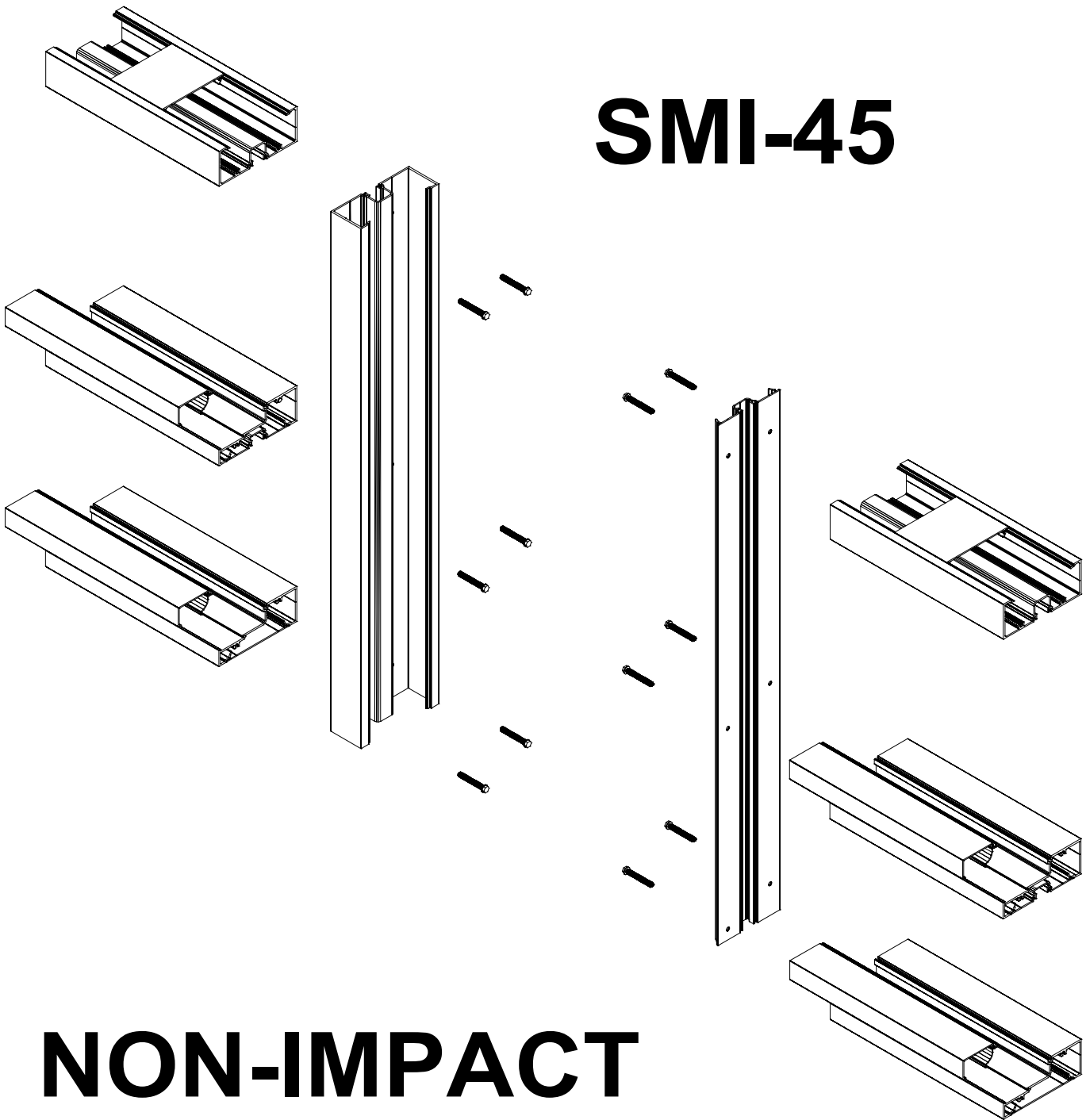


SMI-45



**NON-IMPACT
STOREFRONT
SYSTEM**

INSTALLATION INSTRUCTIONS

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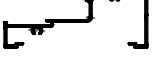



INSTALLATION INSTRUCTIONS




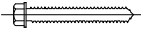

GENERAL INSTALLATION NOTES

1. 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 determined by products and or jobsite conditions.
2. Building Code- The Building Code determines 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. It is the responsibility of the glazier to ensure each product meets the project requirements.
3. Openings- Measure the openings to determine if they match the building plans. Notify the General Contractor immediately to correct any deviance.
4. Shop drawings- Review shop drawings to ensure all materials have been manufactured in accordance with the shop drawings.
5. Receiving- Inspect all products upon receipt. Do not install any damaged or deficient products. Return to Aldora immediately for correction.
6. 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.
7. Field 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.
2. Products- Review all products versus the shop drawings to ensure everything is at the jobsite. Examine mark numbers to verify proper products per opening.
3. Frame 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.
6. 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.

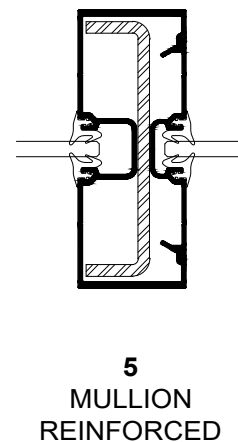
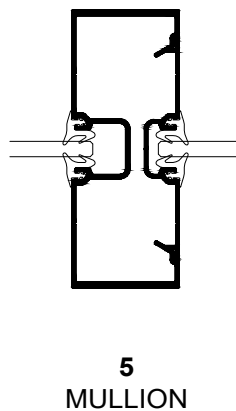
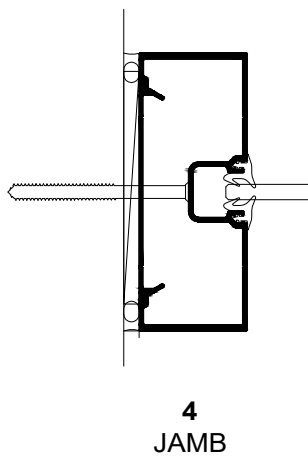
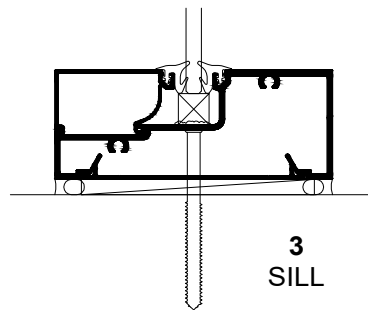
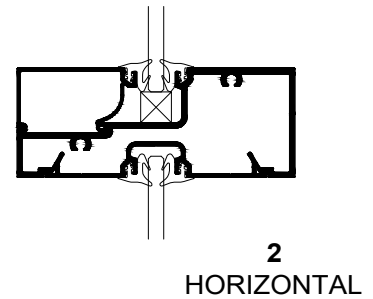
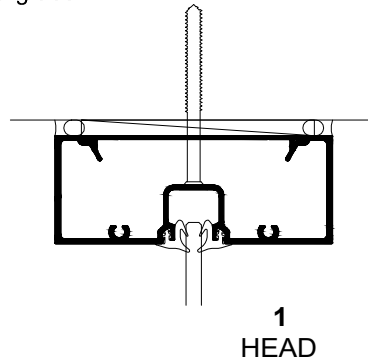
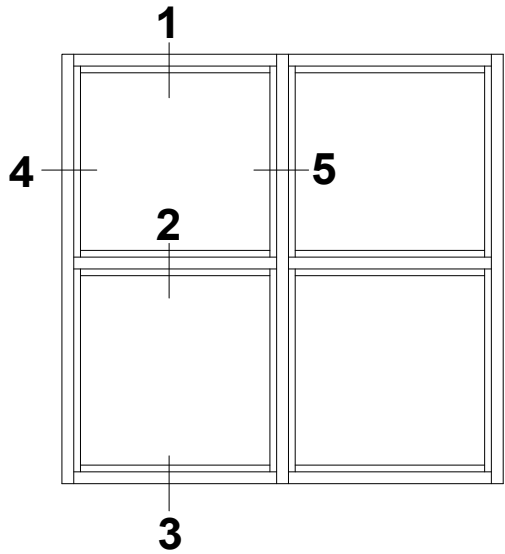
PROFILE	PART #	DESCRIPTION
	SMI-110	JAMB & MULLION
	SMI-113	HEAD & MULLION
	SMI-114	SILL, INTERM. HORIZONTAL
	SMI-116	GLASS STOP
	SMI-117	POCKET FILLER
	SMI-118	PLAIN SNAP

PROFILE	PART #	DESCRIPTION
	SMI-G04	INTERIOR & EXTERIOR GLAZING GASKET
	SMI-SB08	SETTING BLOCK 1/2" X 1/2" X 2" LG.
	SMI-P10	WATER DIVERTER OR DEFLECTOR AT INTERMEDIATE HORIZONTALS
		ASSEMBLY SCREW #12 X 1 1/2" LG. HX. WASHER SMS. ST/ST
	NI-1	VERTICAL STEEL REINFORCEMENT

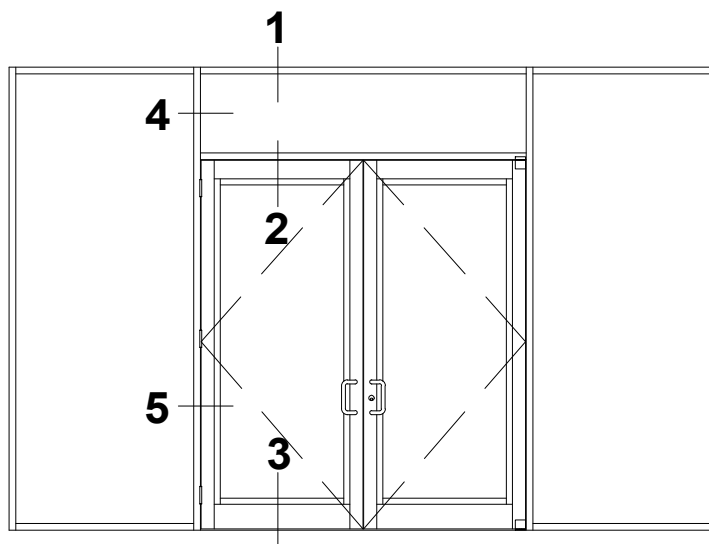
INSTALLATION INSTRUCTIONS

Aldora's SMI-45 Fixed Non-Impact System is assembled as a screw spline system. The screw spline assembly can be pre-fabricated for multi-unit panels using the jamb/mullion member and the pocket filler.

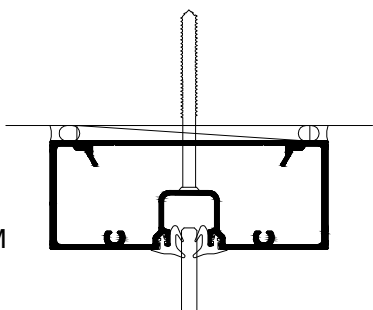
Glazing represented below is 1/4" thk. tempered glass.



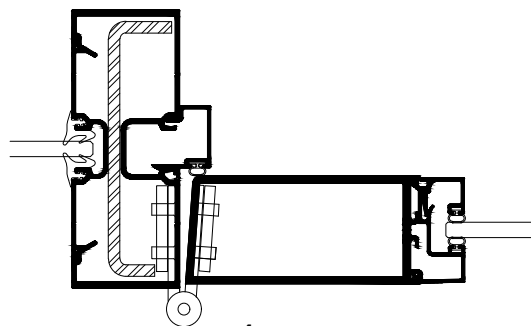
The open back jamb of Aldora's McKinley narrow & medium stile doors series accepts the pocket filler of the SMI-45. Transom assembly for the 45 System is shown below with 1/4" glazing.



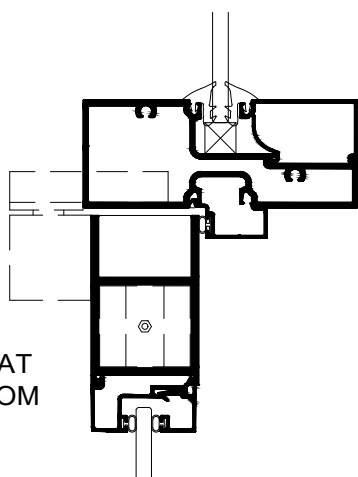
1
HEAD AT
TRANSOM



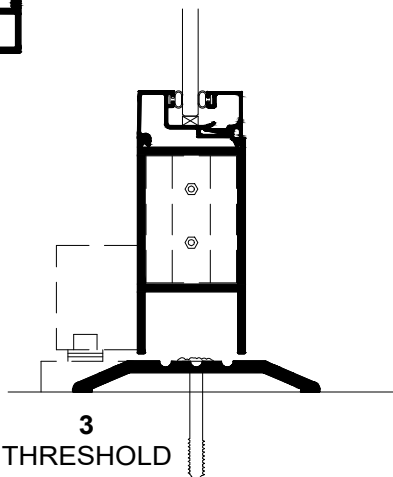
4
SIDE LITE AT
DOOR MULLION



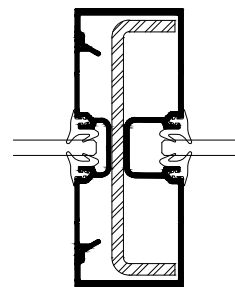
2
DOOR AT
TRANSOM



3
THRESHOLD

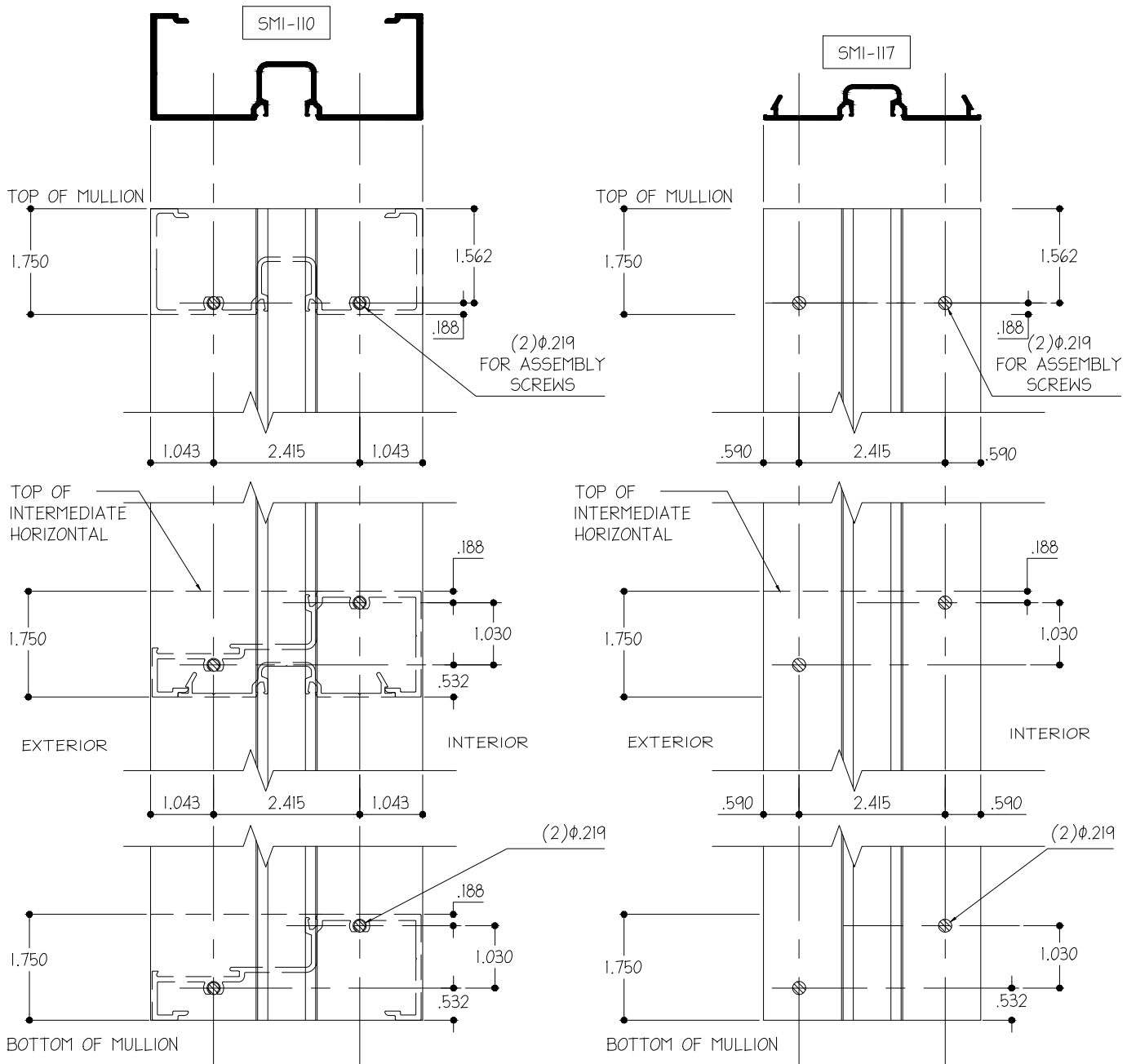


5
SIDE LITE AT
TRANSOM



Determine opening dimensions by measuring width and height and reduce each by 1/4" 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. Assembly holes are drilled in the verticals framing member wherever horizontals are adjoined.



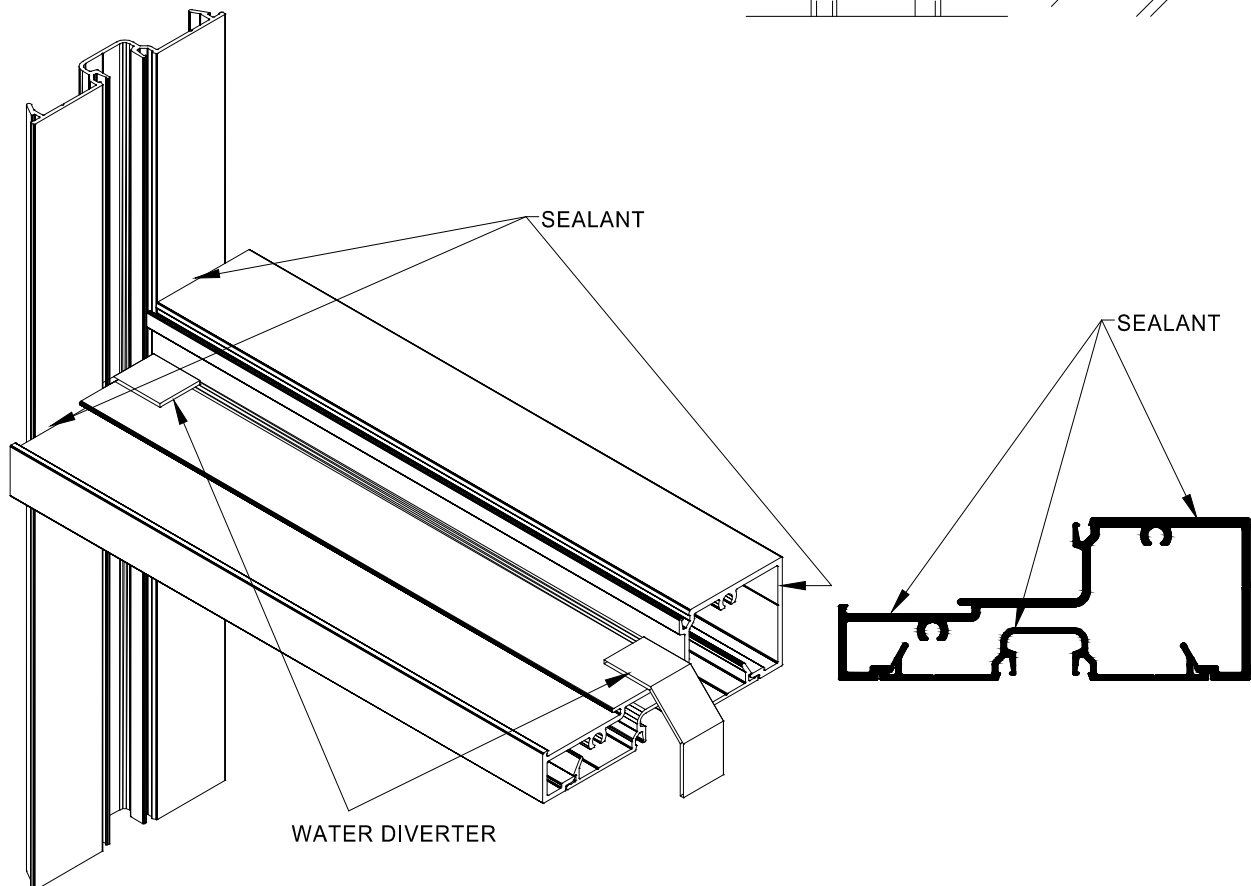
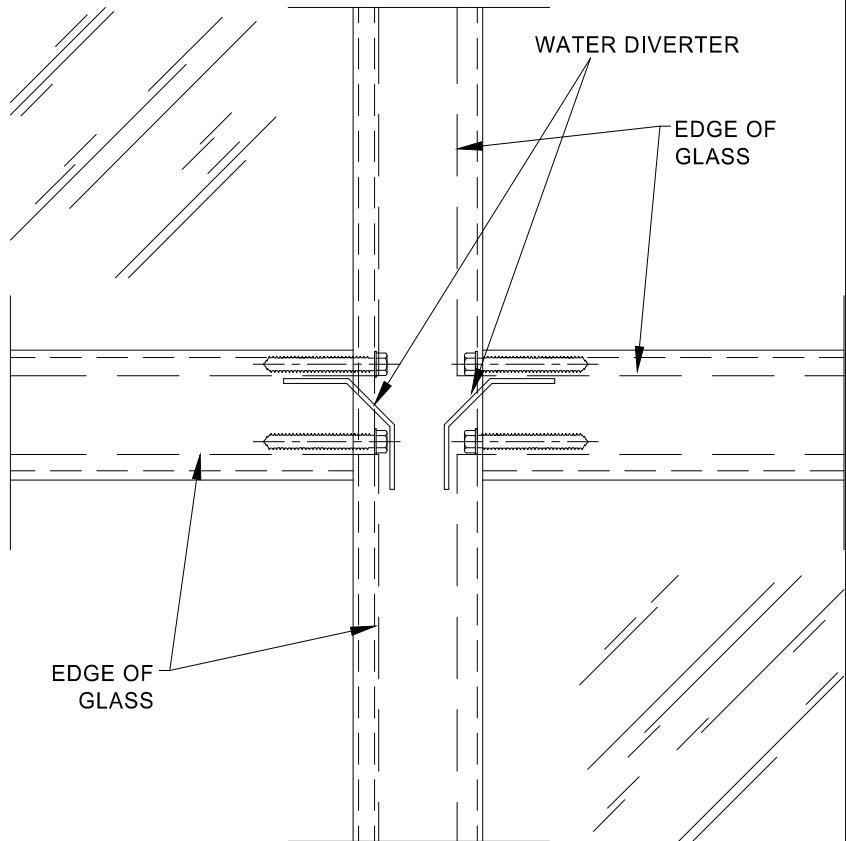
Affix the horizontal members to the vertical framing member by screwing four (2) # 12 X 1 ½" S.S. hex head screws into each joint location as shown below.



Assembly

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

Water Diverters or Deflector SMI-P10. Install water diverters with silicone, in intermediate horizontals above, after lite below is in position.

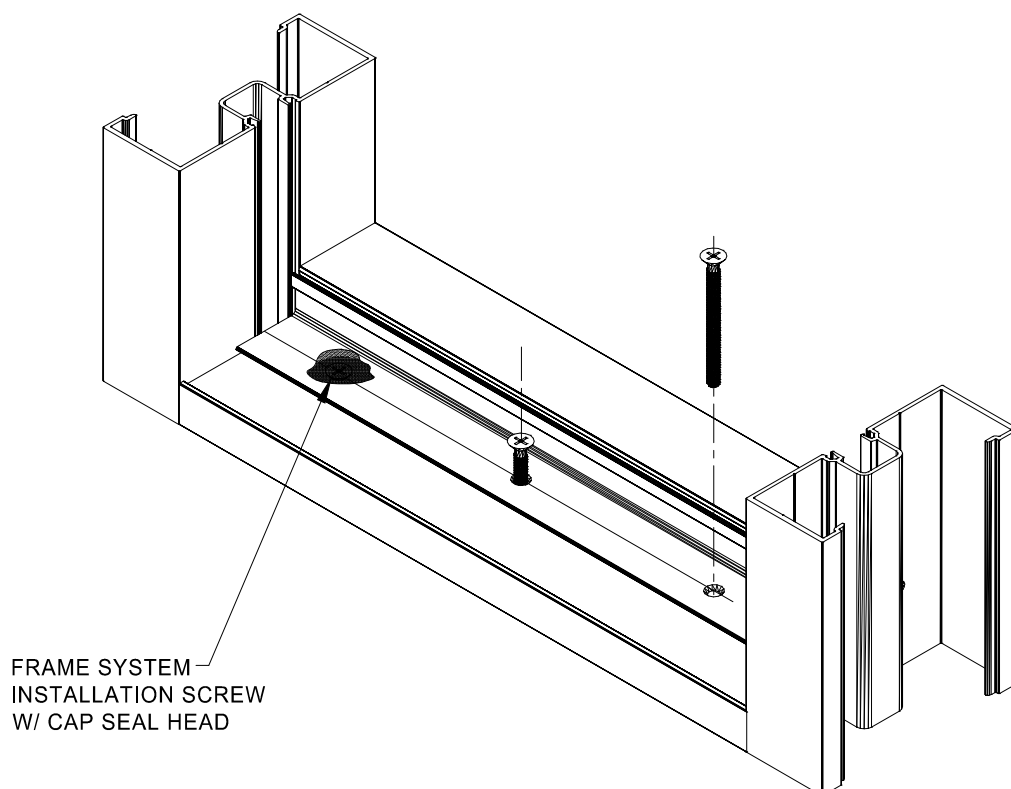


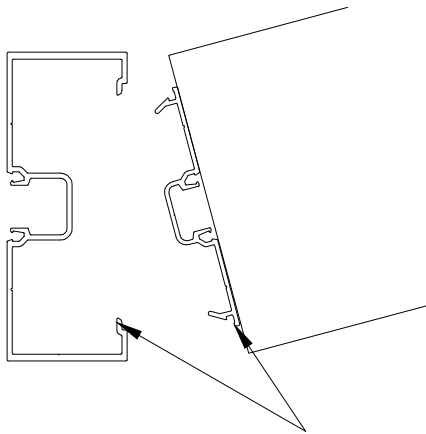
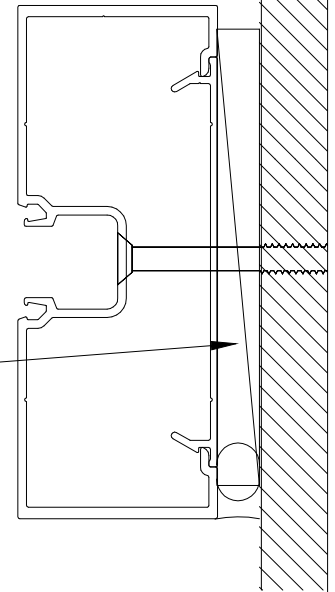
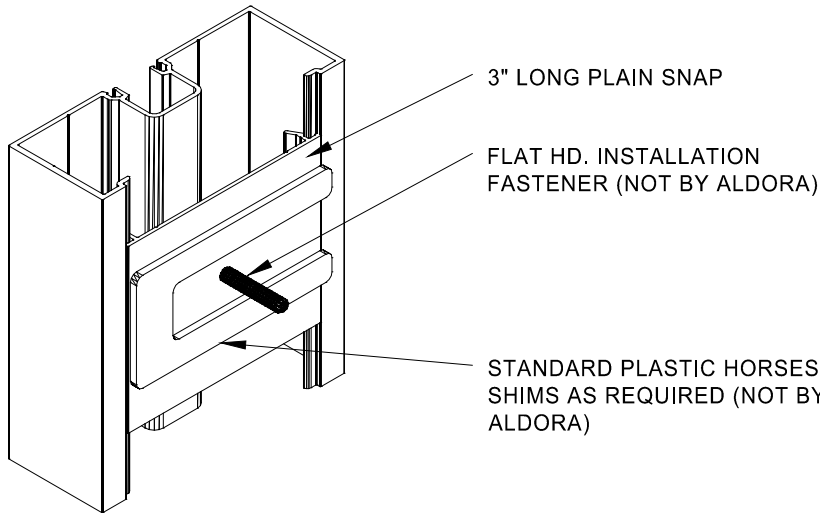
Installation Instructions

Start the installation of the assembled frames on one side of the opening. A bead of silicone is to be applied prior to installing each frame, at the back fin of the sill flashing and at interior top part of the end dam

Check to make sure the frame is level and plumb, use standard horseshoe shims as needed at the jambs, sill and head to create a gap necessary for the perimeter sealant to be applied. Shims are inserted around the installation screws between the plain snap and the substrate.

Apply silicone at the installation screws threads before fastening, then apply a cap seal at all installation screws head .



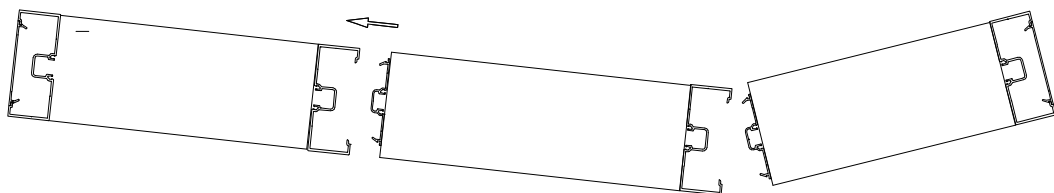


APPLY SEALANT
PRIOR TO SNAP

Installation Instructions (continued)

Use standard horseshoe shims to create the perimeter gap necessary for perimeter sealant to be applied. Shims are inserted around the installation screws between the plain snap and the substrate.

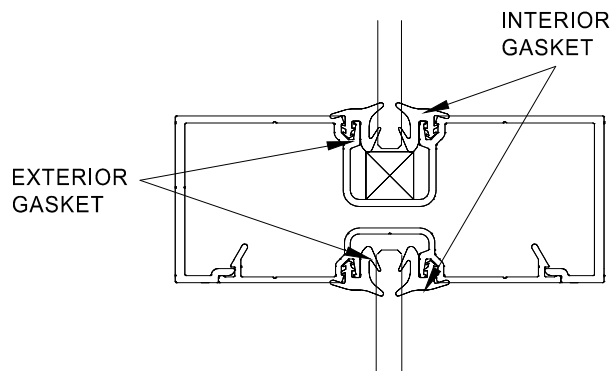
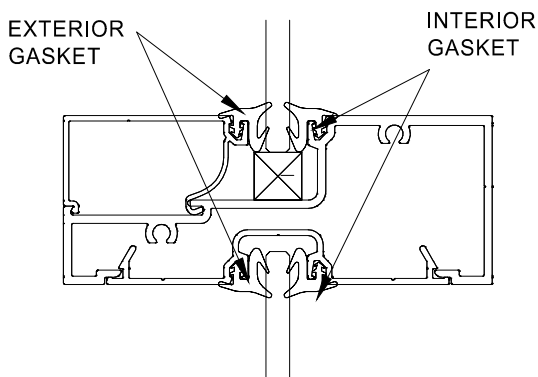
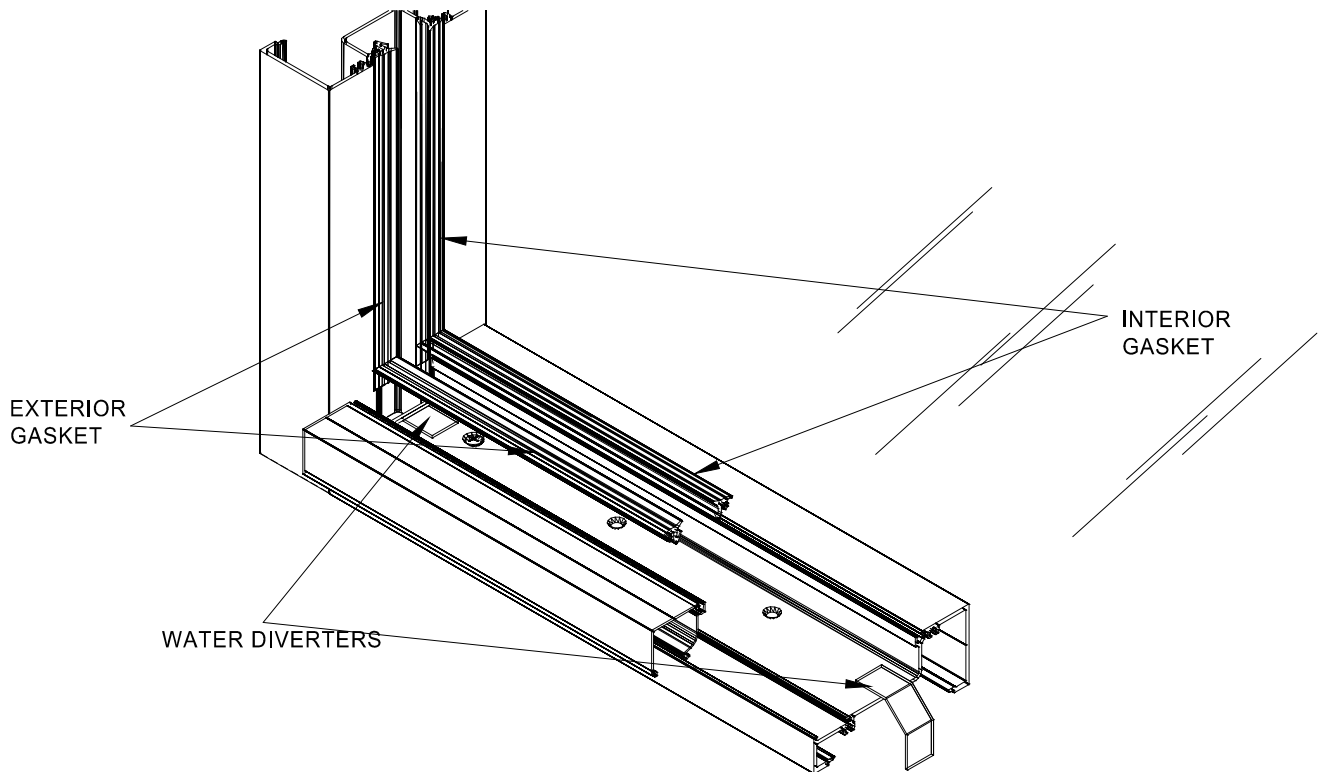
When installing multi-panel units, set the first panel (the panel with jambs on both verticals), then snap in the adjacent unit. Prior to snapping, run a 6" lg. sealant bead along the joints created at fin of both panels. Once snapped, fasten with installation screws at head and sill, repeat the process with each remaining panel until the opening is complete.



SNAPPING
MULTI-PANELS UNIT

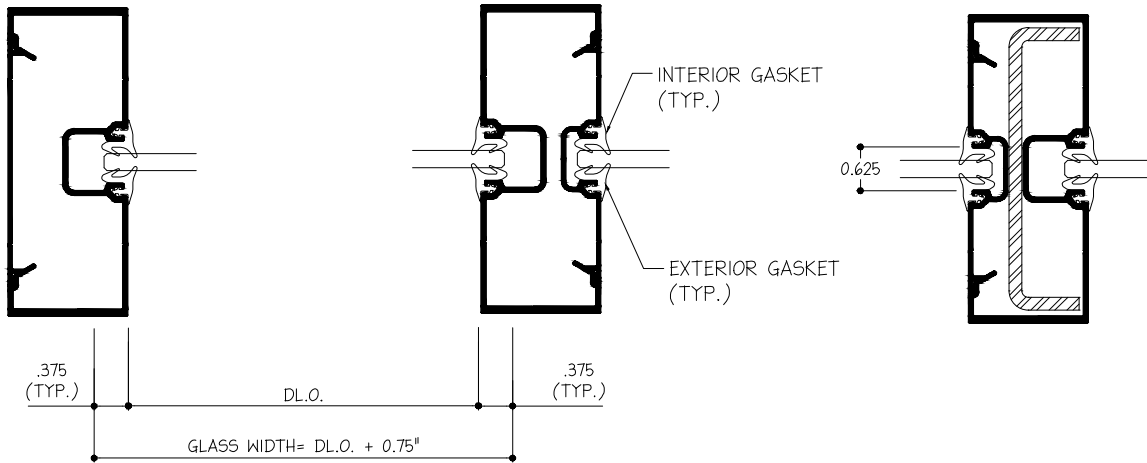
Installation Instructions (continued)

The SMI-45 System can be used for non-impact 1/4" glass type. Set the interior gasket on the internal perimeter groove of the framing, place the setting blocks at the bottom of the glass, 2 per lites at 1/4 points and set the glass in the pocket, position the glass bite to be even all around then work the exterior gasket at the external groove.



The SMI-45 allow 1/4" glass thickness. When glazing with 1/4" thk. tempered glass, use the gasket SMI-G08 at exterior and interior.

TYPICAL GLASS SIZE IS DAYLITE OPENING (D.L.O.) + 0.75"

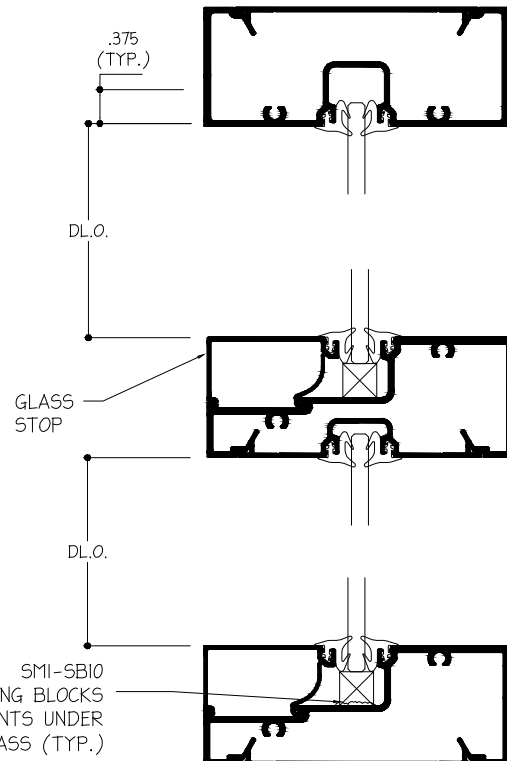


GLAZING CHART FOR SMI-45 STOREFRONT SYSTEM		
NOMINAL INFILL THICKNESS	EXTERIOR GASKET	INTERIOR GASKET
1/4"	SMI-G04	SMI-G04

EXTERIOR & INTERIOR GLAZING GASKET:



SMI-G04

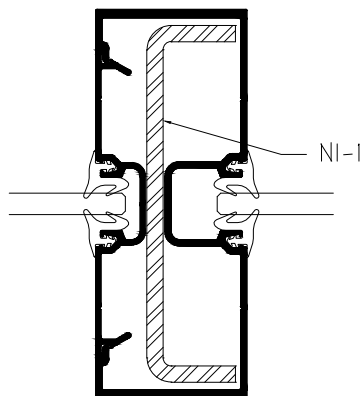


The 45 System has a reinforcement option and is required depending on the size of the units and the design pressures. The reinforcements must run the entire length of the vertical member. Please consult with your Aldora representative to ensure when use the proper reinforcement.

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

STEEL REINFORCEMENT CHART FOR 45 SYSTEM		
PART #	SPECS	MULLION PART #
NI-1	1" X 4 1/8" X 1" 3/16" THK. FORMED STL. CHANNEL	SMI-213/217

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



SMI-213 / SMI-217