Haven Exterior Glass Wall / HVN

Installation Instructions   Questions? Give us a call! 800-543-0550

NOTE: Immediately after delivery, carefully open cartons and inspect for concealed damage. Save cartons and packing materials. If concealed damage is found, notify the carrier immediately to request an inspection. Failure to report shipping damage in a timely manner will result in the denial of a damage claim. Return unit in the original packaging to protect the product.
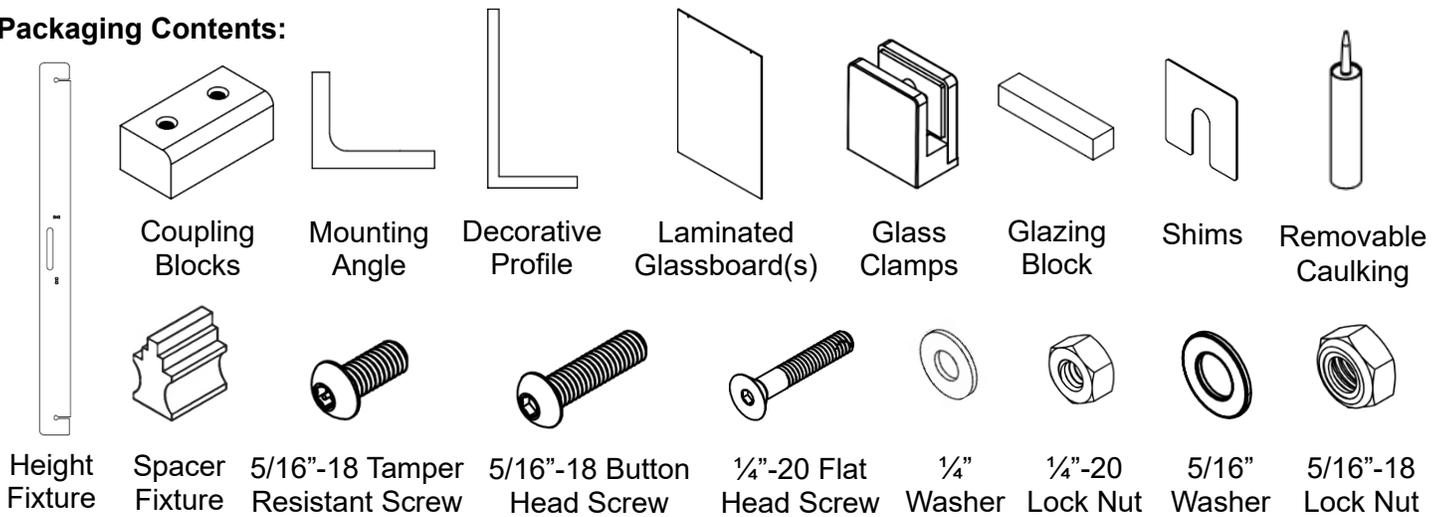
NOTE: Wall attachment fasteners are not provided. Work with your GC or other qualified personnel to select appropriate 5/16"Ø fasteners for your wall construction. Confirm the wall can support the glass weight, or add reinforcement as needed.

NOTE: Failure to follow install instructions will void warranty. Refer to www.ghent.com/warranties for additional details.
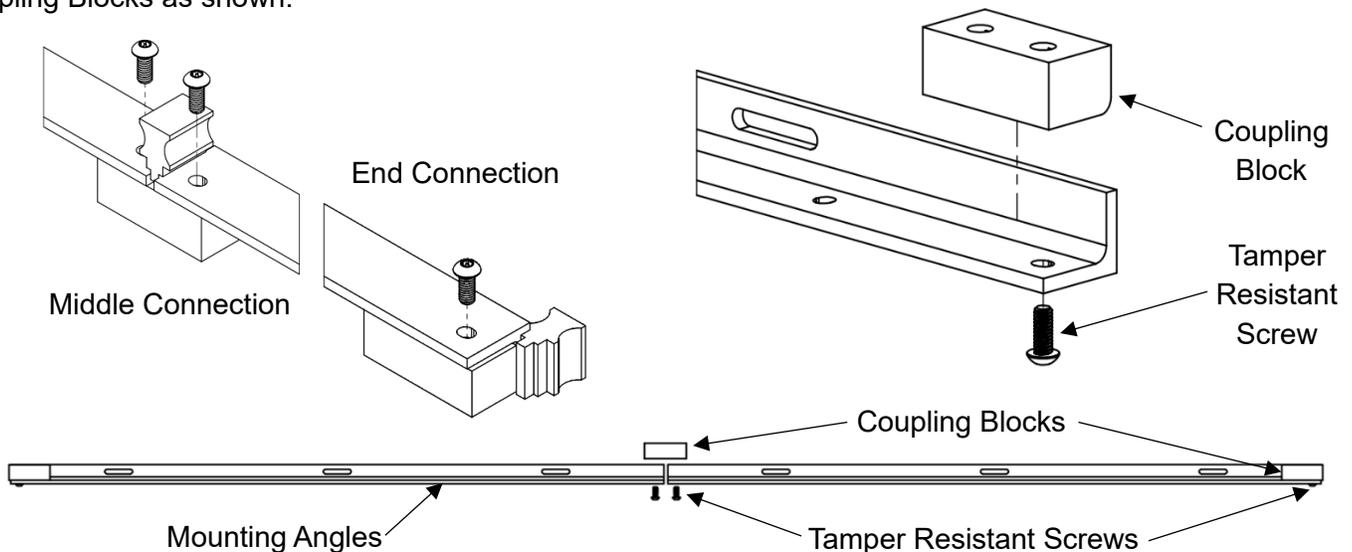
Tools Needed:
- Tape measure
- Hammer Drill
- Pencil/Marker
- Glass Suction Cups
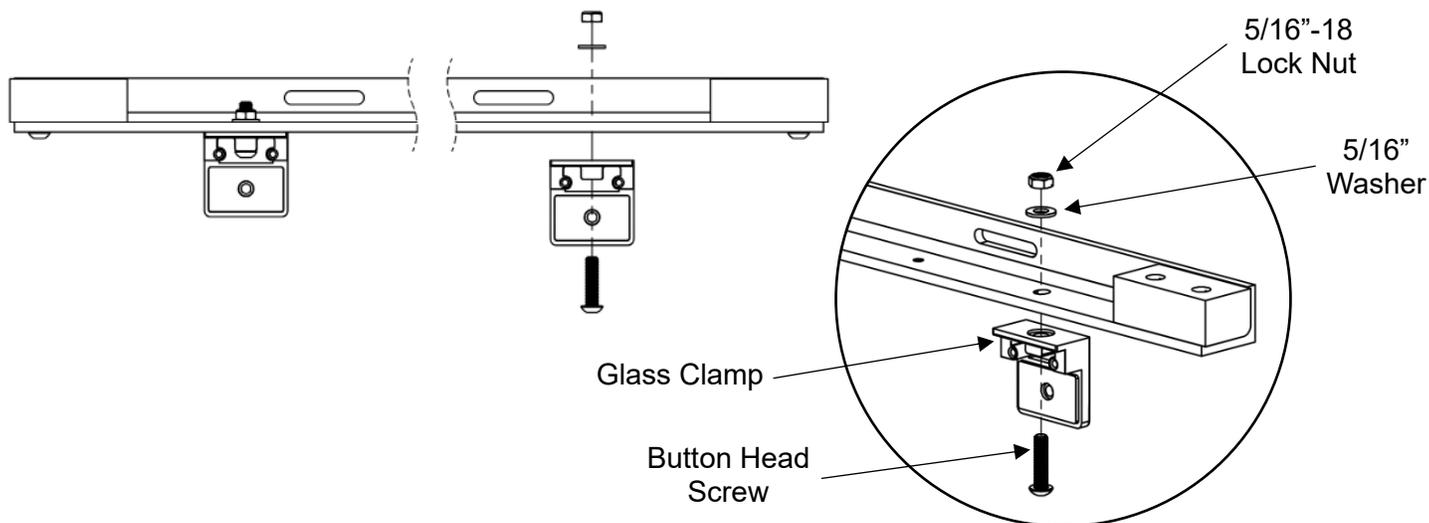- ½" Drive Ratchet
- 6' Level (optional)

Packaging Contents:

| Coupling Blocks | Mounting Angle | Decorative Profile | Laminated Glassboard(s) | Glass Clamps | Glazing Block | Shims | Removable Caulking |

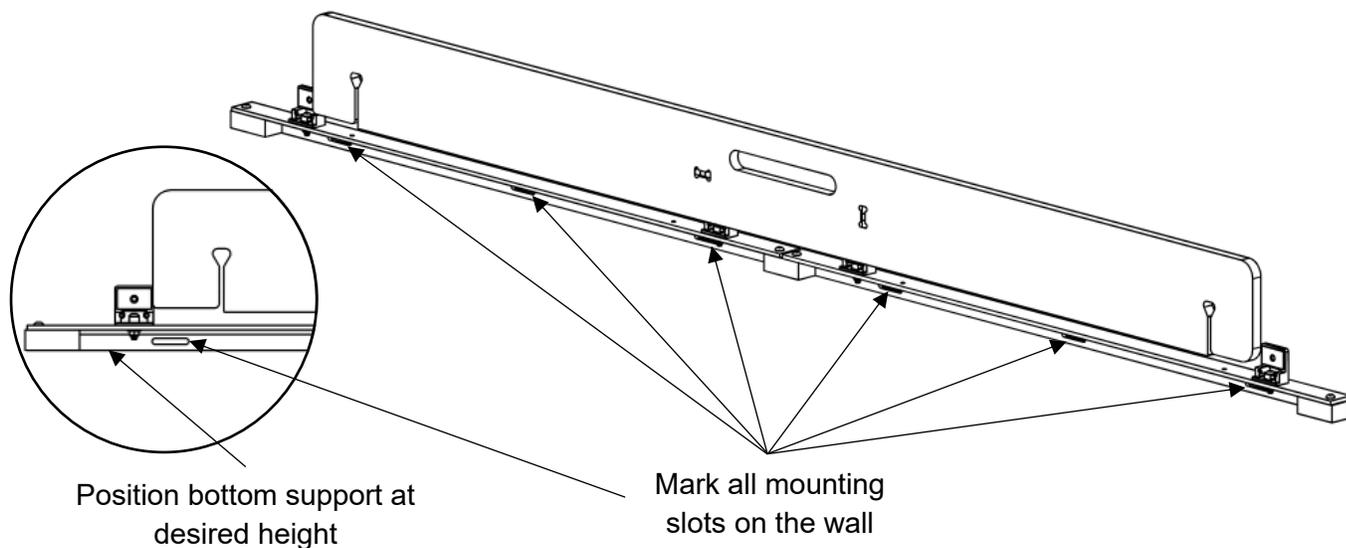| Height Fixture | Spacer Fixture | 5/16"-18 Tamper Resistant Screw | 5/16"-18 Button Head Screw | ¼"-20 Flat Head Screw | ¼" Washer | ¼"-20 Lock Nut | 5/16" Washer | 5/16"-18 Lock Nut |

Step 1: Using the Spacer Fixture, assemble two sets of Mounting Angles and Coupling Blocks to span the width of the product. Fasten together with Tamper Resistant Screws and capture the ends with additional Coupling Blocks as shown.
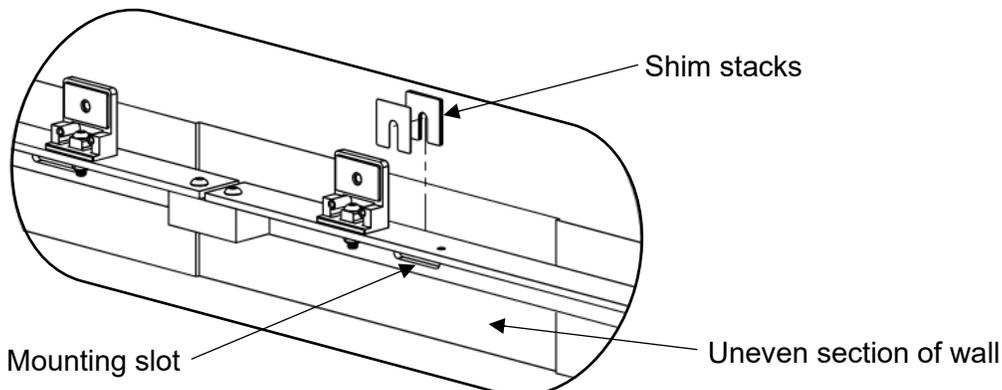

Middle Connection

End Connection

Coupling Block

Tamper Resistant Screw

Coupling Blocks

Mounting Angles

Tamper Resistant Screws

Step 2: Open the Glass Clamps and set aside the front half and internal screws. Install the base of each Glass Clamp using a ½" ratchet and 3/16" Allen Wrench.

5/16"-18 Lock Nut

5/16" Washer

Glass Clamp

Button Head Screw

Step 3: Place one set of Mounting Angles against the wall as shown. Lower to an appropriate position to use as the bottom support. Level horizontally using the Height Fixture and mark all mounting slots onto the wall.

Position bottom support at desired height

Mark all mounting slots on the wall

Step 4: Stack shims where needed to fill gaps behind the mounting slots. Tape shim stacks together and mark their corresponding locations on the Mounting Angles.

Shim stacks
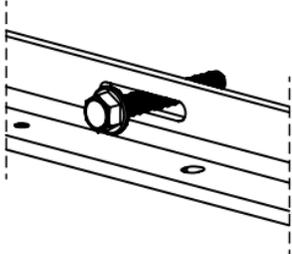
Mounting slot

Uneven section of wall

Step 5: Secure the lower Mounting Angles using 5/16"Ø fasteners appropriate for the specific wall construction. Ensure fasteners are attached at points of greatest strength.
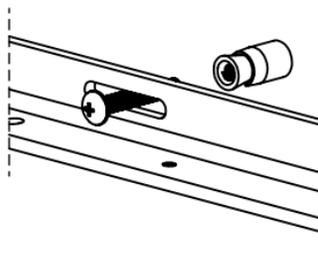
Note: Follow manufacturer instructions for fastener installation. Use appropriate hammer drill bits where needed.

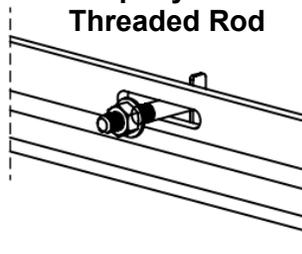*Hardware examples shown below are for reference only. Select appropriate faster type after reviewing wall.*
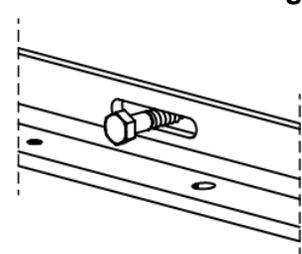
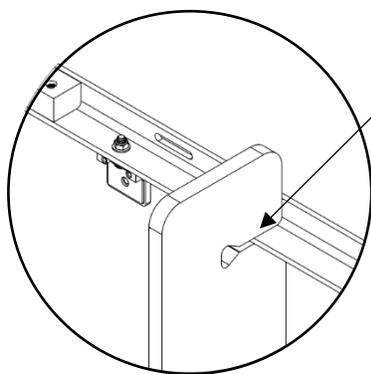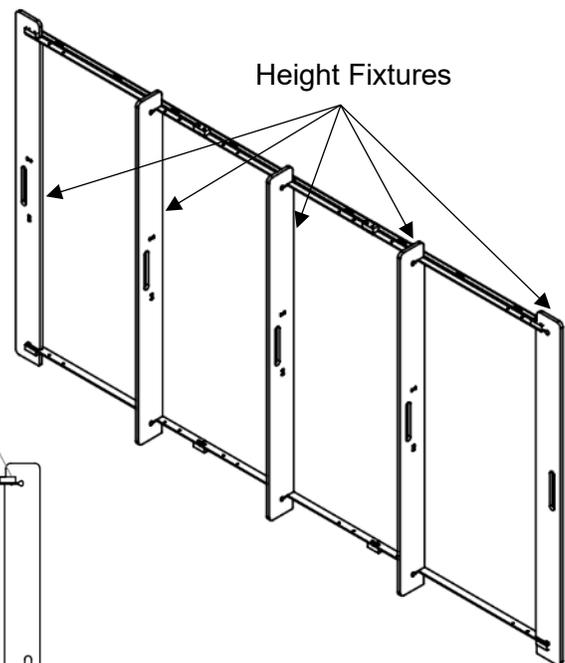| **5/16"Ø Self- Tapping Concrete Anchors**	**5/16"Ø Threaded Anchor and Screw**	**5/16"Ø Toggle Bolts or Epoxy Fixed Threaded Rod**	**5/16"Ø Lag bolts with Wood Blocking**

Step 6: Use Height Fixtures to space both sets of Mounting Angles by **74"** between inside, opposing faces. Check for a squareness of 162-1/16" between outside edges of angles.
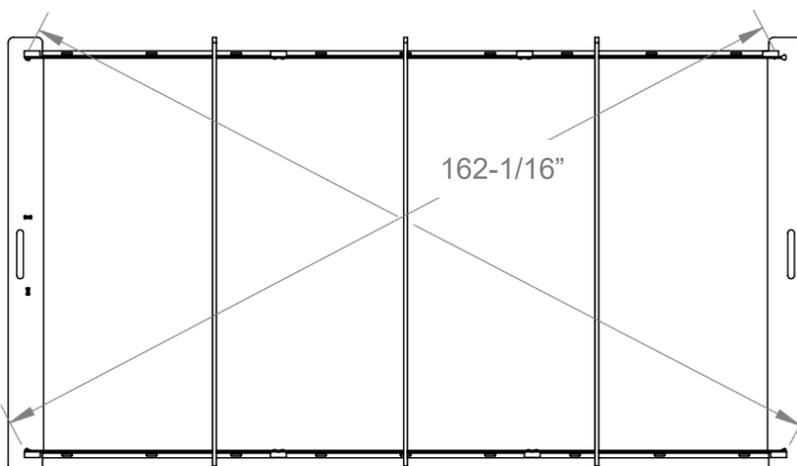
Repeat steps 4 and 5 for upper Mounting Angles.
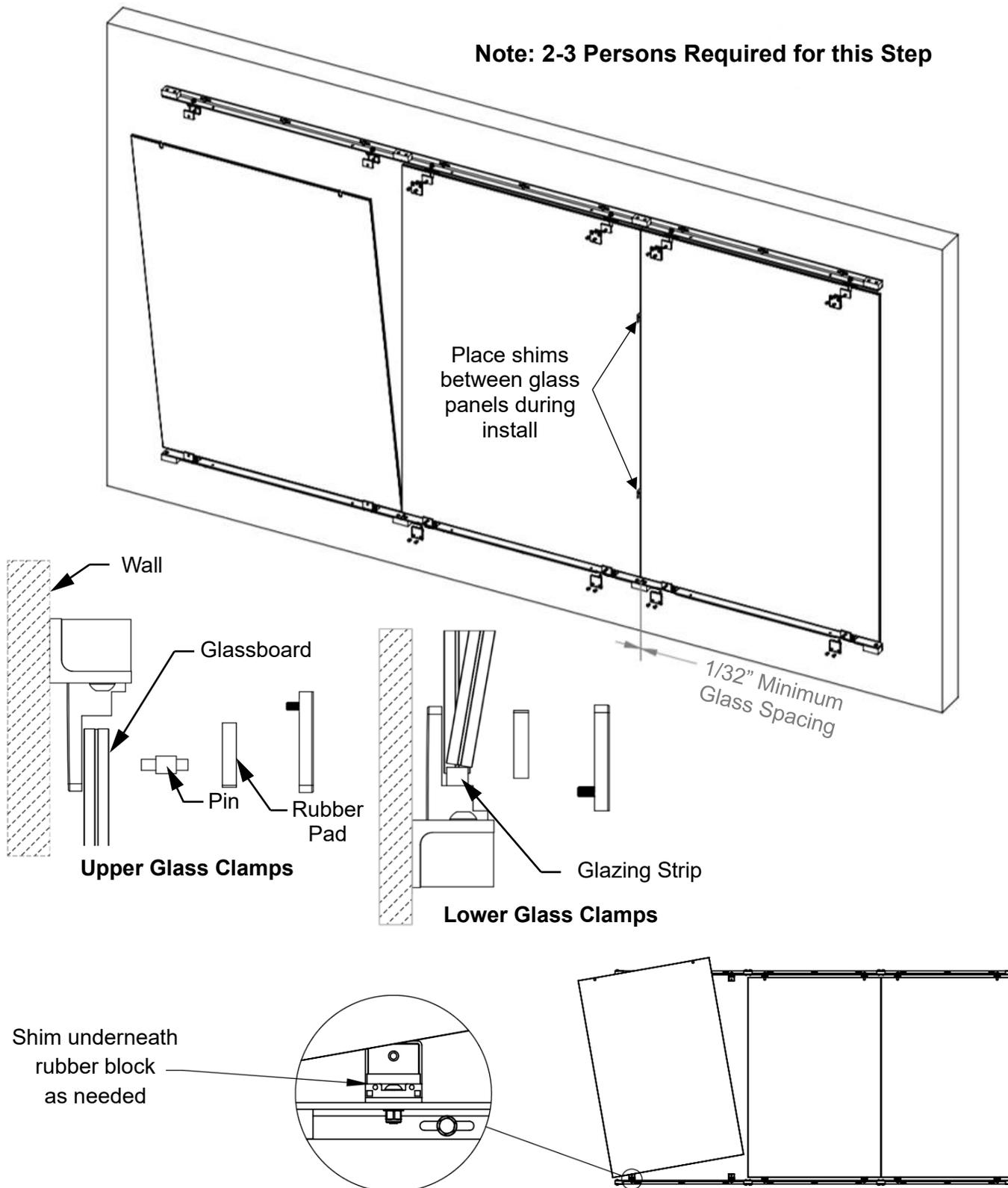
Clip onto Mounting Angles
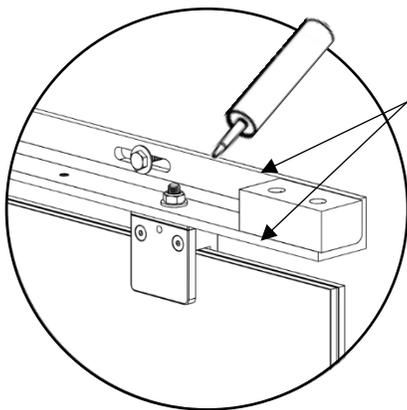
Height Fixtures

162-1/16"

Step 7: Place rubber Glazing Blocks onto all lower Glass Clamps. Use suction cups to install Glassboards carefully onto each pair of Glazing Blocks. Ensure the glass cutouts are positioned along the top edge.

While holding the Glassboard, place pins through the top cutouts and assemble the Glass Clamps. Shim under the Glazing Blocks as needed to ensure squareness. And add shims between Glassboards for even spacing.
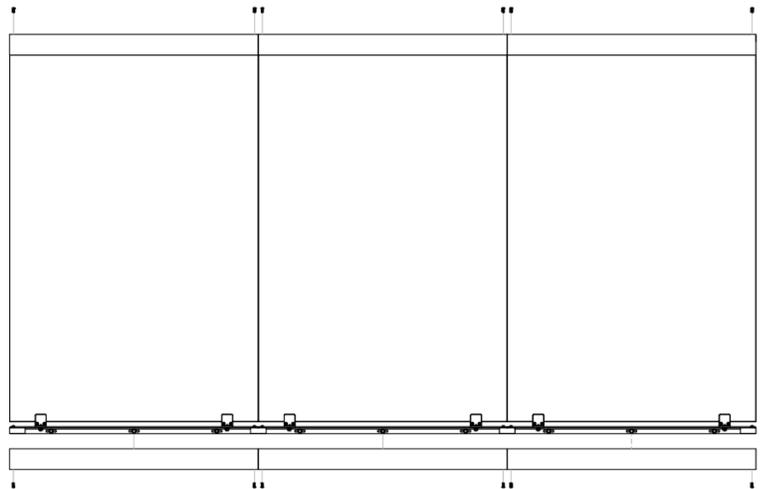
Note: 2-3 Persons Required for this Step

Place shims between glass panels during install

1/32" Minimum Glass Spacing

Wall

Glassboard

Pin

Rubber Pad

Upper Glass Clamps

Glazing Strip

Lower Glass Clamps

Shim underneath rubber block as needed

Step 8: Apply Removable Caulk along the Mounting Angles as shown. Then attach the Decorative Profiles with Tamper Resistant Screws.
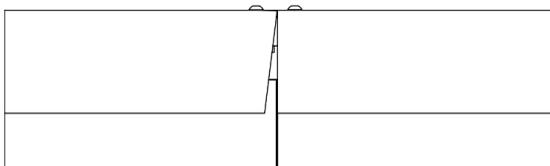
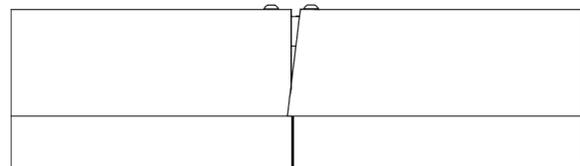Apply caulking on flat edges of Mounting Angles

(Optional) Step 9: Use ¼"-20 Flat Head Screws to torsion Decorative Profiles if there exists misalignment between profiles. Follow cases below as needed.

Be aware that the Flat Head screw may need to be positioned either outside or inside the Decorative Angles for the proper adjustment.
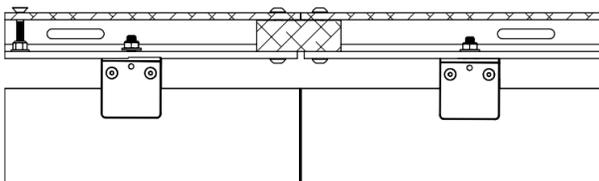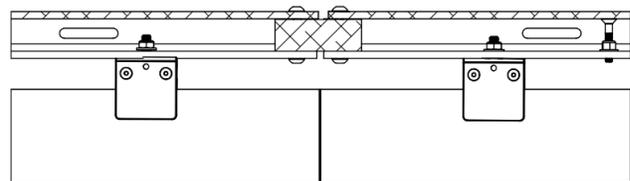
Case 1:

Case 2:

Tighten Screw from Outside

Loosen Screw from Inside

Finished Result

Step 10: Recycle all packaging in accordance with local regulations.