VuPoint (V300)
V-Series Outswing Door w/ Standard Threshold
Installation Guide

IG-089 12/17 V. 1.1

QUAKER RESIDENTIAL

VuPoint

Scan Here for a Digital Version of the Installation Guides in English.

Quartz Residential Windows & Doors:
www.quakerresidentialwindows.com

QUAKER COMMERCIAL

V300

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Quaker Commercial Windows & Doors:
www.quakercommercialwindows.com

If this set of instructions does not match your installation method or the wall conditions of the job site, please check our website listed below for other options, or call Quaker Customer Service for additional information.

QUAKER WINDOWS & DOORS

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(800) 347-0438
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Vupoint (V300)

V-Series Outswing Door w/ Standard Threshold Installation Guide

Read these instructions completely before starting any installation. Failure to install and maintain our product according to these instructions may void any product warranty. Please visit our website at www.quakerwindows.com or call 1-800-347-0438 for additional information.

Tools required by installer:

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

Materials required by installer:

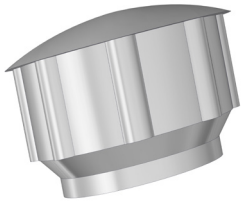
Foam Backer Rod		Minimally Expanding Foam	
Shims (Waterproof)		Sealant	
Flashing tape (Self-Adhering)		Water Resistant Barrier/House Wrap (WRB)	
Fasteners		IPA Alcohol	
		Drip Cap	

Materials Supplied by Manufacturer:

Starter Track Sill Pan

Wedge Gasket for Sill Pan

3/8” Hole Plug



⚠ WARNING

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. Unless safety glass is ordered, Quaker windows are not provided with safety glass. Before ordering, 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

- Always support window or door in opening until fully fastened. Failure to do so could result in the window or door falling out or causing injury, product, or property damage.
- Nailing flanges and drip caps (integral or applied) **do not** take the place of window 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.
- **Do not** set window directly on sill plate. Place shims under the side jambs. Window or 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 the Span/720 or 1/4" whichever is less.
- Windows and doors have small parts. Small parts if swallowed could pose a choking hazard to young children. Dispose of unused, loose, or easily removed small parts. Failure to do so could result in injury.
- **Do not** drill through or into window 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 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.
- 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.

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.

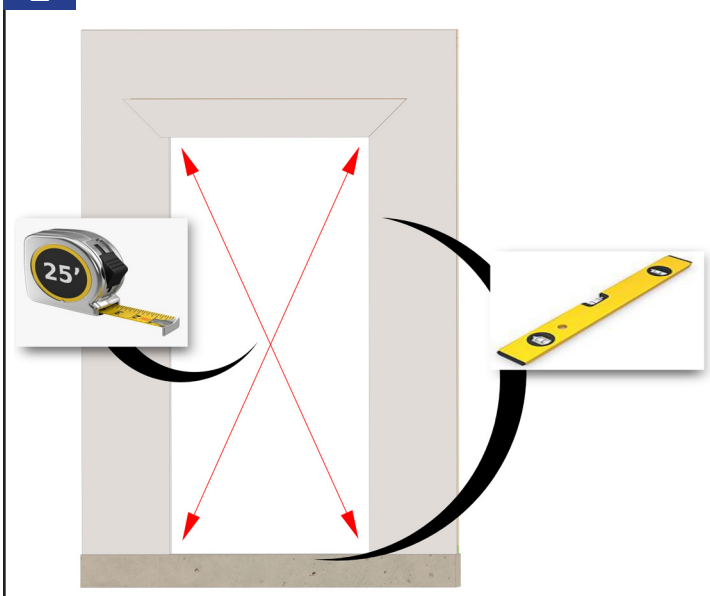
Cleaning

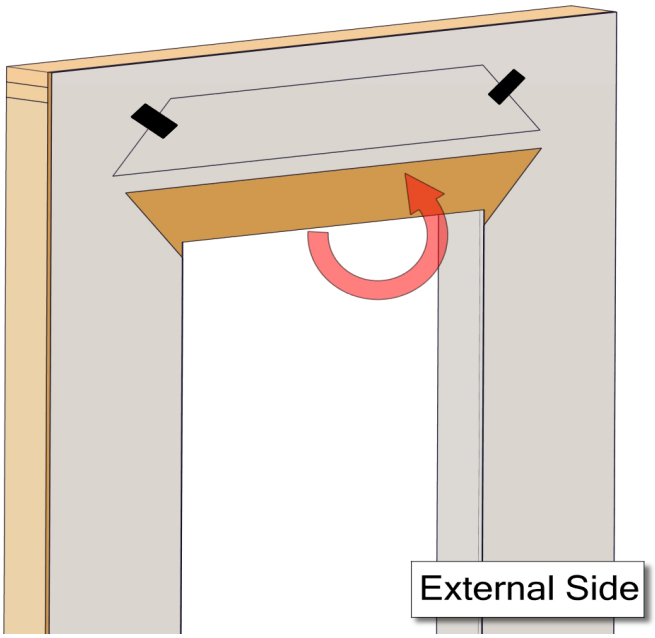
- Acid solutions used for cleaning will damage glass, fasteners, hardware, and metal flashing. Protect these products and follow cleaning products manufacturers instructions. If acid contacts the window or door, wash all surfaces immediately with clean water.
- **Do not** use razor blades to clean glass 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.
- 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. Consult a contractor or architect for recommendations.
- Inspect all units for any damage or defects prior to installation. Contact the nearest Quaker distributor if there are any problems.

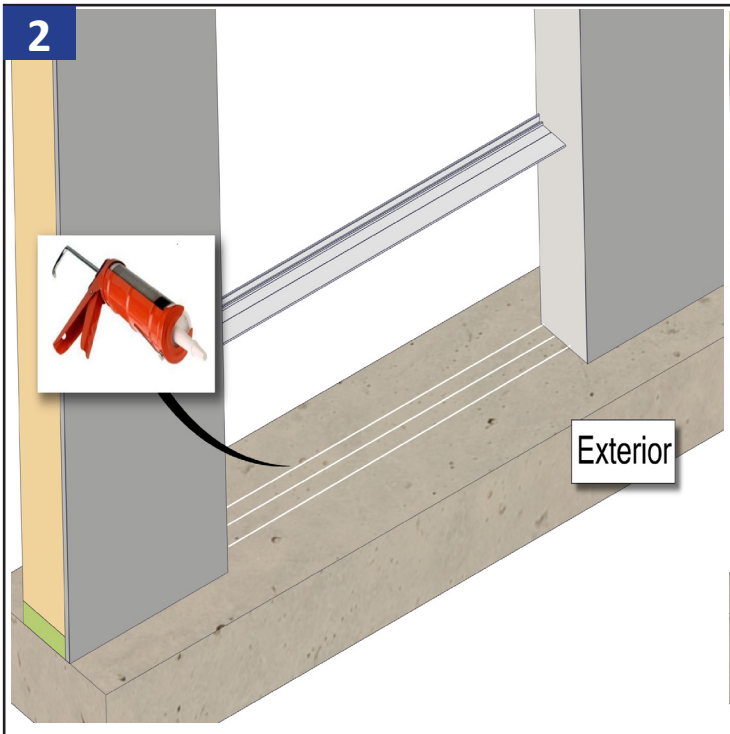
1

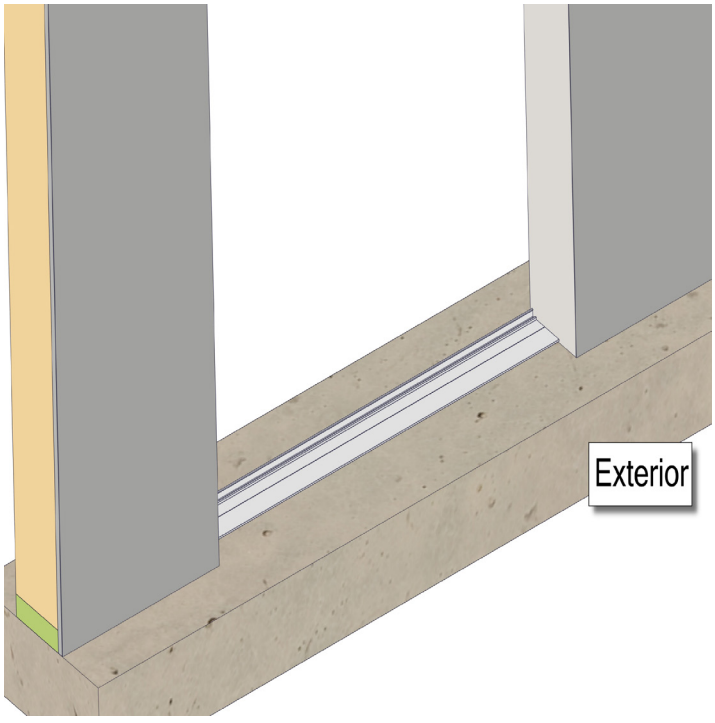




Measure and verify the size of the rough opening. See shop drawings for the proper opening sizes. Verify the rough opening is flat, plumb, level, and square. Fold the building wrap weatherproofing up and temporarily tape in place.

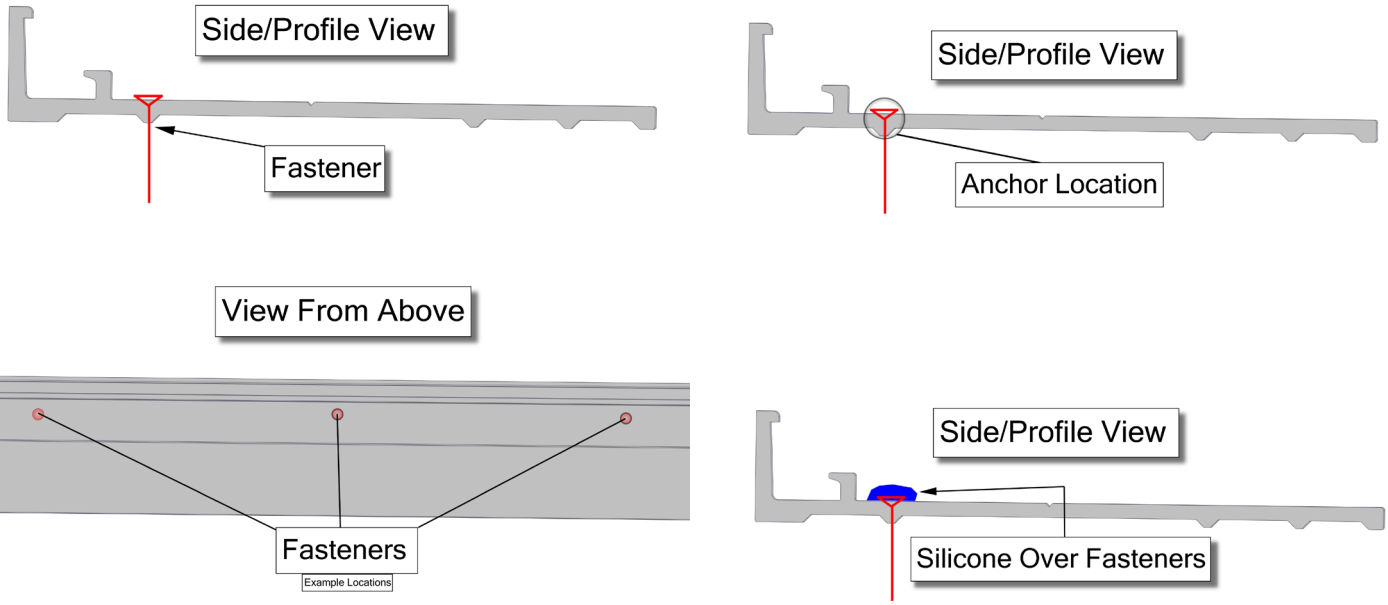
2





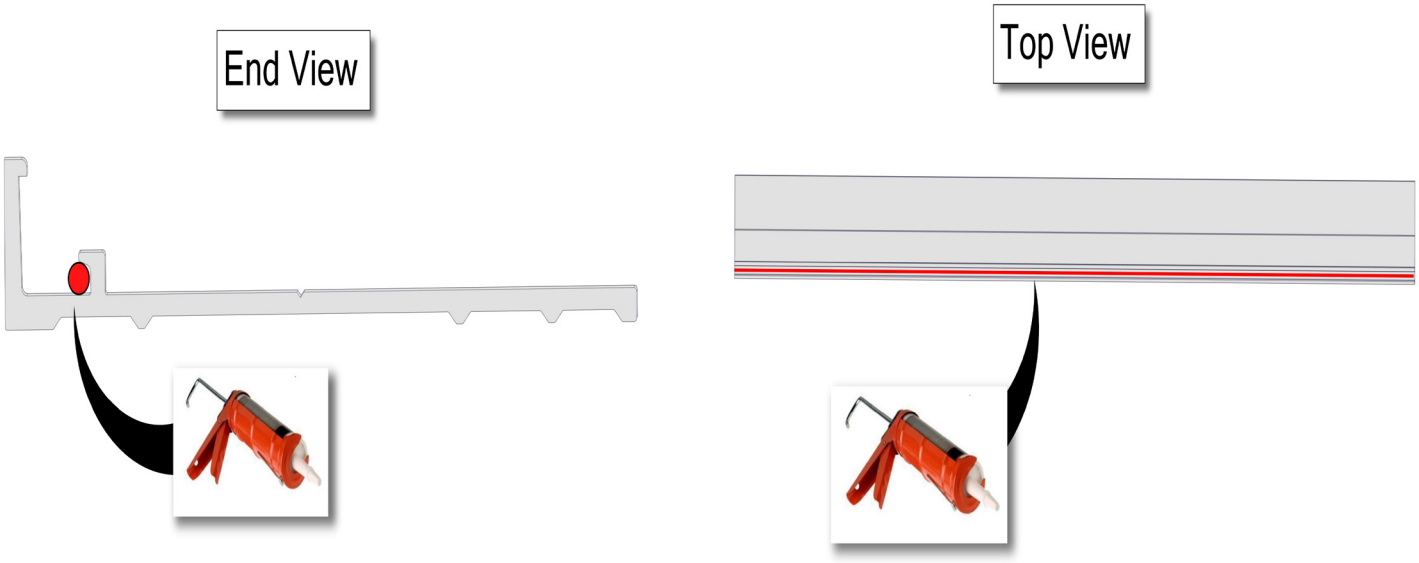
Align the interior of the sill pan with the interior of the rough opening to allow full travel of the door panel. Check the fit of the sill pan system making sure the conditions are level. Apply three 3/8" continuous beads of silicone across the entire width of the rough opening threshold. **THRESHOLD MUST BE LEVEL!**
Quaker recommends **self-leveling concrete,** if not available - shim 12" or less on center.

3



After placing sill pan, pre-drill holes and fasten the sill pan in place with screws per shop drawings or anchorage calculations. Typically #8 x 2” deck screws that are 4” from each end and 14” on center at the threshold. Ensure that every fastener location is sealed generously and completely with silicone.

4



Just before placing the door in the opening, run a continuous bead of silicone along the length of the sill pan. Ensure the bead is placed in the groove shown above.

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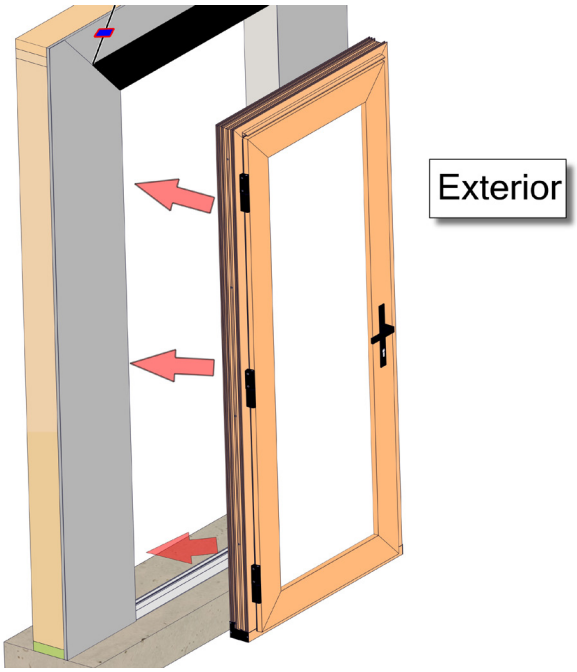
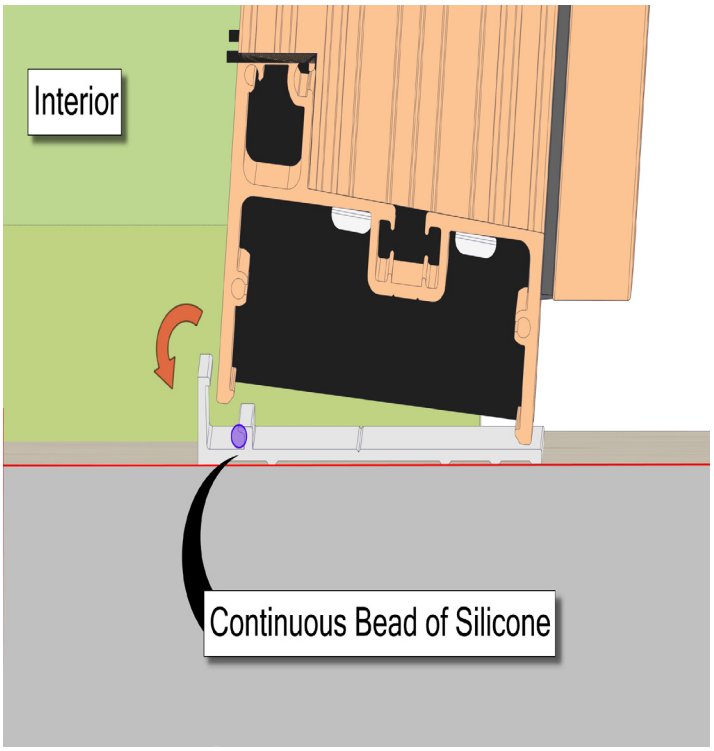
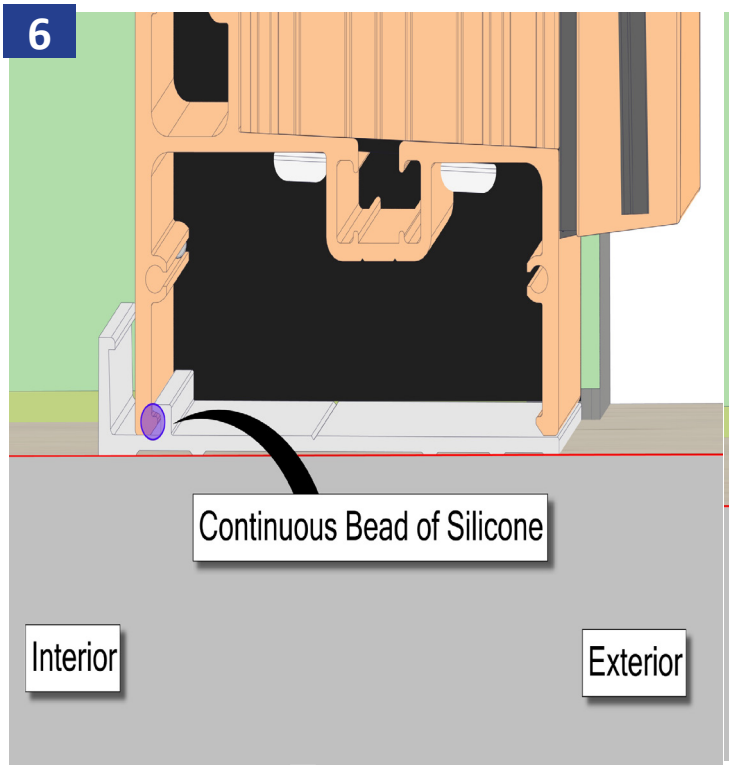
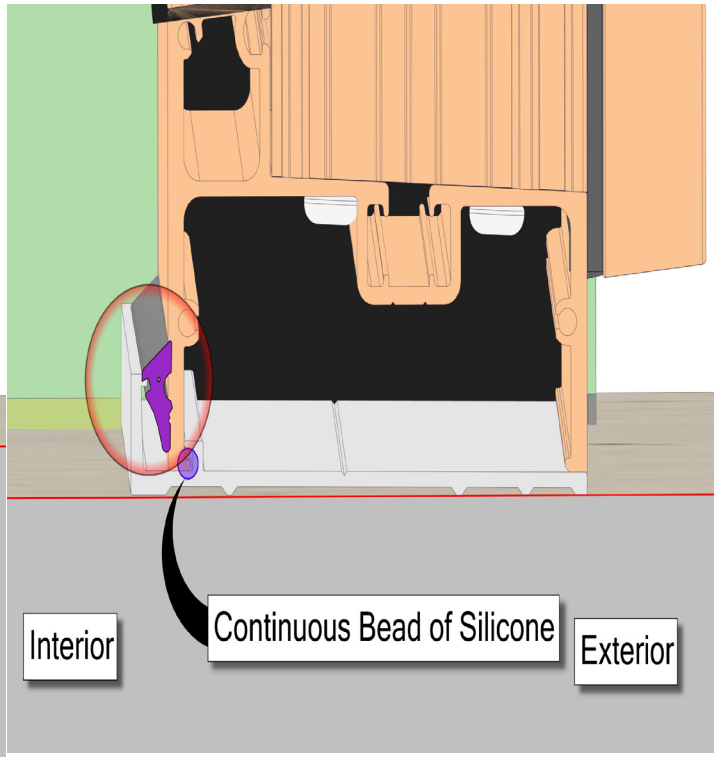




Center and set the door frame into the rough opening, making sure there are equal gaps on both sides of the door frame. Angle the door frame with the top tilted out, and set the door threshold onto the sill pan so the notches meet at the continuous bead of silicone.

6





Set door position shown above. Once the door has been set on the sill pan, install the wedge gasket (circled).

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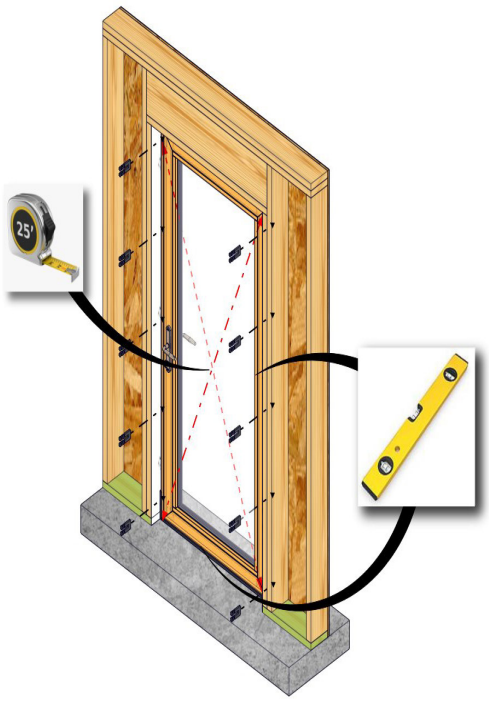
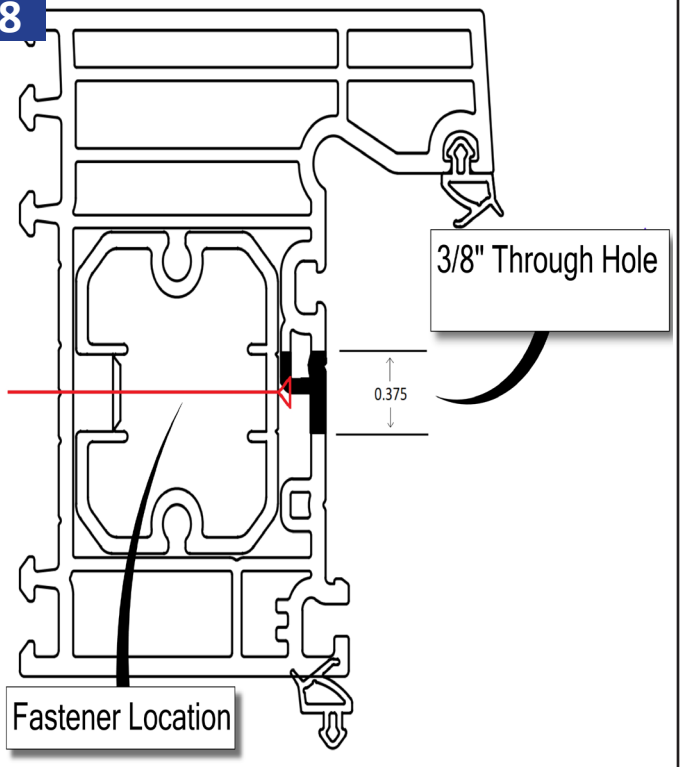


From the interior, square the frame in the opening by installing shims between the jambs and framing.

8



Horizontal cross-section of frame, drill a 0.375 through-hole in the first layer of vinyl (in black). The fasteners will then be drilled through the reinforcement into the rough opening. This is shown in red.

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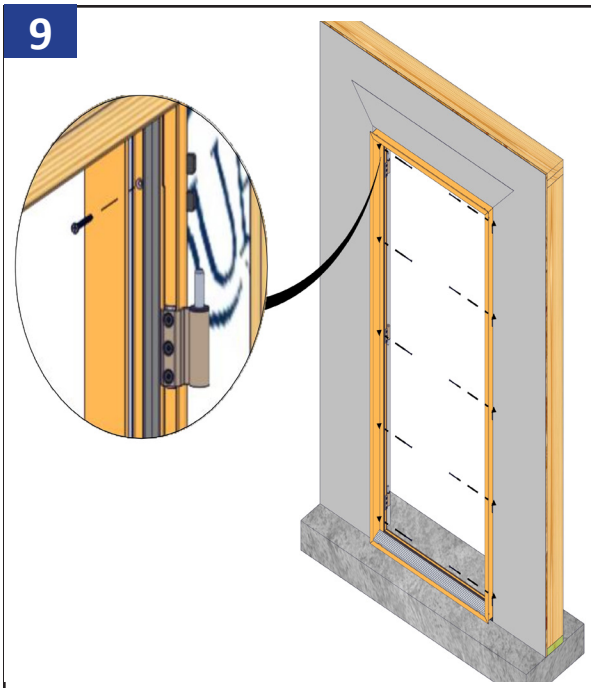
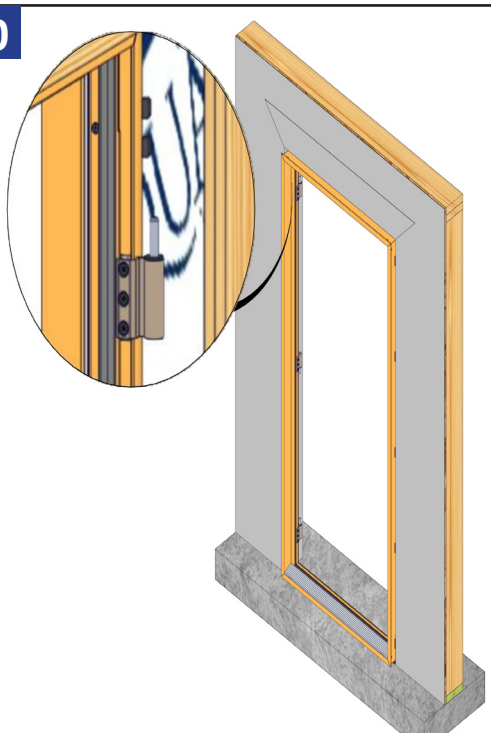


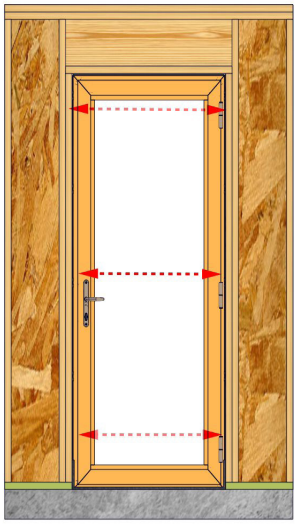
Drill a 0.194” clear hole through the jambs in the exterior track per anchorage calculations. **Quaker Window Products does not supply or claim liability for anchorage/fastener calculations. It is the installer/client’s responsibility for structural adequacy of the anchorage and fasteners.** Typically, a #8 screw 4” from each end and 14”on center at head and jambs.

10



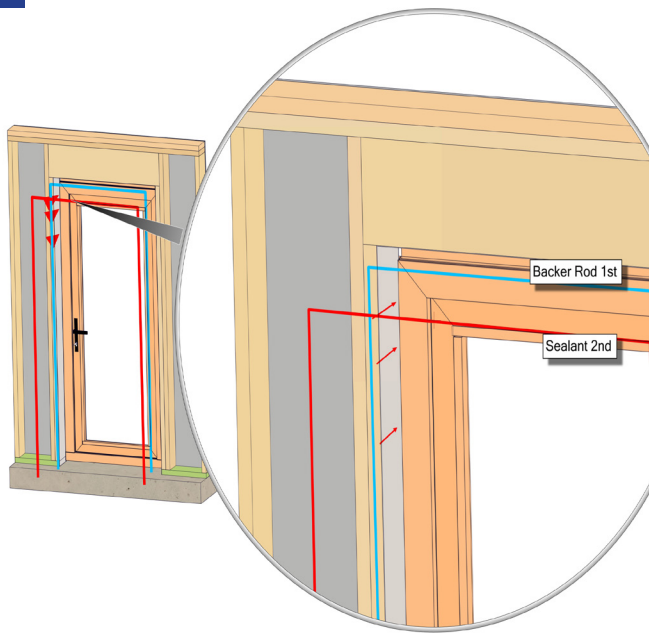
Install and fasten the door unit in place using fasteners by others per anchorage calculations. Always follow the anchorage calculations and fastener/anchor manufacture’s guidelines for proper edge distance, load capacity and installation techniques.

11



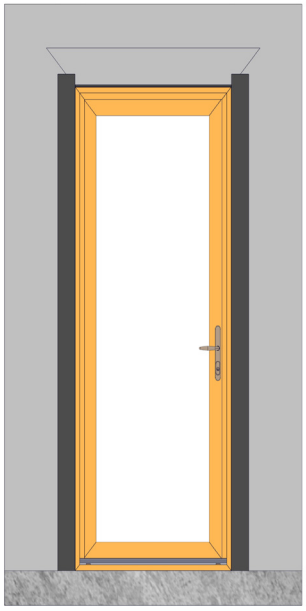
Verify the door is square, level, and plumb. Check the spacing around the door at the top, middle, and bottom to make sure the door is not over shimmed.
See hinge and lock adjustment guides if adjustments are needed.

12



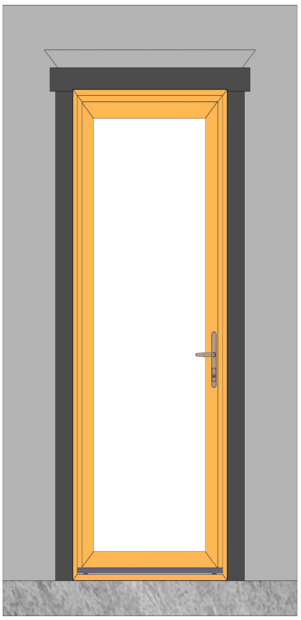
Press the backer rod (blue) into the space between the building condition and the frame. Then apply a continuous bead of sealant (red) in the same space over the positioned backer rod, tool in sealant. Ensure that the space between the frame and the building condition is completely sealed.

13



Cut two pieces of flashing tape for jamb flashing extending 1” above head. Remove release paper and press tightly along sides of door frame.

14



Cut a piece of flashing tape for the head flashing, which extends beyond outer edges of jamb flashings. Remove release paper and adhere to exposed sheeting or framing members.

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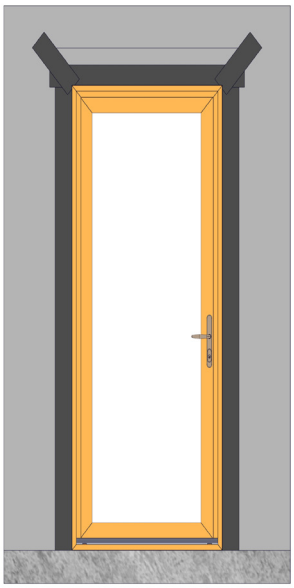

Flip down upper flap of WRB so it lays flat across head flashing, then trim 1” - 2” above the door opening. Tape along all cuts in WRB and across head of the door with flashing tape.

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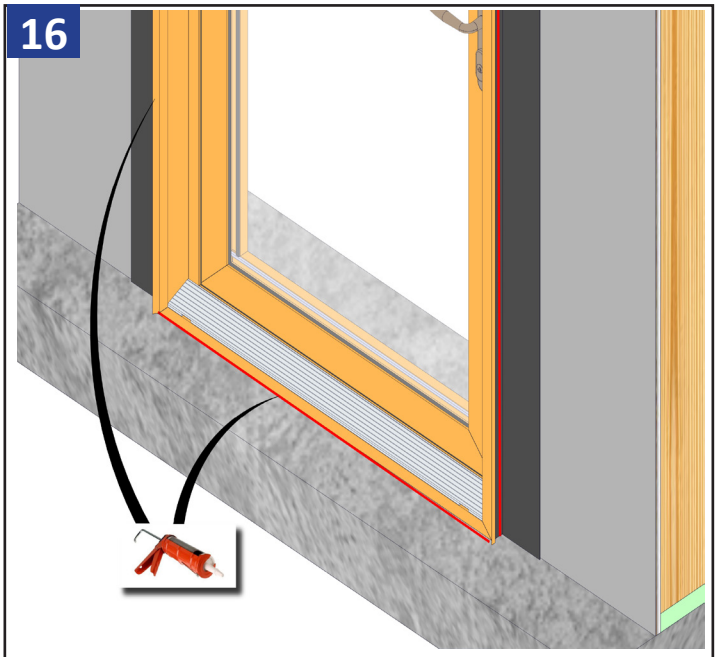

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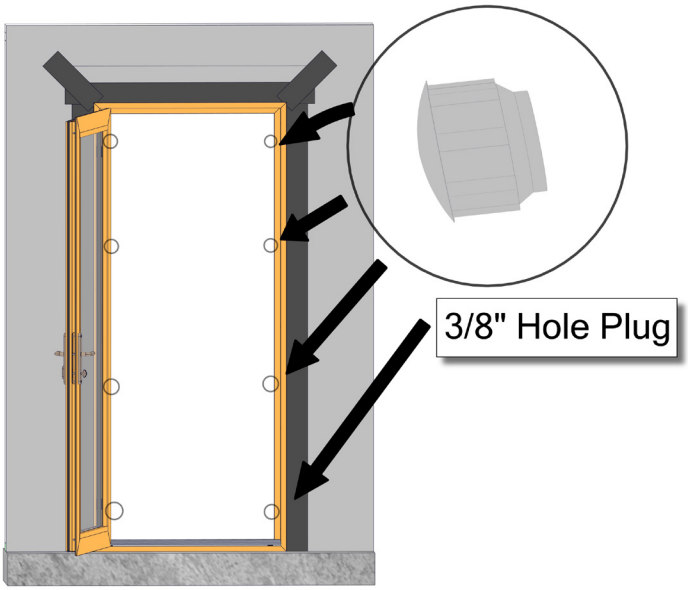
17



Fill the through holes in the frame with the 3/8” Hole Plugs.