CityLine/CityVu & EdgeLine/EdgeVu (M600)
M-Series Sliding Door XO/OX Installation Guide

IG-006 REV. 04/24 1.8

QUARTZ LUXURY

CityLine EdgeLine

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

Quartz Luxury Windows & Doors:
www.quartzluxurywindows.com

QUAKER RESIDENTIAL

CityVu EdgeVu

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Quartz Residential Windows & Doors:
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QUAKER COMMERCIAL

M600

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Quaker Commercial Windows & Doors:
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Para ver las instrucciones en Espanol, escanea aqui.

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

Quaker Window Products
504 U.S. Hwy 63 South
Freeburg, MO 65035
(800) 347-0438
www.quakerwindows.com

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

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M-Series Sliding Door XO/OX 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 Resistamt Barrier/House Wrap (WRB)	
Fasteners		IPA Alcohol	
		Drip Cap	

⚠ 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 fragment can cause 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.

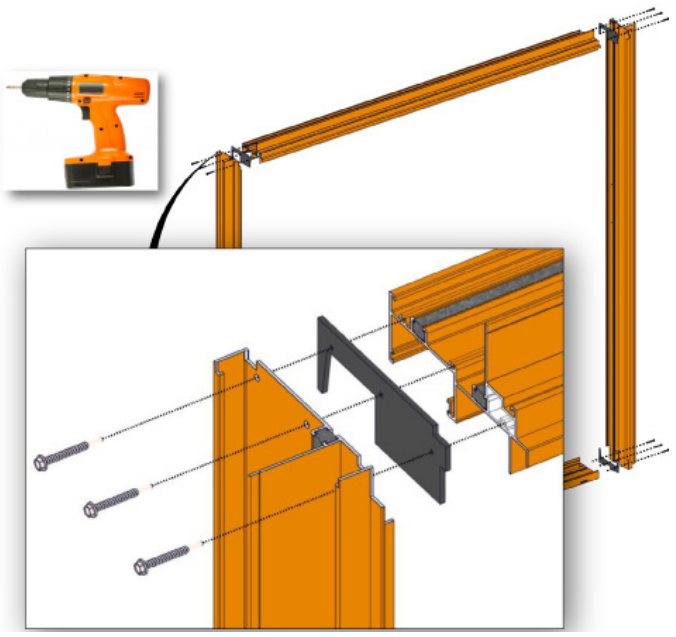
Cleaning

- 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

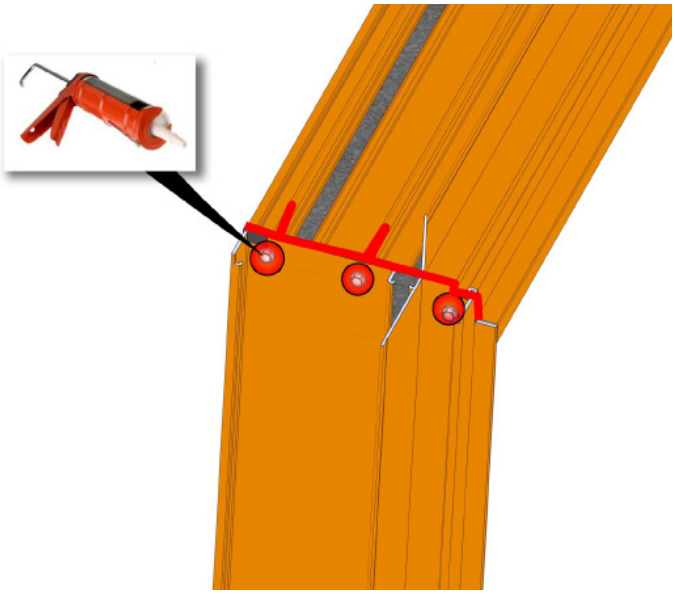
- Buildings constructed prior to 1978 could contain lead paint which could be disturbed during window or door replacement. For more information on proper management of lead paint, go to: **www.epa.gov/lead**
- Care must be taken to properly recycle or dispose of old materials. Any recyclable materials 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



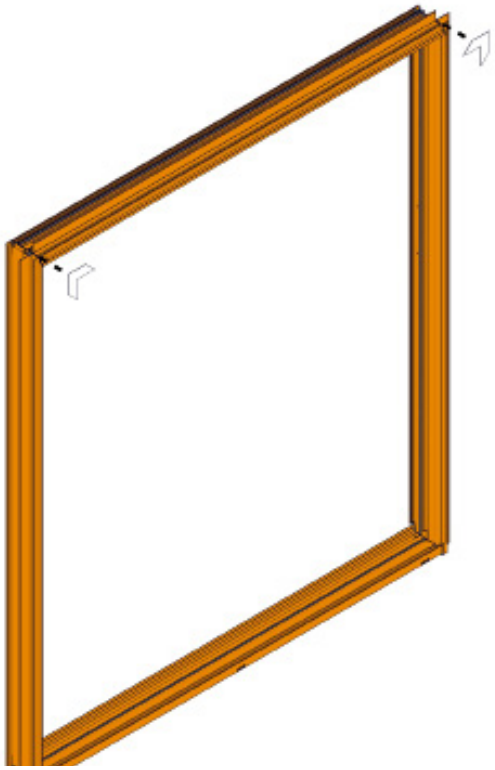
Apply the head and sill gaskets to each end of the head and sill. Assemble jambs to head and sill assembly with the 12 fasteners provided (MH8-18X11/2 LP) Install the jamb with the door keeper holes to the side of the sill that does not have the fixed panel adapter.

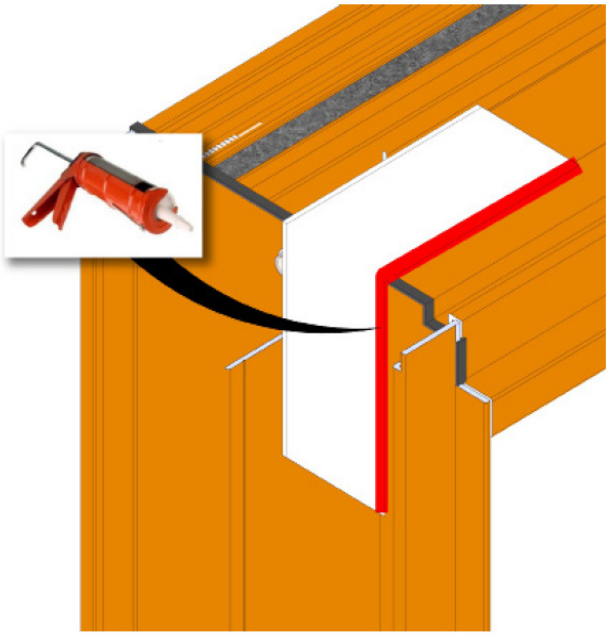
2



For KD and pre-assembled frames, seal around all screw heads, exposed screw threads, and outside corners.

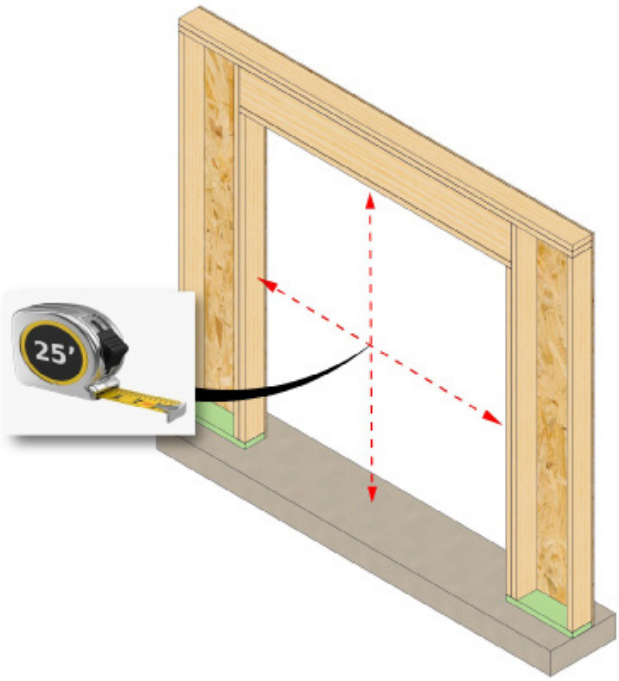
3





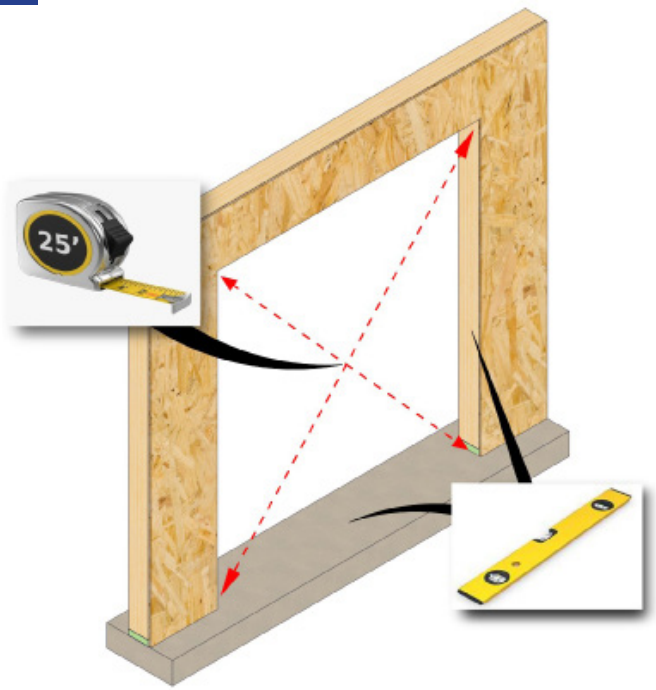
Clean the nail fin corners with 99% isopropyl alcohol prior to installing the aluminum corner to the exterior side of nail fin corner gaps. Apply sealant along the edge where the gasket meets the door frame as shown.

4



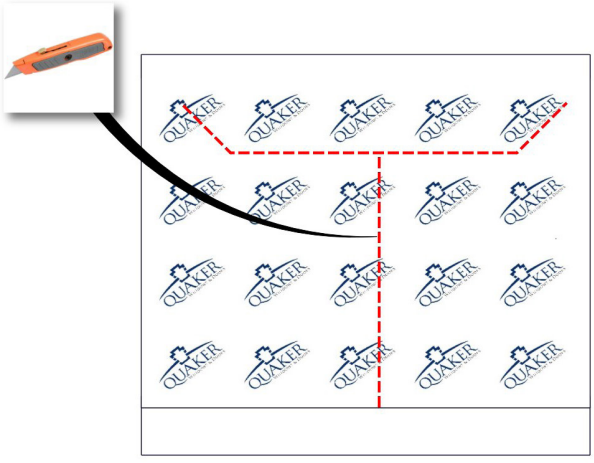
Measure and verify the rough opening is sized correctly. The rough opening should be 3/4" wider and 1/2" taller than the unit. Allow additional space for flashing thickness, installation clips, joining components, and their fasteners.

5



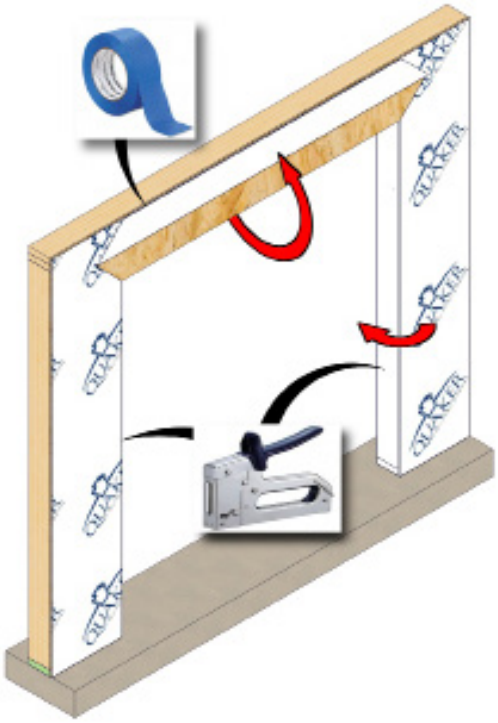
Check that the opening is square. The diagonal measurements need to be within 1/8" of each other. Verify the rough opening is plumb and level.
The sill plate beneath the unit must be level for proper unit operation.

6



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

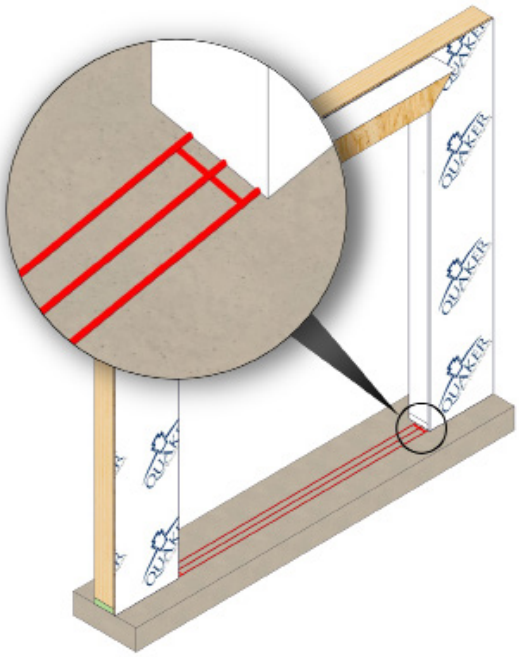
7



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.

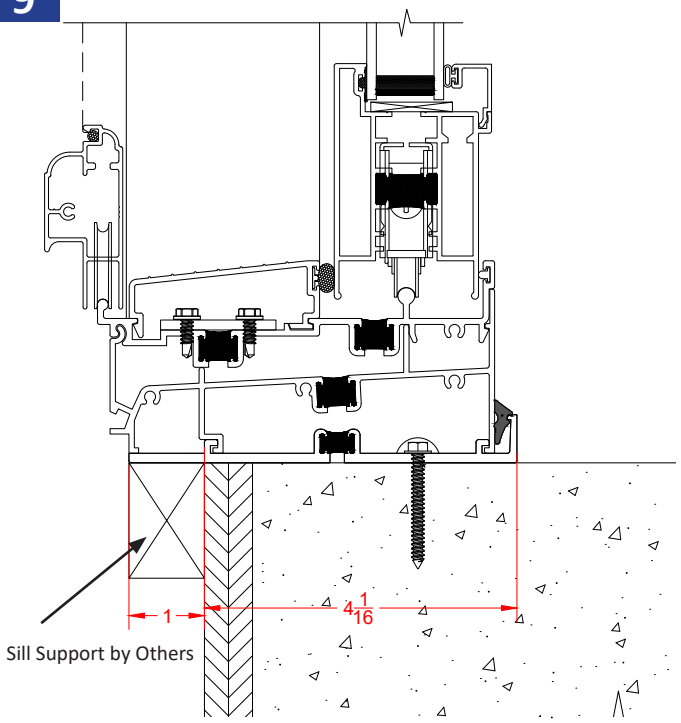
Quaker reserves the right to change the information contained in these guidelines without notice.

8



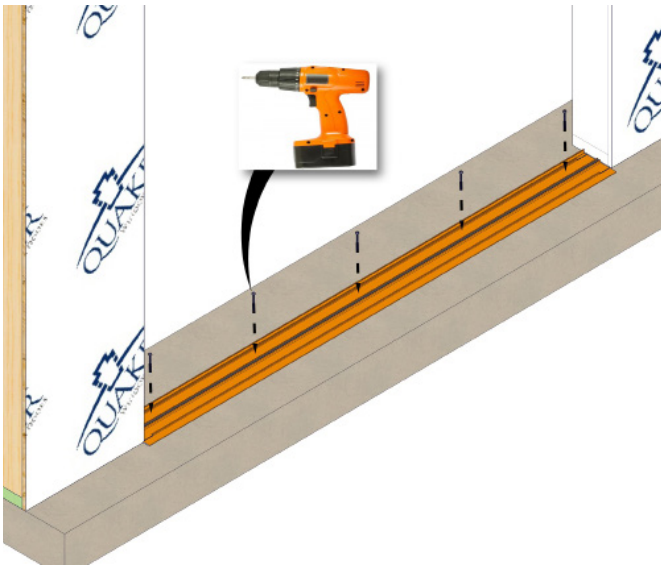
The sub-sill anchor plate will set 4 1/16” in from the exterior face of wall framing. Apply three 3/8” continuous beads of sealant across the entire width of the rough opening sill where the sub-sill anchor plate will set. Apply two 3/8” continuous beads of sealant the depth of the anchor plate, 1/2” from each side of opening as shown above.

9



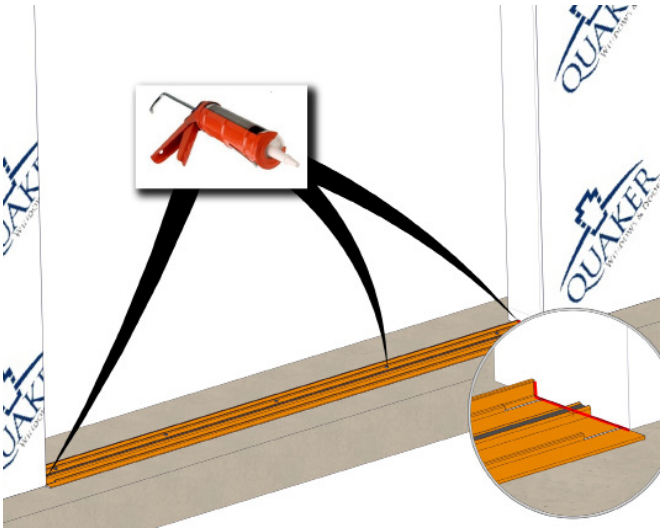
Install the sub-sill anchor plate 4 1/16” in from the exterior face of wall framing.
The unit must be supported the full width and depth of the sill.

10



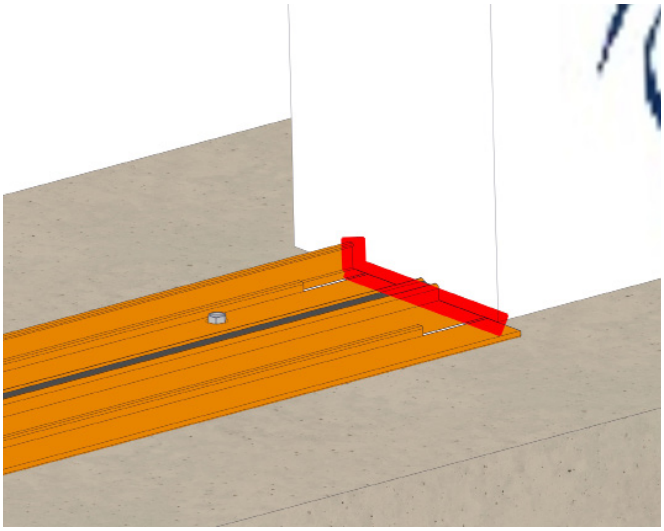
Fasten sub-sill anchor plate as shown above. Fasten the unit every hole or a minimum of 12” on center.

11



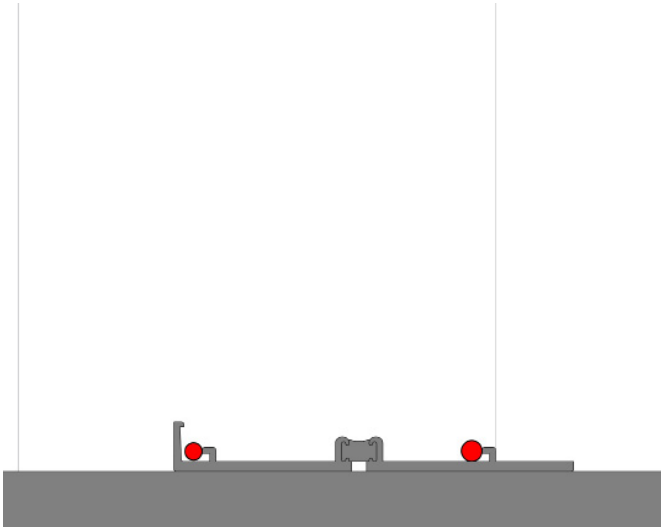
Apply sealant over fastener heads and at the ends of the sub-sill anchor plate where the plate meets the wall framing.

12



Be sure to run a bead of silicone across the plate and up the interior leg as shown above.

13

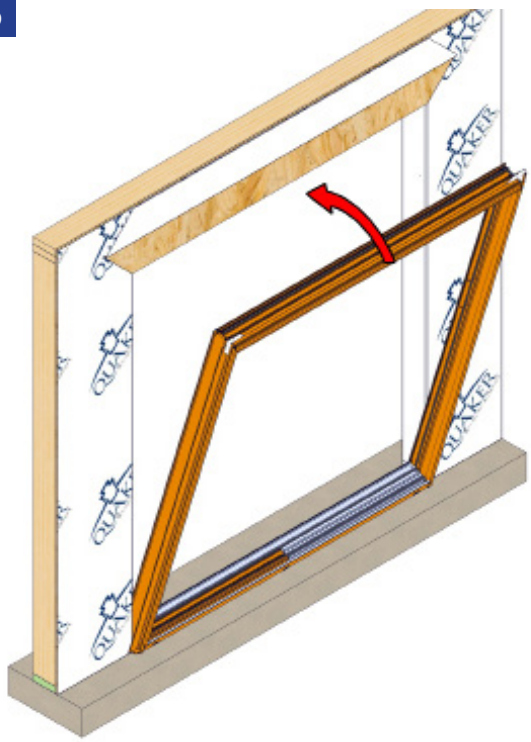


Run a continuous bead of sealant along each leg the entire width.

14

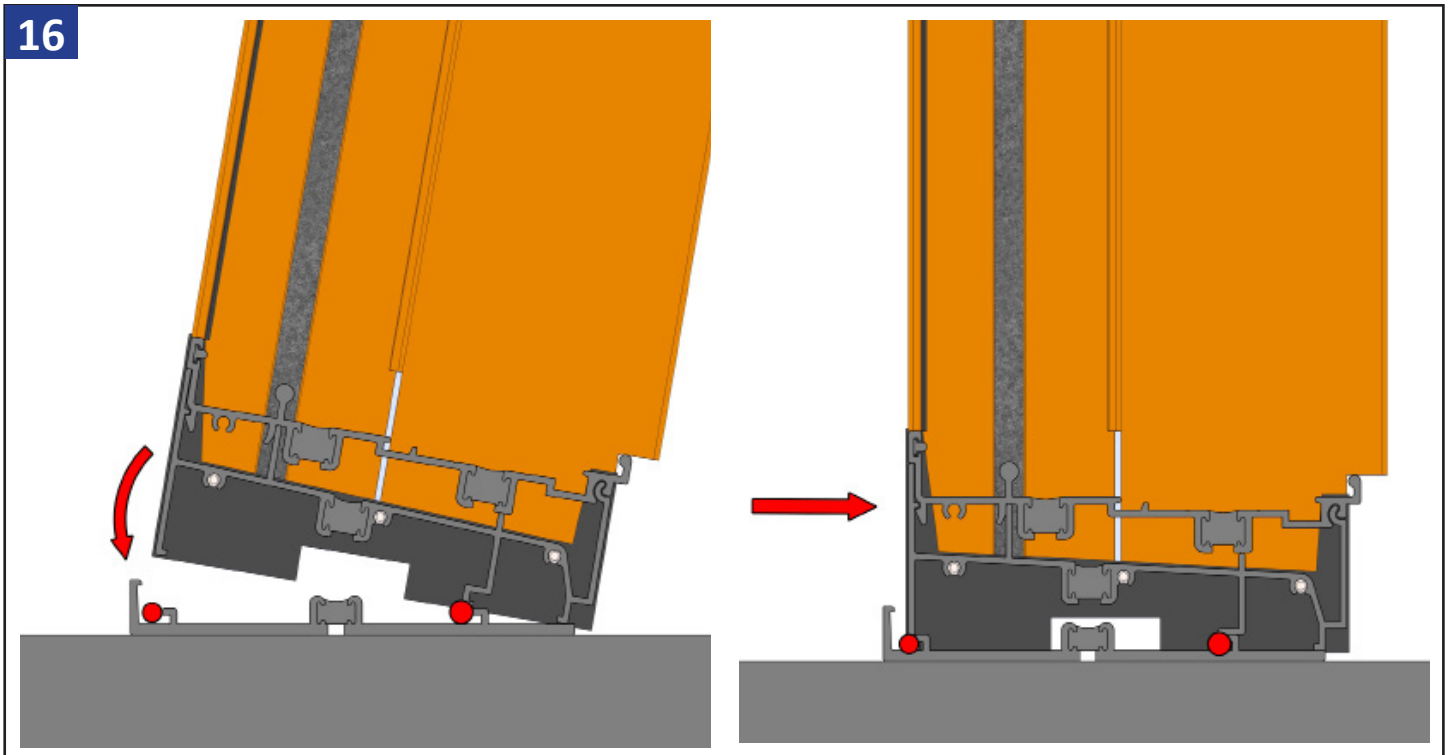
Apply a continuous 3/8” diameter bead of sealant along the backside of the nailing flange. Bead must run around both sides and across the head, in line with and completely covering the nail flange holes.

15



Center and set the door frame into the rough opening, making sure there are equal gaps on both sides of the door.

16

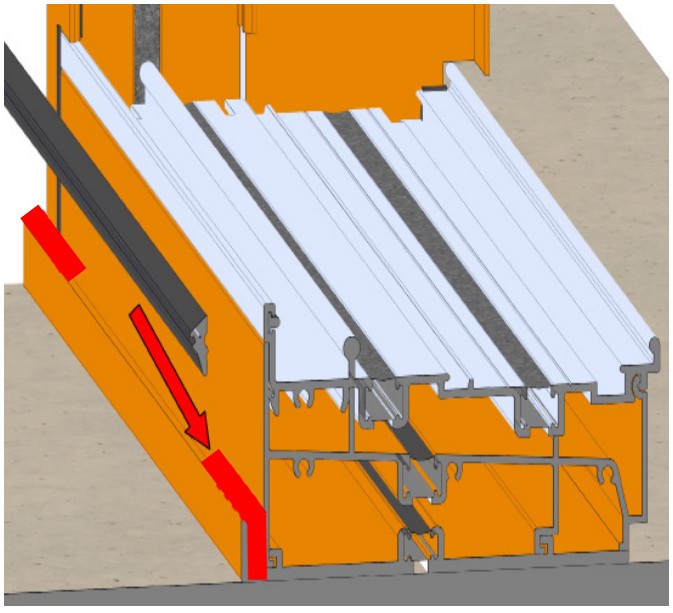


Angle the door frame with the top tilted out, and set the exterior sill frame inside the exterior leg of the sub-sill anchor plate as shown above. Tilt the door frame in against the wall framing, and push the sill out to lock the sill into the sub-sill anchor plate.

17

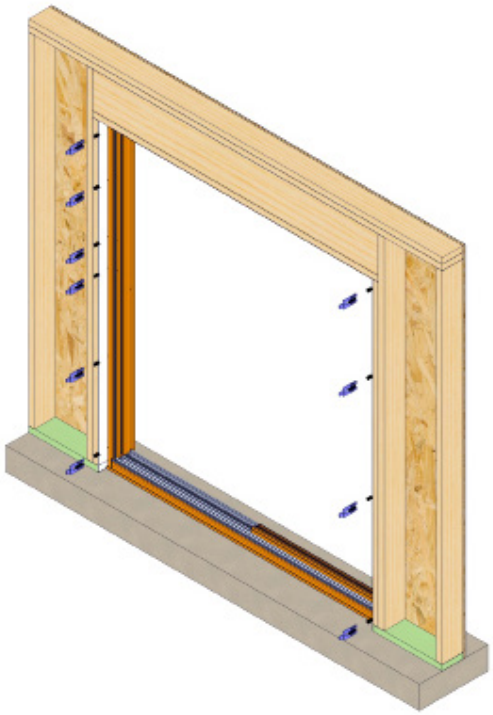
Temporarily tack the door into place using 2” galvanized roofing nails through the pre-punched holes on one top corner of the nailing flange.

18



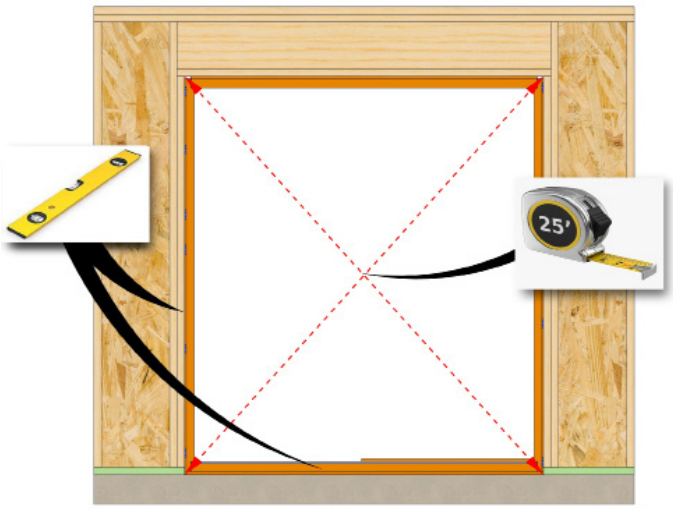
Run a 1” long bead of silicone completely filling the wedge gasket track at each end. Then install wedge gasket.

19



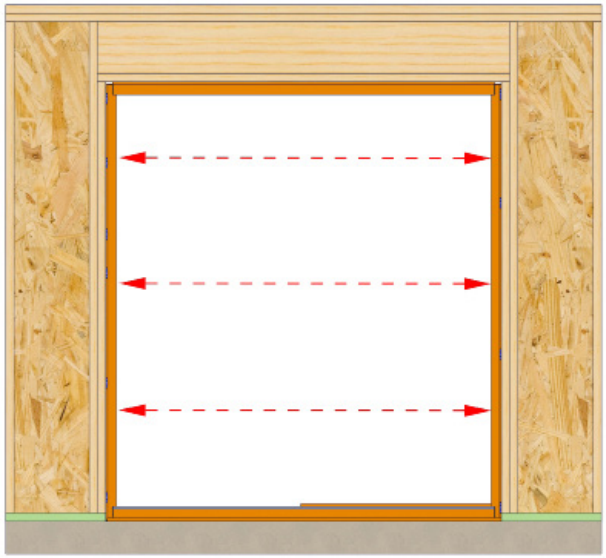
Shim at the sides of the door, and at the lock location as shown above. Never shim at the head.

20



Check that the door is square. Adjust shims as needed until diagonal measurements are within 1/8". Level at the sill and plumb the frame.

21



Check that the door frame is not bowed. Adjust shims as needed until measurements are within 1/8".
Finish fastening the unit every hole or a minium of 12" on center.

22

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.

23

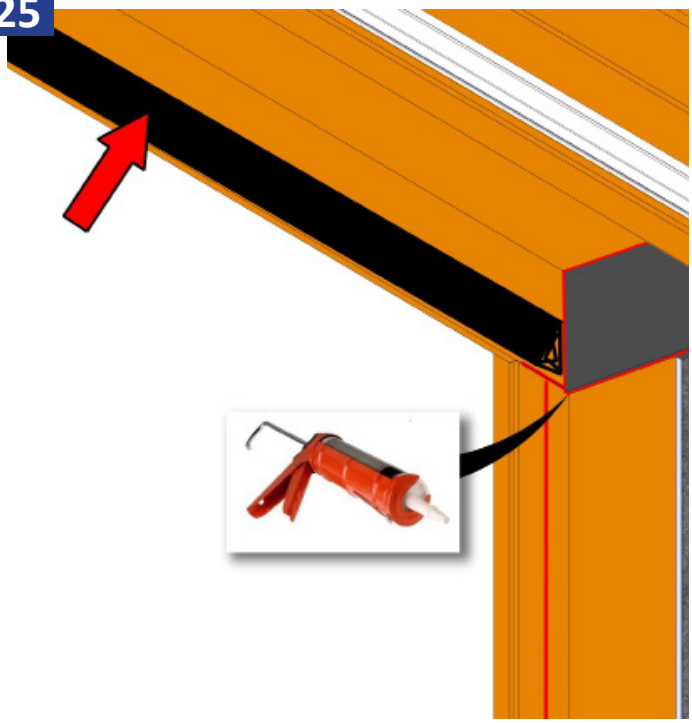
Apply a 3/8” sealant bead to the top exterior edge of door frame before installing the drip cap.
Apply flashing over the drip cap leg, overlapping the side flashing as shown. Smooth using a J-roller.

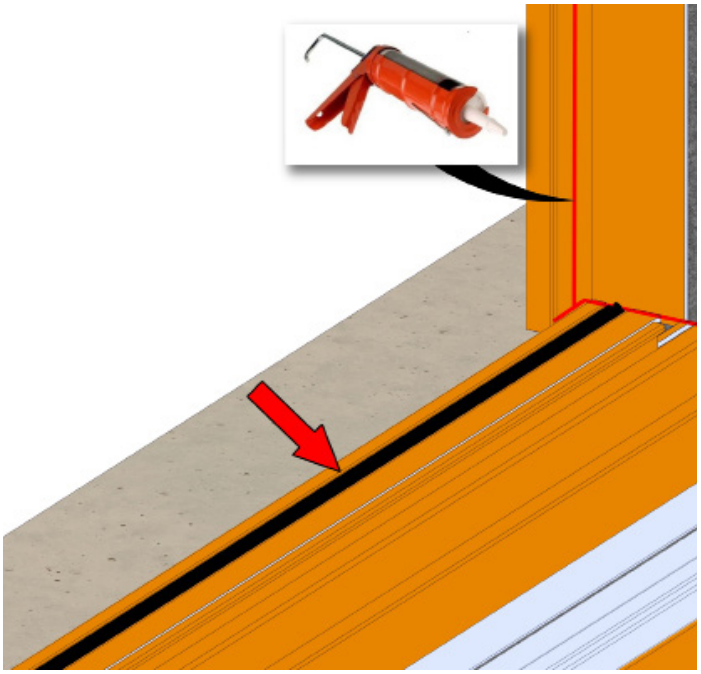
Side flashing cannot extend above the top flashing. Doing so could result in product or property damage.

24

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

25





Remove the white paper off the applied foam tape from the header and sill. (This is a single sided tape. No adhesive will be exposed.) Next seal the inside edge corners at the head, sill, and jamb where the fixed panel will set in the frame, as shown above.

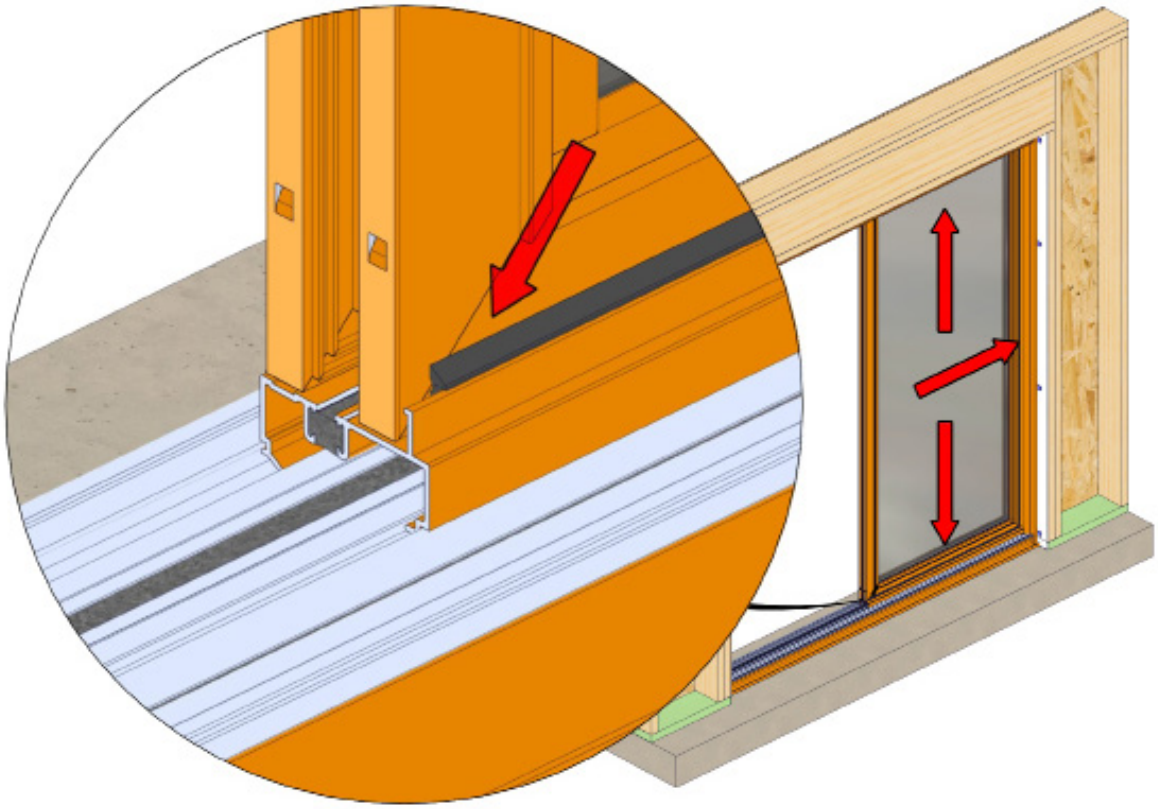
26

Angle the fixed panel with the top inserted into the head track, and then lift and set the bottom of the panel on the fixed panel extrusion in the sill.

27

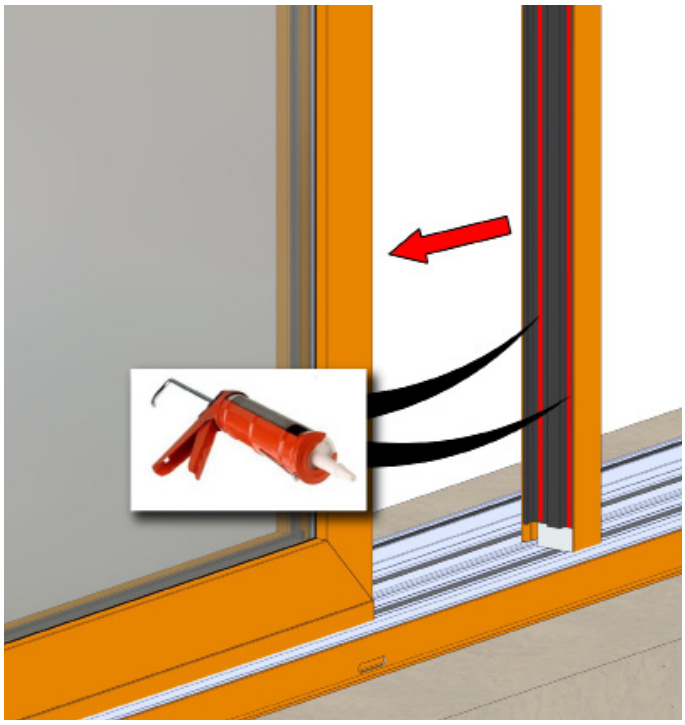
Slide the panel tight against the frame keeping the panel flush with the fixed panel extrusion in the sill.

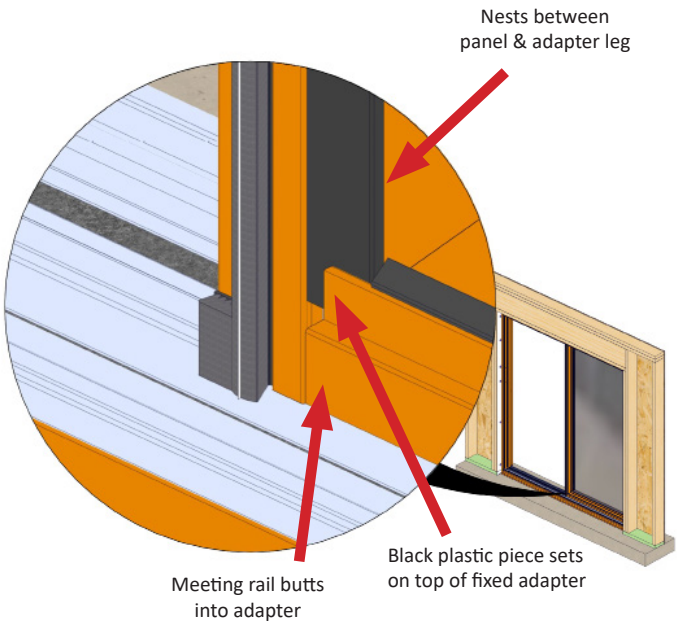
28



Install wedge gaskets in the sill, head, and jamb around the interior of the frame and panel to secure the panel in place.

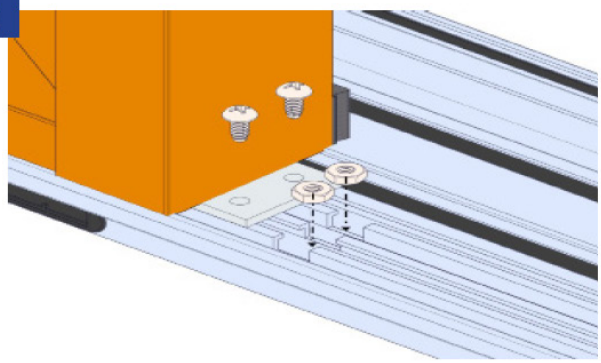
29

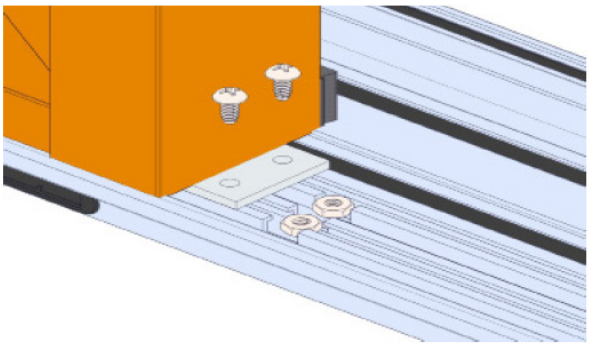


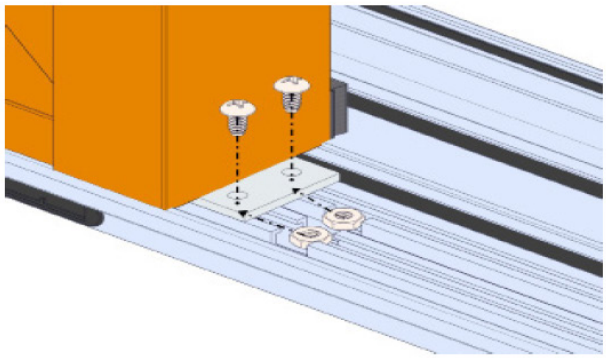


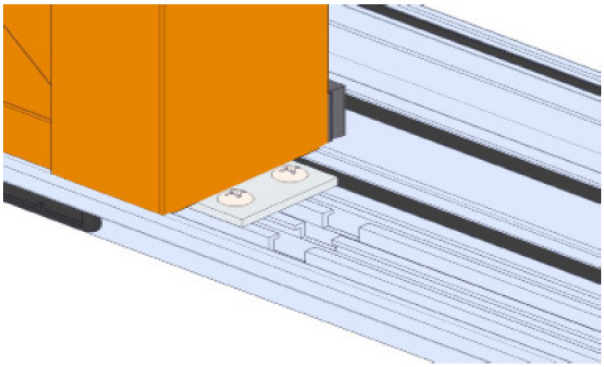
Apply a bead of sealant to inside edges of meeting rail before sliding the pre-assembled meeting rail against the fixed panel.

30





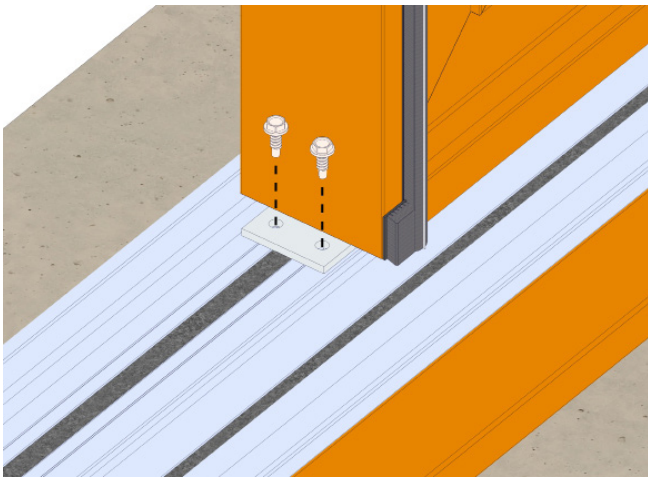


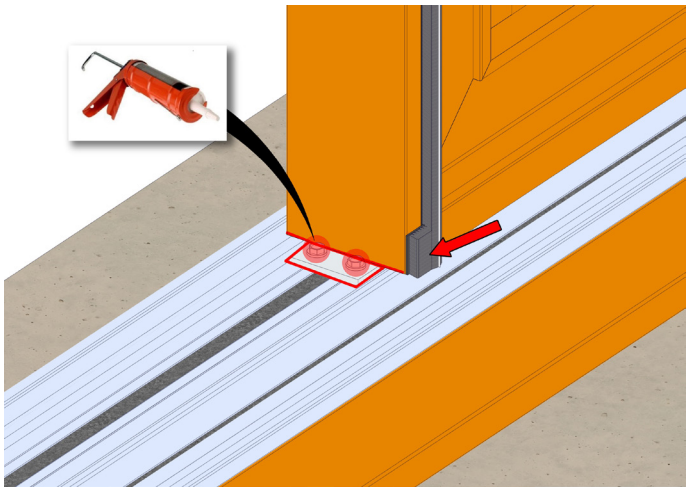


For M204 units, install the meeting rail using supplied (MH8-18X1/2 TK2) screws in the head, and (MP10/24X3/8 & 10-24 NUT) screws and nuts in the sill angle brackets.

For all other M-Series units.

30

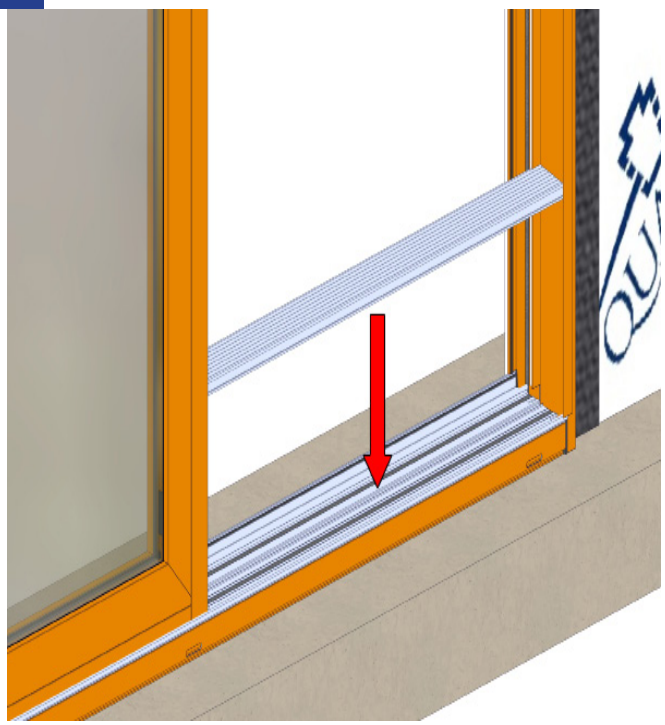


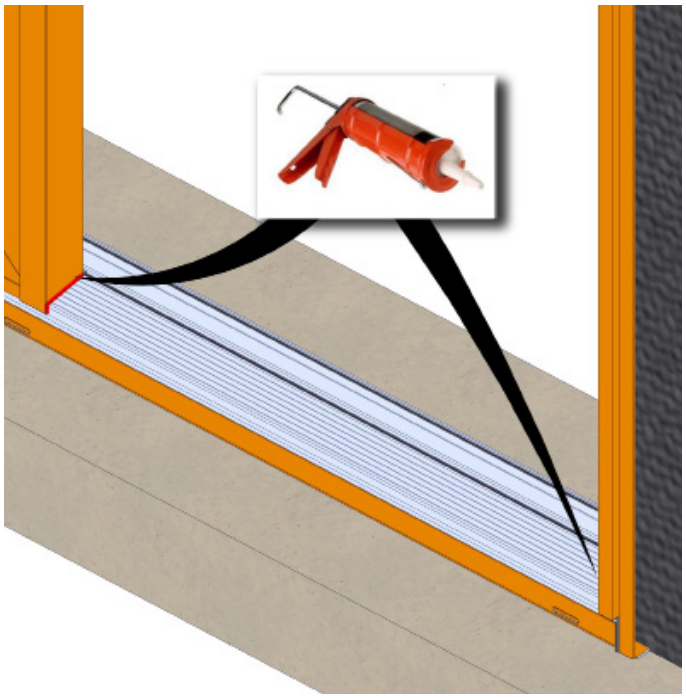


For all other M-Series units, install the pre-assembled meeting rail against the fixed panel and install using supplied (MH8-18X1/2 TK2) screws in the head and sill angle brackets. Stick small pads at the head and sill

Apply sealant over the screw heads and angle bracket on the sill and header as simulated in picture.

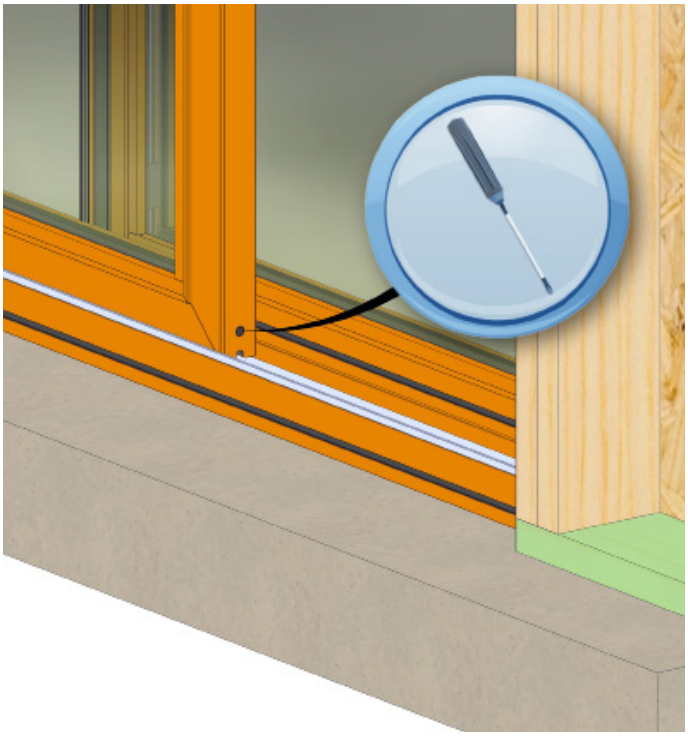
31





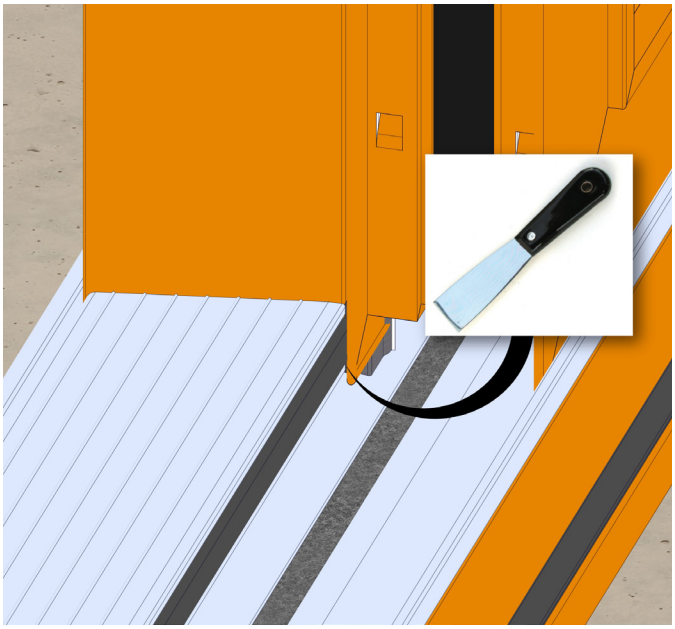
Install threshold on the exterior side of frame covering the bottom angle brackets. Seal around the two ends of the threshold against the frame as shown above.

32



From the interior, angle the active panel with the top inserted into the head track, and then lift and set the bottom rollers on the roller track.
Use a Phillips #3 screwdriver to adjust the rollers as needed to ensure the panel is level, square, and slides smoothly. Lift on the panel while adjusting, do not use a drill to adjust.

33

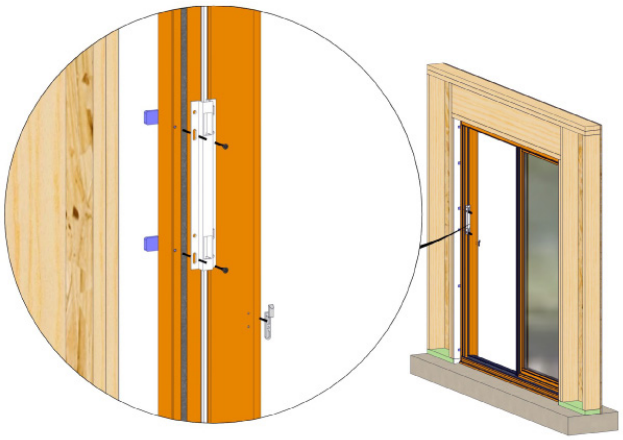


Slide active panel open all the way and use a putty knife to pull threshold cover weather strip up to help seal against the active panel.

34

Install handle set using provided instruction found in the hardware box using the 1 7/8” door thickness section.

35



Install jamb lock keepers for the active panel and screen door.

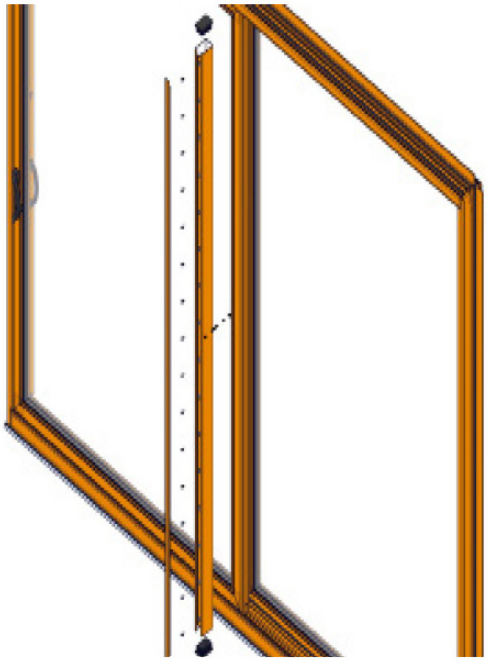
36

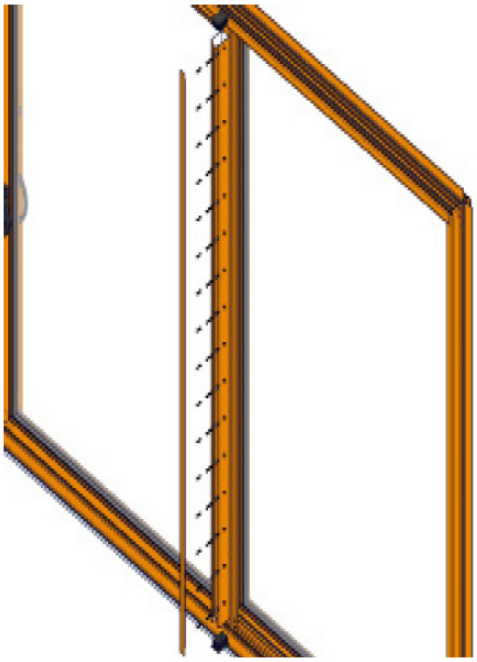
Angle the screen panel with the top inserted into the head track, and then lift and set the bottom rollers on the roller track. Adjust rollers as needed to insure the panel is level, square, and slides smoothly.

37

Fill interior 1/3 of cavity using low expanding foam or backer rod and apply sealant continuously around entire perimeter of opening.

38

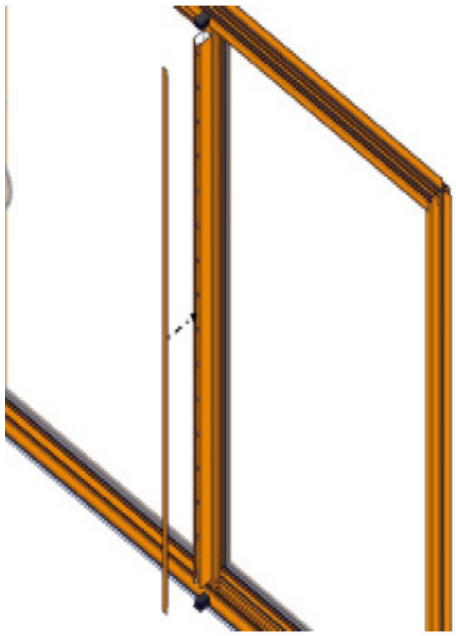




If reinforcement tube is to be applied, center the reinforcing tube on the active panel's meeting rail, and install using supplied (MH8-18x1/2 TK2) screws.

M600 and M700 ONLY

39



Install reinforcing cover and end caps to reinforcing tube.

M600 and M700 ONLY