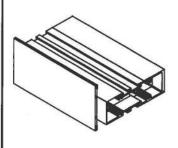
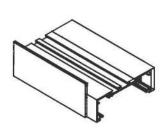
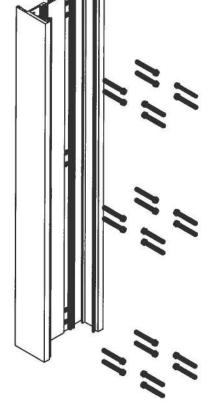
NSTALLATION INSTRUCTIONS

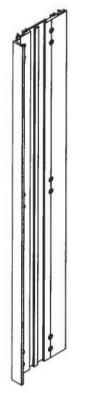


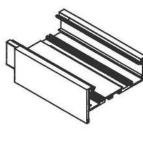


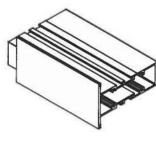














FRONT SET SYSTEM



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PATENT PENDING:

THE FRONT SET (FS300) HAS A PATENT PENDING FOR ITS INNOVATIVE SEAMLESS DESIGN. ANY ATTEMPT TO COPY THIS DESIGN WOULD CONSTITUTE AN INFRINGEMENT ON ALDORA'S INTELLECTUAL PROPERTY.



STALLATION INSTRUCTION

GENERAL INSTALLATION NOTES

- Safety- Safety should be the primary concern throughout the installation process. Keep the installation areas
 clear of debris and obstructions. Lift and carry products carefully using proper lifting procedures. Always wear
 safety gear as determinated by products and or jobsite conditions.
- Building Code- The Building Code determinates the requirements of products to be used on a project. Aldora
 manufactures products to the installer's specifications; however, Aldora does not assume any responsibility for
 the suitability of its products for any project. Its is the responsibility of the glazier to ensure each product meets
 the project requirements.
- Openings- Measure the openings to determinate if they match the building plans. Notify the General Contractor immediately to correct any deviance.
- Shop drawings- Review shop drawings to ensure all materials have been manufactured in accordance with the shop drawings.
- Receiving- Inspect all products upon receipt. Do not install any damage or deficient products. Return to Aldora immediately for correction.
- Protection- Protect all materials from damage including cement, stucco, paint, mud or other abrasives or chemicals. Materials need to be protected properly before, during and after installation.
- Fields testing- Glaziers must fully understand all sealing procedures in advance of installation. If installed
 correctly and properly sealed, Aldora's products will achieve satisfactory results during field test. Aldora will not
 accept any responsibility for installation deficiencies.

Pre-installation

- 1. Checklist- Working from a checklist, bring all necessary documents, tools, equipment and supplies to the jobsite.
- Products- Review all products versus the shop drawings to ensure everything is at the jobsite. Examine mark numbers to verify proper products per opening.
- Pre-glazed units- With multiple panel openings, identify the panel with two jambs for the opening, this is typically the starting panel for the left hand side of the opening (outside looking in).
- 4. Sealants- Ensure compatibility of the sealant with all products involved.
- 5. Anchors- Verify anchors supplied match shop drawings.
- Opening preparation- Clean opening of all debris and examine for level and plumb.
- 7. Aluminum surfaces in contact with lime-mortar, concrete or other masonry materials, shall be protected with alkali resistant-coating.

Note: Perimeter sealing of the product to the substrate is not covered under this document. Please refer to the product's notice of acceptance or Florida building code approval for specifics.

All perimeter caulking and waterproofing should comply with the above mentioned documents and sealant compatibility and performance should be designed for specific job conditions.

Failure to have an adequate barrier will lead to water intrusion.



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PROFILE	PART#	DESCRIPTION	PROFILE	PART#	DESCRIPTION
	SMI-311	HEAD/SILL/JAMB/MULLION & INTERM. HORIZONTAL	70 07	SMI-004	PLAIN SNAP
لأ	SMI-312	GLASS STOP	(en-f-Jen)	SMI-094	PLAIN SNAP
i _{vn 5 3} -n ,	SMI-313	FIN SNAP	TO TOTAL	SMI-094T	PLAIN SNAP (POURED & DEBRIDGE)
د	SMI-314	GLASS STOP			
	SMI-315	ALUM. REINFORCEMENT & SHEAR BLOCK			
	SMI-316	HEAD/SILL/JAMB/MULLION & INTERM. HORIZONTAL		ST-FS1	VERTICAL STEEL REINFORCEMENT
Ĺ ,,,,,,, ,	SMI-317	FIN SNAP		ST-FS2	VERTICAL STEEL REINFORCEMENT
	SMI-311T	HEAD/SILL/JAMB/MULLION & INTERM. HORIZONTAL (POURED & DEBRIDGE)]	ST-FS3	VERTICAL STEEL REINFORCEMENT
المالي	SMI-313T	FIN SNAP (POURED & DEBRIDGE)			
0 0	SMI-318	HEAD/SILL & JAMB			
02-0	SMI-319	INTERMEDIATE HORIZONTAL			
-	SMI-320	ALUM. REINFORCEMENT & SHEAR BLOCK			
	SMI-321	MULLION (NO SEAM)			
(1011)	SMI-322	FIN SNAP (NO SEAM)			

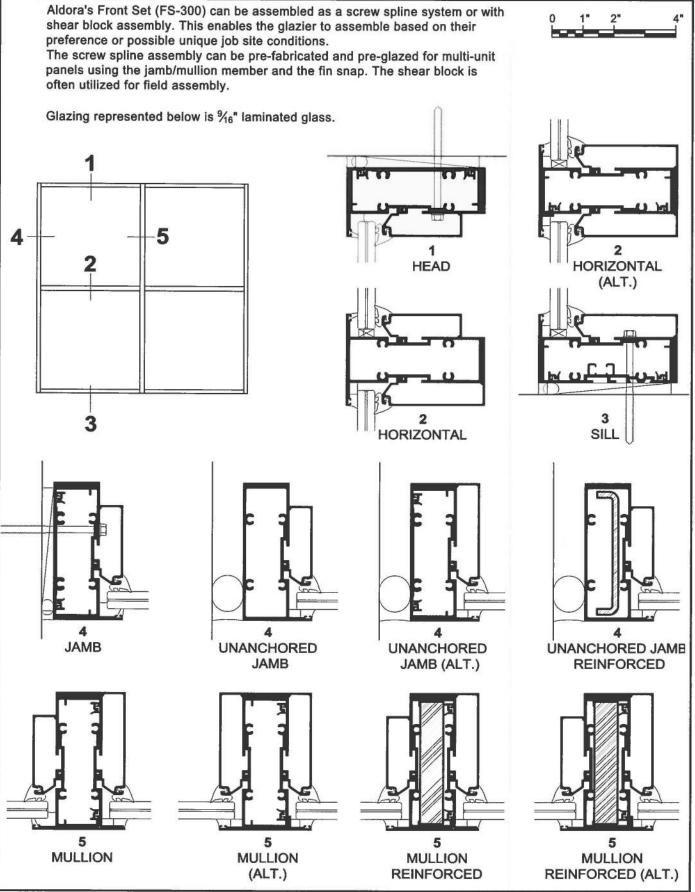


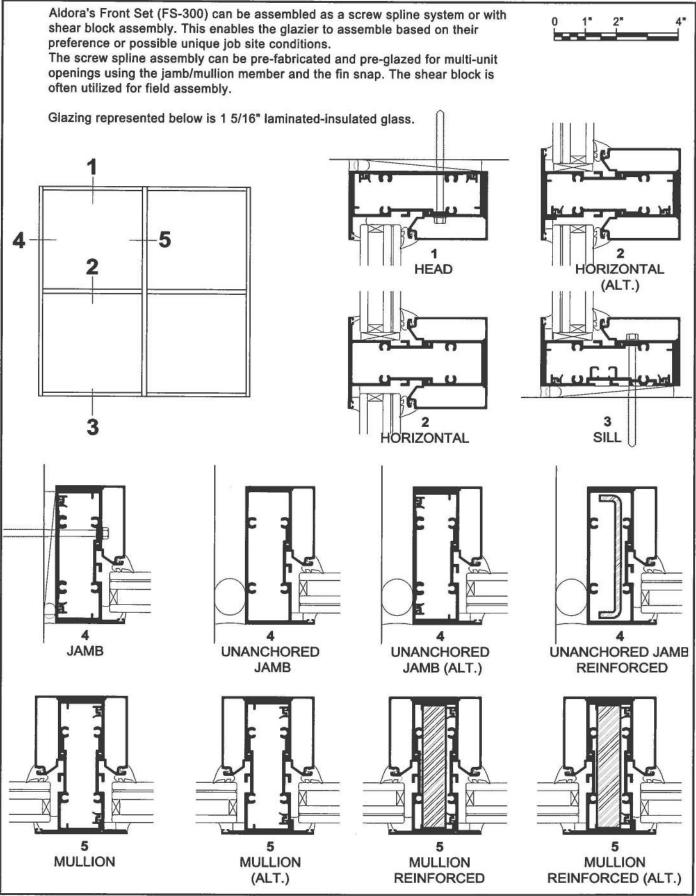
NSTALLATION INSTRUCTIONS

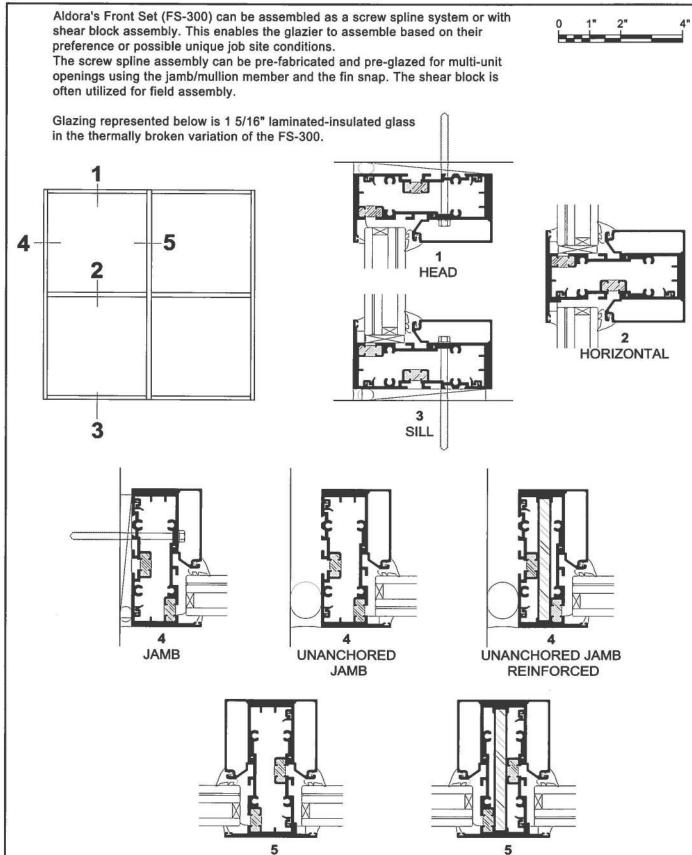
PROFILE	PART#	DESCRIPTION	PROFILE	PART#	DESCRIPTION
37	SMI-G01	INTERIOR GLAZING GASKET	-		ASSEMBLY SCREW #12 X 1 1/2" LG. HX. WASHER SMS. ST/ST
-	SMI-G02	SINGLE FACE FOAM TAPE 3/8" X 1/2" (OPTION)			ASSEMBLY SCREW #12 X 1 1/2" LG. FT. HD. SMS. ST/ST
¥	SMI-G13	SPACER/ RETAINER OUTER GASKET			MULLION SCREW 1/4-20 X 2 1/4" LG. FT. HD. MACHINE BOLT ST/ST
-	SMI-SB03	SETTING BLOCK 1/4" X 1/2" X 2" LG. / SPACER 1" LG. (OPTION)	-5-		NUTS 1/4-20 HEX. ST/ST
	SMI-SB07	SETTING BLOCK 1/4" X 1 1/4" X 4" LG.			
4-1	SMI-P03	TEMPORARY GLASS STOP			
4	SMI-P08	TEMPORARY GLASS STOP		7	
				31/3	,
				4.0	



STALLATION INSTRUCTI



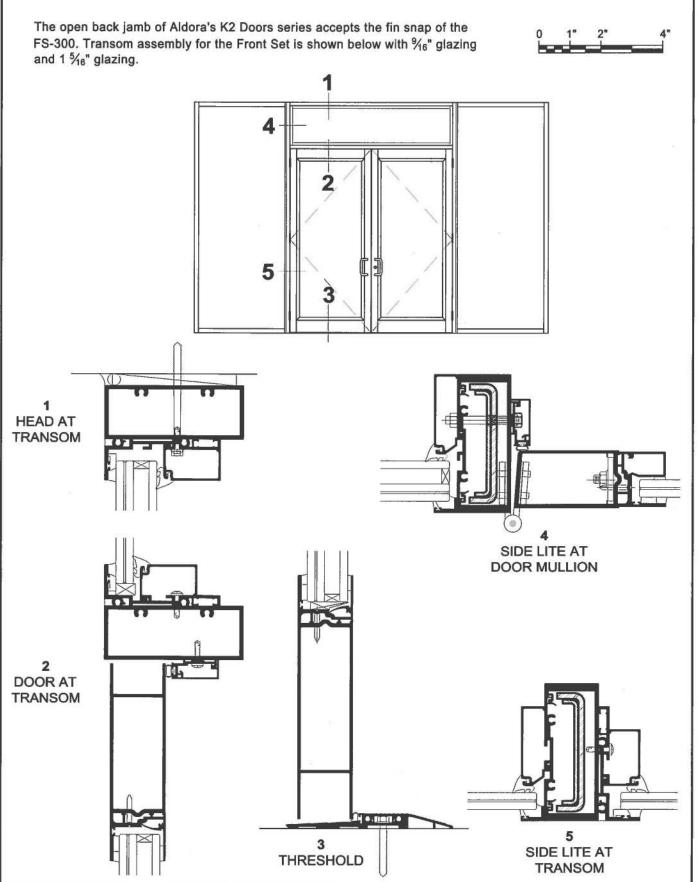






MULLION REINFORCED

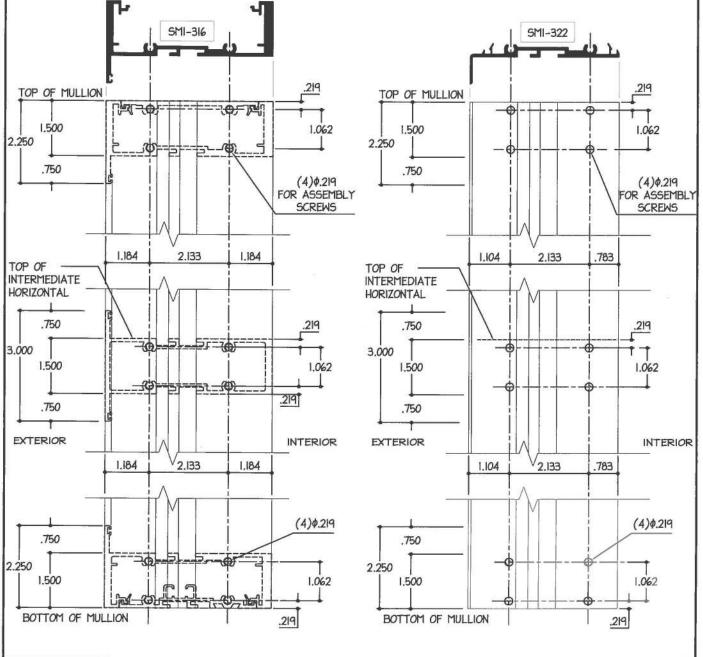
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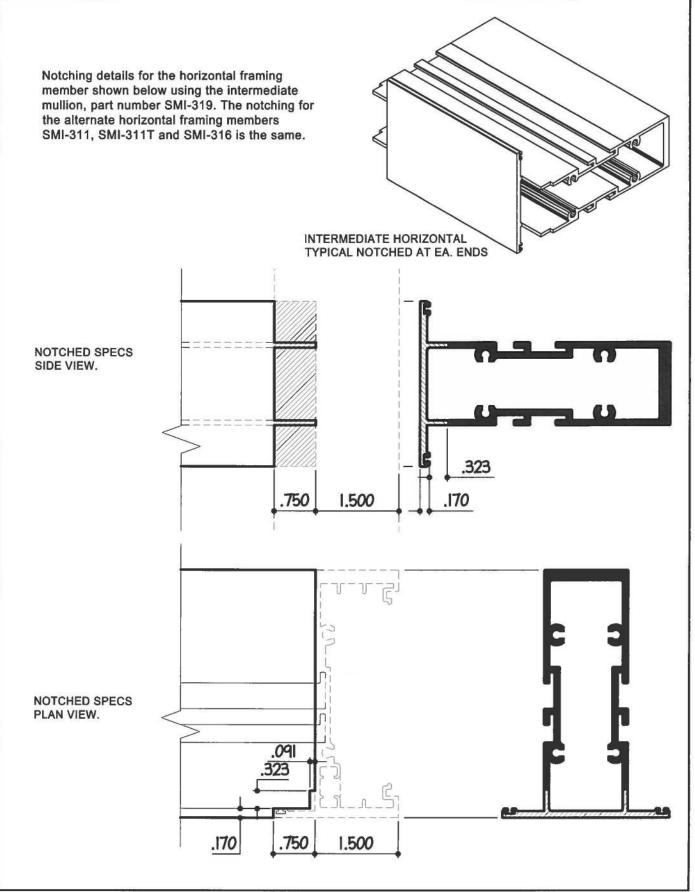


Determine opening dimensions by measuring width and height and reduce each by 3/8" on all sizes. This allows for shim spacing and perimeter sealant. If the opening is not square, use the smallest dimension for each measurement before deducting for shim space.

Vertical members are cut at the frame height dimension. Horizontal members are cut to fit within vertical members. Where intersecting with the verticals members, the fin of the horizontal must be notched (see details on page 11). Assembly holes are drilled in the verticals framing member wherever horizontals are adjoined.



STALLATION INSTRUCTIONS



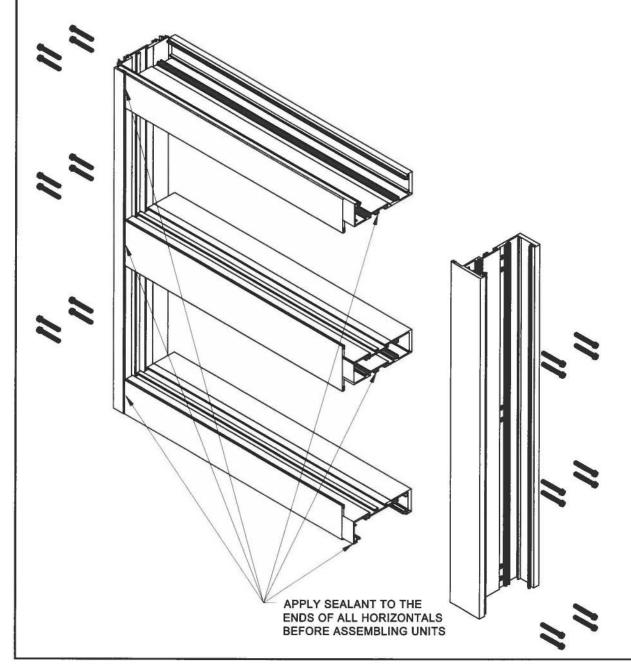
STALLATION INSTRUCTIONS

Assembly Instructions

Apply sealant to the ends of the horizontal framing members prior to fastening to the vertical jambs or mullions. This will provide the joint seal necessary to prevent water penetration.

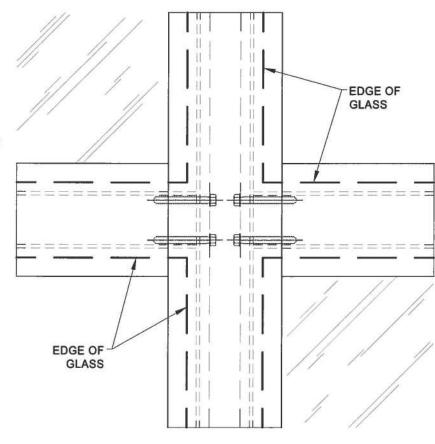
Affix the horizontal members to the vertical framing member by screwing four (4) # 12 X 1 ½" S.S. hex head screws into each joint location as shown below.

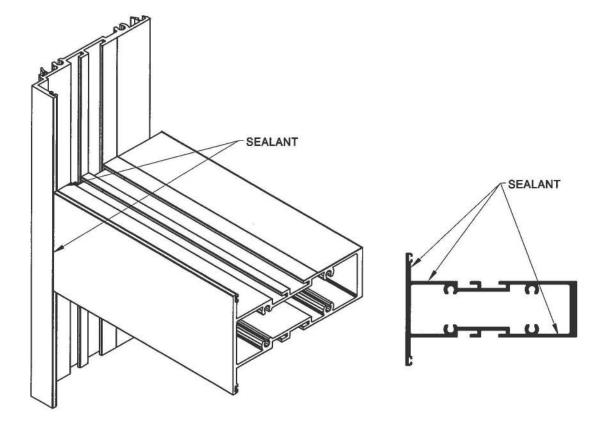
The fabricated frame can be pre-glazed prior to shipping.



Assembly

When assembling the horizontal framing member to the vertical, apply recommended sealant to the front fin surface and the edge of the horizontal extrusion. Extended the sealant around the ends of all horizontal members to ensure a uniform seal between the two framing members.



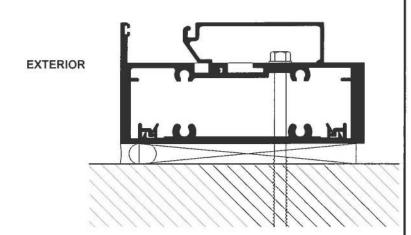


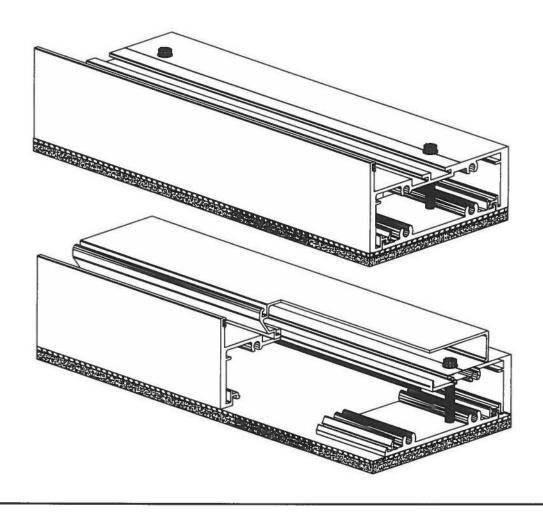


NSTALLATION INSTRUCTIONS

Installation Instructions

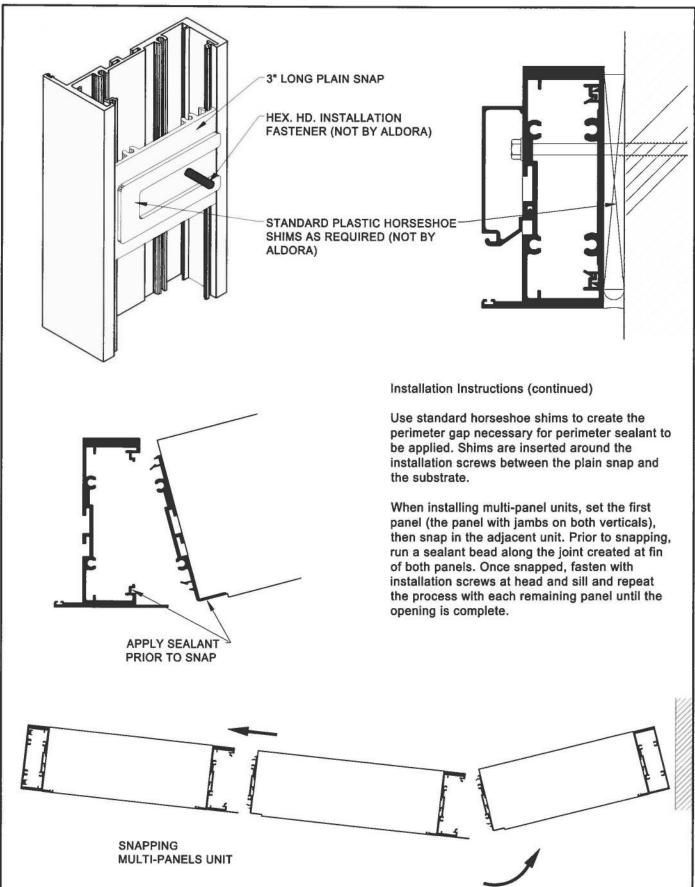
When setting the sill member, create a perimeter seal gap by shimming the sill ¼" above the substrate. Installation screws are spaced per the shop drawings and are located behind the glazing pocket. The installation screw is fastened through the sill and the plain snap and into the substrate. The screws will be covered by the glass stop after the unit has been glazed.







LATION INSTRUCTIONS



Installation Instructions (continued)

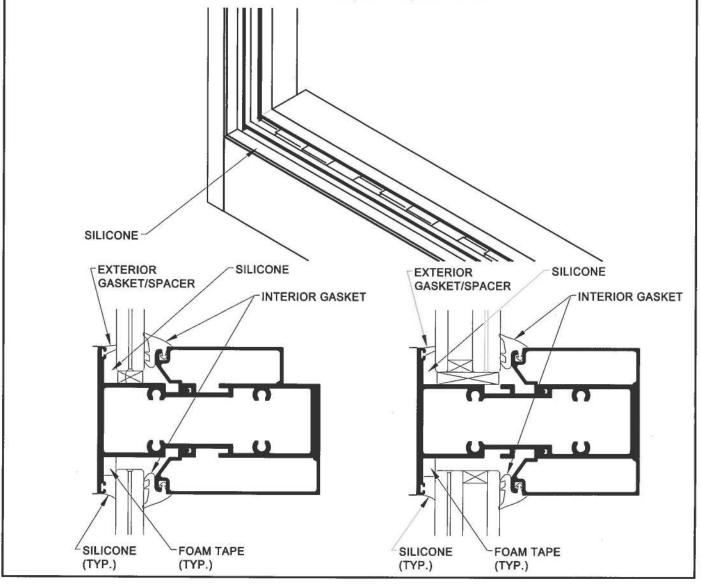
The FS-300 has two options for applying the specified glazing silicone to the glass and framing members. The same procedures can be used for $\%_6$ " glazing, 1 $\%_6$ " glazing with the sacrificial lite outboard, or 1 $\%_6$ " glazing with the sacrificial lite inboard.

Option 1- Using exterior gasket/spacer

Run the gasket into the groove located on the fin of the framing member. Pump silicone into the pocket created by the gasket from the gasket to the base of the glazing pocket. The bead should be ¼" in depth. Place the setting blocks and set the glass in the pocket. Insert the glass stop in the stop guide and wedge the glazing gasket between the glass and glass stop. Temporary glass stop may be used where screw inspections are required.

Option 2- Using traditional foam spacer tape

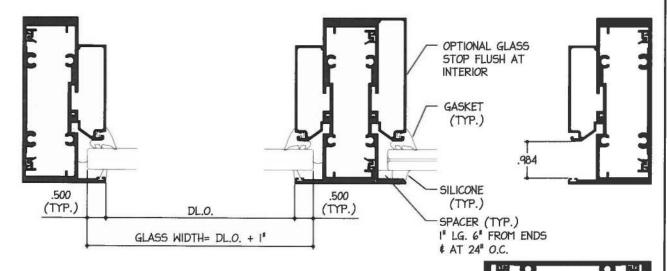
Adhere the foam spacer tape to the base of the glazing pocket and along the length of the framing member. Place setting blocks and set the glass in the glazing pocket. Insert the glass stop in the stop guide and wedge the glazing gasket between the glass and glass stop. Temporary glass stops may be used where screw inspections are required. From the outside, run the glazing silicone bead in the cavity between the glass and the fin of the framing member making sure to fill the entire cavity created by the foam spacer. Run this bead the length of the framing member. It is best to tool the silicone in order to allow water to run off vs. pool on top of the bead.



UCTIONS

The Front Set has two variable glass stop locations. When the front glass stop is selected, the glazing pocket measures approximately 1" in width. This is setting for laminated hurricane resistant glazing when using 9/16" glass. Please note that Aldora offers two different glass stop for this setting; a standard glass stop (SMI-312) that creates an interior reveal, or the extended glass stop (SMI-314) which provides a flush profile on the interior. Please specify which glass stop you choose when ordering.

TYPICAL GLASS SIZE IS DAYLITE OPENING (DL.O.) + 1"



GLAZING CHART F	OR FS-300 (FRON	T SET SYSTEM)
NOMINAL INFILL THICKNESS	EXTERIOR GASKET	INTERIOR GASKET
9/16"	SMI-G13	SMI-G01
9/16"	SMI-SB03	SMI-G01

EXTERIOR GLAZING GASKETS:



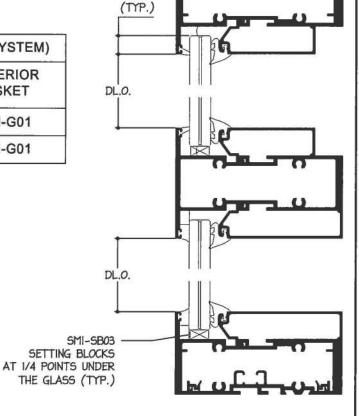


SMI-G13

SMI-SB03

INTERIOR GLAZING GASKET:



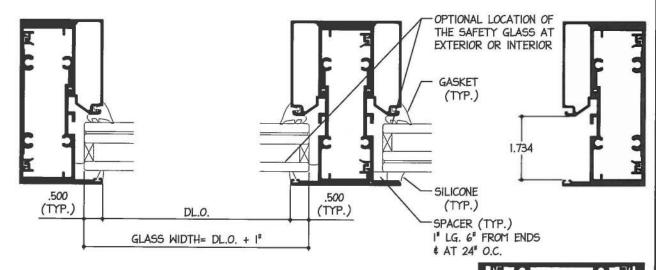


.500

CTIONS

The Front Set has two variable glass stop locations. When the rear glass stop is selected, the glazing pocket measures approximately 1 3/4" in width. This is setting for insulated laminated hurricane resistant glazing when using 1 5/16" glass. The standard glass stop (SMI-312) creates a flush profile on the interior. Please note that the front set can be glazed with the sacrificial lite (1/4" portion of the insulated laminated glass) to the interior or the exterior.

TYPICAL GLASS SIZE IS DAYLITE OPENING (DL.O.) + 1"



GLAZING CHART F	OR FS-300 (FRON	T SET SYSTEM)
NOMINAL INFILL THICKNESS	EXTERIOR GASKET	INTERIOR GASKET
1 5/16"	SMI-G13	SMI-G01
1 5/16"	SMI-SB03	SMI-G01

EXTERIOR GLAZING GASKETS:



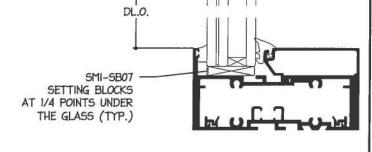


SMI-G13

SMI-SB03

INTERIOR GLAZING GASKET:





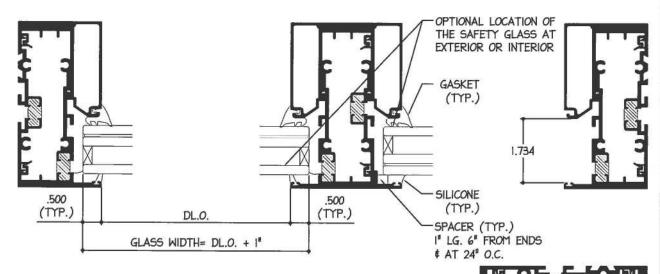
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DL.O.

.500 (TYP.)

Aldora's front set has an optional thermal break for energy performance. Please specify your thermal break requirement when ordering. The thermal break is most efficient when used with insulated -laminated 1 5/16" hurricane resistant glazing. The glazing pocket measures approximately 1 3/4" in width.

TYPICAL GLASS SIZE IS DAYLITE OPENING (DL.O.) + 1"



OR FS-300 (FRON	T SET SYSTEM
EXTERIOR GASKET	INTERIOR GASKET
SMI-G13	SMI-G01
SMI-SB03	SMI-G01
	EXTERIOR GASKET SMI-G13

EXTERIOR GLAZING GASKETS:



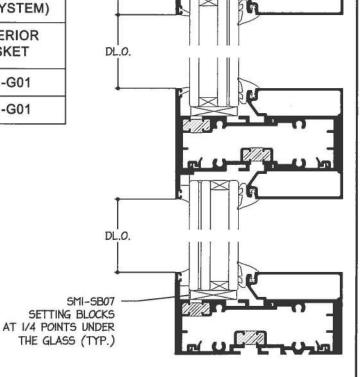


SMI-G13

SMI-SB03

INTERIOR GLAZING GASKET:



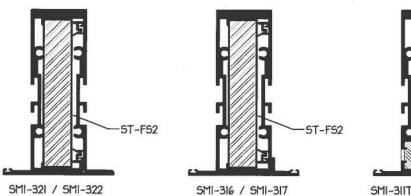


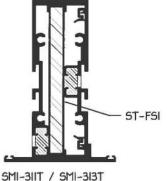
The FS300 has multiple steel options depending on the size of the units and the design pressures required. The reinforcements must run the entire length of the vertical member. Please consult with your Aldora representative to ensure you use the proper reinforcement.

All steel must be coated with a corrosion-inhibitor including any cut ends.

STEEL RE	INFORCEMENT CHART F	OR FS-300 (FRON	T SET SYSTEM)
PART #	SPECS	MULLION PART #	UNANCHORED JAMB PART #
OT 504	3/8" X 4" STL. BAR	SMI-311T/313T	-
51-F51		* .	-
ST-FS2	3/4" X 4" STL. BAR	SMI-321/322	-
		SMI-316/317	-
ST-FS3	11/16" X 4" X 11/16" 3/16" THK. FORMED STL. CHANNEL	-	SMI-316
		-	SMI-318

STEEL REINFORCEMENT AT THE STANDARD MULLION (WHEN REQUIRED, REFER TO NOA'S CHARTS)





STEEL REINFORCEMENT AT THE UNANCHORED JAMB (WHEN REQUIRED, REFER TO NOA'S CHARTS)

