

VISTA TL[™]
INSTALL GUIDE
(Thin Line)

MANUFACTURING

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SHOWROOM

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Important

Before beginning the install, read the instructions in their entirety. Perform install using the recommended methods contained within this guide. Deviating from recommended install procedures could impair functionality and could void any warranty.

Caution

It is the obligation of the building owner, contractor, architect or installer to ensure that door systems being installed comply with all building codes and regulations pertaining to the install location. Euro-Wall Systems, Inc. assumes no responsibility for failure to meet applicable laws, ordinances, building codes, etc.

Description of Supplied Parts

Upon delivery please inspect for any noticeable damage and check supplied materials with included packing list. If there is any damage and / or any missing components, please contact Euro-Wall as soon as possible. For installs with multiple opening units, do not mix and match any components even if the units are the same dimensions.

Protection of Unit During Construction

It is important that during the construction phase the door system components are protected and covered in a clean dry location away from any factors that could cause damage. Door systems that are stored during the construction phase can often times be exposed to situations that can cause permanent damage such as cement splatter, tar, paint, weld spray, falling objects, construction dust, sandblasting, etc. After installation of the door system is completed and construction is still being performed, ensure that the large opening where the door system is installed does not become a major in and out access point for contractors and subcontractors. Damage done during the construction phase can be irreparable and can cause significant setbacks with new panels needing to be constructed.

Panel Protective Film

If your project comes with protective film, remove all protective film from panels, frames and any other metal extrusion within 30 days of job delivery. Failure to do so could cause finish damage voiding the product warranty.

Considerations Before You Get Started

Space: Make sure you have the appropriate working space in and around the install opening. It is best practice to assemble the frame on top of saw horses (using at least four, one for each corner), therefore, make sure you have adequate room to assemble the frame in the area around the opening. Additionally, leave plenty of room without clutter to maneuver panels during install.

Power: Ideally power should be connected and accessible for tool operation and to ensure optimal lighting conditions for the install.

Moving Panels: Never “walk panels” and never try to move panels with only one person. Always lift and move panels by hand or using glass suction cups using at least two people. For installs less than 8’ in height, use a minimum of two installers. For panels over 8’ tall, a team of four is recommend for the install.

Special Equipment Consideration: Some projects may require additional handling equipment due to the weight of the glass. Please verify the weight of the glass and make sure you have the proper equipment to handle the glass. Some systems may weigh upwards of 1200lbs per piece of glass. Be prepared to have on-site equipment as necessary for your project.

A. Tools Required

Step A.1 - Tools Checklist

Please make sure you have all of the required tools listed below before performing the install.

- | | |
|--|-------------------------------------|
| ✓ Screw guns/chargers | ✓ Utility knife |
| ✓ Drill bits for steel, concrete, wood | ✓ Saw horses |
| ✓ Drill bits for selected substrate screws | ✓ Glass cups for moving glass/panel |
| ✓ Rubber mallet | ✓ Shop vac |
| ✓ Glazing block | ✓ Broom/Dustpan |
| ✓ SDS Drill | ✓ Garbage can/bags |
| ✓ Levels | ✓ Copy of install guide |
| ✓ Pencil | ✓ Glazing tool |
| ✓ Snips | ✓ Putty knife |

Step A.2 - Disposables Checklist

Please make sure you have all of the required tools listed below before performing the install.

- | | | |
|------------------------|-----------------------------|--------------|
| ✓ Tapcons (concrete) | ✓ Shims | ✓ DOWSIL 995 |
| ✓ Frame install screws | ✓ Glass cleaner | |
| ✓ Caulk/sealant | ✓ Rags/towels | |
| ✓ Lubricant | ✓ Cardboard/moving blankets | |

Step A.3 - Labor Checklist

Please make sure you have the adequate number of installers

- | | |
|---|--|
| ✓ For installations with panels under 8 feet, recommended minimum of 2 installers | ✓ For installations with panels over 8 feet, recommended minimum of 4 installers |
|---|--|

NOTE:

All Interior wood clad veneer products should be properly finished or sealed within 36 hours of delivery or stored in a climate controlled space until it can be properly finished or sealed.

B. Parts / Pieces Included

Below you will find a summary of the parts and pieces that are included with the door system. For a comprehensive checklist please see the packing list included with your order.

Step B.1 - Frame Checklist

- ✓ *Frame pieces (4)*
- ✓ *Frame L brackets (8)*
- ✓ *Setting Blocks (aluminum with rubber top)*

If multi:

- ✓ *Glazing spacer block (3/8")*
- ✓ *Bed Gasket*
- ✓ *Frame screws*

Step B.2 - Glass Checklist (Multi only)

Each system comes with a number of panels allocated in the work order. Each door panel must be installed in the correct sequence, please refer to the installation drawing and panel labeling for the proper selection.

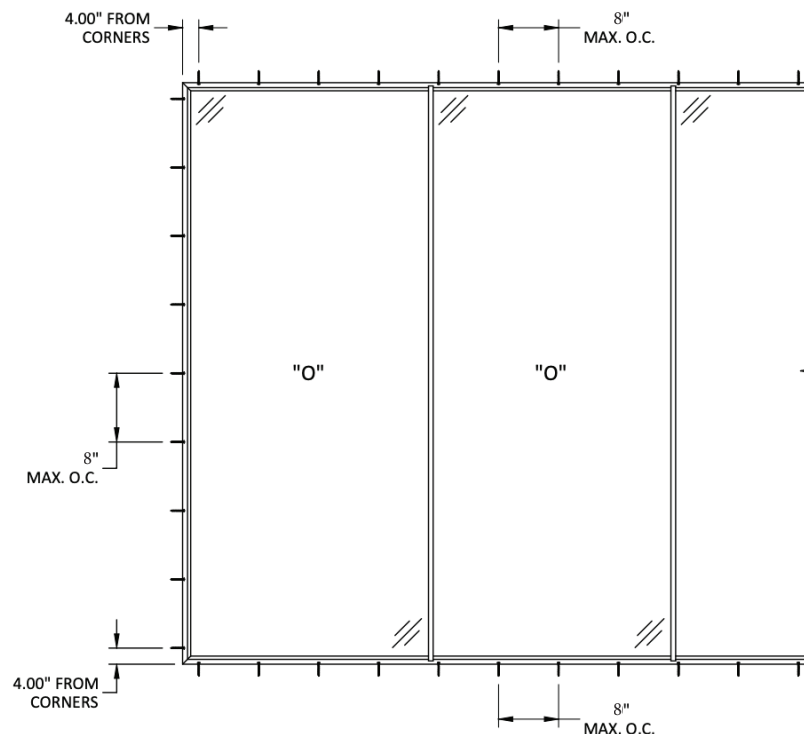
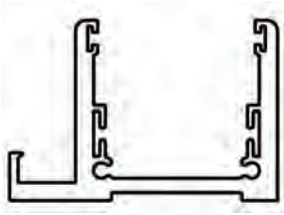


FIGURE B.2: PARTS CHECKLIST



E0001-B
Frame pieces



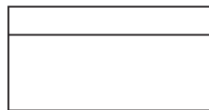
C0019-A
**Bedding Gasket
(Frame)**



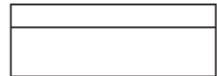
C0023-A
Frame Screws



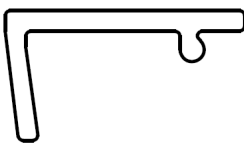
C0194-A
Frame L-brackets



C0017-A & C0335-A
**Assembled Aluminum Set
Block w/ 0.25" Setting Block**



C0016-A & C0017-A
**Assembled 3/8th
Glazing Spacer Block**



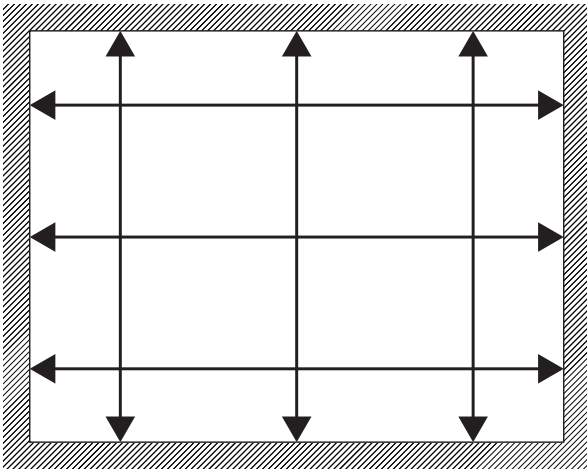
E0114-A
Screw Cover

C. Opening Preparation

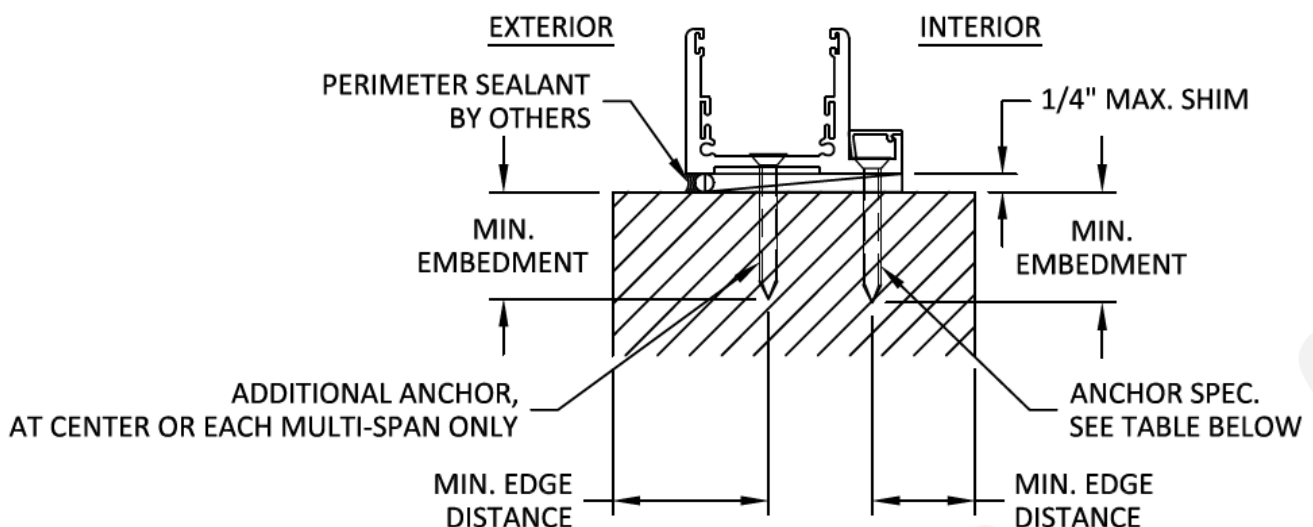
Step C.1 - Measure, Level, Square & Clean

- ✓ Measure opening at least 3 points (see **Figure C.1**) to check for plumb, square and level of the opening
- ✓ Vacuum / sweep opening to be clear of dust / dirt / debris
- ✓ Ensure that there is only a maximum header deflection of 3/16" or less

FIGURE C.1: MEASURING THE OPENING



ANCHOR SCHEDULE			
SUBSTRATE	ANCHOR TYPE	MIN. EMBEDMENT	MIN. EDGE DISTANCE
WOOD: MIN. S.G. = 0.55	#14 WOOD SCREW	1-1/2"	1"
STEEL: MIN. 16 GA. MIN. Fy = 33 ksi	1/4" GRADE 5 SELF-DRILLING/ SELF-TAPPING SCREW	3 THREADS MIN PENETRATION BEYOND METAL	1/2"
ALUMINUM: MIN. 1/8" THICK MIN. 6063-T5			
CONCRETE: MIN. f'c = 3000 psi	1/4" ITW TAPCON	1-3/4"	2-1/2"

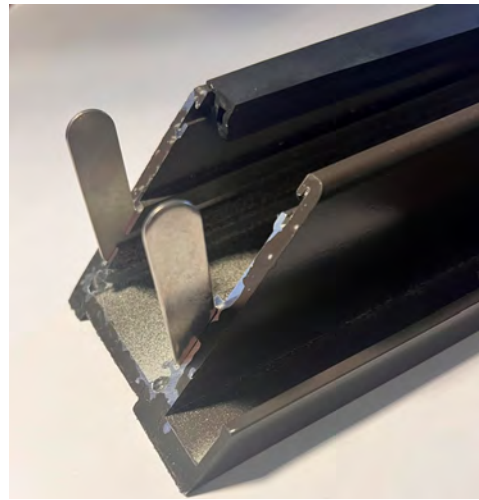


D. Prepare the Frame

Step D.1 - Seal Miters & Insert L-Brackets

Tracing the edges of the frame miters, apply silicone, 795, or 995 to the miter joints to ensure a complete seal.

Next, install the L-brackets into the angled corners of the frame. Ensure they're pushed all the way in.

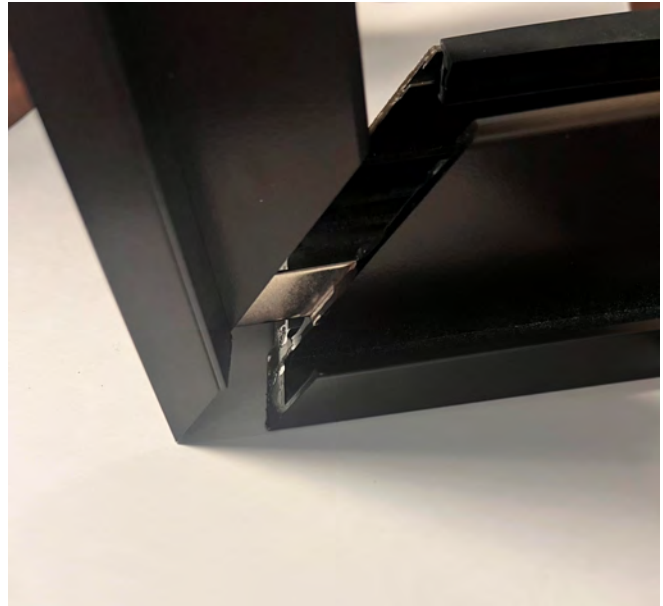


2 L-Brackets Per Corner

E. Assemble Frame

Step E.1 - Join the Frame

Join the frame using the L-brackets for alignment. Double check engagement of the L-Brackets and ensure miters are properly aligned for fit & finish.



NOTE: Use 2 L-brackets per corner.

Step E.2 - Screws

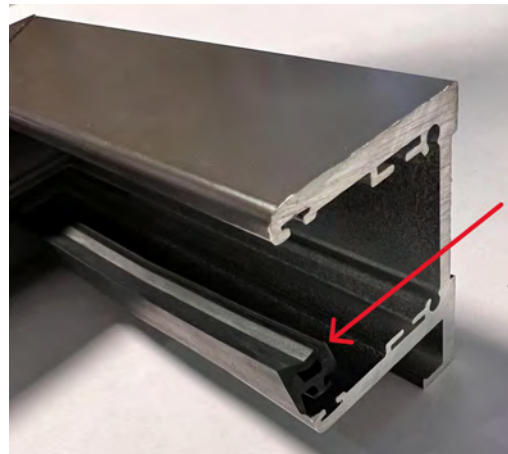
Fasten the frame using the provided frame screws. Ensure good alignment of frame pieces prior to installing frame screws. Failure to align the frame could result in damage to the frame.

Cover screws with silicone to ensure watertight seal.



Step E.3 - Install Bedding Gasket

Insert frame bedding gasket into frame.



F. Dry Fit Frame

Step F.1 - Fit and Tack Frame into Place

Make sure opening is clean and clear of dirt / debris. Move frame into opening verifying opening is large enough. With the frame in position, temporarily tack into place through the jambs. All anchor screw locations on the frame come pre-drilled.

**QR CODE: DRY FIT
FRAME PROCESS**



Step F.2 - Level & Plumb Frame

Check Frame for level and plumb, shim where necessary. It is critical that the Sill be level within 1/16". There should be no bow in the sill at any location. Failure to level the sill will cause your glass panels to sit out of square, causing misalignment of the 3/8" reveal from top to bottom between each glass panel. ***Tip*** - you may need to shim the glass panels to achieve a consistent 3/8" reveal between panels.



Step F.3 - Pre-Drill Opening Substrate

Once the frame is shimmed and leveled, prepare the substrate by drilling through all frame anchor screw locations into the opening substrate where necessary. The type of drill bit used will vary depending on the substrate. Remove frame and vacuum / sweep clean debris.



G. Install the Frame

Step G.1 - Sealing Sill Track Opening

Make sure opening is clean of all dirt and debris. Seal sill opening location with DOW 795 or 100% silicone. Place frame into opening and embed entire sill into the sealant.



QR CODE:
SEALING THE SILL OPENING

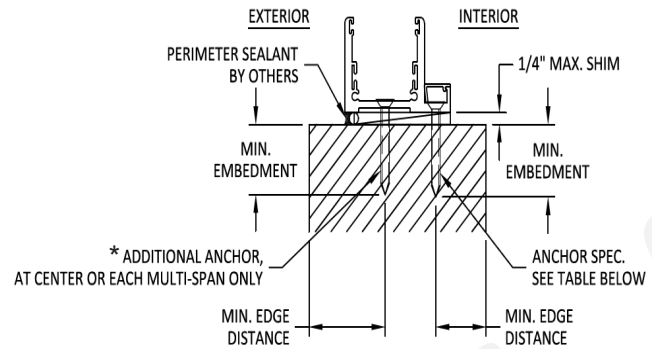


NOTE: All frame anchor screw locations are pre-drilled

Step G.2 - Securing the Sill

Position frame so that the jamb is plumb and level with adequate space for shimming and then tack into place with screws. Repeat for the second jamb. Proceed to securing the sill. Level the sill placing shims at least at every other pre-drilled anchor screw location and anywhere else shimming is needed. **Make sure to use hex head anchor screws only when securing the sill.**

***Center Anchor Installation (Multi-Unit Systems Only):** Identify the Center Point of the Multi-Unit frame or track section. Drill Anchor Hole, install the approved anchor fastener- C.1, providing additional structural integrity to the Multi-Unit section.



Step G.3 - Securing the Jambs

Re-check jambs for level and plumb and secure jamb into place with screws. Do not over tighten screws as this could cause the frame to bow. After screwing the jambs securely into the opening, check again for level and plumb.



Step G.4 - Securing the Header

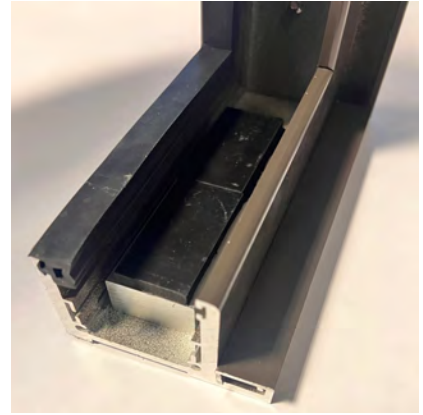
Starting at either of the jambs, shim and secure the header into place proceeding down the entire length of the header checking for level with a two foot level. Take care not to over tighten screws. After header is secured, re-verify level with a four foot level across the entire length of the header.



H. Install Glass

Step H.1 - Install Setting Blocks

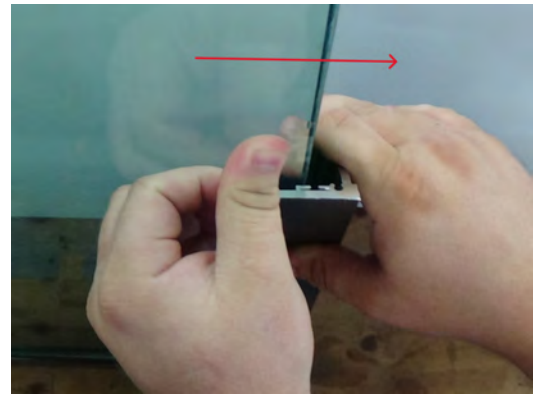
Install aluminum setting blocks into the bottom rail of the frame, using (installed) double-sided tape. There should be one at each quarter point of the glass width, and one in the center for a total of 3 per section.



Step H.2 - Install Glass Piece #1

Tip - Before installing the glass, ensure that all edges are free of debris and cleaned. This will provide good adhesion surface for the sealant.

Starting from one side of the unit, place the first section of glass in the frame from the exterior side. Once your end panels of glass are installed, (multi-units) you will need to slide your end/jamb panels of glass all the way into the aluminum jamb to make enough room for the middle panels of glass to be installed.



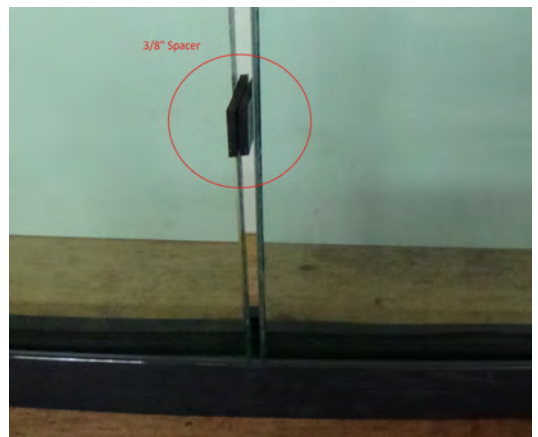
Step H.3 - Install Remaining Panels

Install the remaining glass pieces, being careful to match the glass order with the drawing. Initially, butt the glass as close to the previous piece as possible, leaving no gap.



Step H.4 - Spacing the Glass

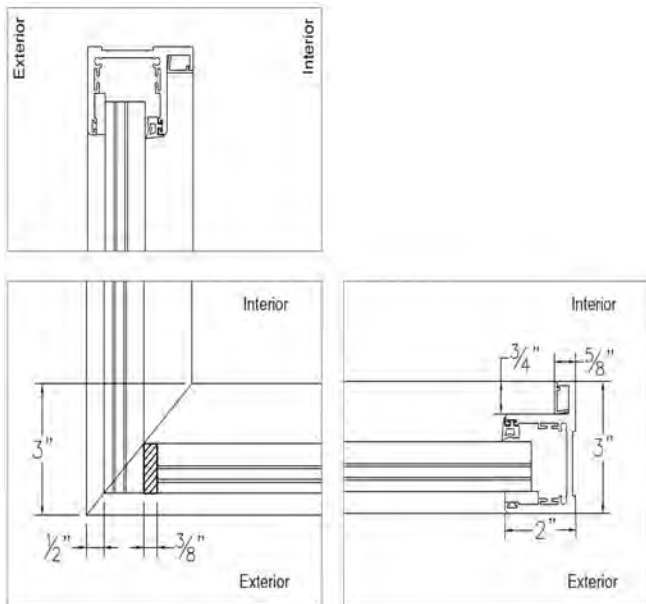
Once the last piece of glass is in the frame, begin shifting the glass to its final position. Use the 3/8" spacer to ensure proper spacing between glass sections.



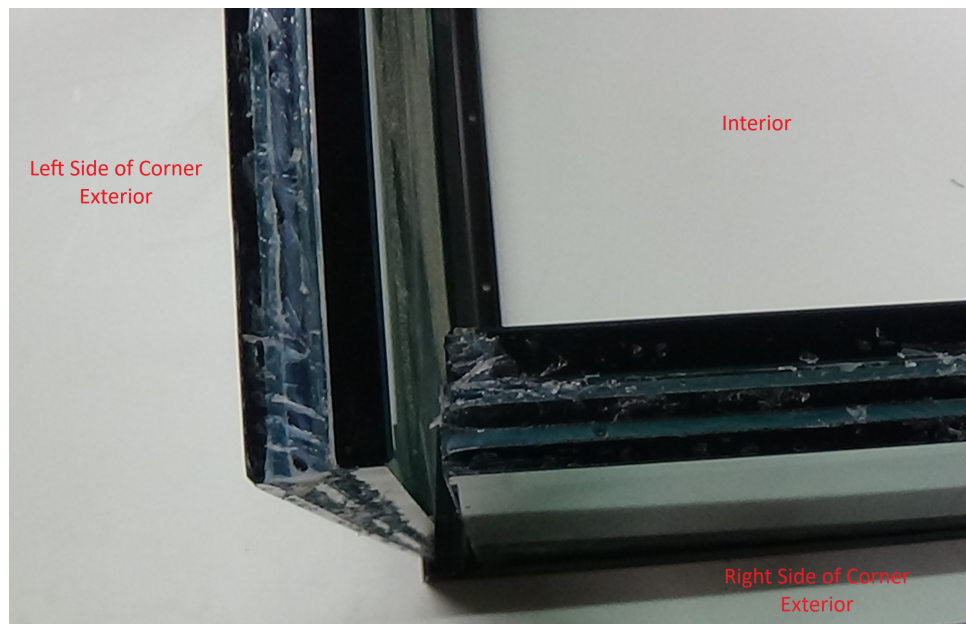
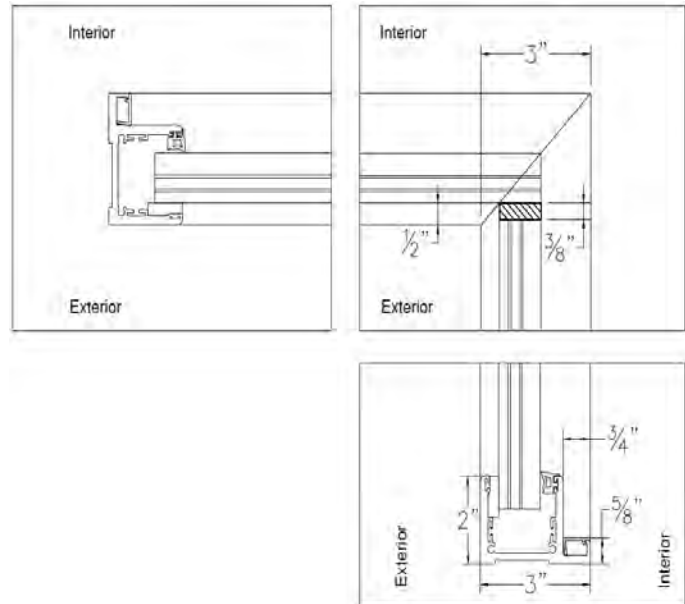
Step H.5 - Aligning Corner Connection Glass

If you are installing a corner unit, ensure that the glass piece on the left side of the corner connection (from outside looking in) overlaps the glass edge of the piece on the right side of the corner. Use the same 3/8" spacer between the face of the left side glass and the edge of the right side glass. Refer to the images below for corner glass layout.

Out Corner:



In Corner:



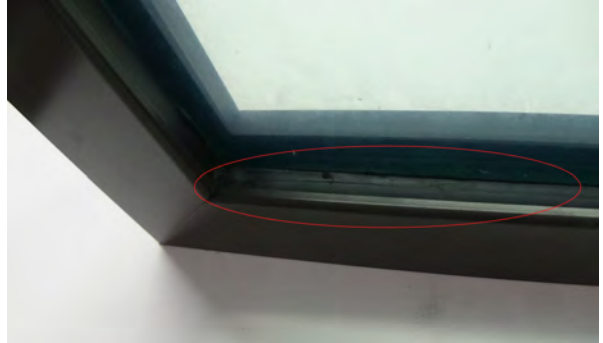
Step H.6 - *VERIFY GLASS POSITION & SPACING*

Double check the glass is in the correct location and it is spaced correctly. Also check for any glass or frame defects which may result in an immediate warranty claim. ***Failure to do so may result in critical mistakes and starting the installation from scratch. In extreme cases, the unit may need to be fully ordered at the cost of the installer. Any unit installed beyond this step will not be accepted for warranty claims or reconfigurations, barring extreme cases.***

I. Glazing the Unit

Step I.1 - Glazing the System

Using DOWSIL 995, begin glazing the system, starting with the sill, and working your way around the system. To prevent sagging and assist with cleanup, it is best to leave a 1/2" gap between the edge of the frame and where the sealant finishes up to, which will allow the sealant to skin over and settle before the finished layer is applied.



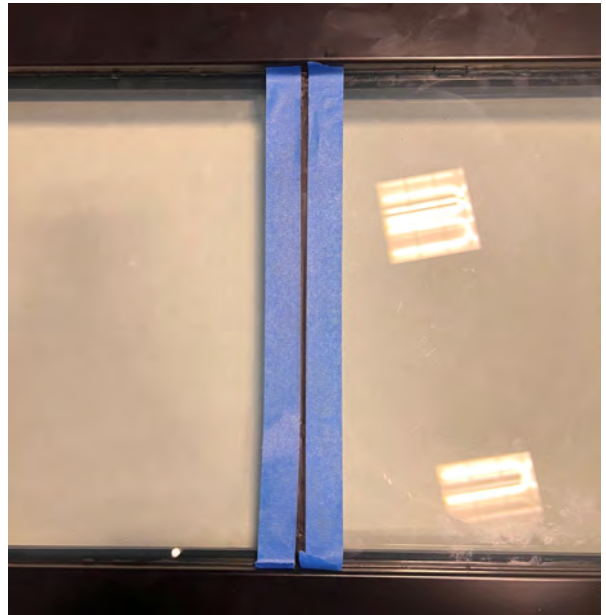
Step I.2 - Taping the Glass

Remove any 3/8" spacers, and tape the edges of the glass using painters tape. This will ensure the final fit and finish for the glazing compound.

Tip - tape each glass interior and exterior and leave a 1/16" edge from glass to tape.

Step I.3 - Glazing the Glass-Meets

Using DOWSIL 995, fill the 3/8" airspace between the glass, until the 995 is just proud of the glass. Use a glazing tool or putty knife to smooth the surface of the 995 flush with the glass, then remove the tape for a crisp line.



Step I.4 - Removing Interior Tape

Remove the interior line of tape, and "touch up" or smooth the line of sealant as needed.

Step I.5 - Removing All Tape

Once the sealant skins over (minimum of 30 minutes, longer in low humidity or colder weather (less than 70 degrees F)), remove the remaining tape and touch the unit up as necessary.

J. Finishing Touches

Step J.1 - Installing Anchor/Screw Covers

Once your unit has been inspected, install the screw or anchor covers to the interior of the system. Begin with the head and sill, and finish with the jambs.



K. Maintenance & Care

Protective Film

Remove all protective film from frames and any other metal extrusion within 30 days of job delivery. Failure to do so could cause finish damage voiding the product warranty.

Frame Surfaces

Wipe all contaminants from frame surfaces with a damp cloth and mild detergent, clean surfaces with clean soft cloth. Apply thin film for systems installed in severe environments by wiping surfaces of track with anti-corrosive substance, such as, T-9, CRC Marine 66®, Innox® or CorrosionX®.

Frequency

Regular maintenance is required for all hardware, even stainless steel, to keep manufacturer's warranty in place. Failure to provide proof of maintenance will void any warranty. Carry out maintenance procedures with the following minimum recommendations:

- General environments - every 3 months
- Marine, industrial environments, within 5 miles of a body of water and / or a pool area - every month.
- Boeshield T-9 re-application: every 6 months for general environment, and up to every 3 months for marine/industrial environments, or within 5 miles of a body of water and/or a pool area.

NOTE: Maintenance is required to extend the life of your window system and to maintain the Euro-Wall Warranty