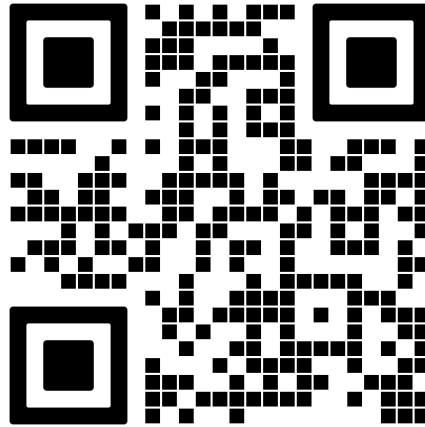


# **V300 Out-Swing Door with Low Profile Sill with Flashing Flange (Jamb and Head) -Full Sill Support Required- Installation Guide**



**-Scan here for a digital version-**

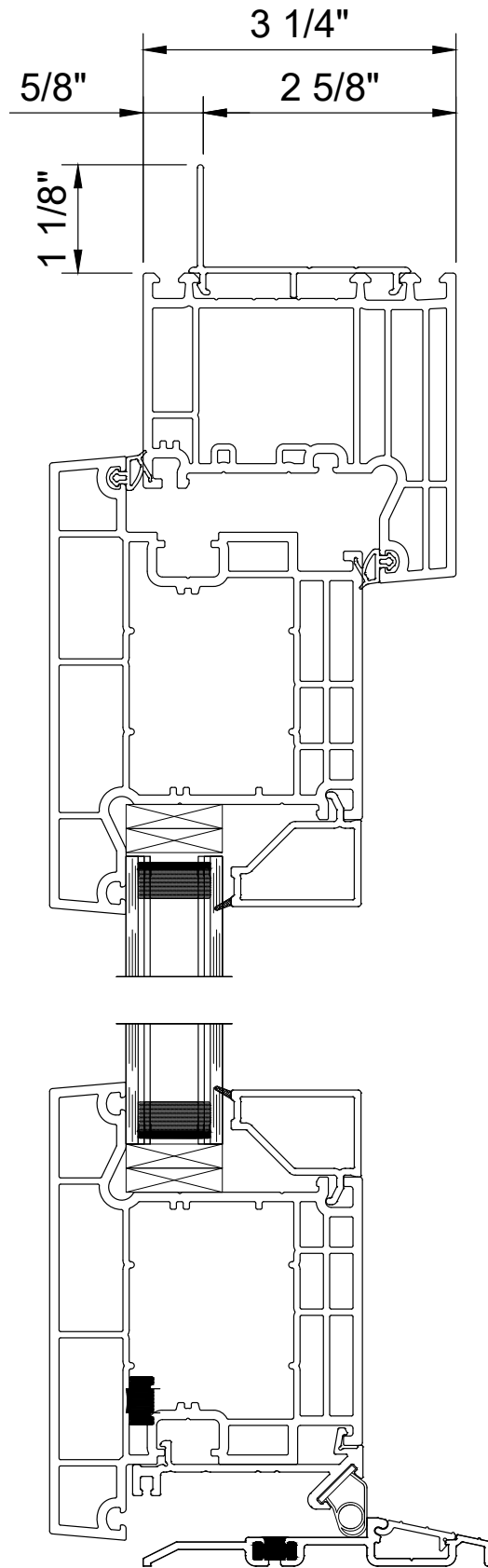
**Part # IG-105 - V.1.0      9/10/2025**

**Pages 5 to 15 -- Weather Resistant Barrier (WRB) Application  
Pages 16 to 18 -- Liquid Barrier Application (LBA) Application  
Pages 19 to 20 -- Door Installation and Hinge Adjustment Instructions**

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.

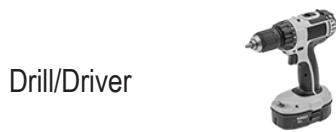


Quaker Window Products  
504 Highway 63 S  
Freeburg, MO 65035  
Phone: 800-347-0438  
Fax: 573-469-4151  
[www.quakerwindows.com](http://www.quakerwindows.com)

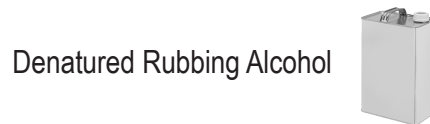
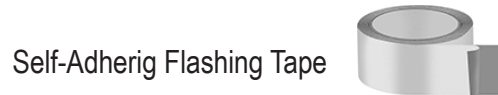
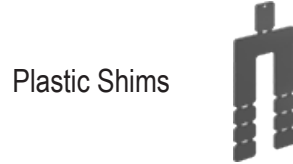


Out-Swing Door  
w/o Transom

## Tools Required by Installer



## Materials Required by Installer



## **-Carefully read these instructions before starting any installation-**

Failure to install and maintain QUAKER® products according to these instructions may void any product warranty. However, these are generic instructions that cover common situations and applications, aspects of which may not be appropriate for all installations due to building design, site conditions, construction materials, or installation methods used. Refer to shop drawings, if applicable, for additional notes and details. Please consult Quaker for specific applications not covered in these installation instructions, or visit our website at [www.quakerwindows.com](http://www.quakerwindows.com), or call 800-347-0438 for additional information.

### Tools

- Follow manufacturer's instructions and safely operate tools, ladders, or scaffolding. Always wear safety glasses. Failure to do so could result in injury, product, or property damage.

### Handling

- Do not store QUAKER products outside or in an unprotected, high moisture, or high heat environment prior to installation. Doing so could result in product damage.
- Do not carry, transport, or store QUAKER products in a flat (horizontal) position. Doing so could result in product damage or injury.
- Window and door units should be kept or stored in an upright (vertical) position, with support across the sill to avoid bowing. Do not lay any units in a flat position!

### Glass

- If glass gets broken, please exercise caution, as glass fragments can cause lacerations or other injuries. In many areas, local building codes require safety glass to be used in certain applications. All QUAKER products are available with safety glass if they are ordered that way.

### Fastening

- Metal fasteners and components could corrode when used in contact with preservative-treated lumber. Use approved and appropriate fasteners and components to fasten QUAKER products in this application. Failure to do so could result in a product performance failure, injury, or property damage.
- Quaker does not provide anchorage or fastener calculations.
- Quaker is not responsible for determining structural adequacy of the anchorage and fasteners used to install QUAKER products, or the openings into which they are installed.

### Installation

- Report any damage to dealer immediately. Do not install product if damaged. Quaker is not responsible for addressing products that are damaged after delivery, or product that is installed in a damaged condition.
- Always support window or door products in an opening until fully fastened. Failure to do so could result in the product falling out of an opening and causing injury, product, or property damage.
- Nailing flanges and drip caps (integral or applied) do not take the place of window flashing. All QUAKER products must be properly flashed and sealed with material compatible sealant for protection against water and air infiltration around the entire exterior perimeter. Failure to do so could result in a product installation failure and property damage.
- Windows and doors must be properly shimmed. To properly shim a QUAKER product, follow relevant installation guidelines, and never set a window directly on a sill plate. Failure to shim properly is an installation failure that could result in product performance failure or property damage.
- Construction directly above an opening must be engineered and designed not to transfer loads directly to any windows or doors. If live or dead loads are transferred to a QUAKER product, this may affect functionality and result in glass failure or otherwise damage frame joinery, perimeter seals, or other aspects of the product. Proper construction of the rough opening must take place prior to the installation of the QUAKER product.
- Please confirm that any necessary vertical deflection of the head condition is consistent with the selected QUAKER product. Most QUAKER products are not designed to allow any deflection at the head condition. Shop drawings may indicate the maximum allowable vertical deflection at the head condition of a QUAKER product. If vertical deflection is a concern but shop drawings are not provided, please contact Quaker for assistance.
- Windows and doors have small parts that, if swallowed, could pose a choking hazard to young children. Please dispose of unused, loose, or easily removed small parts. Failure to do so could result in injury or death.
- Do not drill through or into the sill or frame of any QUAKER products, whether to install alarm wires or for any other reason.

## Sealing

- Follow supplier instructions for proper application of minimally expanding foam, sealant, water resistant barrier or liquid barrier, and flashing products and systems to ensure safety, proper material application, compatibility, and to understand the need for periodic maintenance for continued weather resistance of their products. Failure to do so could result in product performance failure or property damage.
- Minimally expanding foam insulation must be compliant with AAMA 812.
- If silicone is selected as an appropriate sealant, Quaker recommends using 100% neutral cure silicone sealant, that is ASTM C920 compliant. Always clean and prepare the surfaces where the sealant will be applied per the manufacturer's recommendation. Once applied, properly tool the sealant in place. Failure to do so could result in product performance failure or property damage.
- Flashing tape must meet ASTM-D779 performance requirements.
- Maintain and properly seal a minimum of 1/4" gap (or whatever is specified within these installation instructions or shop drawings) around the perimeter of the window or door frame and the exterior finish materials. Failure to do so could result in product installation failure or property damage.

## Joining

- Do not join any Quaker product to another product that is not designed for joining. Joined products must be individually supported in the opening. Failure to do so could affect operation and product performance and could result in a product installation failure or property damage.

## Cleaning

- Do not use any cleaning agent other than a mild, non-abrasive window washing solution or glass cleaner applied in accordance with any product labeling instructions and Quaker's care and maintenance instructions. The use of harsh chemicals (such as brickwash, bleach, alcohol, hydrochloric acid, or muriatic acid) for cleaning or other purposes may damage QUAKER products, glass, fasteners, hardware, seals, sealant, or metal flashing. Please protect these products by following the cleaning product's instructions for its proper use.
- Do not use a razor blade to clean a glass surface, as damage to the glass may result.

## IMPORTANT

- Buildings constructed prior to 1978 may 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](http://www.epa.gov/lead)
- Care must be taken to properly recycle or dispose of used or old materials. Any recyclable material 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.
- Inspect all window and door units for any damage or defects prior to installation. Contact the nearest QUAKER distributor if there are any problems or issues.
- **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](http://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 your personal protection. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)
- When installation is completed, operable window and door products, and related hardware or equipment, may require some adjustments. Confirming operability and making minor adjustments are within the scope of the installation services performed by others.

These instructions are based on an Out-Swing Door on the right side with a Sidelite to the left (viewed from exterior). Other configurations will be installed in a similar manner (see shop drawings if applicable).

The remainder of the installation up to WB5 on page 25 will show Weather Resistant Barrier surrounds.

When using Liquid Barrier, the installation will be the same.

Go to instruction LB1 on page 26 for Liquid Barrier installation and sealing instructions.

### NOTE:

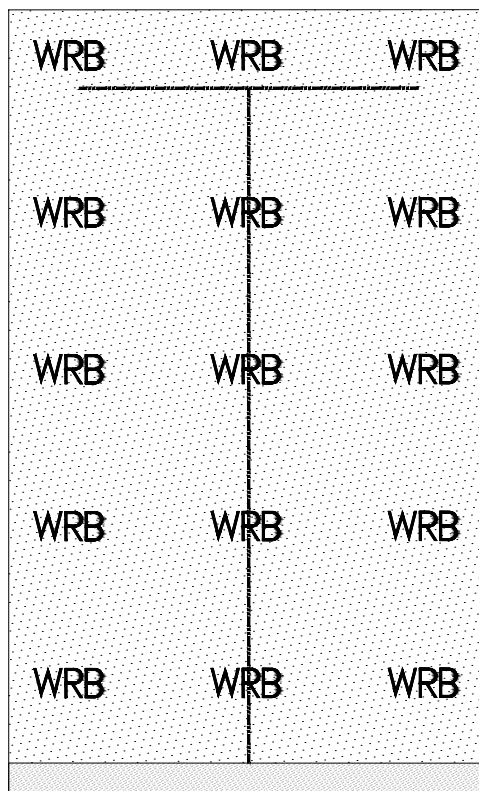
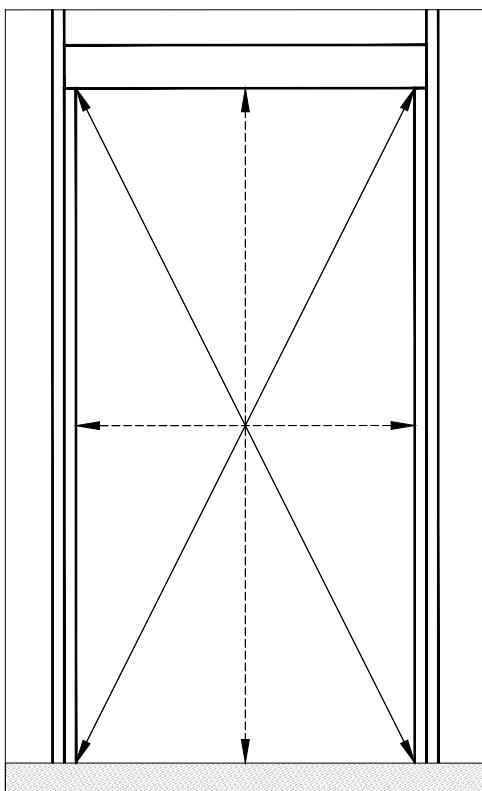
For easier installation, remove the door from the frame. Open the door 90° and lift it off the hinges. Place the door in a safe area where it can not be damaged. See page 29 for hinge adjustment instructions.

## RO1

From the interior, measure and verify the size of the rough opening. The rough opening should be a minimum 3/4" wider and 1/2" taller than the Total Unit size, unless otherwise specified on the shop drawings. Verify the rough opening is flat, plumb, level, and square. Take diagonal measurements to check for square.

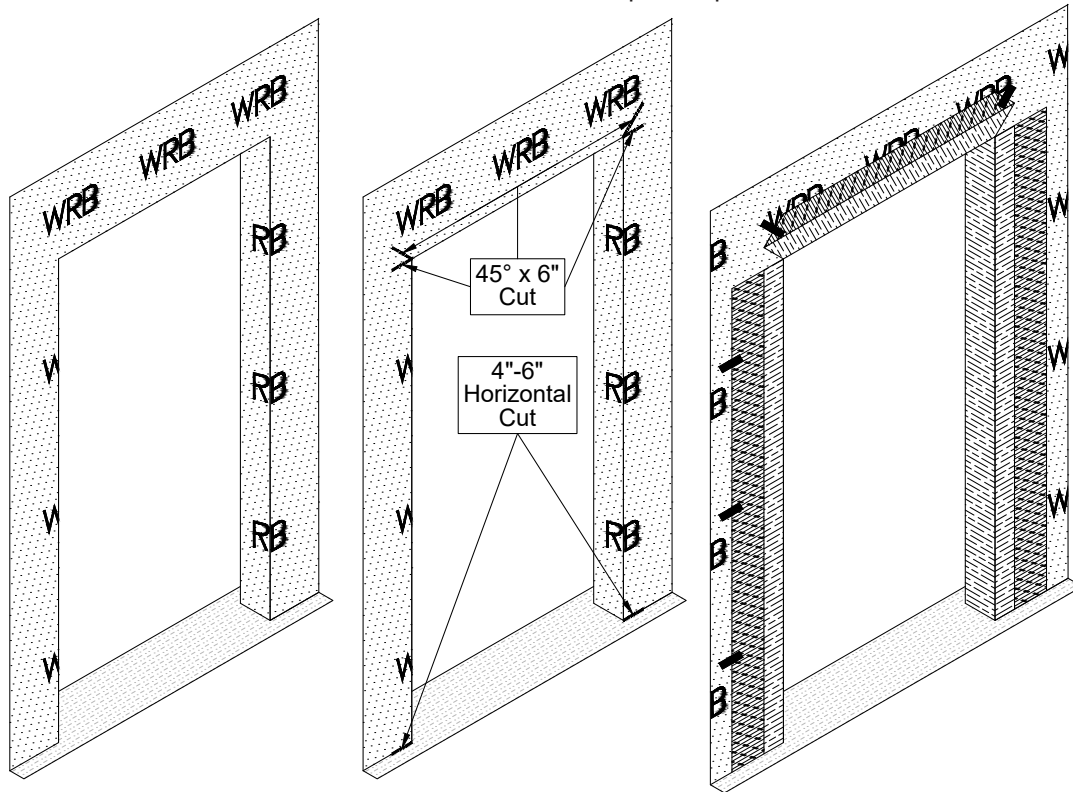
The sill structure beneath the unit must be level for proper unit operation.

Go to the exterior and cut the Weather-Resistant Barrier (WRB) in an 'I' pattern.



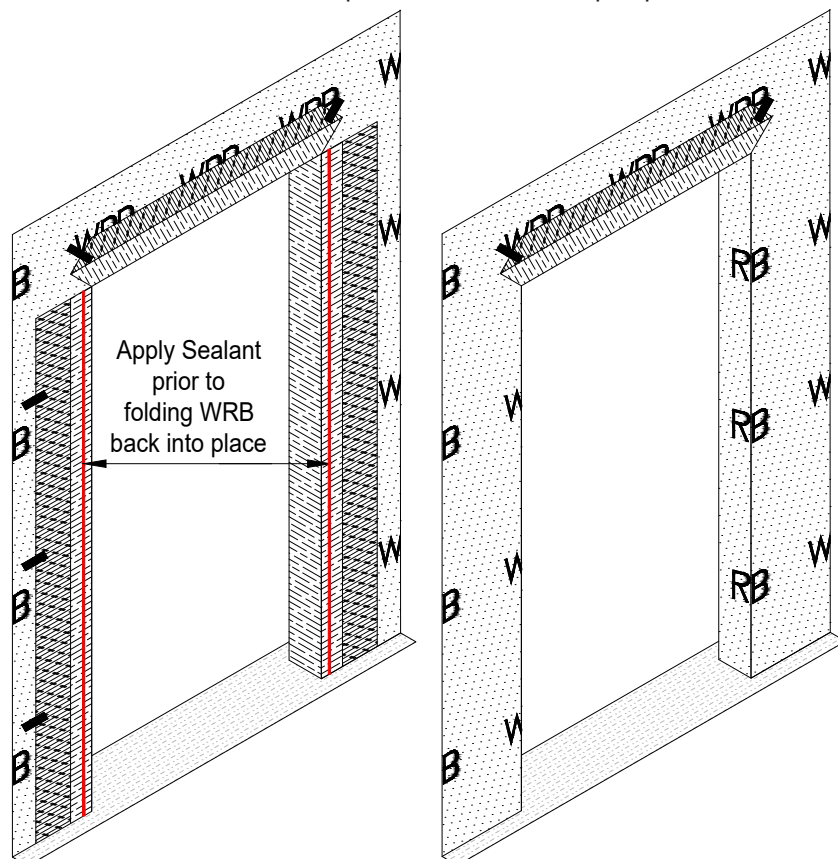
## RO2

Fold the WRB sides towards the interior and trim as needed. Do not staple in place. Make 4"-6" horizontal cuts in the WRB at the head and sill jambs. Make a 45° x 6" long cut at the head condition. Fold back WRB at the cut lines, and tape into place.



## RO3

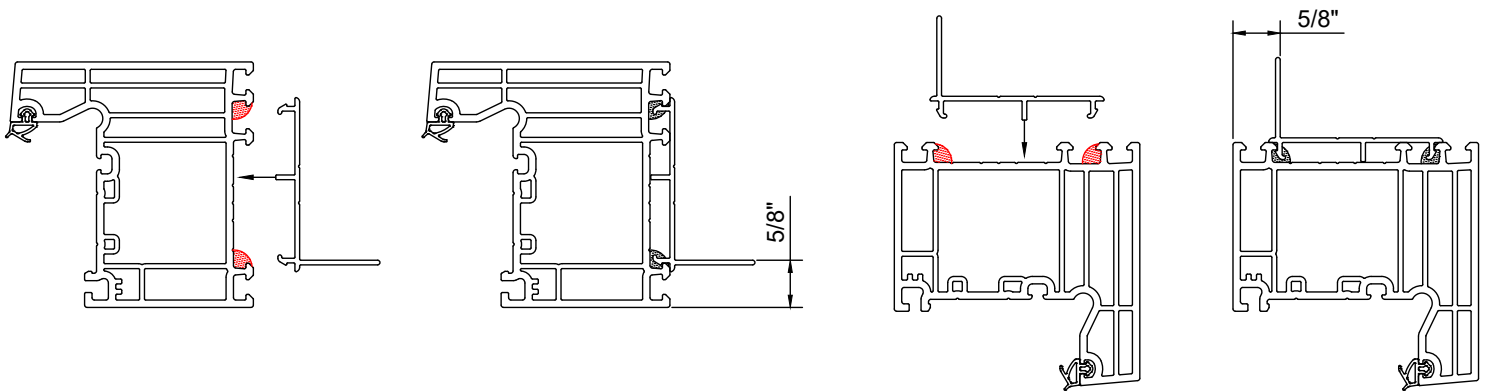
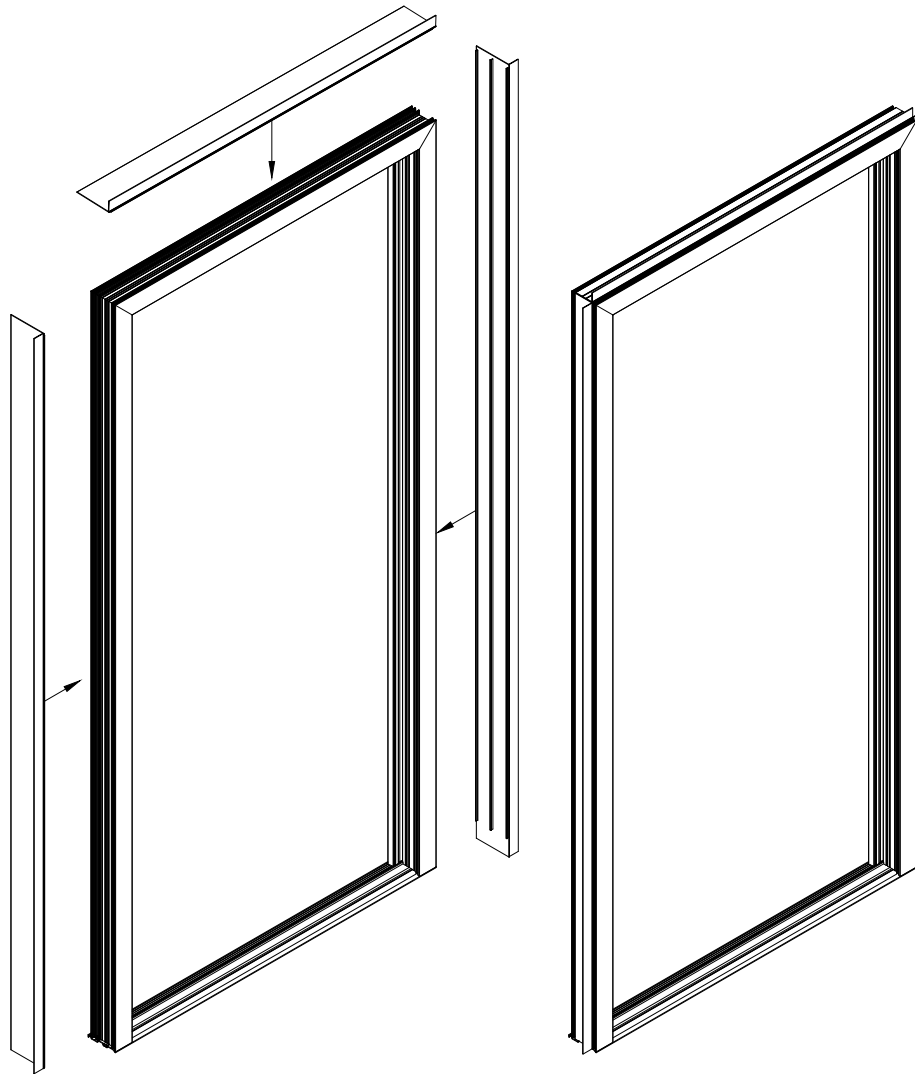
Apply sealant at the jambs where shown. Fold the WRB jamb flaps back into place, over the sill flashing, and fix into place. Leave head flap in place.



# FF1

Seal the inside and outside snap areas where shown, then snap the Flashing Flange into place with the flange to the exterior. If a Mallet is needed to engage Flashing Flange use a wood block in between the fin and the mallet.

-DO NOT HIT THE FLASHING FLANGE DIRECTLY WITH THE MALLET-



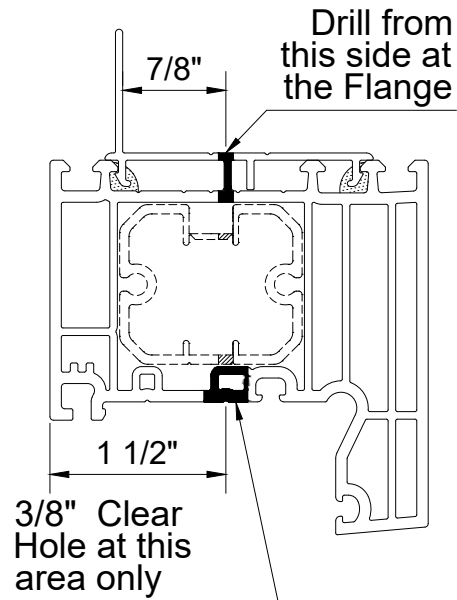


## Door and Sidelite Frame Installation

**FI1**

At the Door Frame, the perimeter fastener locations will need to be located per the Shop Drawings or the anchorage calculations. First, drill a 3/8" diameter clear hole where required at the Door Side, then drill the appropriate sized clear hole.

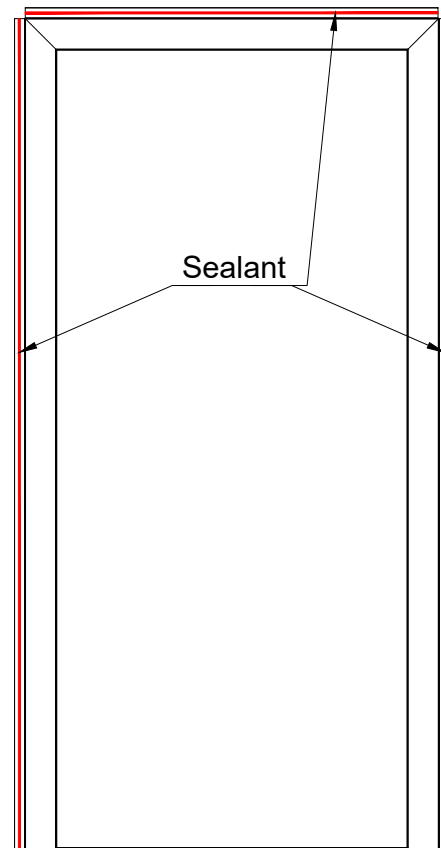
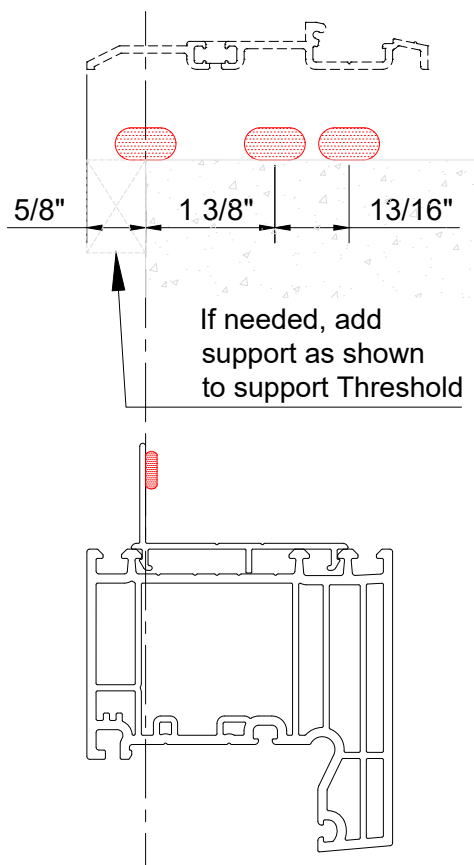
NOTE: Drill Flange from 'exterior' side as noted below.



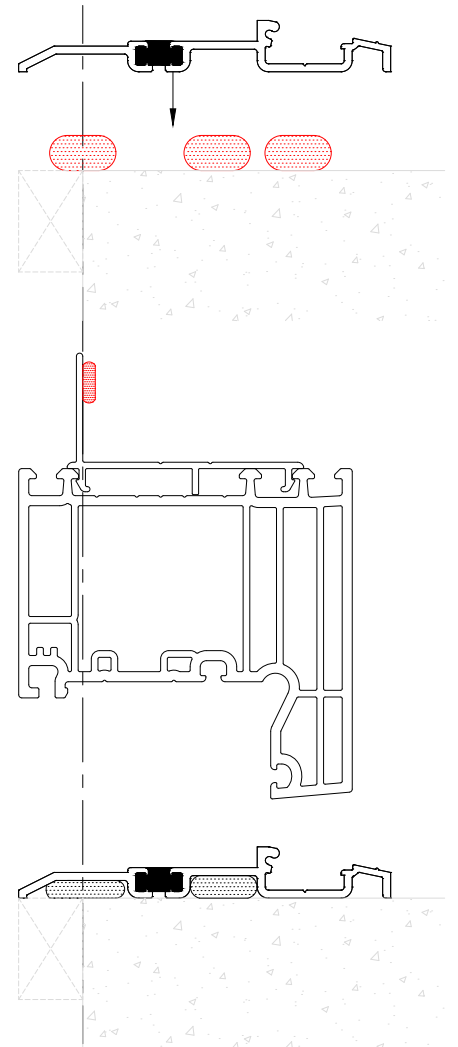
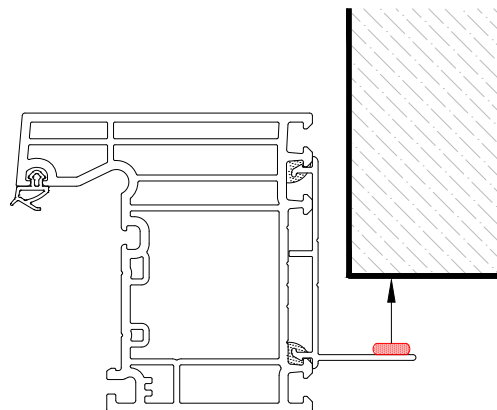
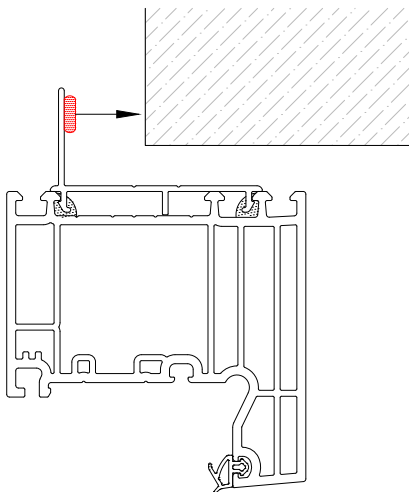
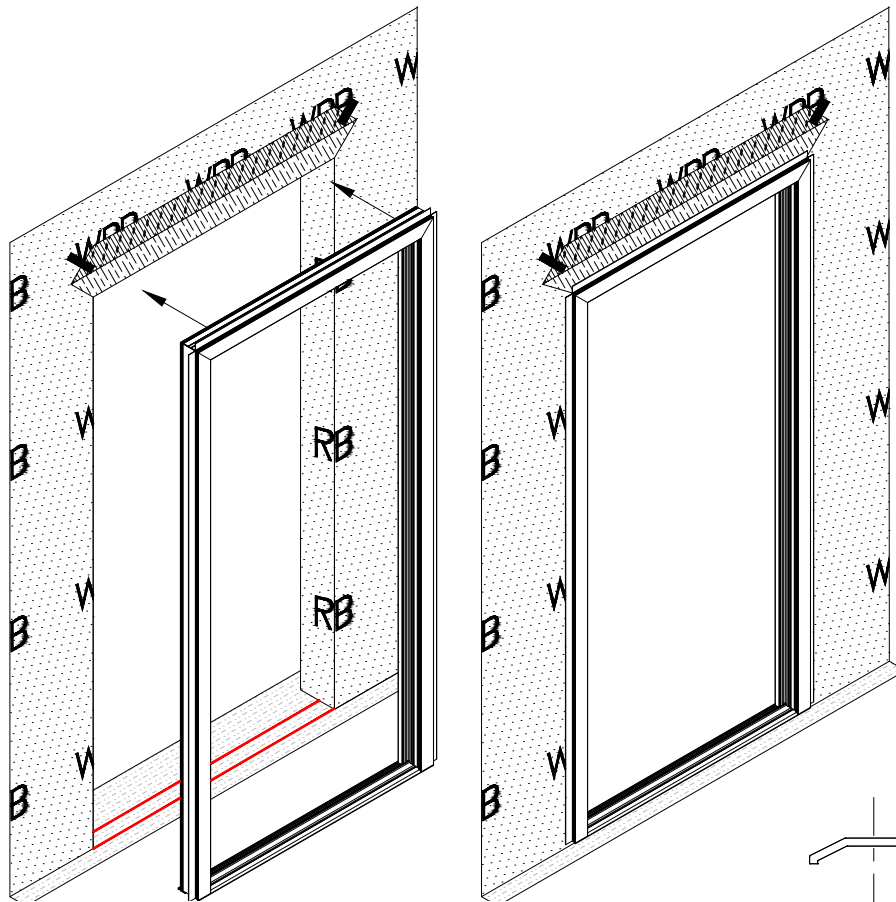
**FI2**

Apply a generous amount of sealant at the sill, and around the interior side (building side) of the Door Frame Flashing Flange as shown in the sketches below.

**--WRB and Liquid Barrier Supplier is required to specify what type of sealant should be used for compatibility--**

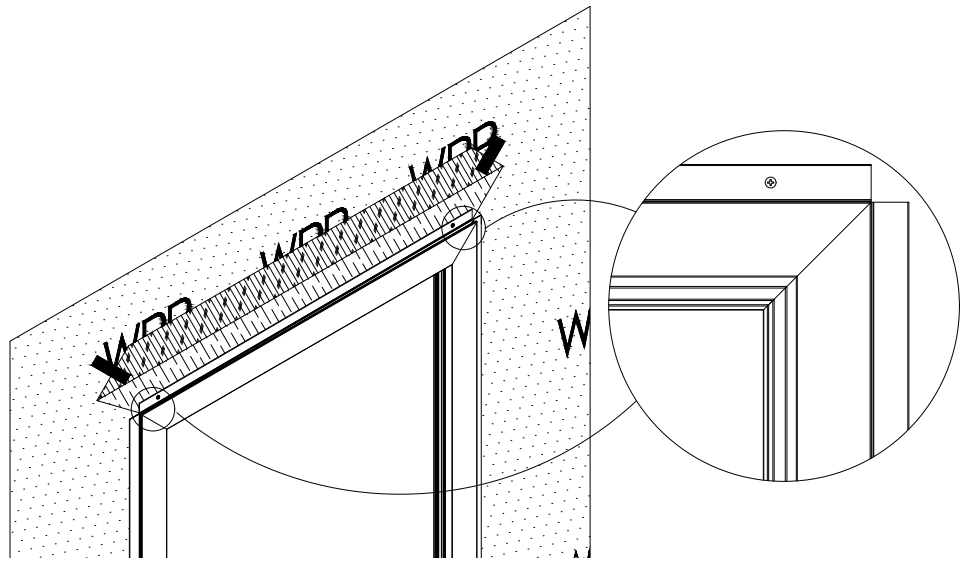


Lift the Door Frame into place.



## FI4

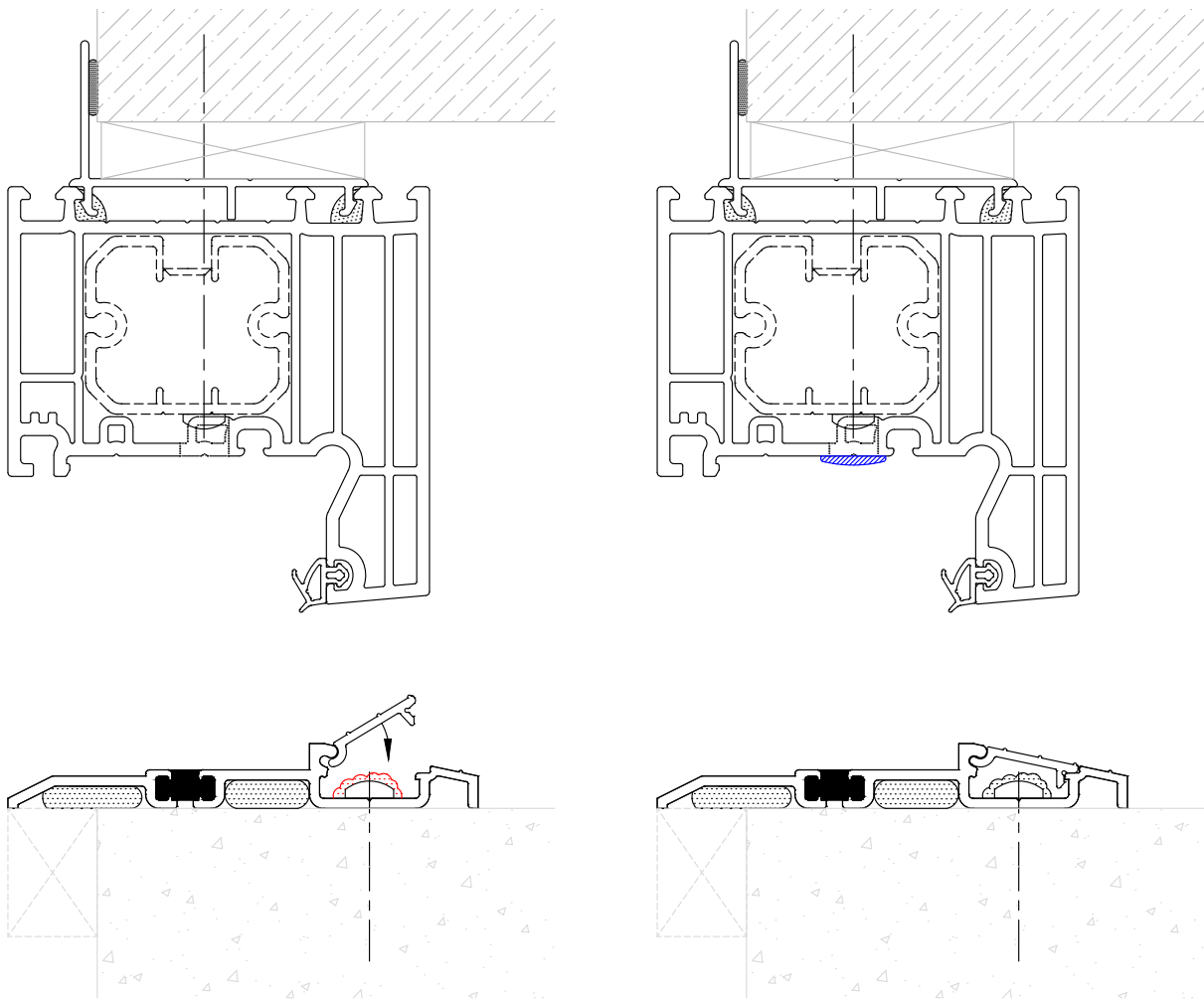
Verify head frame is level, plumb, and square. Temporarily secure the frame assembly in the opening at the head corners.



## FI5

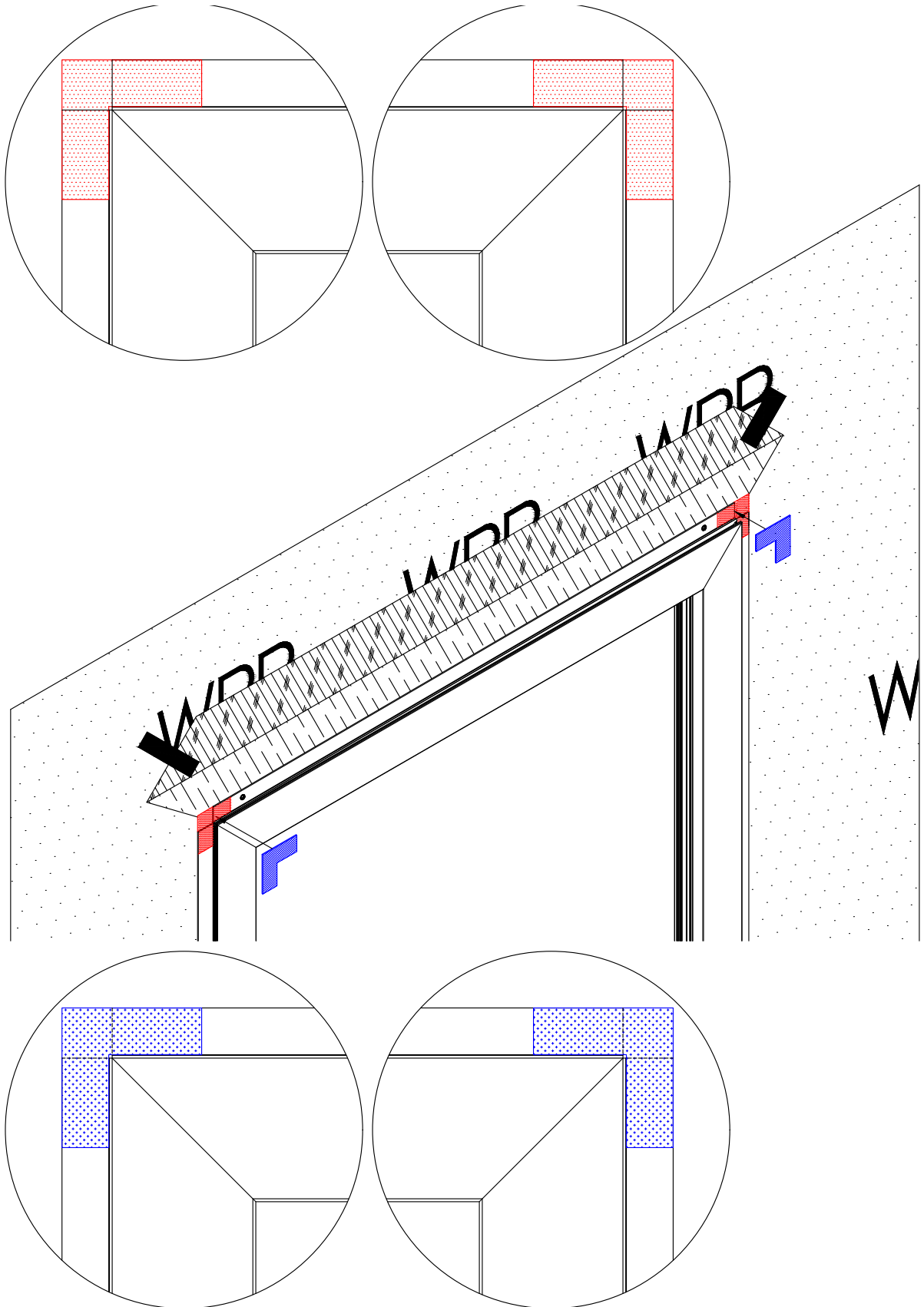
Match drill the the perimeter fastener holes into the building structure. Fill these holes with silicone sealant and install plastic shims as needed where the fasteners in the Door Frame jamb and head are located. Attach the Door Frame. Do not over-tighten the fasteners. Seal over fastener heads at the sill and tool as needed. Install threshold cover.

When all fasteners are in place, install the provided Hole Plugs in the head and jambs.



# FI6

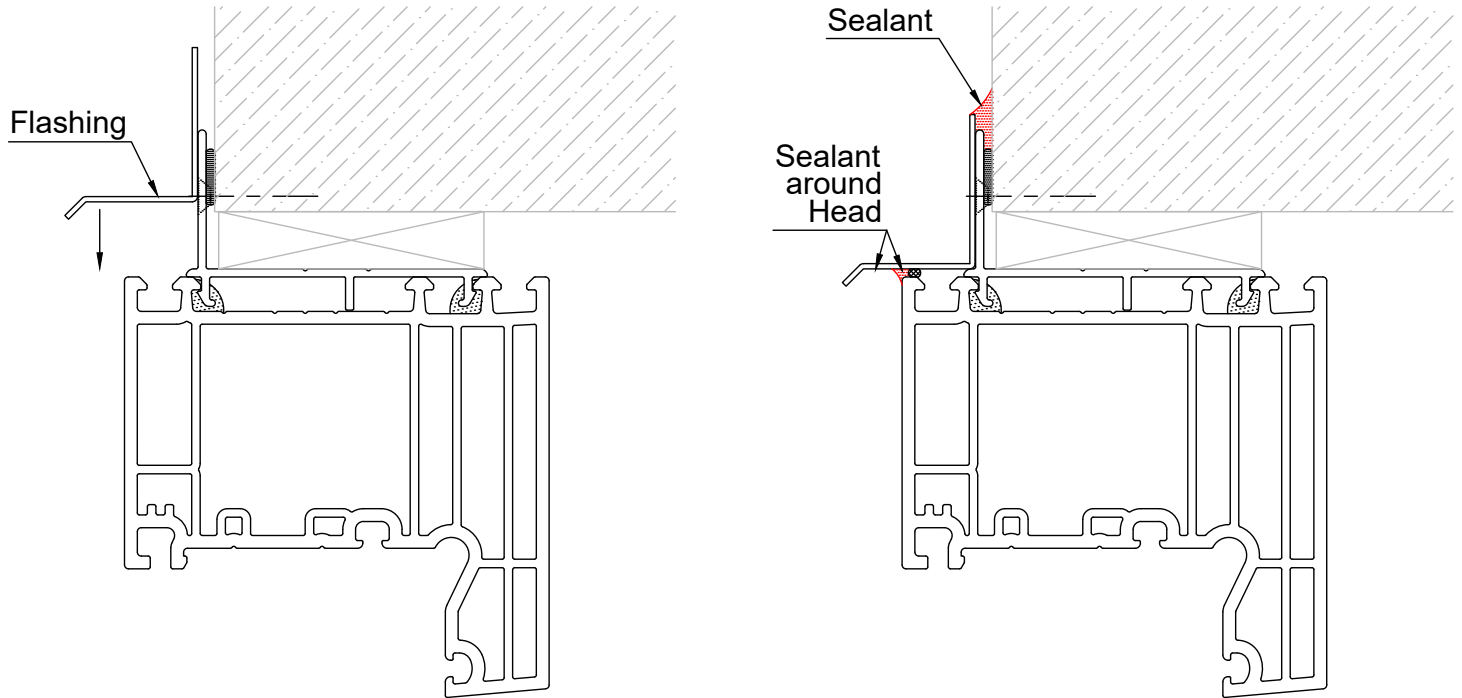
After frame installation is complete, install the (2) Top Foam Corner Gaskets over the exterior side of the Flashing Flange corner gaps. Apply silicone sealant to the entire joint where the Gaskets meet the Flashing Flange and building conditions. Also, seal the corner joints where the head and jamb Flashing Flange meet. Tool the sealant as needed.



# FI7

## This step must be done for this application.

If not sized on the Shop Drawings, field size continuous Flashing that will cover the exterior of the Windows and 'T' Mullion. Ideally, this Flashing will extend past the facing of the building. Not extending the brake metal to the building face may cause water penetration to the interior, that Quaker Windows will not be responsible for. Set the Flashing into place and if required attach the flashing to building and apply sealant over the fastener heads. Insert a continuous backer rod and seal the Flashing to the window and T-Mullion as shown below. Then seal the top and sides of the Flashing to the building.

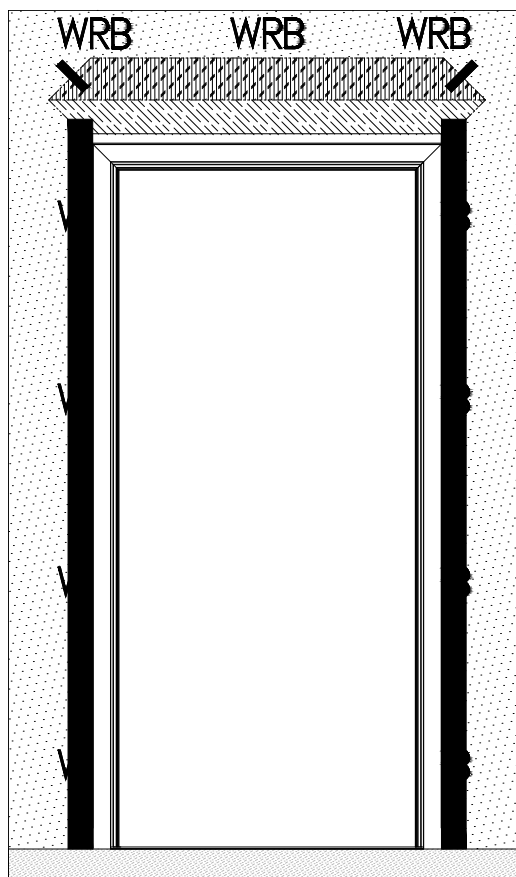


**This Completes the Door Frame Instruction Instructions**

## Weather Resistant Barrier Sealing Instructions

### WB1

Apply flashing tape at the sides of the door frame as shown. Extend tape a minimum of 1" past the Flashing Flange, but not more than the width of the flashing tape. Smooth the tape using a J-Roller.

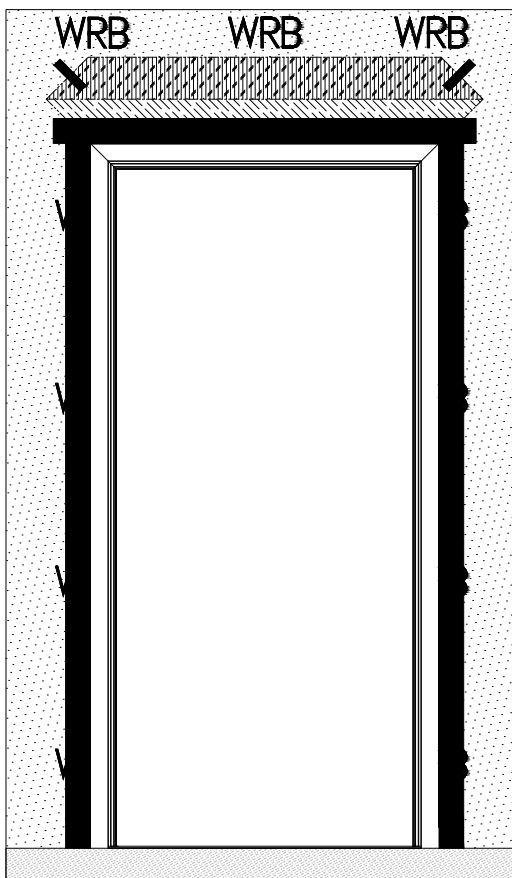


### WB2

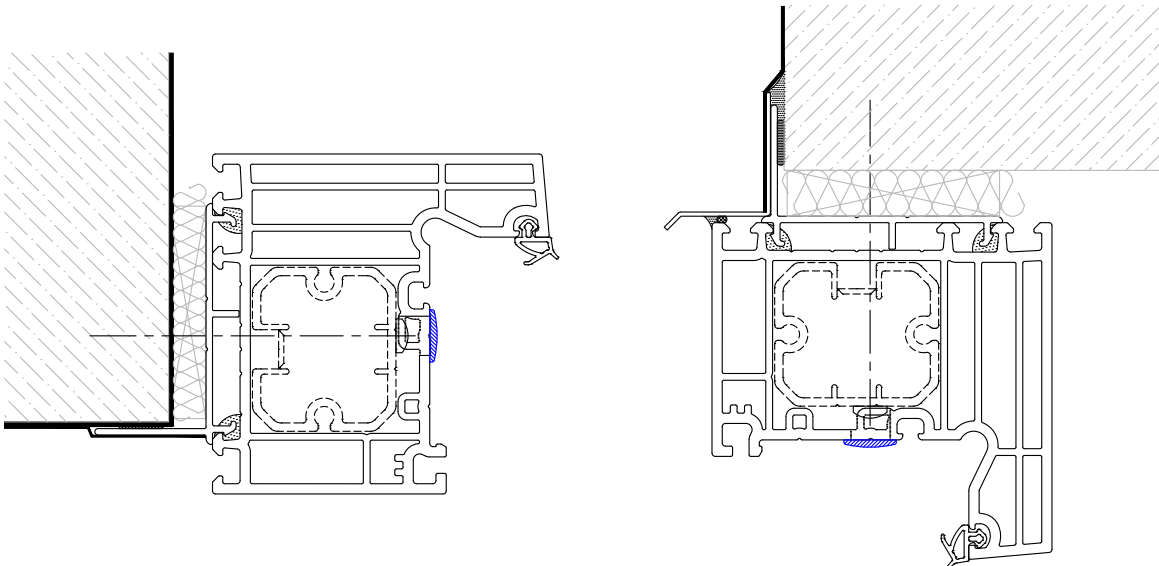
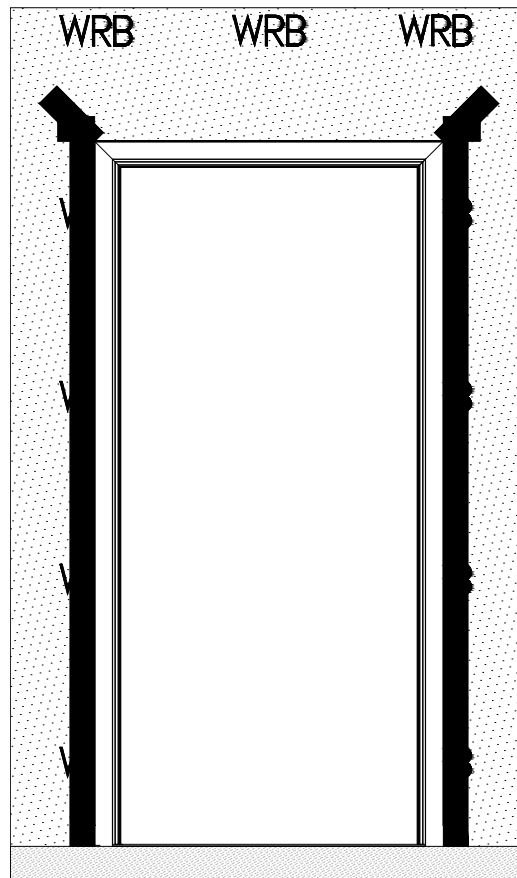
Apply flashing tape at the top of the door frame as shown, overlapping the side flashing tape.

Smooth the tape using a J-Roller.

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



Unfold the top flap of the wrap, and tape the angled seams as shown.  
Smooth the tape using a J-Roller. Insert insulation into the gap at the head and jambs as shown below.

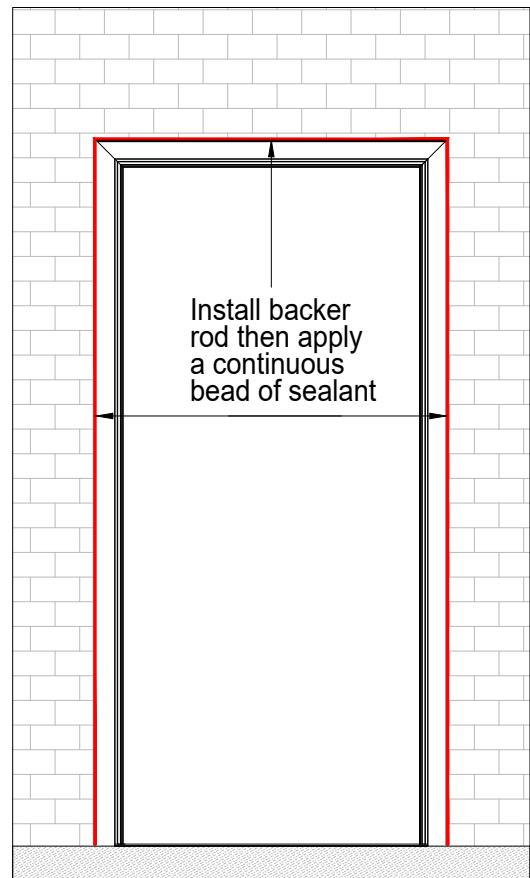


## WB4

Refer to the Shop Drawings if additional flashing or other material is required. After exterior building construction is completed, install back rod, then apply a continuous bead of sealant around entire perimeter of window frame and tool in place.

Note:

Installer to verify that Sealant being used is compatible with Quaker window frame and the surrounding building construction materials.

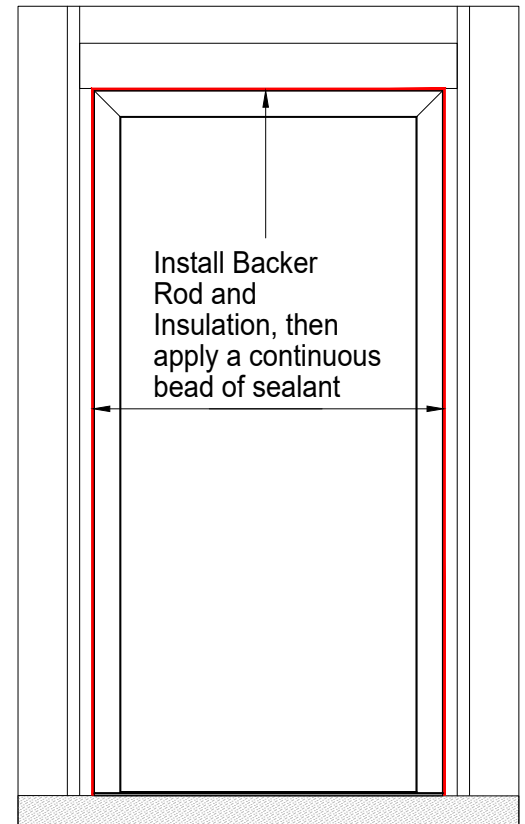
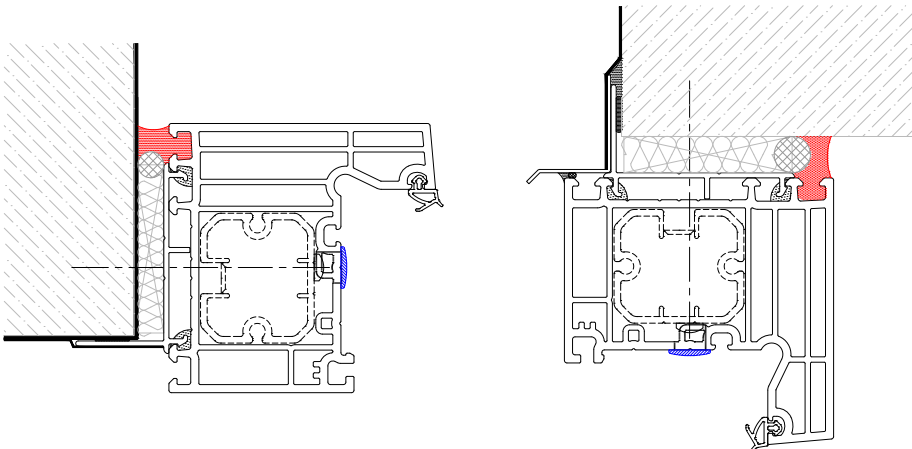


## WB5

At the interior, insert a continuous backer rod and seal the window and T-Mullion to the building structure as shown below.  
Tool as needed.

Note:

Installer to verify that Sealant being used is compatible with Quaker window frame and the surrounding building construction materials.



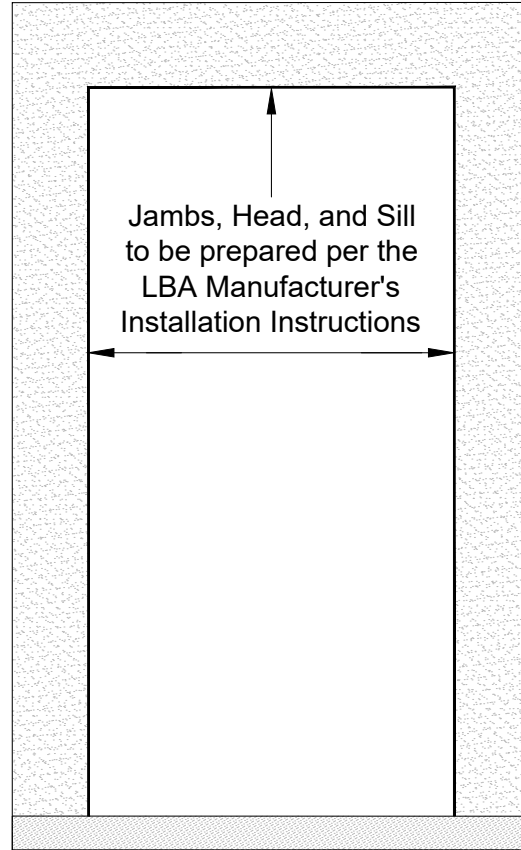
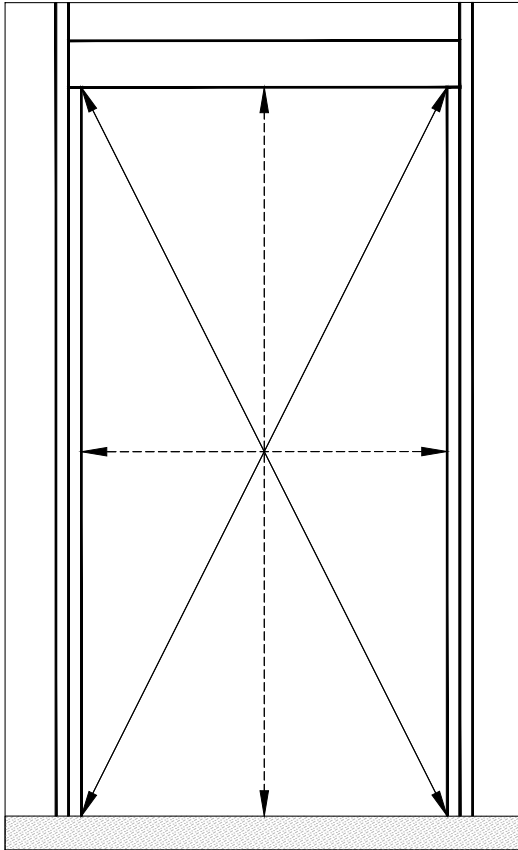
**This Completes the Weather Resistant Barrier Sealing Instructions**



## Liquid Barrier Instructions

### **LB1**

After the initial LBA has been applied, from the interior measure and verify the size of the rough opening. The rough opening should be  $\frac{3}{4}$ " wider and  $\frac{1}{2}$ " taller than the Total Unit size, unless otherwise specified on the shop drawings. Verify the rough opening is flat, plumb, level, and square. Take diagonal measurements to check for square. The sill structure beneath the unit must be level for proper unit operation.

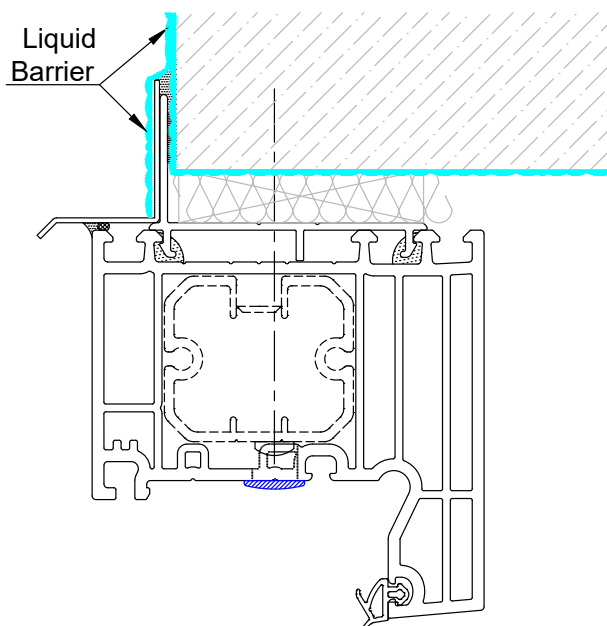
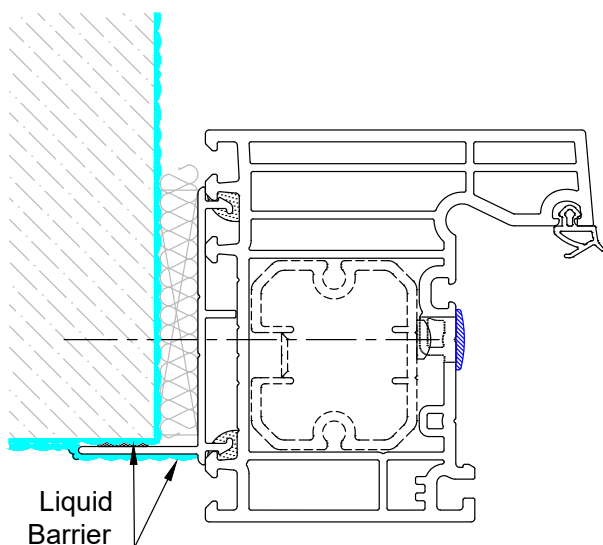
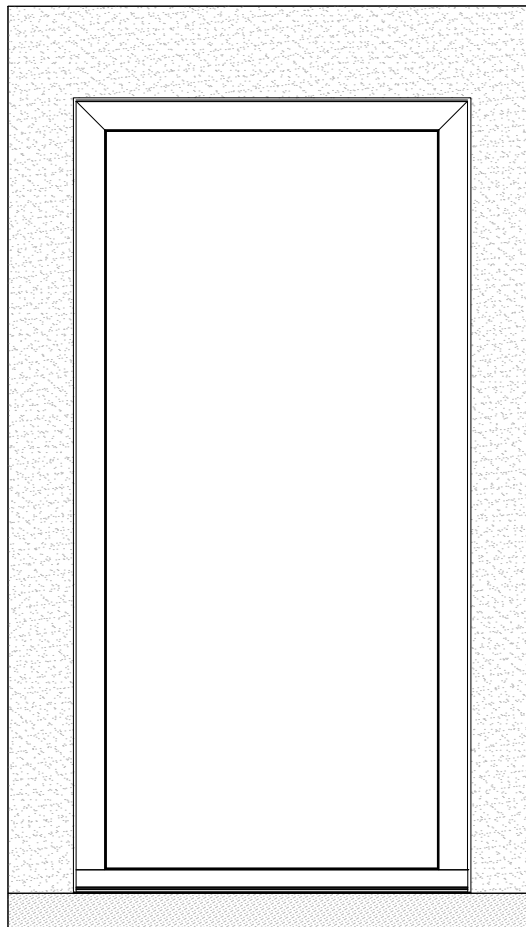
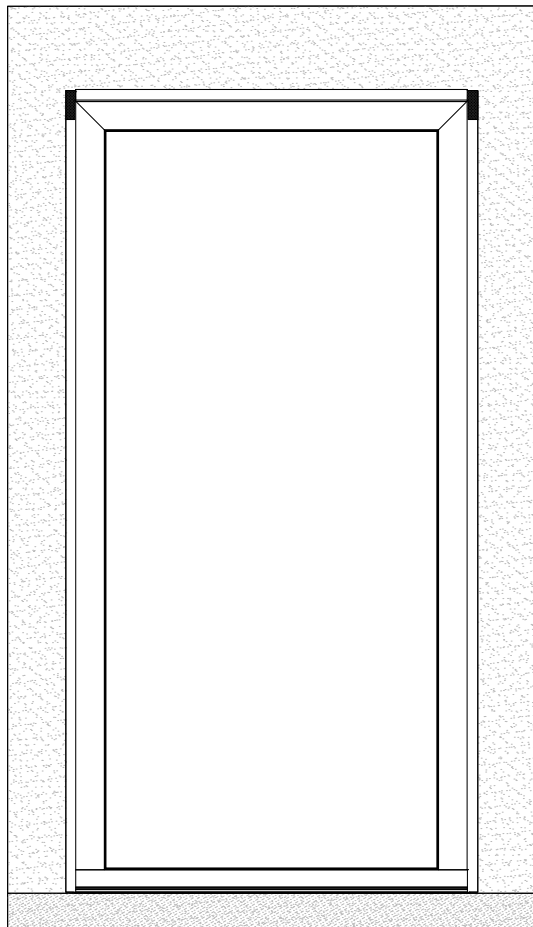


**Before proceeding to Instruction LB2, go to Instruction FF1 on page 7 and follow the installation thru Instruction FI16 on page 22.**

**These instructions will show WRB surrounds, but up to Instruction FI16, the Liquid Barrier installation will be the same. After Instruction FI16, proceed to Instruction LB2.**

# LB2

Apply a Liquid Barrier over the Flashing Flange and perimeter fasteners at the head and jambs only.  
Liquid Barrier must be continuous and cover entire face as shown without any gaps or holes.  
Insulation should be added at the door frame jambs and head as shown.

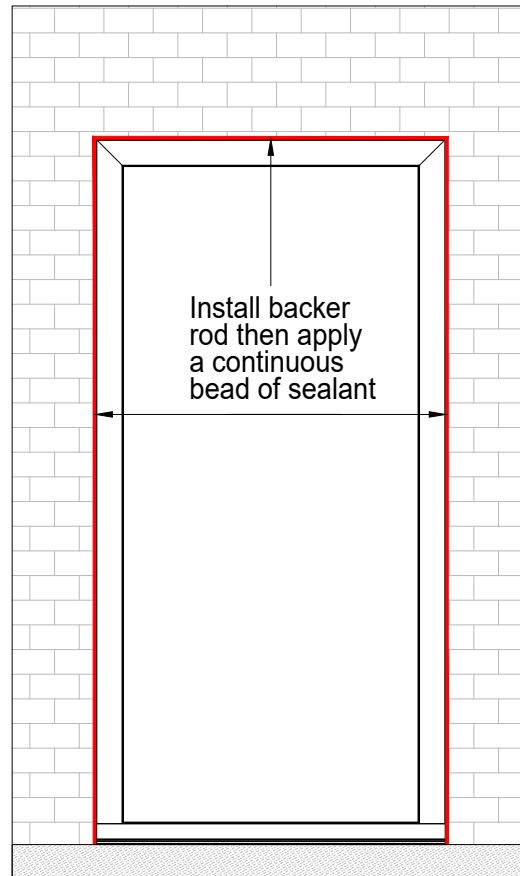


## LB3

Refer to the Shop Drawings if additional flashing or other material is required. After exterior building construction is completed, install back rod, then apply a continuous bead of sealant around entire perimeter of window frame and tool in place.

Note:

Installer to verify that Sealant being used is compatible with Quaker window frame and the surrounding building construction materials.

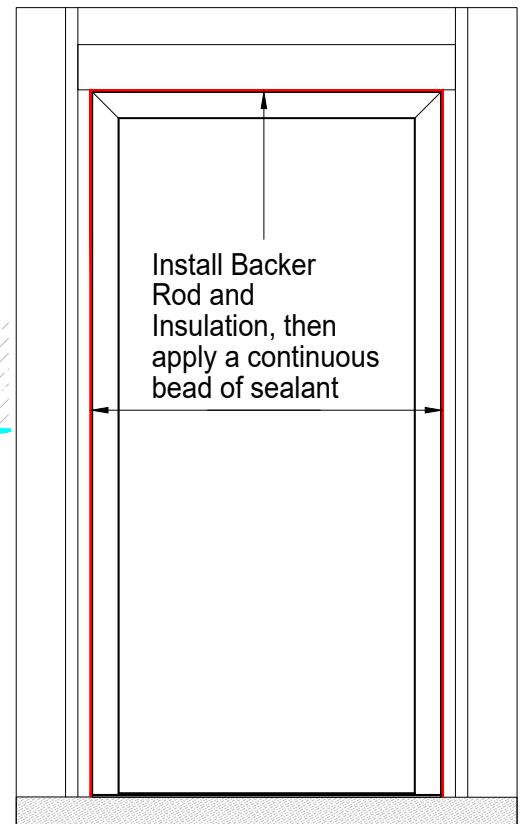
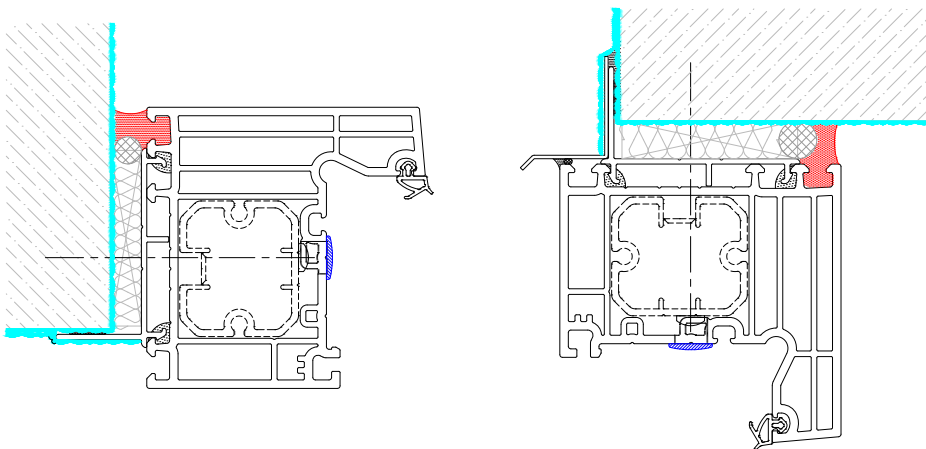


## LB4

At the interior, insert a continuous backer rod and seal the window and T-Mullion to the building structure as shown below.  
Tool as needed.

Note:

Installer to verify that Sealant being used is compatible with Quaker window frame and the surrounding building construction materials.

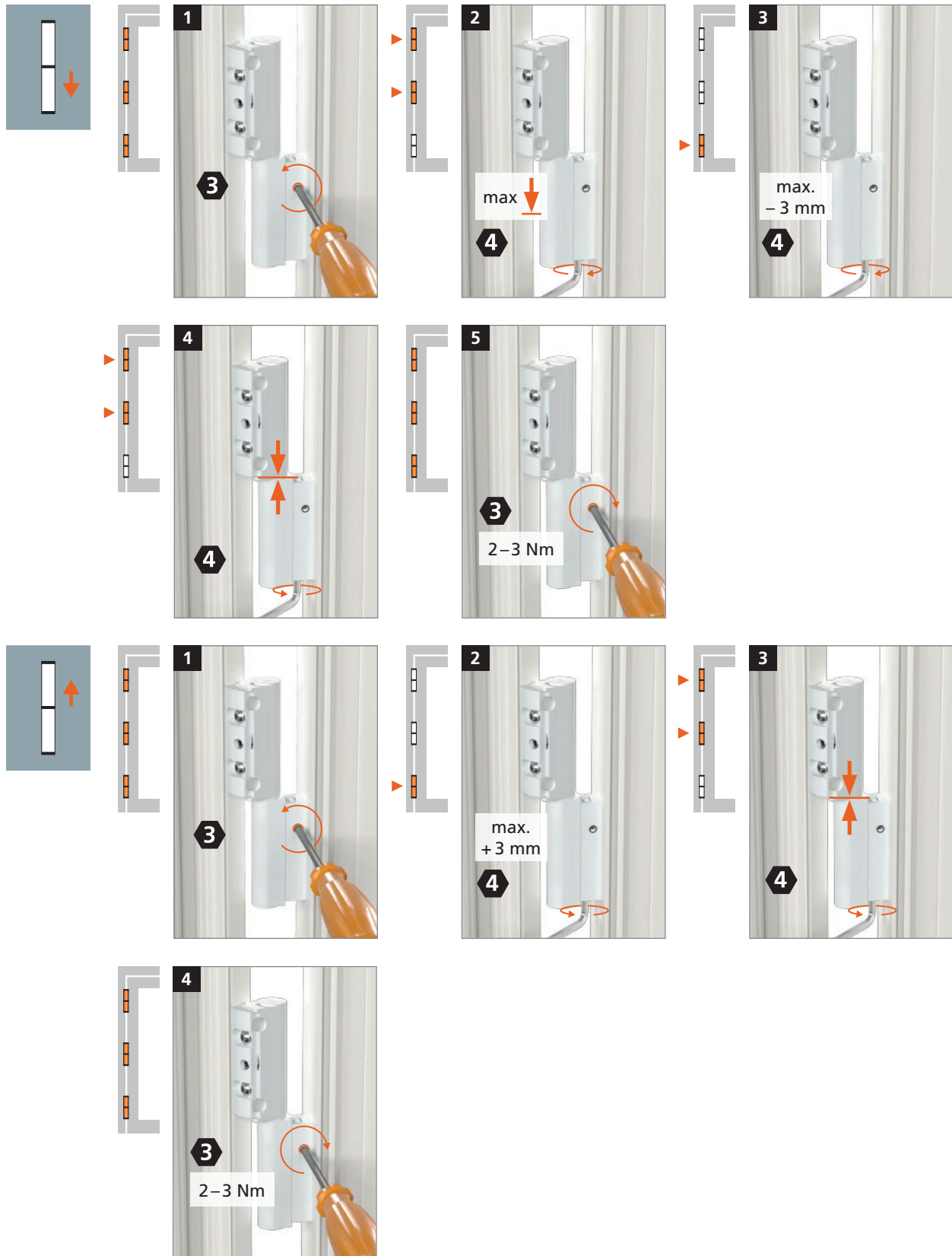


**This Completes the Liquid Barrier Sealing Instructions**

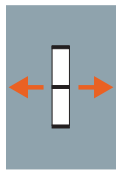
# Door Installation and Hinge Adjustment Instructions

At this time, lift the door onto the hinges. Adjust the door per the instructions below and on page 29.  
Verify locking is still aligned and works properly.

## Höhenverstellung · Réglage en hauteur · Adjusting the height



**Horizontalverstellung · Réglage horizontal · Horizontal adjustment**



**Dichtungsandruckverstellung · Réglage de la compression du joint d'étanchéité · Adjusting the sealing pressure**

