

### Installation Guidelines for Multi-Slide M2055 Bi-parting Door with Weather Resistant Barrier Installed

	PO Box 128		504 Highway 63 South	1	Freeburg, MO 65035	1	800-347-0438	
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**Read these instructions completely before starting any installation.** Failure to install and maintain our product according to these instructions may void any product warranty. These are generic instructions intended to cover most common situations, which may not be appropriate for all installations due to building design, construction materials, or methods used and/or building or site conditions. Please visit our website at <u>www.quakerwindows.com</u> or call 1-800-347-0438 for additional information. Inspect all units for any damage or defects prior to installation.



#### Tools

• Follow manufacturer's instructions for safe operation of tools, and ladders/scaffolding. Always wear safety glasses. Failure to do so could result in injury, product or property damage.

#### Handling

- Do not store units outside, or in a hot environment. Doing so could result in product damage.
- **Do not carry flat.** Doing so could result in product damage, injury, or property damage.
- Stack units as straight as possible to avoid bowing. Do not lay flat!

#### Glass

• If broken, glass can fragment causing injury. All Quaker products are available with safety glass. In many areas, local building codes require safety glass in certain locations and/or applications. Quaker door products are provided with safety glass per industry standards. Consult your local building codes for more definitive information.

#### Fastening

- Metal fasteners and components could corrode when used with preservative-treated lumber. Use approved fasteners and components to fasten window or door. Failure to do so could cause a failure resulting in injury, product or property damage.
- Fastener must attach to a structural framing member with 1 1/2" minimum fastener embedment, or minimum 3 full threads with a minimum 5/16" head as products were tested with.
- Quaker does not supply anchorage/fastener calculations, and is not responsible for determining structural adequacy of the anchorage and fasteners used to install our products, or the openings into which they are installed.
- **Do not** over drive screws or nails. Doing so could result in product damage.

#### Notice

• The suggested overhang of the structure should match the height of the unit being installed.

#### Installation

- Maintain a minimum of 1/4" between the window or door frame and exterior finish materials. Failure to do so could result in product or property damage.
- Nailing flanges and drip caps (integral or applied) **do not** take the place of window and door flashing. All windows and doors must be properly flashed and sealed with material compatible sealant for protection against water and air infiltration around the entire perimeter. Failure to do so could result in product or property damage.
- Place shims around perimeter as required. Door must be properly shimmed. Failure to do so could affect operation and product performance and could result in product damage.
- Live or dead loads transferred into our product can affect functionality, damage frame joinery or cause glass failures. Dead loads such as upper levels, roof, etc. Should be constructed before window or door is installed.
- Loads shall be designed to withstand the most critical effects of load factors and load combinations as required by the building code. (Loads are including but not limited to Live, Dead, Collateral, Auxiliary, Thermally induced, Seismic, etc.)
- Maximum vertical deflection of the header under all Load combination should not exceed 1/8".
- **Do not** drill through or into door sill to install alarm wires.

#### Sealing

- Follow instructions of foam, sealant, and flashing manufacturers regarding safety, material application, compatibility, and periodic maintenance for continued weather resistance of their products. Failure to do so could result in product or property damage. DO NOT overfill between the frame and opening.
- Minimally expanding foam insulation must be compliant with AAMA 812-19.
- Quaker requires 100% silicone (ASTM C920 compliant) neutral cure only sealant. Always clean all areas where sealant will be applied. Failure to do so could result in product or property damage.
- Flashing tape must meet ASTM-D779 performance requirements.

#### Joining

• Do not join any window or door to any window or door not designed for joining. Joined windows and doors must be individually supported in the opening. Failure to do so could affect operation and product performance and could result in product or property damage.

#### Cleaning

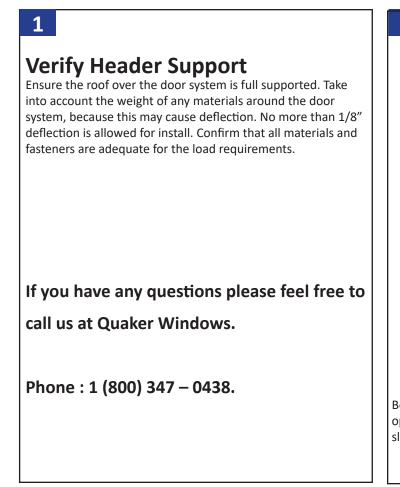
- Acid solutions used for cleaning will damage glass, fasteners, hardware, and metal flashing. Protect these products and follow cleaning products manufacturers instructions. If acid contacts the window or door, wash all surfaces immediately with clean water.
- **Do not** use razor blades to clean glass surface. Glass damage could result.
- Clean glass using liquid glass cleaner.
- Clean frame, sash, panels, and insect screens using mild detergent and warm water with a soft cloth or brush.

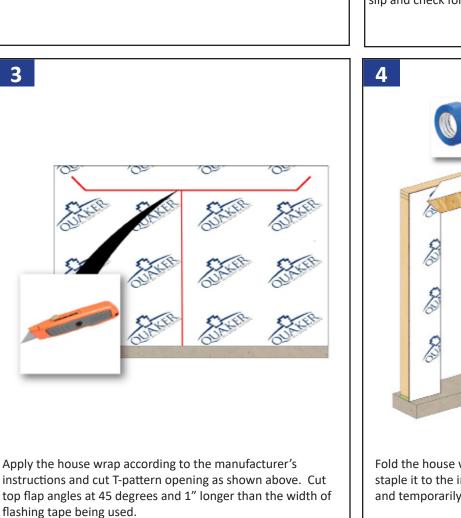
#### IMPORTANT

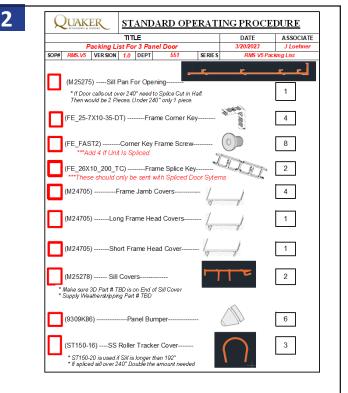
- Buildings constructed prior to 1978 could contain lead paint which could be disturbed during window or door replacement. For more information on proper management of lead paint, go to: <u>www.epa.gov/lead</u>
- Care must be taken to properly recycle or dispose of old materials. Any recyclable materials should be separated from non-recyclable or hazardous materials. Please consult with local or state authorities regarding proper disposal of non-recyclable or hazardous materials

WARNING: This product can expose you to chemicals including titanium dioxide or methanol, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to <u>www.P65Warnings.</u> <u>ca.gov.</u>

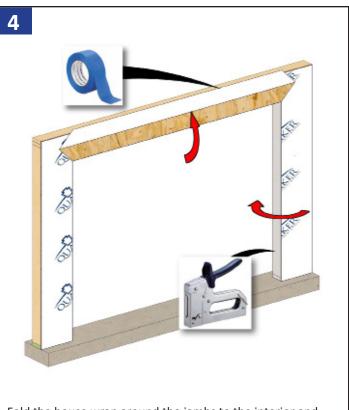
WARNING: Drilling, sawing, sanding or machining wood products can expose you to wood dust, a substance known to the State of California to cause cancer. Avoid inhaling wood dust or use a dust mask or other safeguards for personal protection. For more information go to <u>www.P65Warnings.ca.gov/wood.</u>





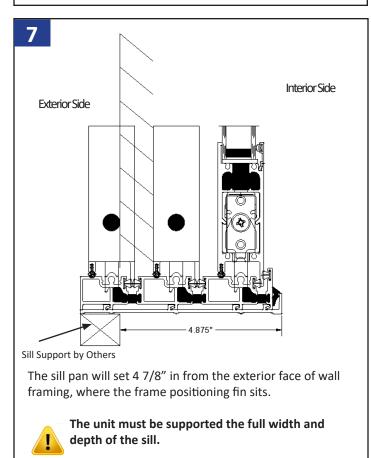


Before installing your door, unpack all parts and place near the opening. Make sure you have all parts according to the packing slip and check for damaged parts.

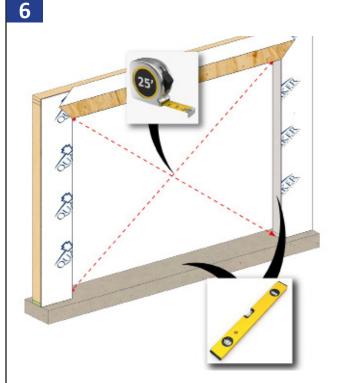


Fold the house wrap around the jambs to the interior and staple it to the interior framing. Fold the house wrap flap up and temporarily tape it in place.

Measure and verify the rough opening is sized correctly. The rough opening should be 3/4" wider and 1/2" taller than the unit. Allow additional space for flashing thickness, installation clips, joining components, and their fasteners.



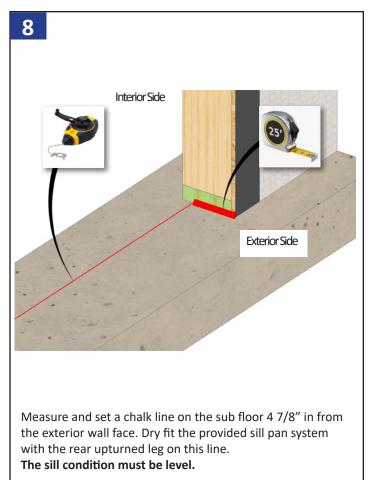
(Note: For Nail fin installation only.)

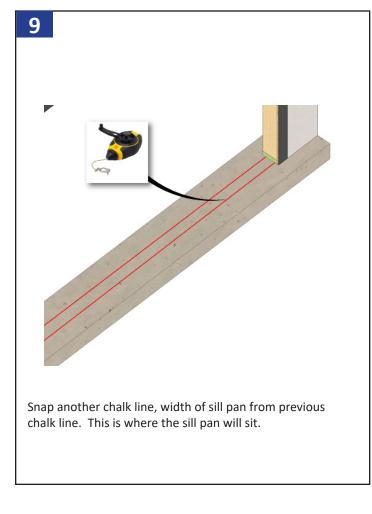


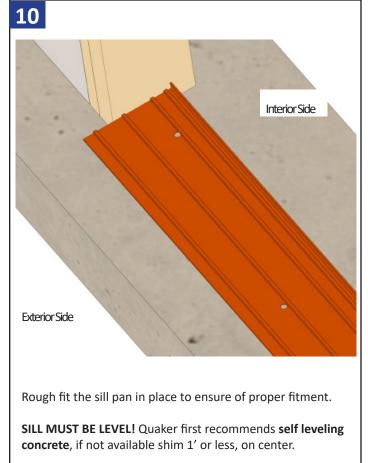
Check that the opening is square. The diagonal measurements need to be within 1/8" of each other. Verify the rough opening is plumb and level.



The sill plate beneath the unit must be level for proper unit operation.



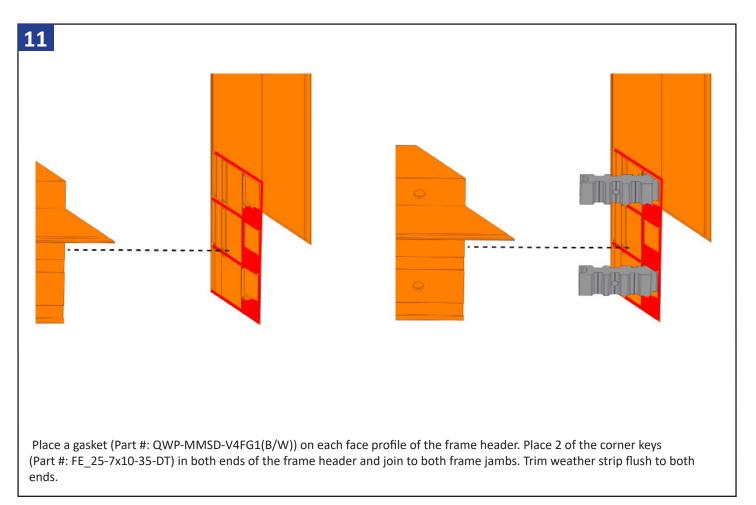


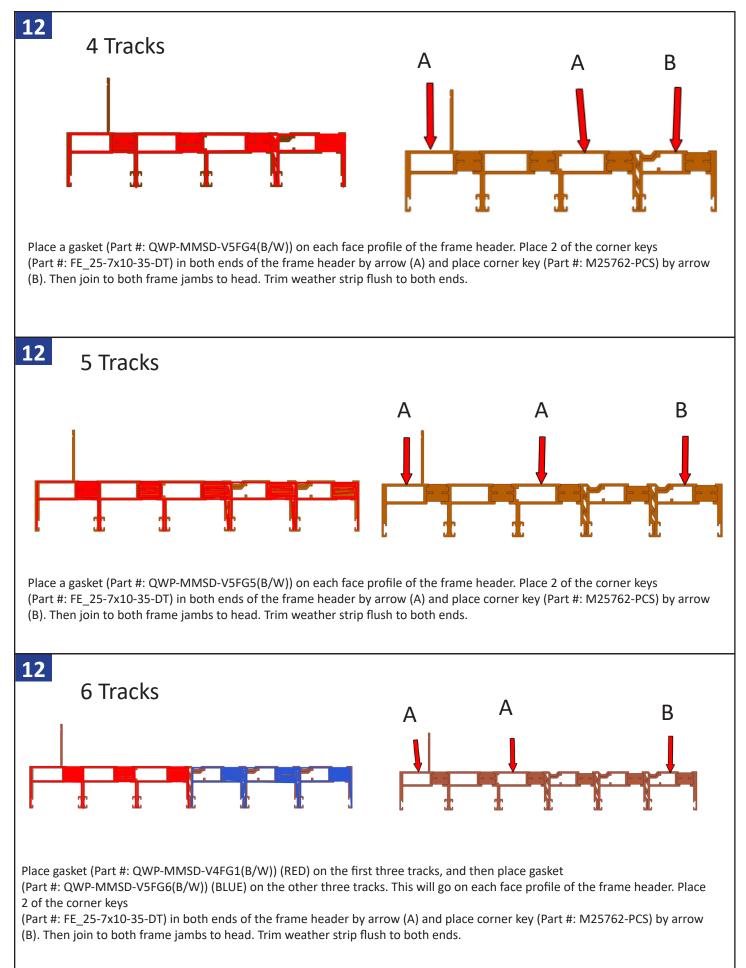


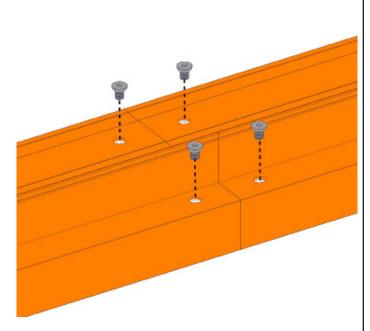
## FRAME ASSEMBLY

Assemble the frame to make sure sizing is correct.

Multi Tracks - See below - Skip to the step that matches the door which you are wanting to install.







For Two-piece Headers Needing a Splice:

Place a gasket on the face profile of the frame header. Put two splice keys in the first header as shown & screw those in place with 2 corner key screws. Then slide the other header over the keys and secure in place with 2 more corner key screws.

#### 3 Tracks

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Gaskets -QWP-MMSD-V4FG2(B/W) Corner keys-FE\_26X10\_200\_TC

#### 4 Tracks

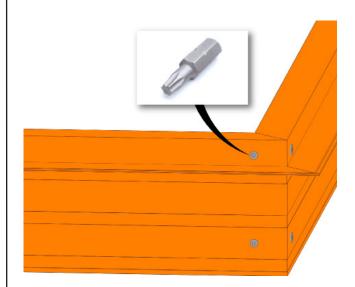
Gaskets -QWP-MMSD-V5FG7(B/W) Corner Keys -FE\_26X10\_200\_TC and M25762-PCS

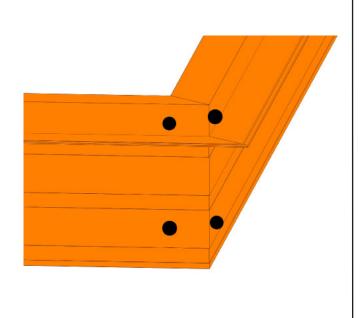
#### 5 Tracks

Gaskets -QWP-MMSD-V5FG8(B/W) Corner Keys -FE\_26X10\_200\_TC and M25762-PCS

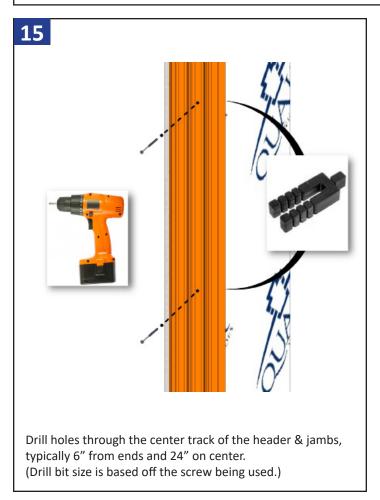
#### 6 Tracks

Gaskets -QWP-MMSD-V4FG2(B/W) and QWP-MMSD-V5FG9(B/W) Corner Keys -FE\_26X10\_200\_TC and M25762-PCS



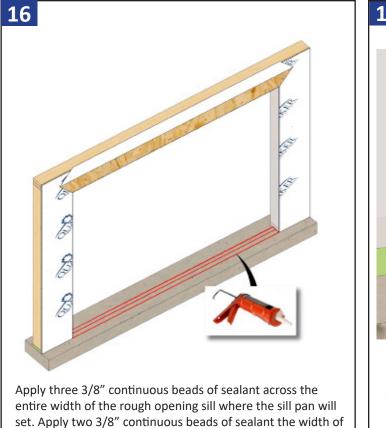


Start screws (Part #: FE FAST2) into the keys at each corner. Then tighten. Cover screws with silicone.

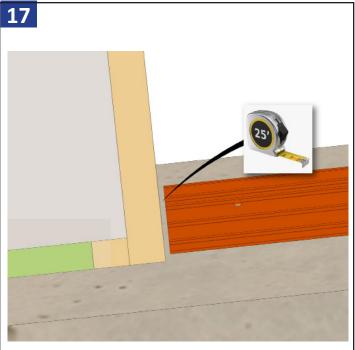


## **SILL PAN INSTALL**

For the different track configurations the sills and sill pan will install the exact same way, the only difference between them will be the widths of them both.

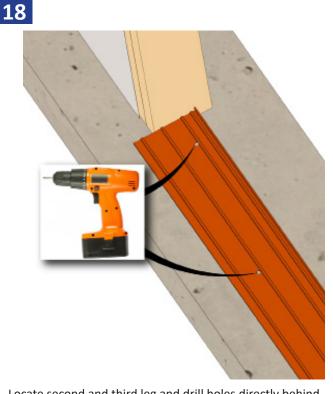


the pan,  $1/2^{"}$  from each side of opening as shown above.



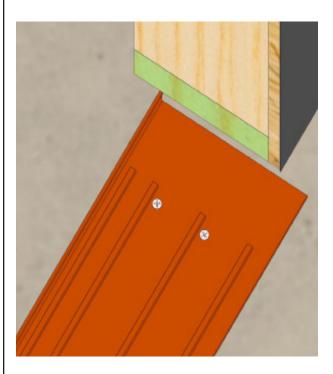
Allow a 1/4'' gap between the rough opening and the sill pan(s).

Note: if two sill pans are provided leave a 1/4" gap on each end and but the sill pans together tight in the middle.



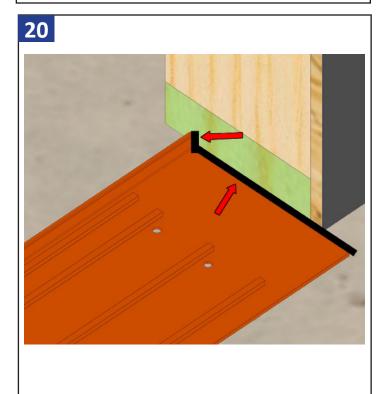
Locate second and third leg and drill holes directly behind them. Drill holes through the sill pan, 3" from each end and then 14" on center for the length of the pan, alternating between the 2 tracks.

(Drill bit size is based off screw size)

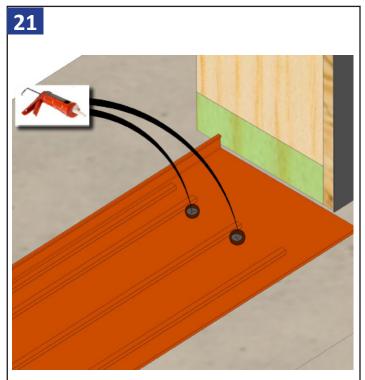


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Using a screw with head shorter (less than .150"), screw down the sill pan.

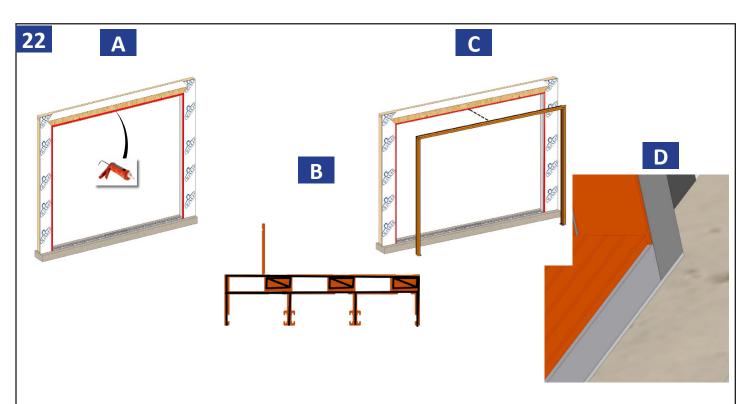


Set the sill pan in place along the wall and upturned leg apply silicone. Be sure to tool in the sealant. If spliced run a bead of silicone exactly like this on the splice.



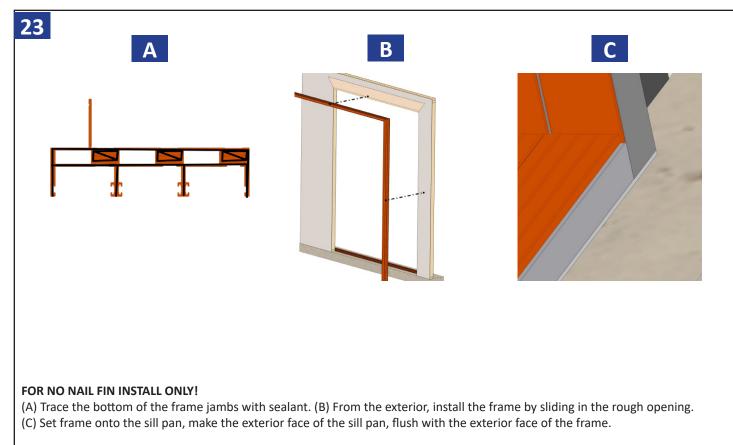
Silicone over all screws and tool in.

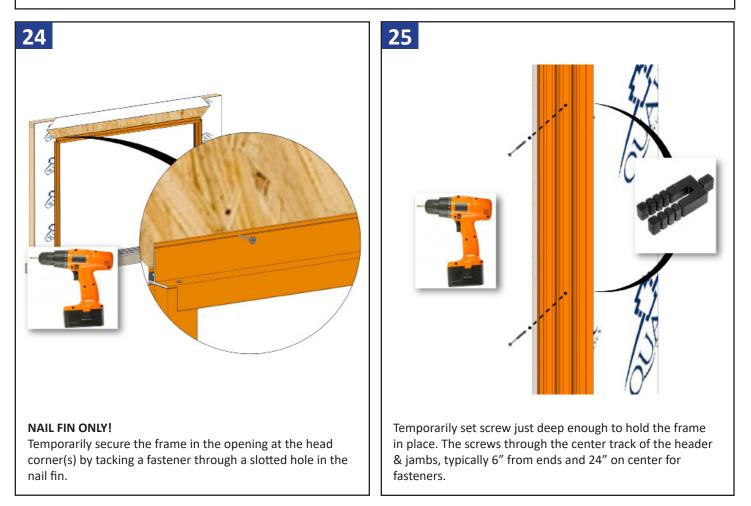
## FRAME INSTALL



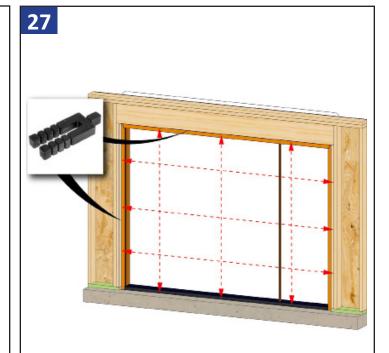
#### FOR NAIL FIN INSTALL ONLY!

(A) Apply a continuous 3/8" bead of sealant around the perimeter of the opening as shown, (B) also trace the bottom of the frame jambs with sealant. (C) Install the frame by sliding in the rough opening with the fin to the exterior side. Set frame onto the sill pan, make the exterior face of the sill pan, (D) flush with the exterior face of the frame.

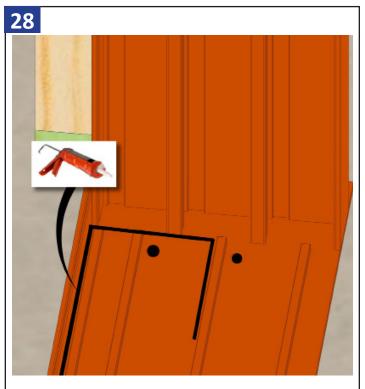




Square, level, and plumb the frame. Adjust shims as needed until diagonal measurements are within 1/8". Shim behind the header and jambs as necessary.

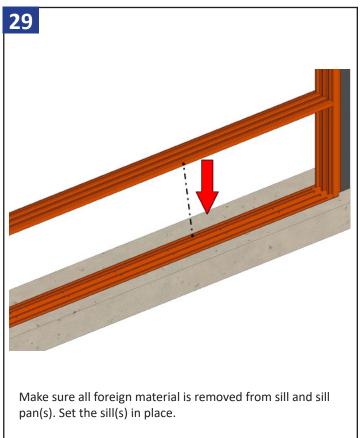


Check that the door frame is not bowed at jambs or head, a string line may be required. Adjust shims as needed but verify measurements are within 1/16".



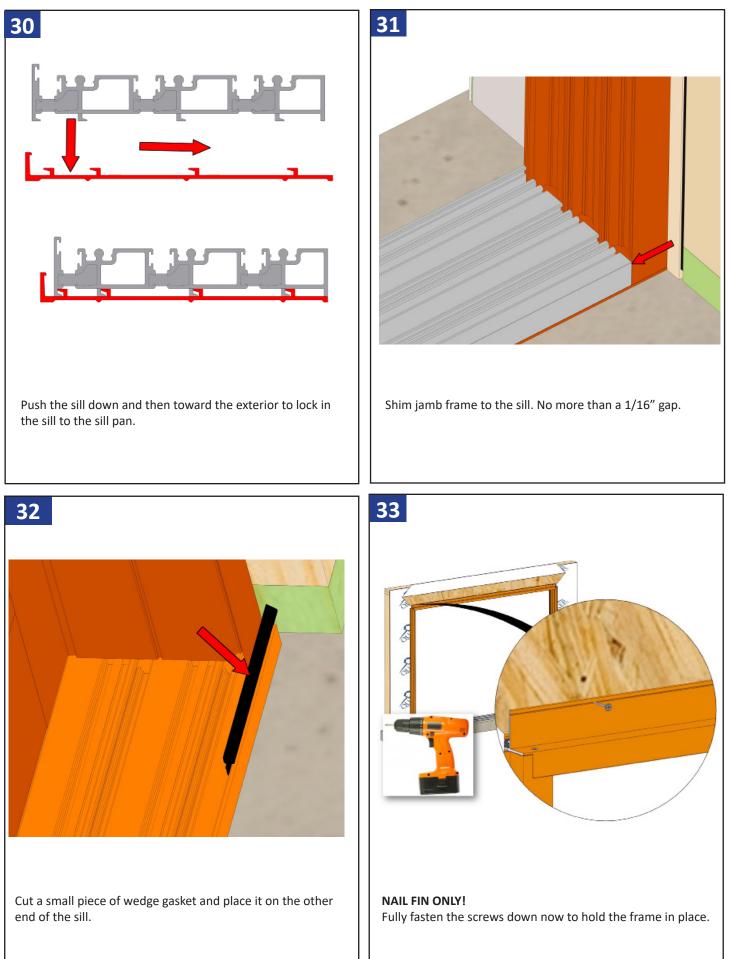
Run a bead of silicone along the wall, up the leg of the sill pan, and along the interior most leg the length of the sill pan.

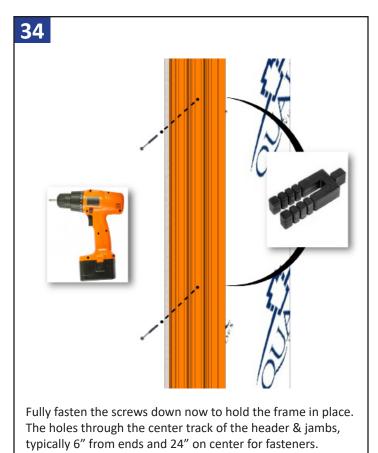
Note: This will be the space between the lip of the sill pan and the first leg, as shown above.

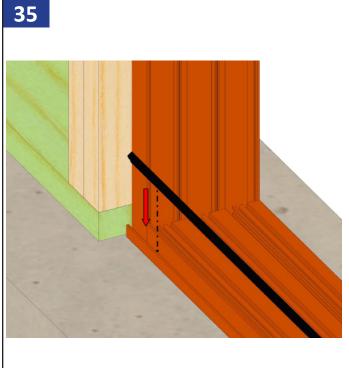


Note: if two sill pans are provided but them tight in the middle.





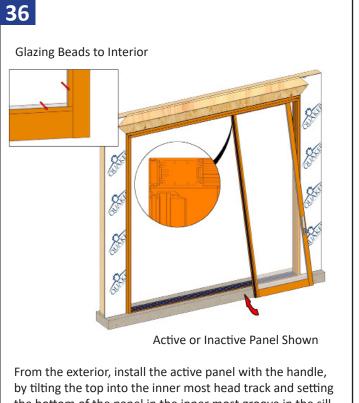




Locate the interior side of the sill. Push the sill down and towards the exterior to lock in place. Take the wedge gasket (Part #: 4874-02-00) and press in place. Note: This will run the whole length of the sill pan(s).

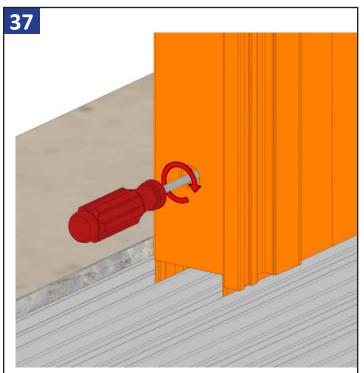
### PANEL INSTALL

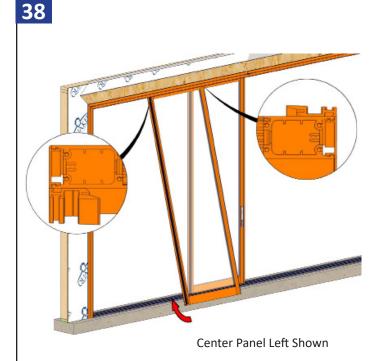
For panel install the process is the same no matter the amount of panels. You always start with the active (interior most) panel and end with the fixed (exterior most) panel.



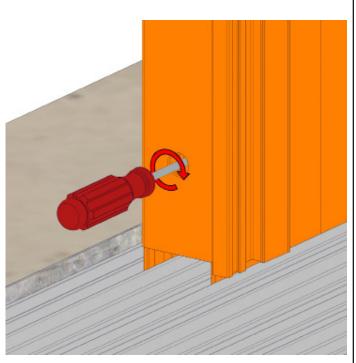
the bottom of the panel in the inner most groove in the sill track. \*Note orientation of interlock rails when choosing panels.

\*Note orientation of interlock rails when choosing panels \*Note glazing beads are to the interior side.

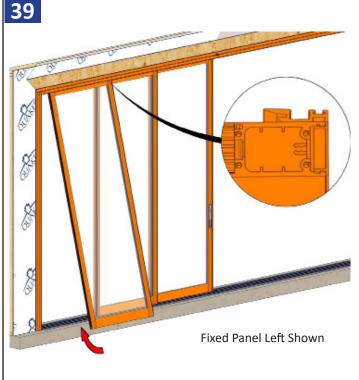




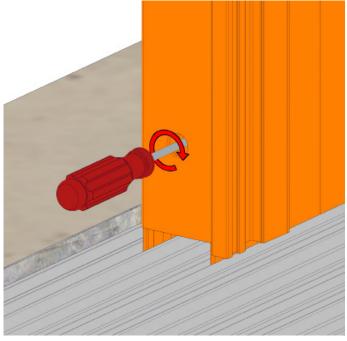
For the center panel on the left placing it in the center tracks. Make sure the panels are overlapped when installing so the interlocks will engage properly.



Use a #2 phillips screwdriver to engage the roller adjustment on both sides of a panel. Turn clockwise to raise the panel and provide smooth rolling. If possible, lift the panels slightly when adjusting to take pressure off the rollers. Roll panel back and forth 2-3 times to verify roller height is set. Repeat this step for each panel installed.



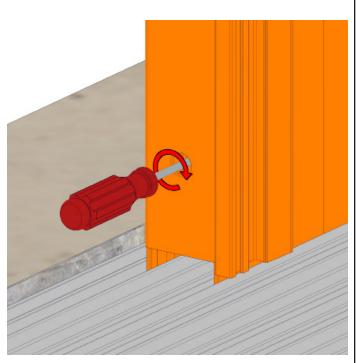
Repeat for exterior (fixed) panel, setting it into the exterior tracks in the head and sill. Make sure the panels are overlapped when installing so the interlocks will engage properly.



 Atter or Inactive Panel Shows

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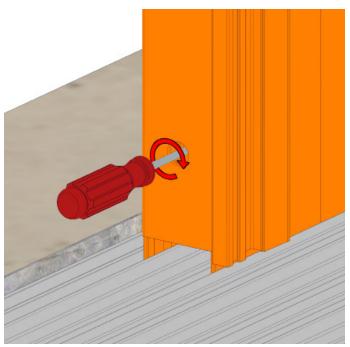
Next install the most interior panel on the right side as before, placing in the most inside tracks.



Use a #2 phillips screwdriver to engage the roller adjustment on both sides of a panel. Turn clockwise to raise the panel and provide smooth rolling. If possible, lift the panels slightly when adjusting to take pressure off the rollers. Roll panel back and forth 2-3 times to verify roller height is set. Repeat this step for each panel installed.



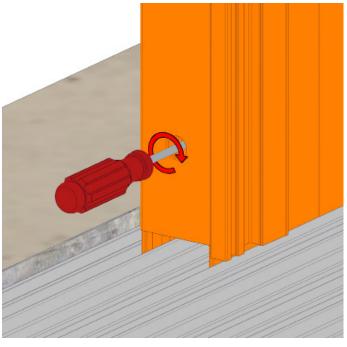
Repeat for the middle panel on the right placing it in the center tracks. Make sure the panel overlaps the center panel on the right so the interlocks will engage properly.

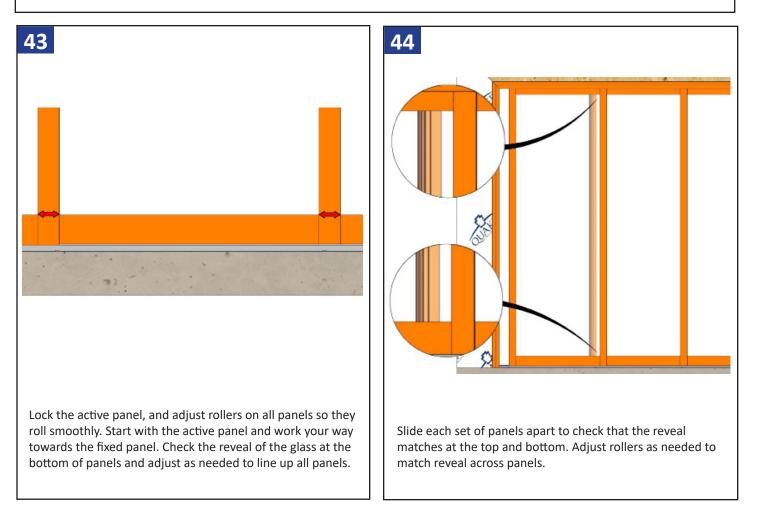


Fred Panel Right Shows

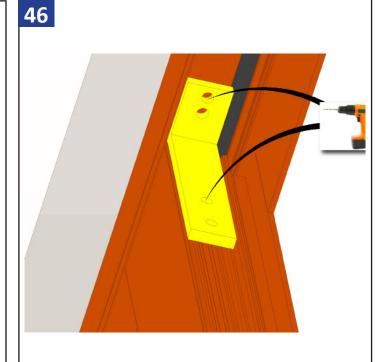
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Repeat for the right exterior panel, setting it in the exterior tracks.

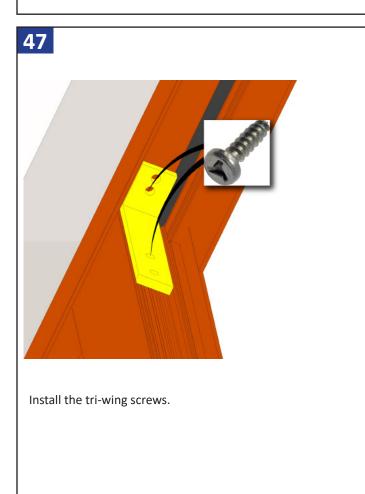


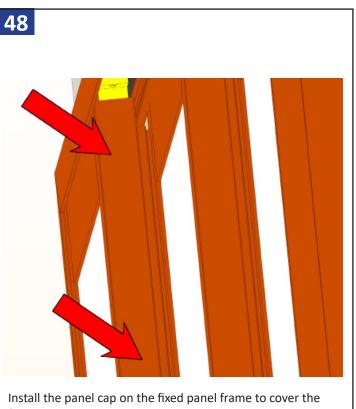


Set the fixed panel 2.5" from the edge of the frame to the edge of the glass of the fixed panel. Be sure 1/2" or the 3/8" panel bumper (depending how frame sits) is installed onto the vinyl prior to sliding jamb into wall.

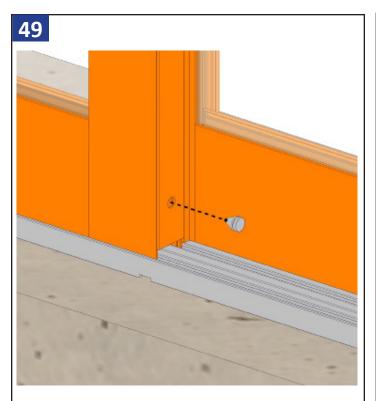


Take the **Fixed Panel Bracket**, slide it to the head drill holes for the tri-wing screws.

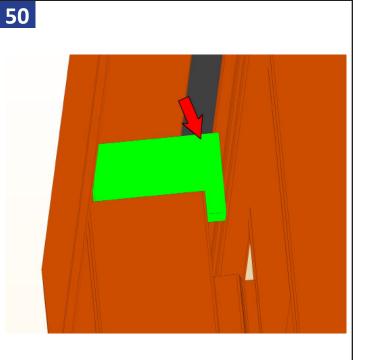




Install the panel cap on the fixed panel frame to cover the fixed panel bracket. Make flush with the head.



Once all panels have been adjusted install the panel bumpers into each roller adjustment hole interior and exterior.



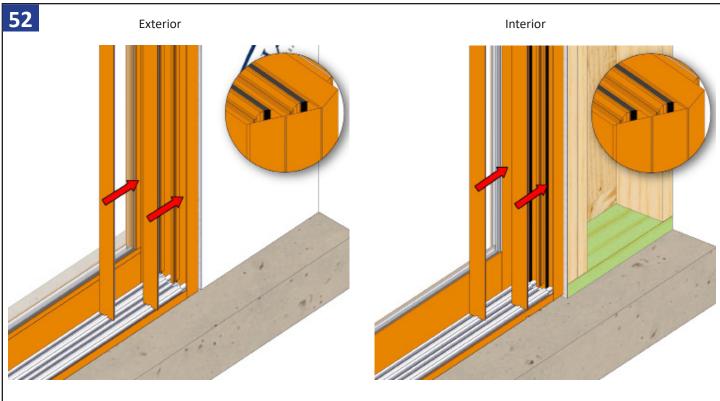
Slide the fix panel fully into the frame jamb, then take the frame head dust plug and remove backing. Slide the dust plug in between the head and the top of the fixed panel. The edge of the panel and the face of the dust plug should be flush. Each panel should get a dust plug.



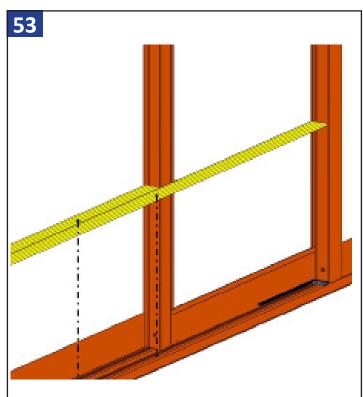
Place 1 dust plug in each track where the heads meet, as shown in the picture above, except the locking panels.

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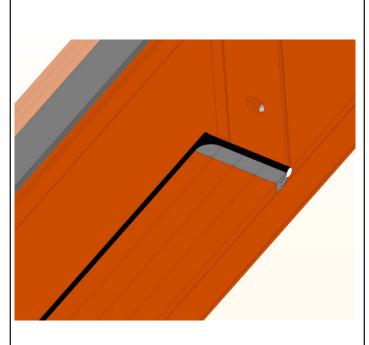
### **Frame Covers**



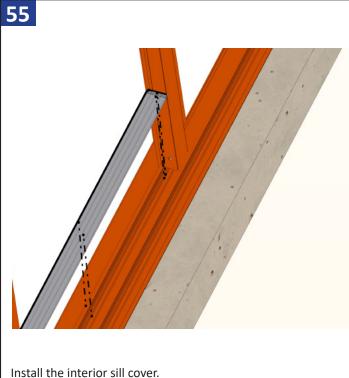
On the exterior jambs of the door, install two frame jamb covers - one in the middle track and one in the outermost track. Repeat for the interior jambs for the middle and most interior jambs. If a mallet is needed to install the jamb covers, use a wood block in between. DO NOT HIT THE JAMB COVERS DIRECTLY!



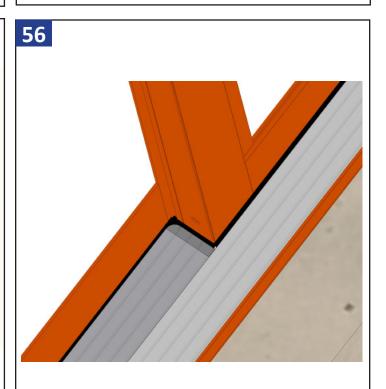
Lay out sill cover before installing, start with the sill cover closer to the interior.



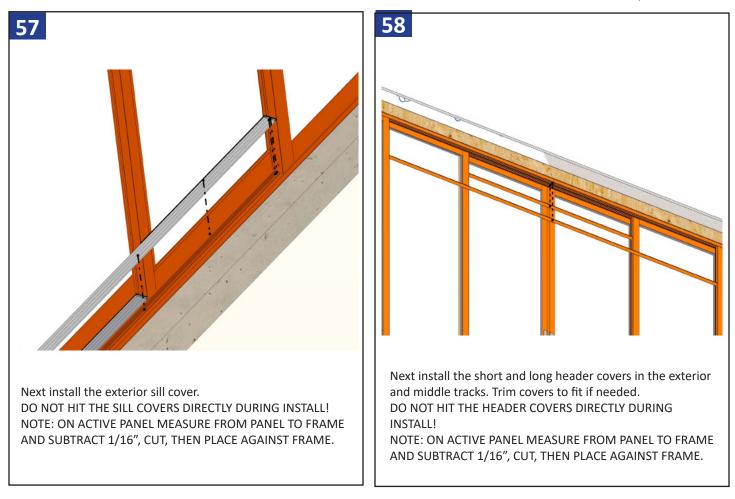
Take the sill covers and cut the end of the cover that doesn't have the molded part on the end. (Molded part is shown in the picture above.)



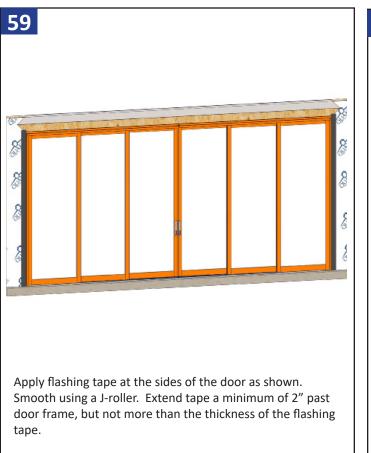
DO NOT HIT THE HEADER COVERS DIRECTLY DURING INSTALL! NOTE: ON ACTIVE PANEL MEASURE FROM PANEL TO FRAME AND SUBTRACT 1/16", CUT, THEN PLACE AGAINST FRAME.

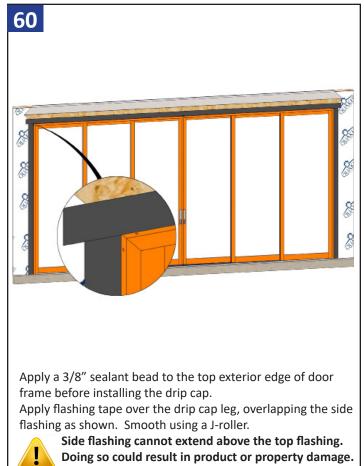


On the exterior sill cover cut away the weather strip where it meets the sill cap you just previously installed.

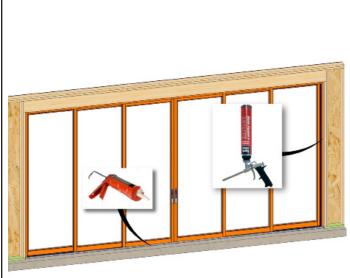


### **Weather Proofing**



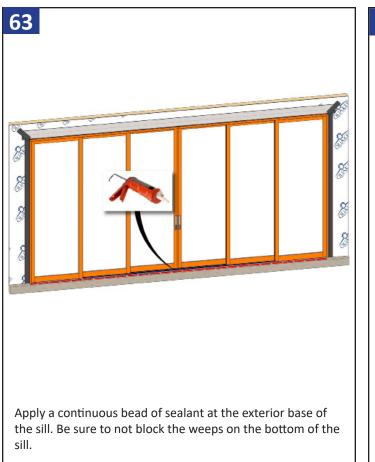






Unfold the house wrap top flap and tape the angled seams as shown.

Insulate the gap between the door and framing with minimally expanding spray foam, and seal the entire interior perimeter with sealant.





pickups (Part #: M25296-PCS) and #10 screw (Part #:MF10AX1)that is provided. Take screws and attach the pickups. Install the panel pickup where the holes are already fab'd on the interior side of the door.

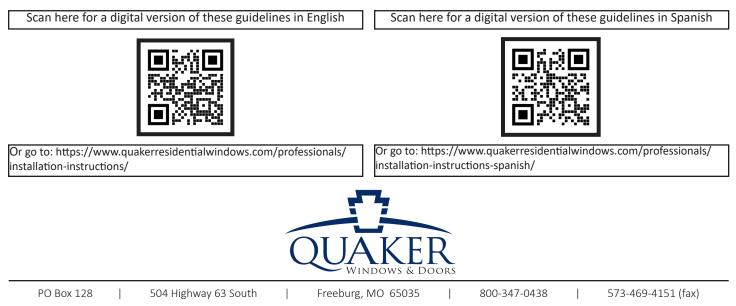


QWP part # IG-083

08/10/2023 V. 1.4

# **Installation Guidelines** for Multi-Slide M2055 Bi-parting **Door with Weather Resistant Barrier Installed**

If this set of instructions doesn't match your installation method or wall conditions please check our website listed below for other options, or call the office.



Quaker reserves the right to change the information contained in these guidelines without notice.

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