

VistaSlim 152S Lift and Slide Doors Installation Instructions



VistaSlim Lift & Slide Doors-152S

Please read before you start the installation

Preparing the Building Envelope for Installation

The building envelope must be properly prepared with weather-resistant barriers that comply with local and state regulations. It is essential that all frame and sill surfaces are adequately prepared for air, water, and structural integrity by the builder or contractor prior to installation.

Installation Recommendations

- *We advise hiring a skilled installer or someone who has received training as a Win-Gate certified installer.*
- *Please read these instructions thoroughly from start to finish before beginning the installation process.*
- *Check with your local code official to ensure compliance with local building code requirements.*

Important Note: Win-Gate does not assume responsibility for site measurements or the structural and architectural requirements necessary for window installation. The unique design, construction methods, building materials, and site conditions associated with your project may necessitate approaches that differ from those outlined in these instructions.



VistaSlim 152S Lift & Slide Doors

Remove Packaging

- Begin by opening the wooden crates according to the instructions provided on the outside: start with the top cover and then proceed to the indicated side.
- You may require a pry bar to assist in opening the crate or a drill to remove the fasteners.

Ensure you use safe lifting techniques and enlist a sufficient number of people who have the strength to lift and carry the door panels, in order to prevent injury and/or damage to the product.

Inspect Door

Each door will feature an identification label that displays the item number, description, sizes, and other details to ensure proper installation placement.

Visible Damage

Remove the packaging material from the frame and inspect it for any damage or glass breakage that may have occurred during manufacturing or shipping.

Correct Product

Verify that the product aligns with the shop drawings and the requested specifications, including size, color, grid pattern, handing, glazing, and energy efficiency requirements, among others.

WARNING

Windows and doors can be heavy, when opening the crates, be careful with the windows or doors falling toward the installer and cause injury and/or product damage.

OPERATION GUIDANCE

**Open from the top,
Then this side!**

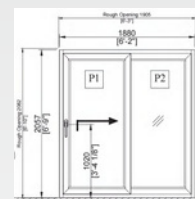
OPERATION GUIDANCE
 1. Please follow the arrow about how to open the top cover first.
 2. Then open the indicated side.

Customer Name: (Pty)		Packing List				
Product Name	Units and Windows	Product ID	Quantity	Specification & Options	Volume (m³)	Gross Weight (kg)
C3	CTN001	001-1	1			
		001-2	1			
		001-3	1			
		001-4	1			
		001-5	1			
		001-6	1			



Sample Product Shipping Label

High Energy Efficiency Series



With this code, you can easily get replacement parts even years after purchase, check warranty status, and track maintenance, ensuring your windows stay secure and durable.

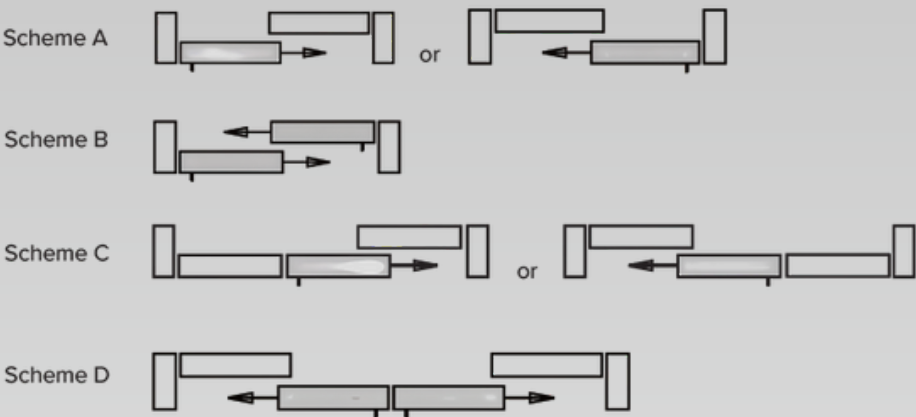
Traceability Code: 2025-1066

D5-P1

Project / Client: **Tyler**
 Location: **Rear Patio Dpor**
 Quantity: **1**
 Specification: **1880mm × 2057mm**
 Installation: **Drill Through**
 Origin: **Made in China**



Scheme Options



*For more Schemes, please contact your representative for further details.

Needed Materials

10 x 1 1/2" flat head or washer head (stainless steel recommended) screws are needed to go through the metal clips or through the frame to the rough framing. Fasteners must penetrate at least 1" into framing (or as required by local code).

For masonry or concrete wall, you will need to use masonry screws.

For installing fasteners through nailing flanges, installation clips, Head, Side Jambs and Sill.

FASTENER SCHEDULE		
Building Materials	Minimum Fastener Size	Minimum Embedment
Wood Frame	#10 Wood Screws	1 1/2"
Concrete/Masonry	3/16" Masonry Screw	1 1/4"
Steel Frame	#10 Self-tapping Screw	3Threads
*1 3/4" Roofing nails can be used for fastening through installation flanges into wood frame construction.		

Interior and exterior window/door grade sealant
Polyurethane low expansion foam
Non-compressible or non-water degradable shims/plastic shims
Self-adhered flashing tape (Minimum 6" wide)

NOTE

All installation materials must be provided by the installers. They are responsible for ensuring the quality of the materials and must adhere to the manufacturer's installation guidelines. This fastener schedule serves as a reference for fastening requirements, which may differ based on the product, type of building, application, and geographical location.

WARNING

Failure to use appropriate materials for the installation may cause a failure resulting in injury, property or product damage.

Required Tools



Hammer



Utility Knife



Tape Measure



J-Roller



Suction Cups



Sealant Gun



Caulking Gun



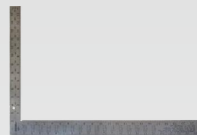
Pry Bar



Drill with Bits



Level



Framer's Square



Air Wedge



Laser Level

WARNING

Follow manufacturers' instructions for hand or power tools. Always wear safety glasses. Failure to do so may result in injury and/or product damage.

CAUTION: Handle glass with care. Broken or damaged glass can cause serious injury.

**IF INJURY OCCURS, IMMEDIATELY
SEEK MEDICAL ATTENTION!**

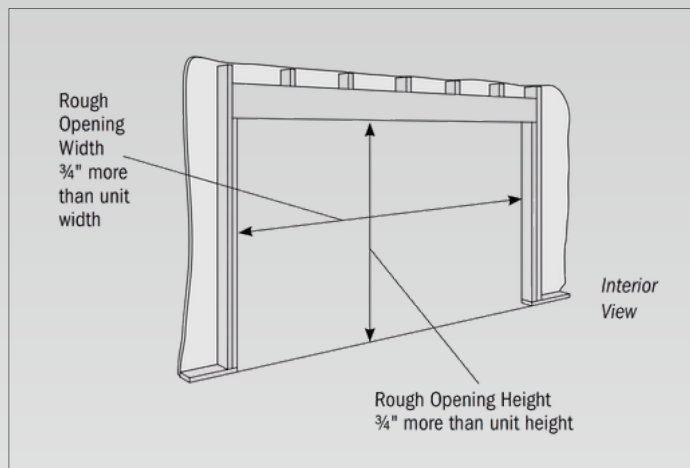
Step 1: Verify Rough Opening

Before proceeding with the installation, ensure that the rough opening sizes are accurate. Typically, the rough opening (RO) dimensions should be $\frac{3}{4}$ " to 1" wider and taller than the actual sizes of the window or door (measured from frame to frame). These specifications can be found in the approved shop drawings and project documents.

NOTE

Header Requirements

- The header must be level and free from sagging.
- After the roof load is applied, the deflection should not exceed $\frac{1}{8}$ " across the entire opening width.



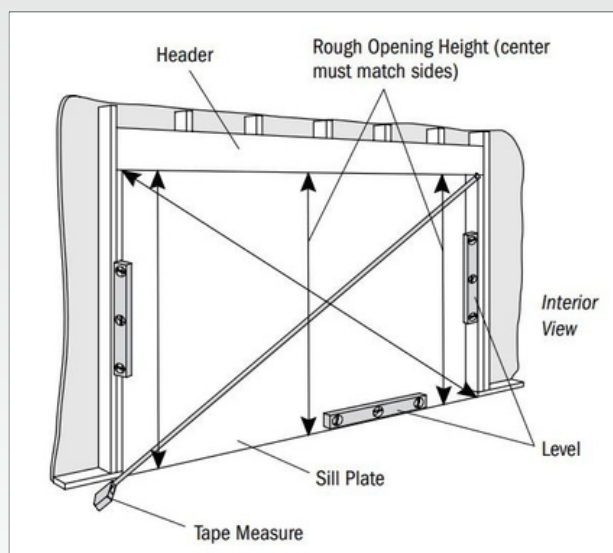
Guidelines for Checking Sill Plate and Rough Opening

- Verify the Sill Plate: Use a laser level to ensure that the sill plate is both level and flat. If necessary, add shims to achieve this.
- Check the Header: Confirm that the header is level.
- Measure the Rough Opening Height: Measure the height at both sides and the center – all measurements must be consistent.
- Assess for Square: To check if the rough opening is square, measure diagonally from the upper left to the lower right and from the upper right to the lower left corners.
 - If the measurements differ by no more than $\frac{1}{8}$ ", the opening is considered square.
 - If it's not square, make the necessary adjustments.

WARNING

Rough Opening Requirements for Optimal Product Performance

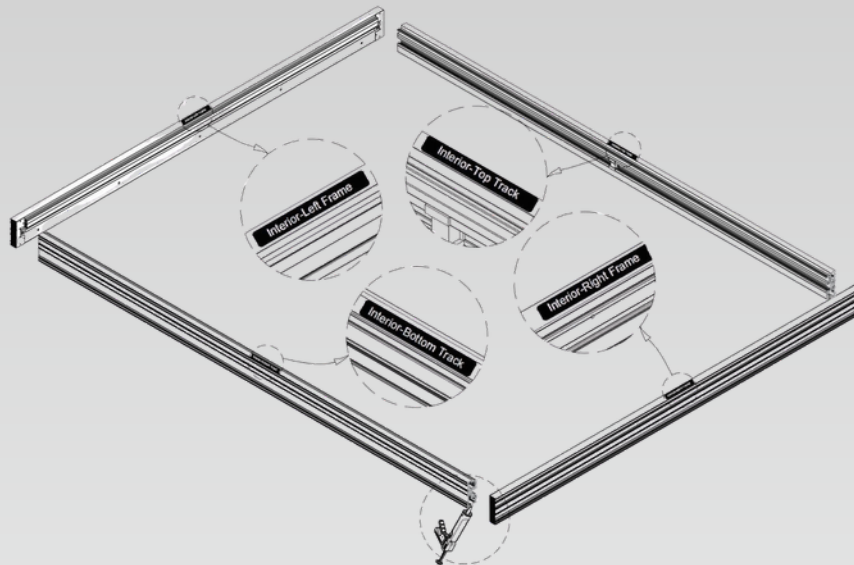
- Ensure that the rough opening is both level and square.
- Neglecting to achieve a level and square rough opening will negatively impact product performance.
- If the rough opening is not plumb or level, please make the necessary adjustments.



Step 2: Assemble Frame

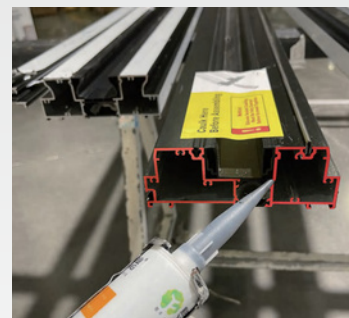
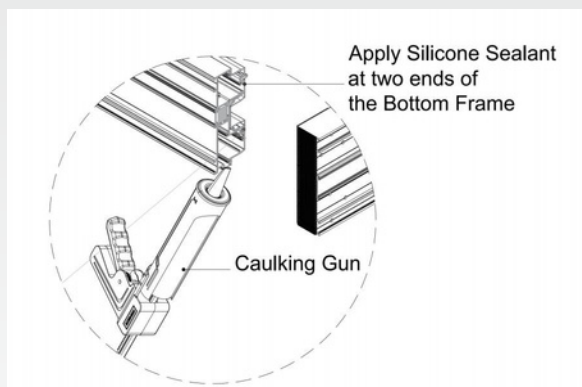
The door frame arrives in four separate pieces that will be assembled on-site. Open the packages to locate the Bottom Track, Top Track, and Right and Left Frame/Jambs, all of which are clearly labeled for easy identification.

Place the frames on the clean floor like below shows:



Apply silicon sealant at two ends of the Bottom Frame (along the Red Line) before assembling. This is to prevent the leakage from two end joints/corners.

Very Important!



Bottom Frame to Side Jamb Connection

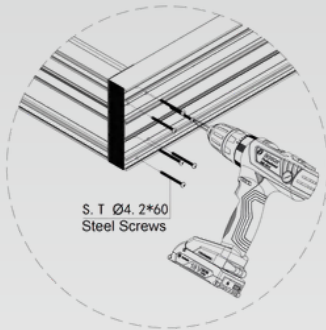
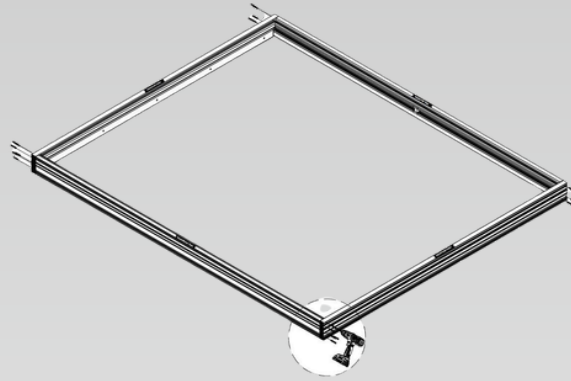
NOTE

Apply silicone sealant on two ends of the Bottom Frame before connect it to the Side Jamb. Failure to do so may cause leakage from the corners.

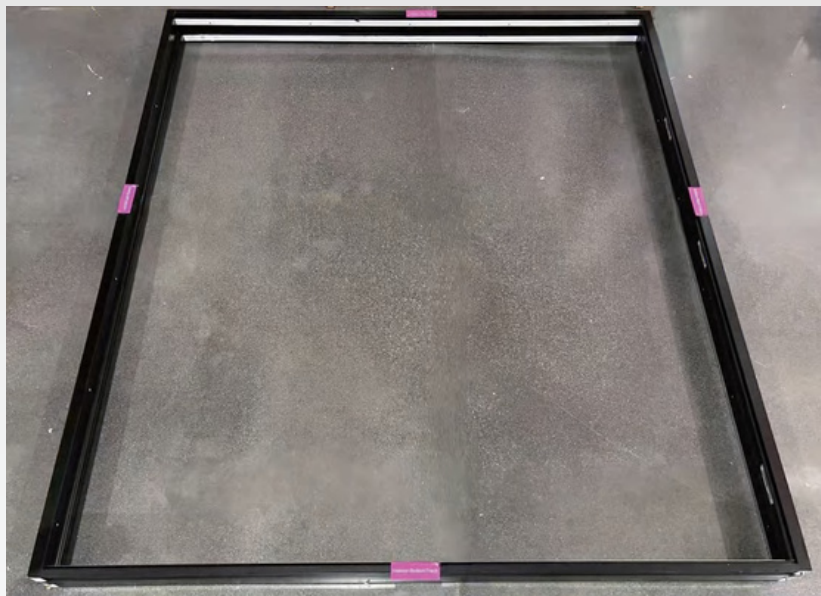
Assemble the Frame carefully, ensuring that the screws (factory-supplied 4.2 x 60mm / #8 x 2-3/8" pan head self-tapping screws) are inserted straight. Confirm that the Frame is square and not twisted.

NOTE

When assembling the frame, make sure the frame is square and plumb.
If not, correct as necessary.



Screw through the pre-drilled holes



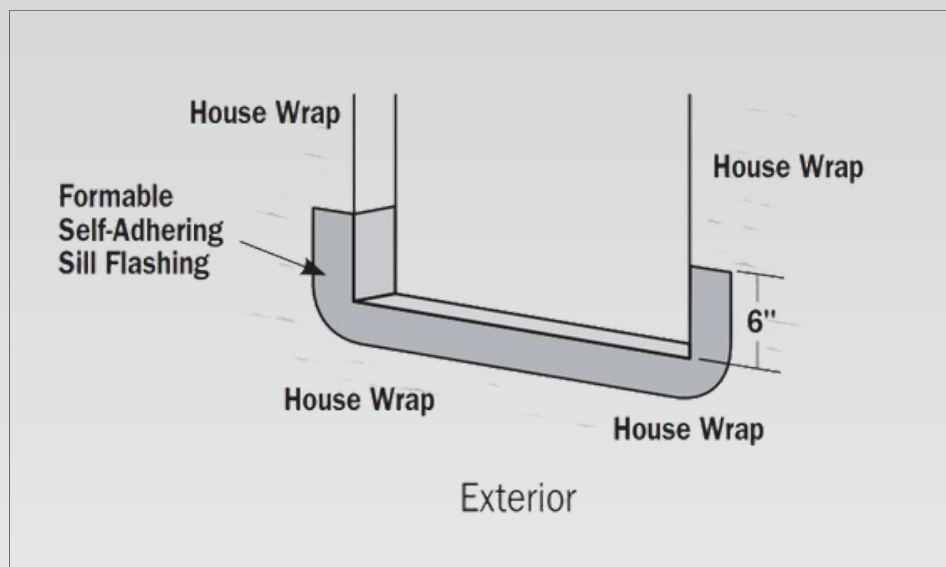
Frame assembled ready

Step 3: Apply Sill Flashing or Sill Pan According to the Local Code

Apply the self-adhering formable sill flashing into the opening, extending over the sill and up both jambs for 6 inches, all in a single continuous piece as illustrated. Use a J-roller to smooth out any bubbles or creases.

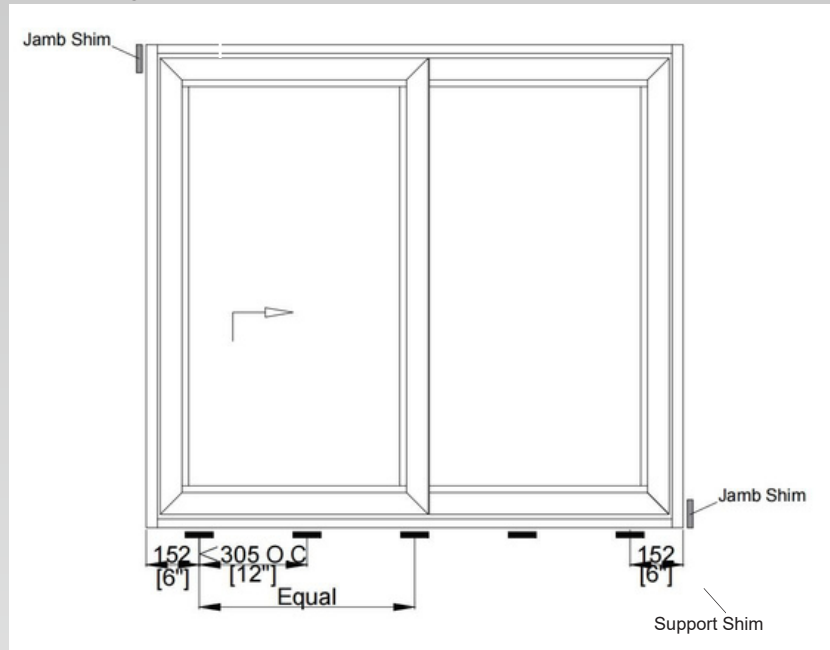
NOTE

Flashing or Sill Pans must be used in every installation of a Win-Gate Lift & Slide Door System. Rigid sill pans and liquid flashing are permissible as long as they are installed according to the manufacturer's guidelines. Any sill pan or flashing material must be provided by the installer and should be installed in accordance with the manufacturer's specifications and relevant local codes.



Step 4: Install the Door Frame

Set the Shims over the Flashing.



Where to put support shims and jamb shims

Two Jamb Shims in a Diagonal

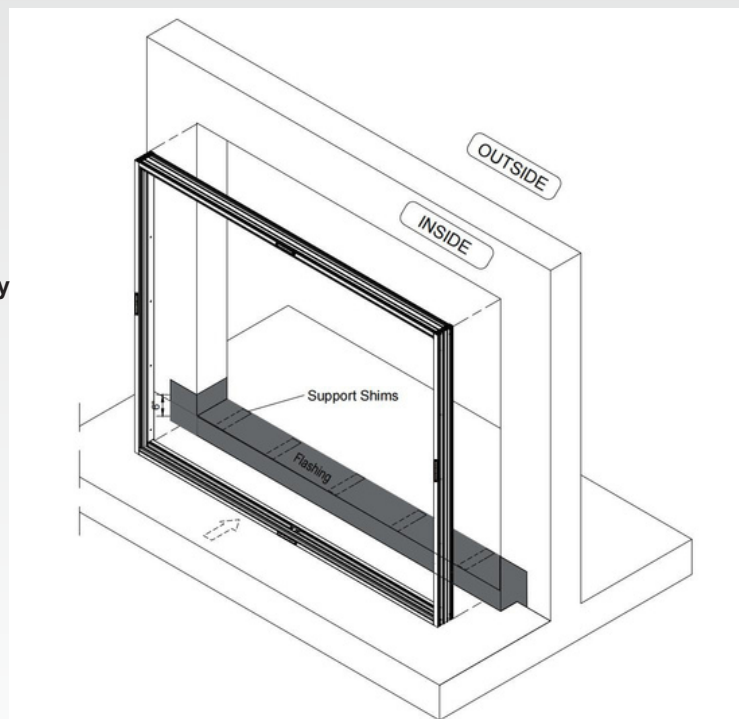
- Position shims at both ends with 6-inch spacing toward the side jamb.
- Place shims where the door panels converge.
- Ensure shims are spaced with a maximum of 12 inches on center.

Place the Door Frame in the rough opening.

NOTE

Do not position the door unit directly on the sill. Make sure that shims are placed directly under the door threshold. You can temporarily secure the shims with sealant.

In a subsequent step, a continuous layer of foam insulation will be applied beneath the door at the sill.



Confirm the Door Installation Location

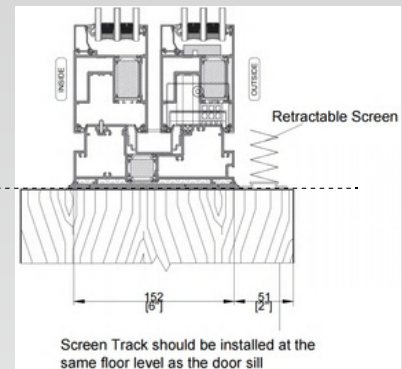
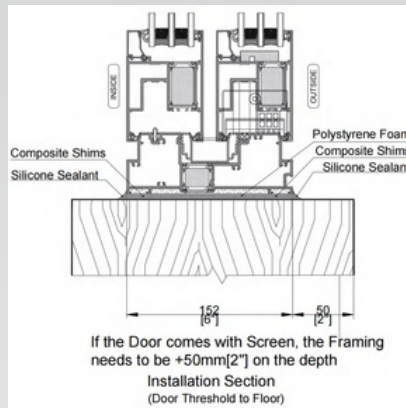
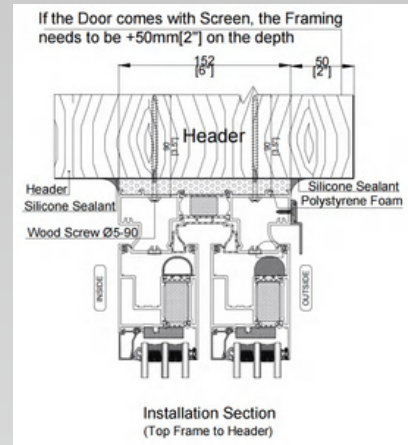
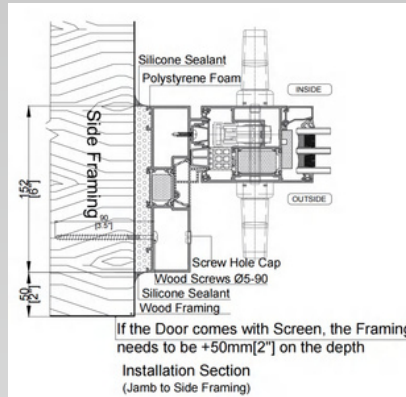
- Verify the installation location of the door within the rough opening with the contractor, builder, or owner.
- The door frame depth is 6 inches (152 mm); if the door includes a screen, an additional 2 inches (50 mm) will be required.
- Ensure that the wall thickness is adequate for the installation.

NOTE

Door Jamb and Screen Installation Guidelines

- The door jamb measures 6 inches; please verify the wall thickness and confirm the installation position.
- If the door includes a screen, ensure the wall thickness exceeds 8 inches.
- The screen track should be positioned on the exterior, aligned with the door frame.

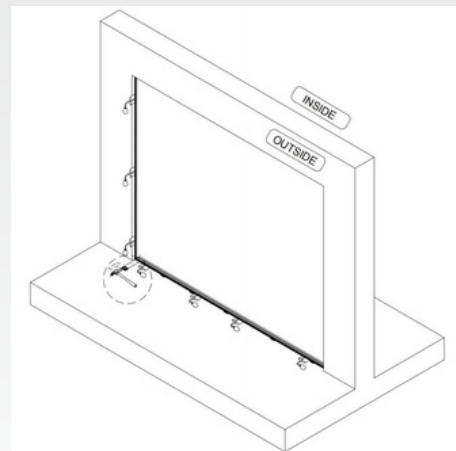
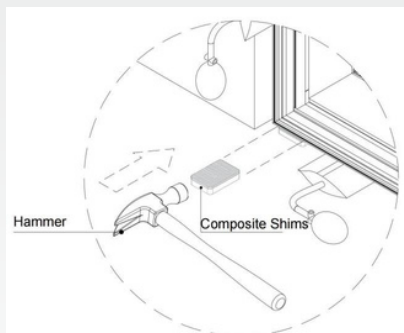
Note that a beveled floor will not accommodate the installation of the screen track.



Check level and adjust the height of the shims to obtain a level sill.

WARNING

DO NOT over-shim. Bowed jambs can negatively impact product performance and may hinder the proper operation of the unit.



Use Air Wedge to adjust the level of Frame

Use laser level to check and make sure the frame is horizontally leveled.

NOTE

Laser Level must be used to check and adjust the level of the frame installation.



Check two side jambs to see if the laser line is at the same height relative to the bottom frame, if not, adjust as necessary

WARNING

The frame needs to be both level and square. If the frame is not level and square, it may impact the product's performance and proper operation, which will void any warranty.



Check more points to see if the laser line is at the same height relative to the bottom frame, if not, adjust as necessary

Use Laser Level to check and make sure the frame is vertically level and square.



Check both side frames to make sure the laser line is straight along the frames

Use laser level to check and make sure the frame surface is vertically leveled, not twisted.

NOTE

To ensure proper installation, a laser level should be utilized to verify and adjust the alignment of the frame. It is essential to place shims in the same positions as the fasteners to avoid bowing of the frame.



Check all four side frames, ensuring they lie on the same plane

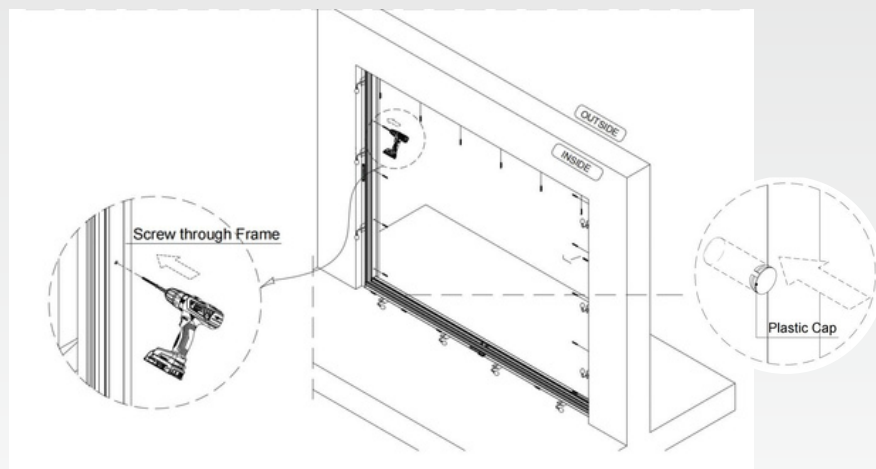
WARNING

DO NOT overtighten. Bowed jambs can negatively impact product performance and the proper operation of the unit.

Fasten the frame by screwing through the pre-drilled holes into the opening. After installation, you can use the included plastic caps to cover the screws for a neat finish.

NOTE

Once the frame is installed, utilize a laser level to verify its alignment and ensure that the level has not shifted during the installation. If needed, make any necessary adjustments to the frame.



Screw holes have been drilled ready on two side jambs and top frame, no screws on the bottom frame

Step 5: Install the Door Panels

Installing the Stationary Door Panel

- Position the stationary door panel so that it aligns with the exterior track.
- To prevent injury and avoid damage to the product, utilize suction cups and enlist a sufficient number of strong individuals to lift and carry the door panel safely.



Insert the stationary door panel into the top track

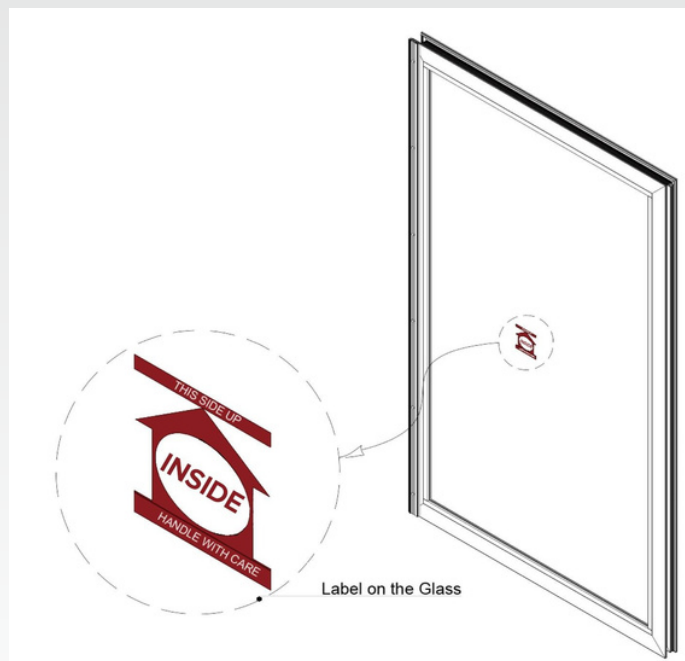


Lower the stationary door panel onto the bottom track

NOTE

Use safe lifting techniques and a reasonable number of people with enough strength to lift and carry door panels to avoid injury and/or product damage.

DO NOT install the door panel upside down. There is a Label showing which side is UP and which side is INSIDE.



Install the sliding panel which should sit on the interior track.

NOTE

Employ safe lifting techniques and ensure you have a sufficient number of individuals with adequate strength to lift and transport door panels, thereby minimizing the risk of injury and preventing product damage.



Insert the Sliding Door Panel into the top track

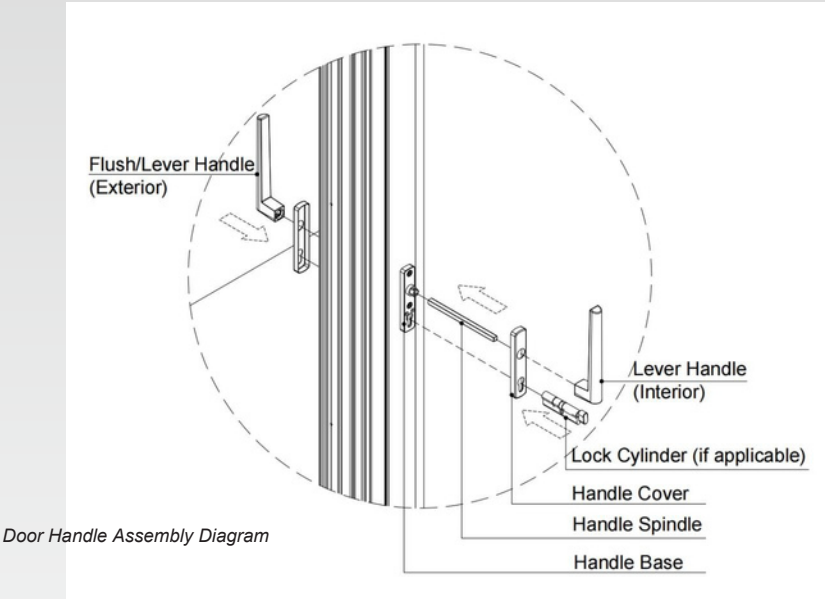


Lower the Sliding Door Panel onto the bottom track

Install Door Handles.

NOTE

If the door requires locking from the outside, it will be equipped with two lever handles (In & Ex) and an optional lock cylinder with keys.



Each sliding panel will come with below parts (Lock Cylinder with Keys is optional):



Screw * 2



Spindle *1



Handle Base * 1
(Interior)



Flush Handle * 1
(Exterior)



Handle Cover * 1
(Interior)



Lever Handle * 1
(Interior)

Insert handle base, spindle and screws to the door panel from interior.



Install the exterior flush handle and screw it tightly from interior.



Put the cover on and press in.



Install the interior lever handle at the locking position — handle points upward.



Turn the handle downward (sliding position), and tighten the screw on top of the handle.



NOTE

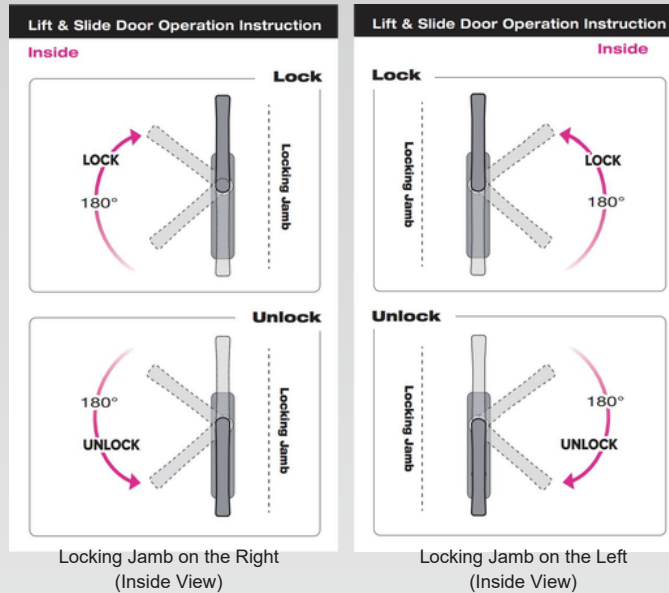
The door arrives in the locked position, so when you install the handle, it should be oriented to point at 12 o'clock.

Step 6: Test the Door

Handle Operation Instructions

Here are the instructions for operating the handle:

- When the handle is turned upward, the door is locked.
- When the handle is turned downward, the door is unlocked and can slide open.
- Always turn the handle in the opposite direction of the locking jamb.



Ensure the door slides effortlessly and smoothly. If you encounter any issues with the sliding, utilize a laser level to reassess the alignment and make necessary adjustments.



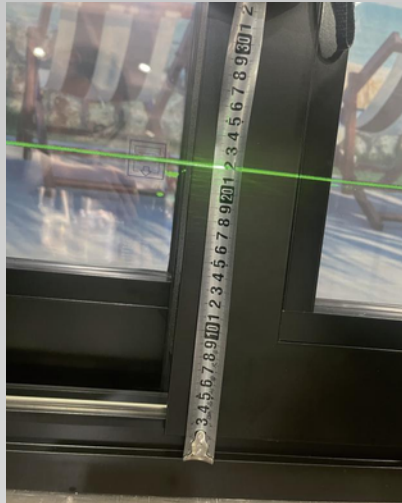
The laser line shows the horizontal level is same, no adjustments necessary

NOTE

Utilize a laser level to verify that the door is aligned both horizontally and vertically, ensuring that all four sides are on a single plane without any twists. If necessary, take the door panels out of the frame and make adjustments accordingly.

WARNING

The frame must be both level and square. If the frame is not level and square, it can impact product performance and the proper functioning of the unit, thereby voiding any warranty.



The laser line shows the horizontal level is same, no adjustments necessary



Two side frames and middle are still straight, no adjustments necessary



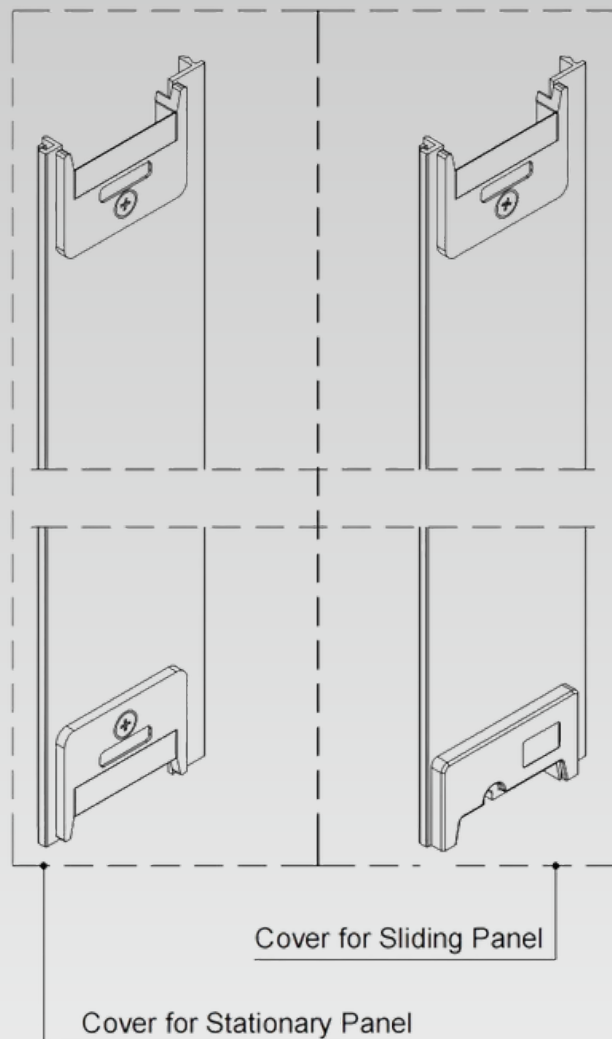
Frame surfaces are still straight, no adjustments necessary

Install the side covers on the door panels.

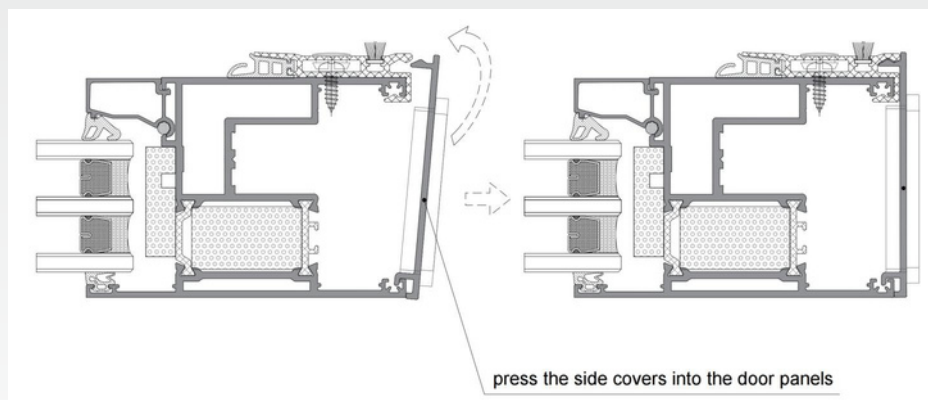
NOTE

If the door slides smoothly and requires no adjustments, proceed to install the side panels. **DO NOT** install the side panels if adjustments to the door are still necessary.

Please note that the side covers for the stationary and sliding panels are different. Be sure to verify each cover before installation.



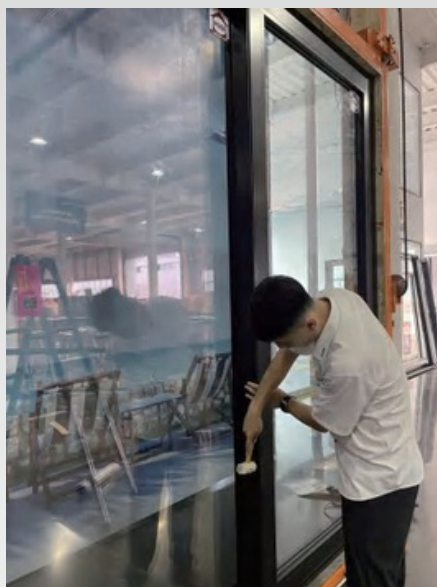
The side covers for stationary panel and sliding panel are different



Insert one side first and press the other side in

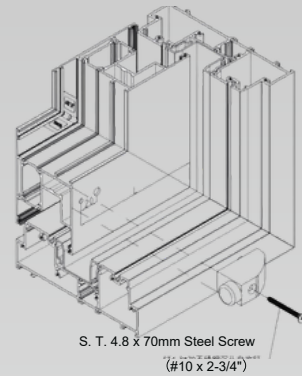


Install stationary panel side cover, use rubber hammer to hit it in if necessary



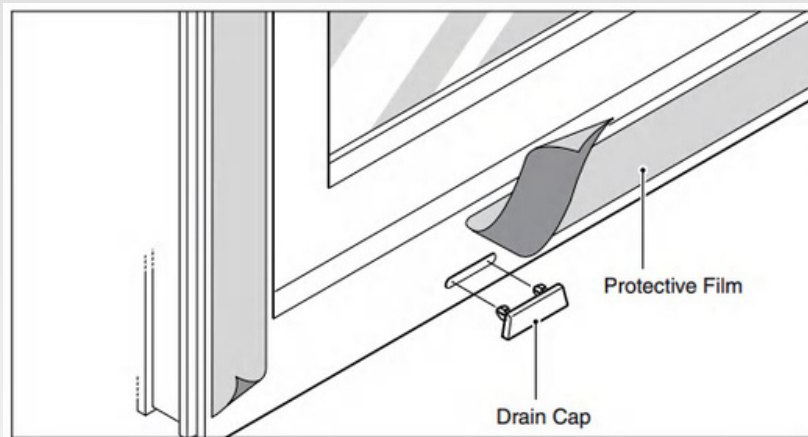
Install sliding panel side cover, use rubber hammer to hit it in if necessary

Install the Bumper/Stop on the Stationary Panel.



Installing the Weep Hole Caps

- Make sure that the weep holes and channels are free of debris to allow for effective water drainage.
- Place the weep hole covers or drain caps securely, but remember not to seal the weep holes or channels.



Remove the protective film and install the drain caps on the exterior

NOTE

For door widths less than 6 feet, a bumper or door stop is typically not used, as it reduces the clear opening width.

WARNING

DO NOT block or seal the weep holes or water leakage may occur.

Install the seal pieces on the inactive door panel

Installation Instructions for Sliding Door Configurations OXXO and OXO

For the OXXO and OXO sliding door configurations, the inactive panel necessitates the installation of two sealing pieces where it meets the active panel.

- Seal Placement:
 - Install one sealing piece at the top
 - Install another at the bottom of the inactive panel frame

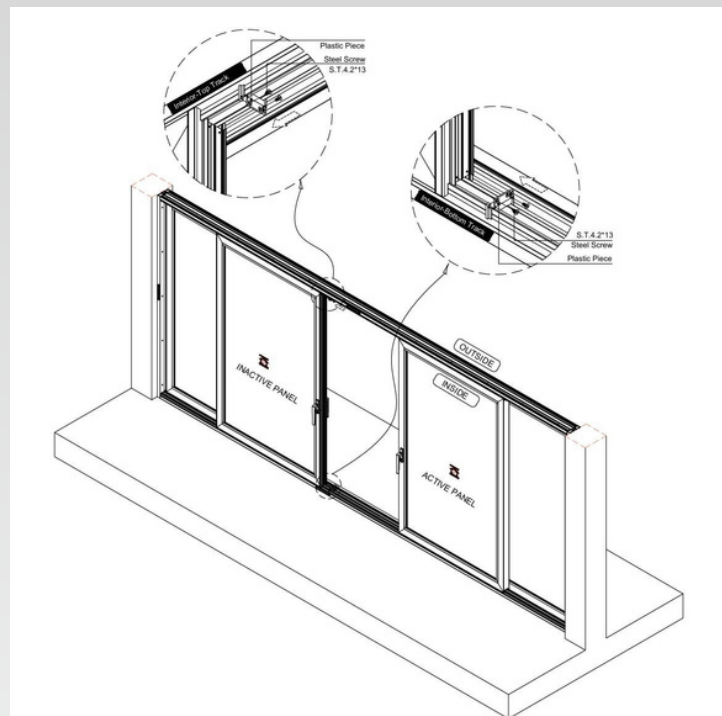
Utilize the pre-drilled holes provided to effectively seal the gap between the inactive panel and the frame.

Please refer to the illustration below:

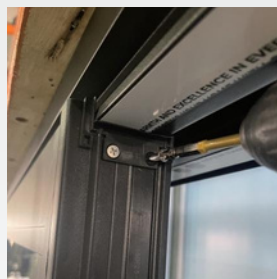
NOTE

For the door configuration OXXO, the right operating panel (interior view) serves as the active panel.

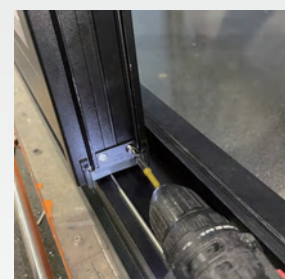
1. To open the door, first, turn the right handle downward, and then turn the inactive handle downward.
2. To lock the door, close the inactive panel, turn the left handle upward, and then close the active panel while turning its handle upward.



Sealing pieces and screws



Install the upper piece



Install the bottom piece

Step 7: Finish the Installation

Fill the gap between the frame and the wall with low expanding foam.



Once the foam has dried, trim away any excess foam and tidy up the remaining foam and dirt.



Apply silicone sealant continuously around the joint, both on the inside and outside, and wait until all installation work is complete.



Ensure that protective coverings and temporary markings are applied to safeguard glass elements from accidental impacts during the ongoing construction process.



NOTE

The installer is responsible for providing all necessary installation materials and ensuring their use complies with the manufacturer's instructions as well as local code requirements.

In addition to these guidelines, feel free to reach out to your sales representative and request videos that demonstrate how to make adjustments and troubleshoot effectively.