



Installation Guidelines for ModernVu Multi-Slide Door in new construction with weather resistant barrier installed

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| Freeburg, MO 65035

| 800-347-0438

| www.quakerwindows.com

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 www.quakerwindows.com or call 1-800-347-0438 for additional information. Inspect all units for any damage or defects prior to installation.

Tools required by installer:

Safety Glasses		Utility Knife	
Drill/Driver		Caulk Gun	
Level		Tape Measure	
Hammer		J-Roller	
Putty Knife		Staple Gun	
Phillips #2 Screwdriver			

Materials required by installer:

Foam Backer Rod		Minimally Expanding Spray Foam	
Shims (waterproof)		Sealant	
Flashing Tape (Self-Ahering)		Water Resistive Barrier/House Wrap (WRB)	
Fasteners		Denatured Rubbing Alcohol	
		Drip Cap	

WARNING

Tools

- Follow manufacturers 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.

CAUTION**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 812-04.
- Quaker recommends 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.

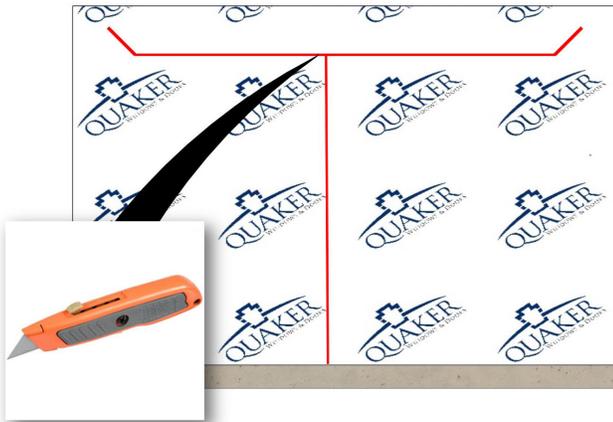
IMPORTANT

- 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: www.epa.gov/lead
- 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 www.P65Warnings.ca.gov.

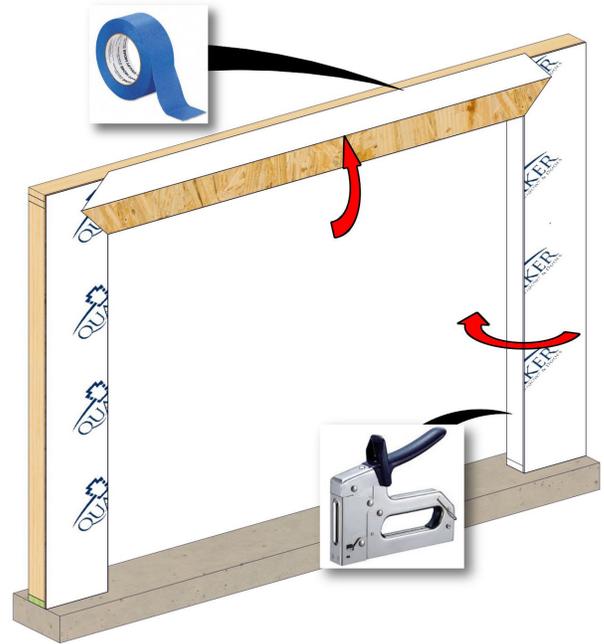
! **WARNING:** Drilling, sawing, sanding or machining wood products can expose you to wood dust, a substance known to the State of California to cause cancer. Avoid inhaling wood dust or use a dust mask or other safeguards for personal protection. For more information go to www.P65Warnings.ca.gov/wood.

1



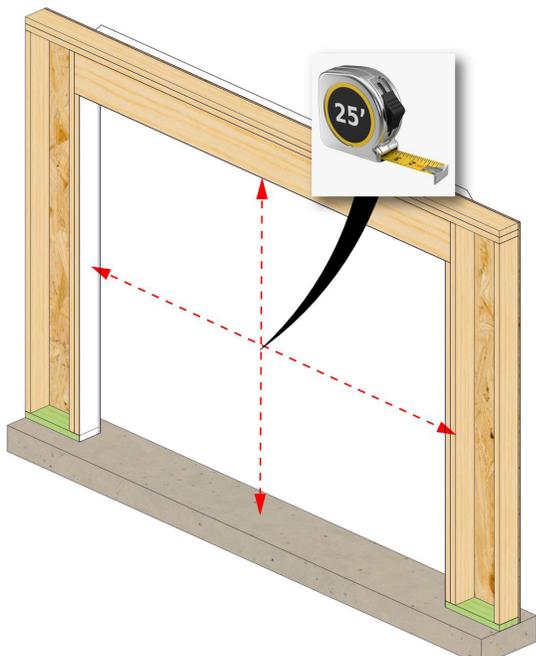
Apply the house wrap according to the manufacturer's instructions and cut T-pattern opening as shown above. Cut top flap angles at 45 degrees and 1" longer than the width of flashing tape being used.

2



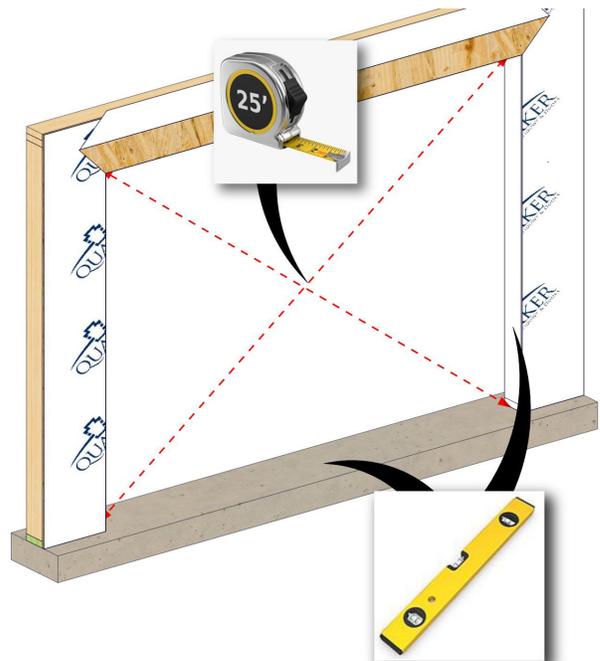
Fold the house wrap around the jambs to the interior and staple it to the interior framing. Fold the house wrap flap up and temporarily tape it in place.

3



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.

4

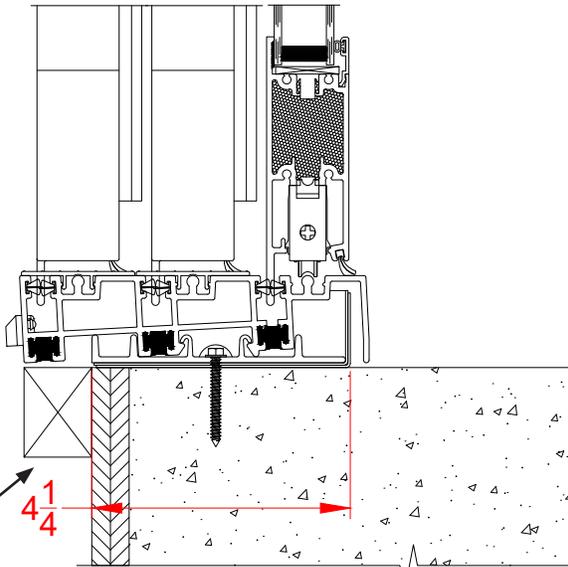


Check that the opening is square. The diagonal measurements need to be within 1/8" of each other. Verify the rough opening is plumb and level.



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

5



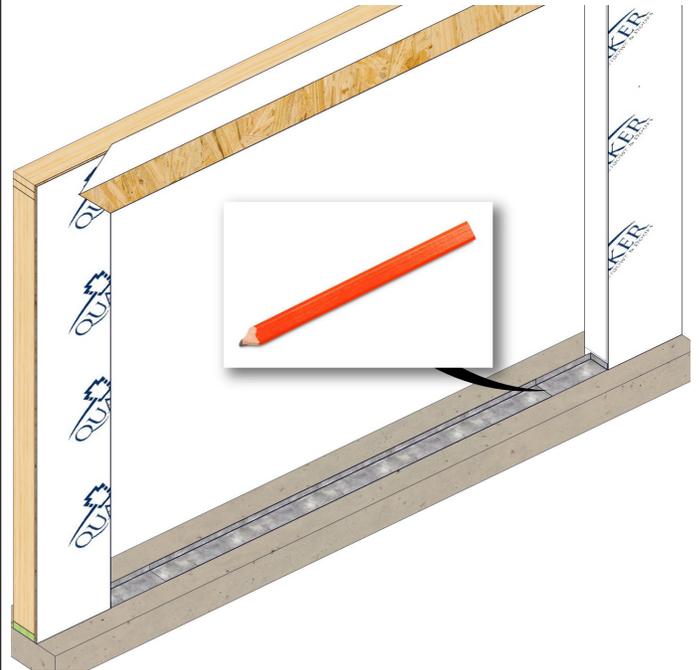
Sill Support by Others

The flashing pans will set 4 1/4" in from the exterior face of wall framing.



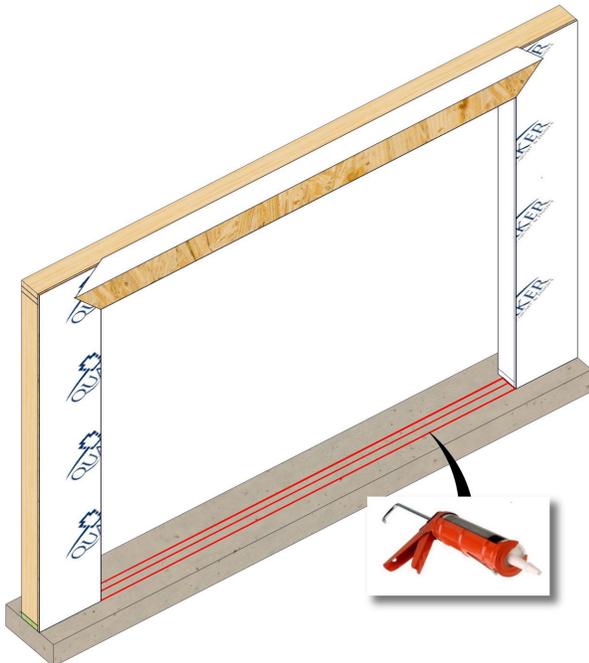
The unit must be supported the full width and depth of the sill.

6



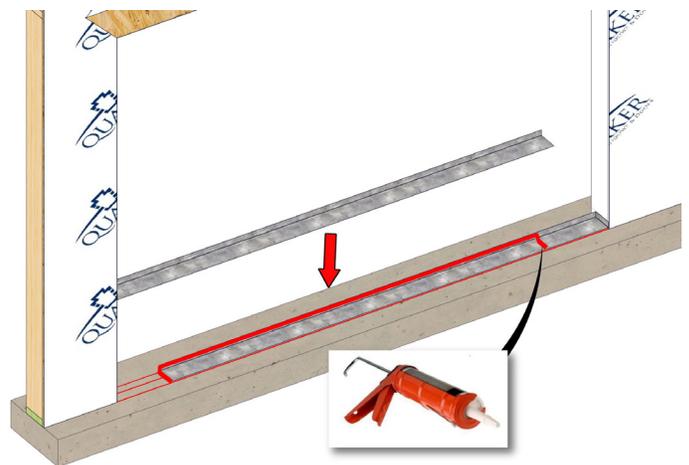
Dry fit the provided sill pan system keeping the front of the pan in line with the exterior framing. The rear upturned leg should set 4 1/4" in from the exterior. Mark where the pans overlap, and on the subfloor where the system sets. Shim as required to meet level.

7



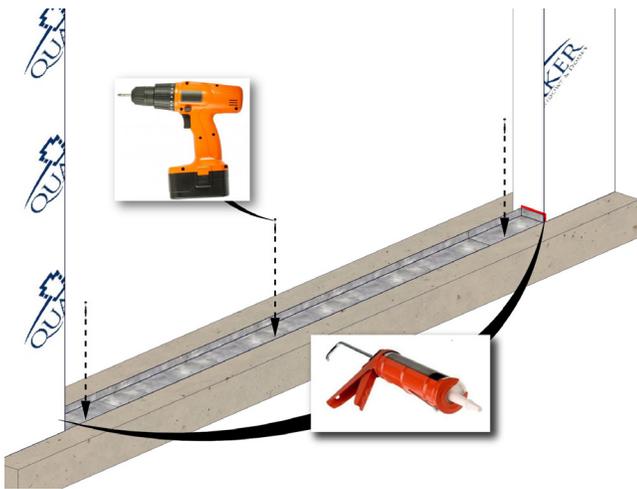
Remove the sill pan flashing and apply three 3/8" continuous beads of sealant across the entire width of the rough opening sill where the flashing pan will set. Apply two 3/8" continuous beads of sealant the depth of the pan, 1/2" from each side of opening as shown above. If using shims, set the shims in the bed of sealant and apply more sealant over the top of the shims.

8



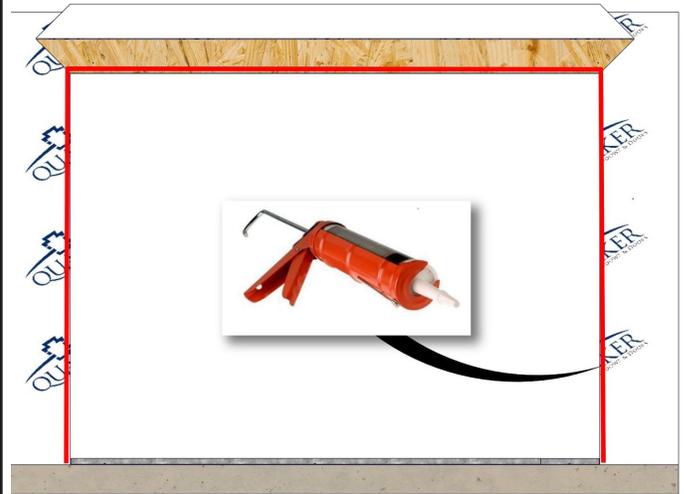
Set the bottom pan in first and apply a continuous bead of sealant where the top pan will overlap, along the upturned leg, and along the open edge of the bottom pan where it touches the subfloor, as shown above. Apply the top pan.

9



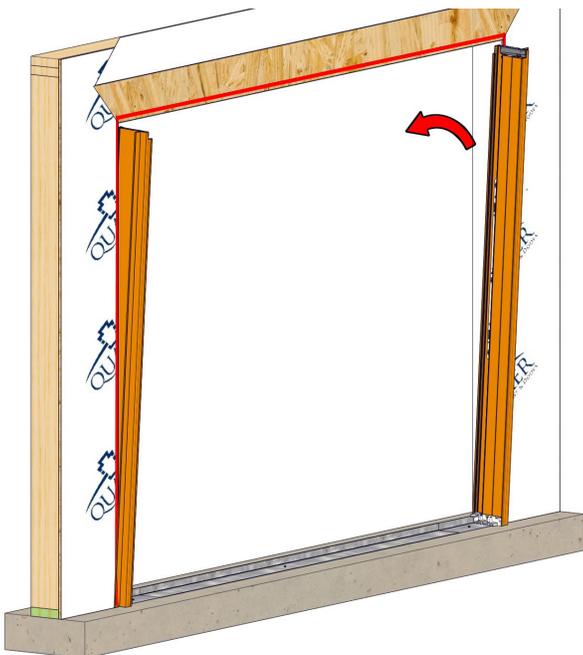
Secure the pans by fastening through into the subfloor, one fastener 6 inches from each end, and one fastener in the middle where they overlap as shown above. Ensure the pans are in line and are tight with their overlap. Apply sealant at the upturned ends that meet the framing.

10

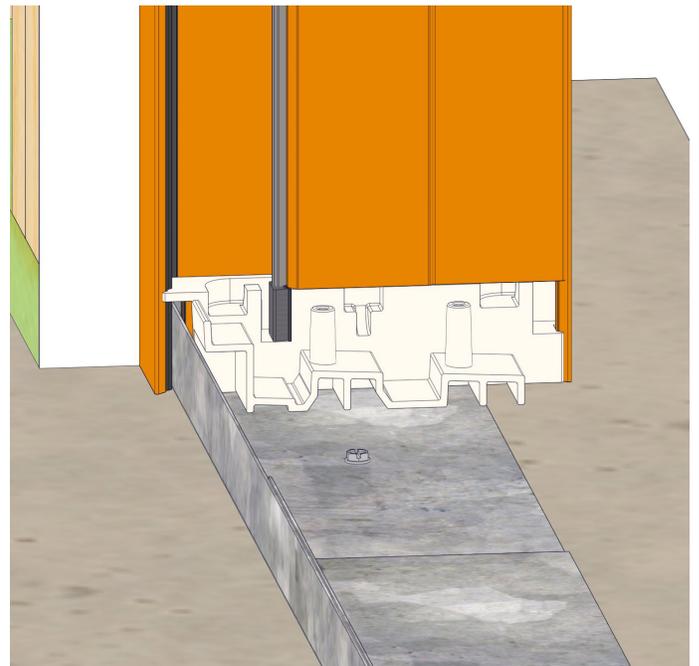


Apply a continuous 3/8" bead of sealant around the perimeter of the opening as shown.

11



Set the jambs in the opening, with the notch in the bottom of the jambs seating over the upturned leg of the flashing pan.

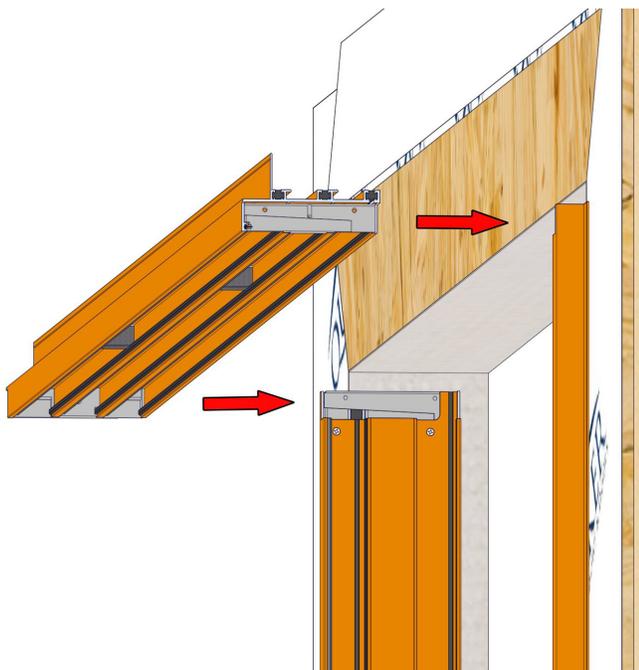


12



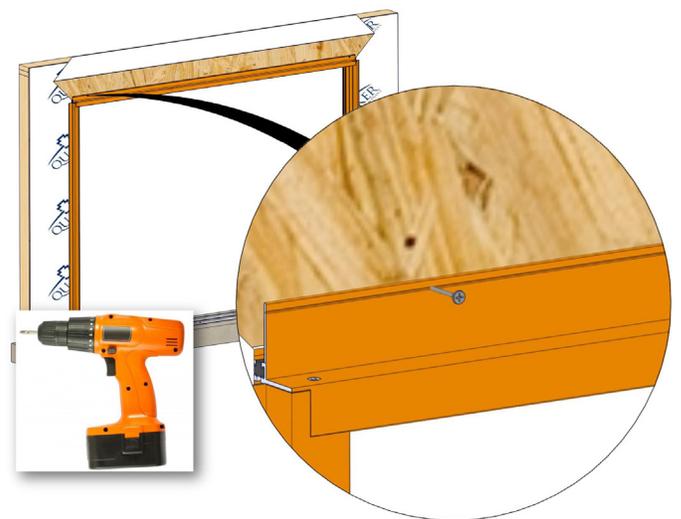
In the lower slotted hole in each jamb, drill a hole and loosely fasten the jamb to the wall framing. The fastener needs to be loose for squaring and plumbing of the frame.

13



Install the frame head by sliding it into the jamb corner blocks. This may take some mild persuasion with a rubber mallet to fully seat the corner keys.

14



Temporarily secure the frame in the opening at the head corner by tacking a fastener through a slotted hole in the nail fin.

15



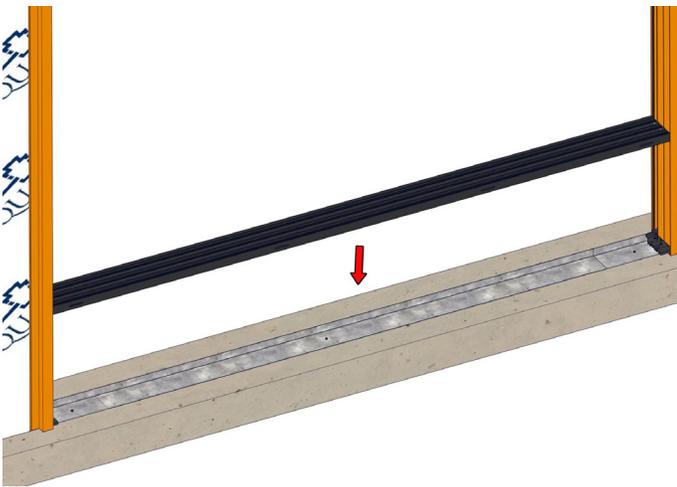
Secure the head and jamb members by installing provided screws into the two screw bosses in each corner key.

16



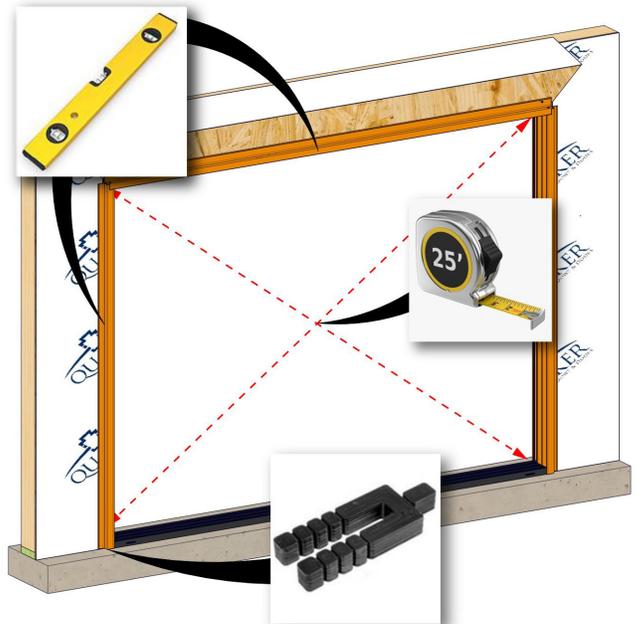
Fill the corner keys with sealant through the small injection port until there is ooze out.

17



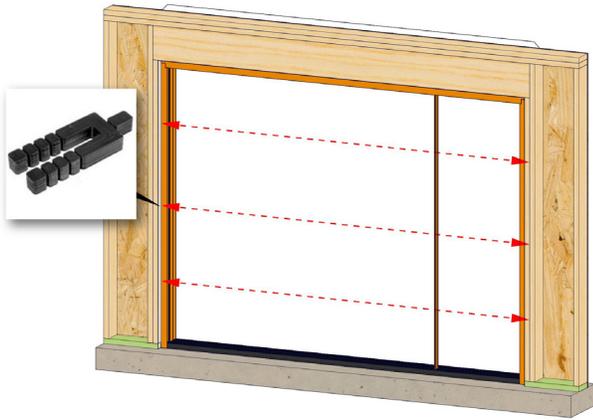
Dry fit the sill over the flashing, and onto the jambs.

18



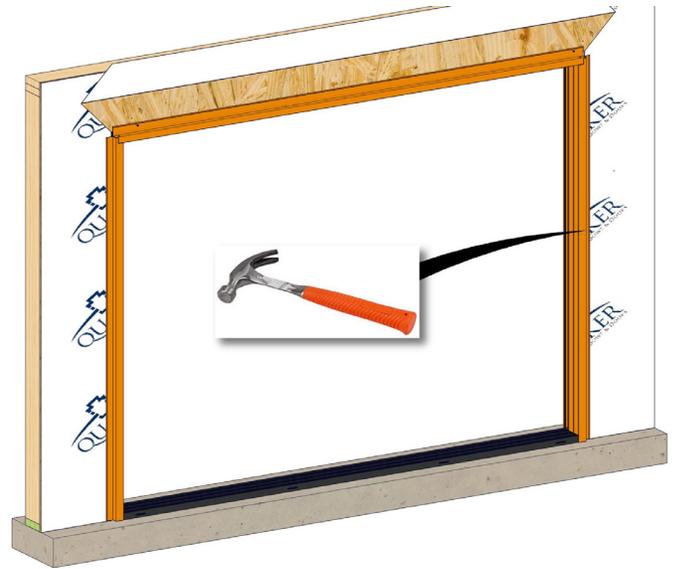
Square, level, and plumb the frame. Adjust shims as needed until diagonal measurements are within 1/8". Remove the sill and shim under the jambs as necessary.

19



Check that the door frame is not bowed at jambs or head, a string line may be required. The jamb cover can be used to ensure equal spacing between the sill and head. Adjust shims as needed until measurements are within 1/8". Shim at sides and at lock locations as required.

20



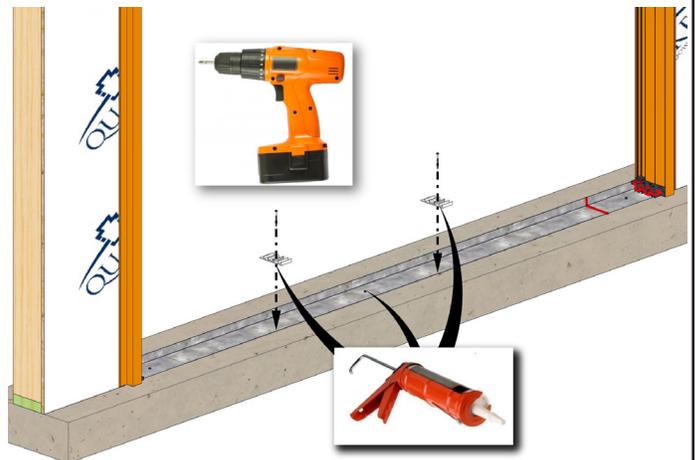
Finish fastening the unit every hole or a minimum of 12" on center.

21



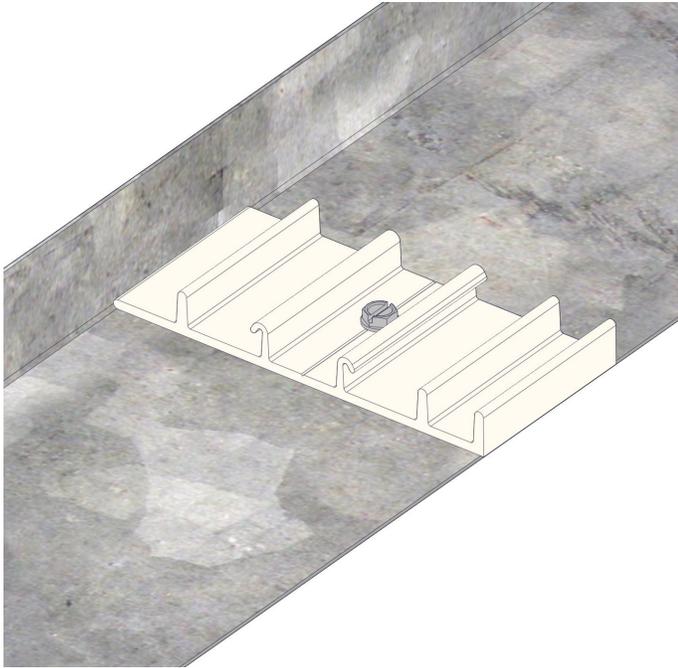
Apply the 2 corner gaskets to each corner and apply sealant as shown above.

22



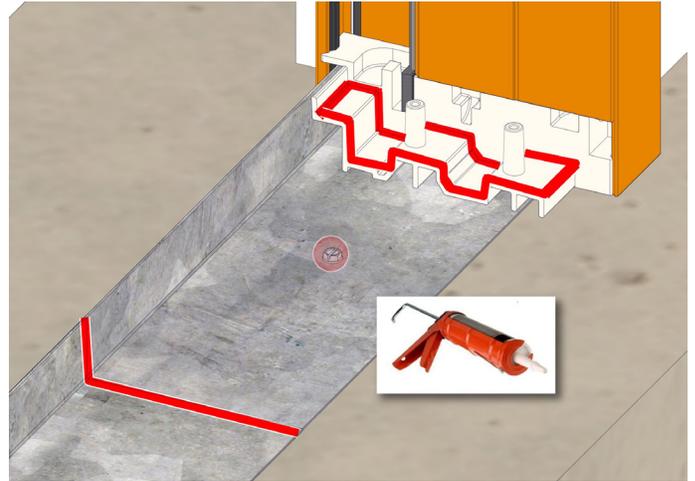
Remove the sill and apply sealant under the provided anchor clips. Install them in 1/3 increments in the opening with screws. The upturned leg of the anchor clips face the exterior.

23



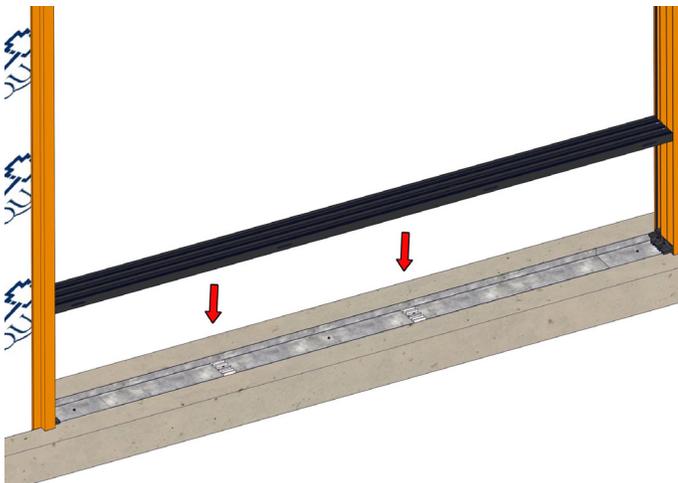
Install anchor clips as shown above and apply sealant over fastener heads.

24



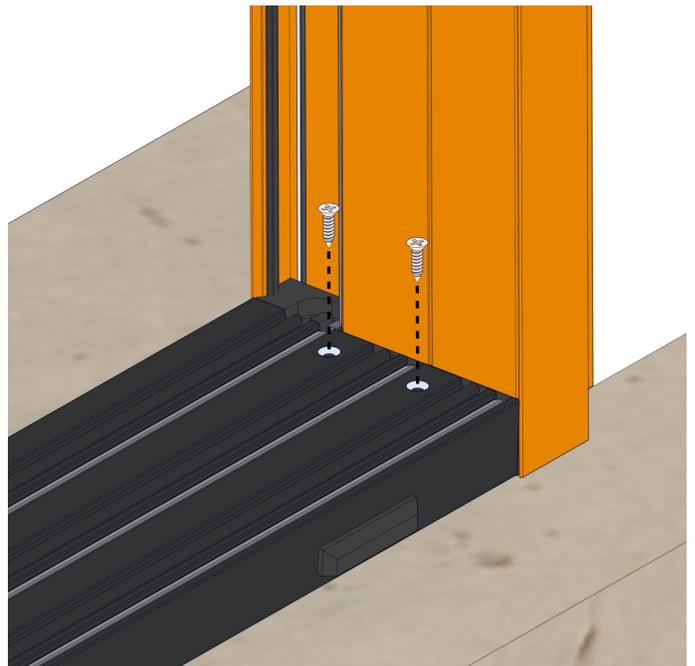
Apply sealant over remaining fasteners, at the pan overlap, and along the edges of the sill corner block at the bottom of the jambs as shown above.

25



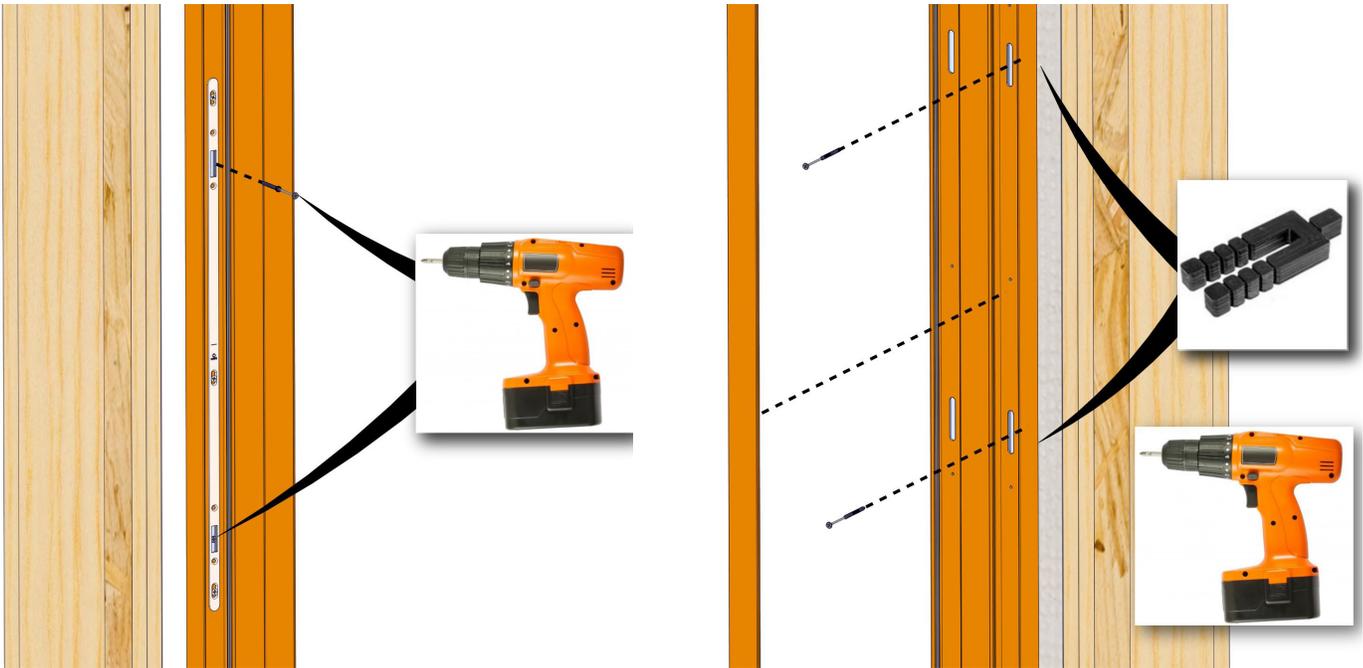
Install sill. Pressure will be required to snap the sill into the anchor clips.

26



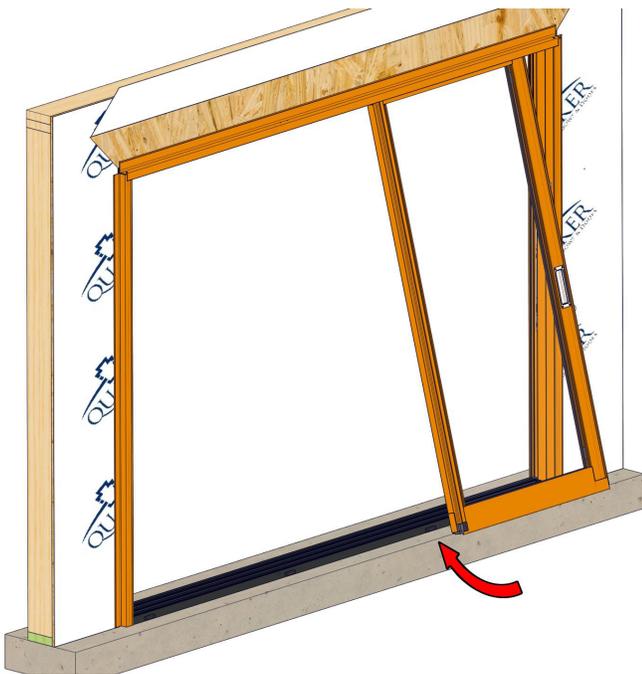
Secure the sill to the jambs by installing 2 screws in each end of the sill.

27



Finish fastening through the jambs in the two slots on each jamb and apply the jamb cover. Shim behind the fasteners as required.

28



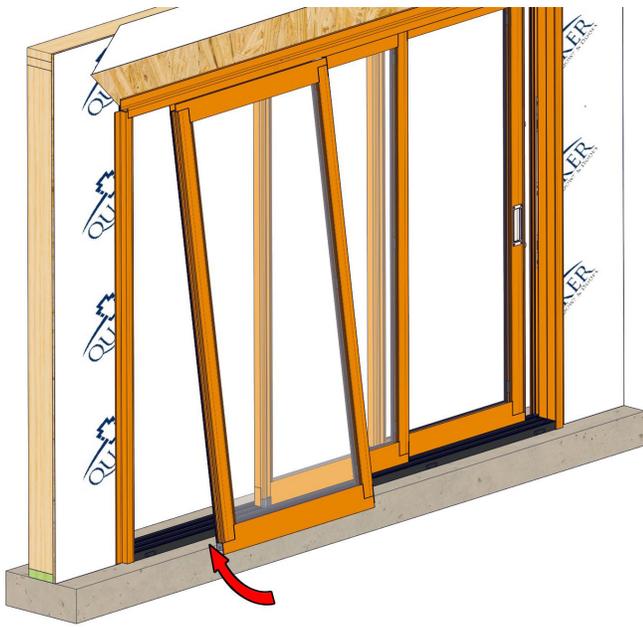
From the exterior, install the most interior panel by tilting the top into the inner most head track and setting the bottom of the panel in the inner most groove in the sill track.

29



Repeat for the middle panel, setting it into the middle tracks in the head and sill.

30



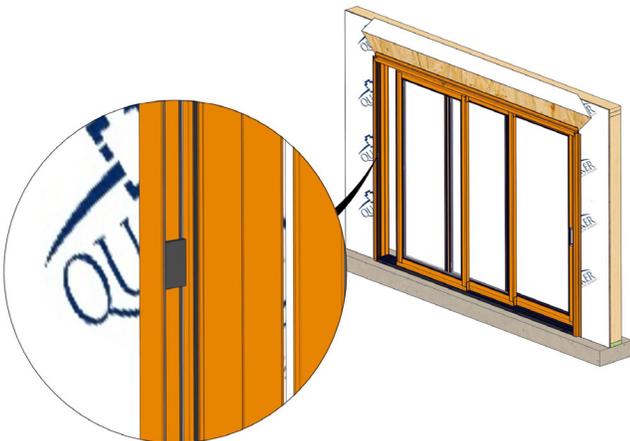
Repeat for the exterior panel, setting it into the exterior tracks in the head and sill.

31



Slide the exterior most panel into the jamb.

32

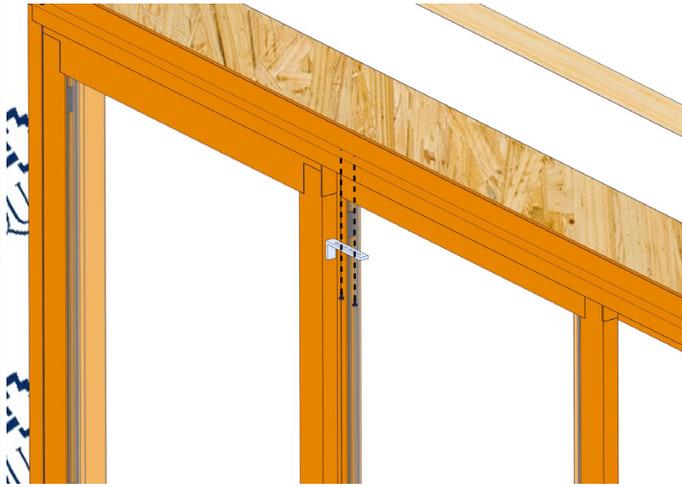


Test the fit and locking of the unit. If needed, install the provided setting blocks in the jamb behind the fixed panel. Adjust as needed to fully engage lock, and panels sit tight.



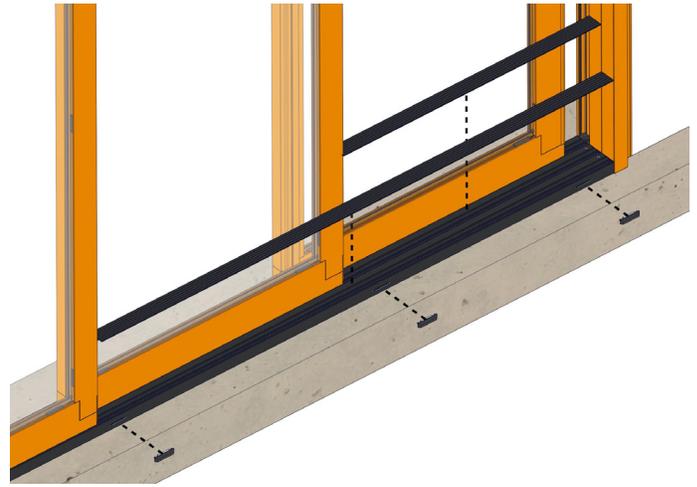
Adjust the strike plate up or down as needed for the lock to properly engage. Secure the strike plate and install the 4 additional screws.

33



With the fixed panel properly shimmed, install the angle bracket in the head track with provided screws and lock washers to secure the panel in place.

34



Remove the protective backing off the self adhesive tape on the back side of the sill track covers and install covers on the sill track. Persuasion with a mallet and beating block is helpful. Do not hammer the track covers directly, always use a beating block. Install the weep covers.

35



Apply flashing tape at the sides of the door as shown. Smooth using a J-roller. Extend tape a minimum of 2" past door frame, but not more than the thickness of the flashing tape.

36



Apply a 3/8" sealant bead to the top exterior edge of door frame before installing the drip cap. Apply flashing tape over the drip cap leg, overlapping the side flashing as shown. Smooth using a J-roller.



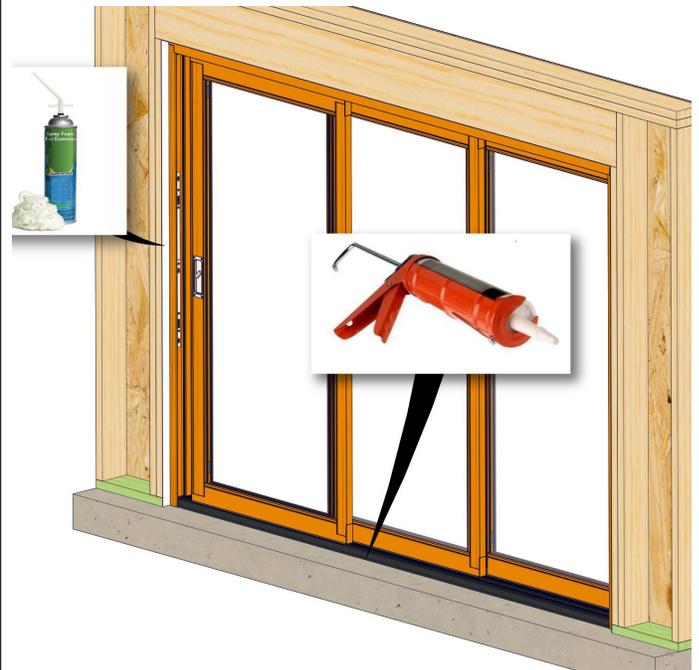
Side flashing cannot extend above the top flashing. Doing so could result in product or property damage.

37



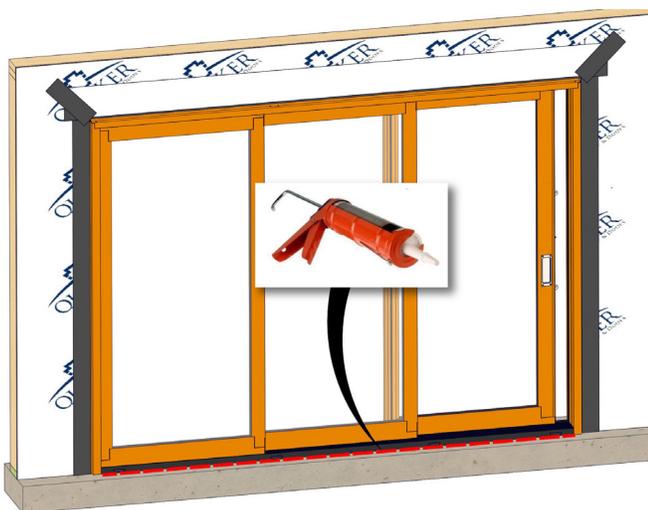
Unfold the house wrap top flap and tape the angled seams as shown.

38



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

39



Apply a discontinuous bead of sealant at the exterior base of the sill



Installation Guidelines For ModernVu Multi-Slide Door in new construction 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.

Scan here for a digital version of these guidelines in English



Scan here for a digital version of these guidelines in Spanish



Or go to: <http://quakerwindows.com/installation-instructions/>

Or go to: <http://quakerwindows.com/installation-instructions-spanish/>

