PELLA® 250 SERIES STANDARD AND PREMIUM MULTI-SLIDE STACKING INSTALLATION INSTRUCTIONS

Contents:

SCAN
QR Code for Complete Installation Instructions and Video Instruction

These instructions were developed and tested for use with wall systems designed to manage water. These instructions are not to be used with any other construction methods or door frame types. Installation instructions for use with other construction methods or frame types may be obtained from Pella® Corporation, your local Pella retailer or www.installpella.com. Building designs, construction methods, building materials, and site conditions unique to your project may require an installation method different from these instructions and/or additional care. Determining the appropriate installation method is the responsibility of you, your architect, or construction professional.

Always read the Limited Warranty before purchasing or installing Pella® products. By installing this product, you are acknowledging that this Limited Warranty is part of the terms of the sale. Failure to comply with all Pella installation and maintenance instructions may void your Pella product warranty. See written Limited Warranty for details, including exceptions and limitations at ***pella.com/warranty***, or contact Pella Customer Service at 877-473-5527.

BY PURCHASING, INSTALLING OR USING PELLA PRODUCTS (INCLUDES PELLA GOODS AND PELLA SERVICES), YOU AGREED TO THE TERMS OF THE LIMITED WARRANTY AND YOU AND PELLA FURTHER AGREE TO ARBITRATE DISPUTES ARISING OUT OF OR RELATING TO PELLA PRODUCTS, AND YOU WAIVE ANY RIGHT TO PARTICIPATE IN A CLASS ACTION RELATED TO PELLA PRODUCTS unless you notify Pella of your decision to opt out of the Arbitration Agreement no later than ninety (90) calendar days from the date you purchased or otherwise took ownership of Your Pella Goods. Opting out of the Arbitration Agreement will not affect the coverage provided by any applicable limited warranty pertaining to Your Pella Products. For opt out information and additional details please read the Limited Warranty and Arbitration Agreement for your Pella Products at ***www.Pella.com/arbitration***.

GIF-000002945- Part Number: V989415

BEFORE BEGINNING FRAME ASSEMBLY AND INSTALLATION:

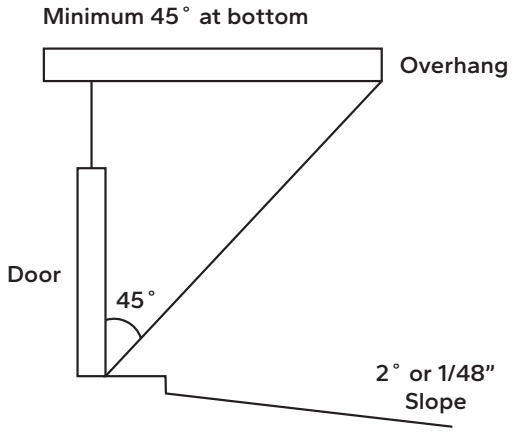
Read through and understand all the assembly steps and the installation process.
Carefully remove shipping/packaging materials and check for any product damage.
Confirm the correct product was received. (Size, color, handing, etc..)
Confirm all parts as listed in the QC Checklist are present and accounted for.

If there are any missing parts, product damage, wrong parts, or other issues...

DO NOT assemble! Contact Pella Customer Service at: 877-473-5527.
Or Contact your local sales representative or customer service team.

Before purchasing and installing, verify performance of product meets the requirements of the application and region. Not all products or sill types are rated for water performance. To reduce the likelihood of water infiltration where application exceeds product performance, install doors under an overhang that extends to meet a 45-degree line from the door sill and slope the exterior 2 degrees away from the door or use a stepdown.

FAILURE TO DO SO MAY RESULT IN DAMAGE TO THE INTERIOR OF THE STRUCTURE.



Parts List:

- #2 Phillips handheld screwdriver
- Pry Bar
- Level
- Square
- Safety glasses
- Utility knife
- Hammer
- Wood block
- Mallet
- Tape measure
- Drill with 3/8", 9/64" bits
- Fine tooth chop saw
- Sealant gun with polyurethane sealant

Supply List:

- Moisture resistant shims/spacers (12 to 20)
- 2" galvanized roofing nails (1/4 lb.)
- #10 x 3-1/2" corrosion resistant wood screws (Performance Upgrade & impact-resistant)
- Masonry screws for concrete applications (Minimum of 3/16' diameter x 3")
- Closed cell foam backer rod/sealant backer (21 to 30 ft.)
- Pella® SmartFlash™ foil backed butyl window and door flashing tape or equivalent
- Pella Window and Door Installation Sealant or equivalent high quality, multi-purpose sealant
- Low expansion, low pressure polyurethane insulating window and door foam sealant. DO NOT use high pressure or latex foams
- Sill pan 6-5/8" x (Rough Opening Width +2)
- Pella aluminum sill support or wood blocking
- Interior trim and/or jamb extensions (15 to 40 ft.)

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IMPORTANT SAFETY AND PRODUCT INFORMATION

Safety Alert Symbol Reference: These symbols are intended to alert you to potential injury hazards and information. Obey all safety messages.

COULD Result in:	⚠ WARNING Major Injury/Death	**COULD** Result in:	⚠ CAUTION Minor Injury
COULD Result in:	NOTICE Product or Property Damage	**COULD** Result in:	IMPORTANT Procedure and Product Info.

⚠ WARNING To ensure safety and security and help prevent property damage, including possible damage to your window or door, close and lock windows and doors any time they are not being used for venting on a nice day, and particularly during high winds or rain. Ensure all windows and doors are properly fastened to the wall structure according to the product anchor instructions. It is the responsibility of the Buyer or User, the architect, contractor, installer, or other construction professional to ensure the appropriate windows and doors are chosen for the project and the wall construction is designed to resist all loads in accordance with local building code requirements.

⚠ CAUTION Many doors in older homes are painted with lead-based paint. Removal of old doors may disturb this paint. Proper precautions must be taken to minimize exposure to dust and debris. Consult state or local authorities and/or go to www.epa.gov/lead for more information.

NOTICE Pella products must be stored in an upright, level position not exposed to weather. The storage must be ventilated and provide protection from direct sunlight and excessive temperature.

IMPORTANT NOTICE Because all construction must anticipate some water infiltration, it is important that the wall system be designed and constructed to properly manage moisture. Pella Corporation is not responsible for claims or damages caused by anticipated and unanticipated water infiltration; deficiencies in building design, construction and maintenance; failure to install Pella products in accordance with Pella's installation instructions; or the use of Pella products in wall systems which do not allow for proper management of moisture within the wall systems. The determination of the suitability of all building components, including the use of Pella products, as well as the design and installation of flashing and sealing systems are the responsibility of the Buyer or User, the architect, contractor, installer, or other construction professional and are not the responsibility of Pella.

Pella products should not be used in barrier wall systems which do not allow for proper management of moisture within the wall systems, such as barrier Exterior Insulation and Finish Systems (EIFS) (also known as synthetic stucco) or other non-water managed systems. Except in the states of California, New Mexico, Arizona, Nevada, Utah and Colorado, Pella makes no warranty of any kind on and assumes no responsibility for Pella windows and doors installed in barrier wall systems. In the states listed above, the installation of Pella Products in barrier wall or similar systems must be in accordance with Pella's installation instructions. Product modifications that are not approved by Pella Corporation will void the warranty.

CARE AND MAINTENANCE: Refer to the Pella Owner's Manual. Visit www.pella.com or your local retailer for more information.

CLEANING INSTRUCTIONS: Refer to the Pella Owner's Manual for comprehensive maintenance and cleaning information. Visit *www.pella.com* or your local retailer for more information.

GLASS: Remove any protective film and labels and clean the glass, using a soft, clean, grit-free cloth and mild soap or detergent. Be sure to remove all liquid by wiping dry or use a clean squeegee.

NOTICE DO NOT apply any other types of film to the glass. Doing so could void product warranty.

PELLA® 250 SERIES DOOR FRAMES: The vinyl frame may be cleaned using the same method as the glass. For stubborn dirt, a "non-abrasive" cleaner such as Bon-Ami® or Soft Scrub® may be used.

NOTICE Do not use solvents such as mineral spirits, toluene, xylene, naphtha or muriatic acid as they can dull the finish, soften the vinyl and/or cause failure of the insulated unit seal.

NOTICE Do not use Isopropyl Alcohol on laminated surfaces as it will damage the finish. Keep door tracks clear of dirt and debris. Keep weep holes open and clear of obstructions.

NOTICE DO NOT use abrasives. DO NOT scrape or use tools that might damage the surface.

NOTICE DO NOT use inappropriate solvents or brickwash or cleaning chemicals. If you do, permanent damage can result and the product failure, loss or damage would not be covered by the Limited Warranty.

GIF-000002945- Part Number: V989415

INSTALLATION INSTRUCTIONS FOR TYPICAL WOOD FRAME CONSTRUCTION

NOTICE Header must be designed to bear the weight of all building (roofing) and construction loads. Maximum allowable header deflection of 1/4" over total span of the opening.

NOTICE Sill structure and framing must be designed and constructed to carry the weight of the door frame and door panels.

Installation Instructions for Typical Wood Frame Construction:

These instructions were developed and tested for use with typical wood frame wall construction in a wall system designed to manage water. **These instructions are not to be used with any other construction method.**
Building designs, construction methods, building materials, and site conditions unique to your project may require an installation method different from these instructions and additional care. Determining the appropriate installation method is the responsibility of you, your architect, or construction professional.

NOTICE **With multiple tracks it's very important to make sure the threshold is level the entire length of the opening and the distance from the interior to exterior.**

NOTICE **FAILURE TO PROVIDE ADEQUATE ROUGH OPENING SILL PROTECTION FOR WOOD THRESHOLDS WILL VOID PRODUCT WARRANTY.**

NOTICE **Proper steps must be taken when flashing and applying sealant to ensure proper waterproofing of the unit.**

1 Opening Preparation:

A. **Confirm the opening is plumb and level.**

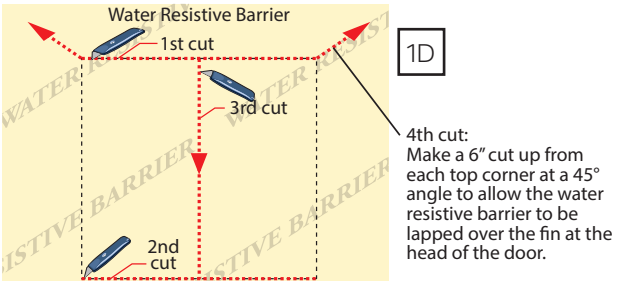
NOTICE **It is critical the bottom is level and does not slope to the interior or exterior.**

B. **Remove dirt, oil or debris** from the opening and surrounding wall surfaces.

C. **Confirm the door will fit the opening.** Measure all four sides of the opening to make sure it is 1/2" to 3/4" larger than the door in both width and 1/2" larger in height. Measure the width and height in several places to ensure the header or studs are not bowed.

NOTICE 1-1/2" or more of solid wood blocking is required around the perimeter of the opening. Fix any problems with the rough opening before proceeding.

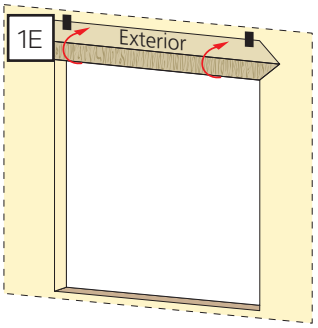
NOTICE It is important to consider the door's exposure to weather, the exterior landing surface type and its proximity to the door sill, and to confirm impervious exterior surfaces properly slope away from the door prior to continuing with installation.



D. **Cut the building wrap.**

1 Opening Preparation (continued):

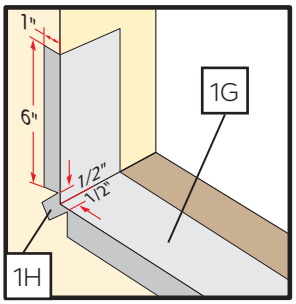
E. **Fold the building wrap in at the jambs and staple it in place.** Fold the top flap up and temporarily fasten with flashing tape.



NOTICE If using a sill pan or if the door will be installed on a concrete slab, refer to the instruction page at the end of this instruction.

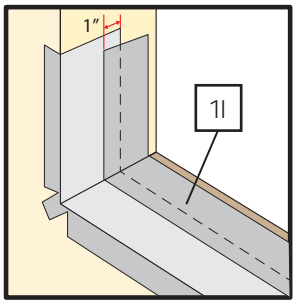
F. **Cut two pieces of flashing tape** 12" longer than opening width.

G. **Apply sill flashing tape #1** at the sill extending 1" to the exterior and 6" up each jamb.

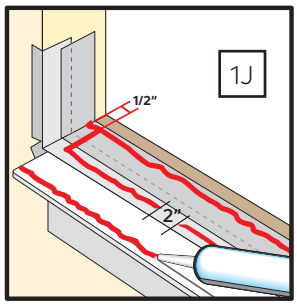


H. **Cut 1" wide tabs** at each corner by tearing the foil 1/2" each way from the corner.

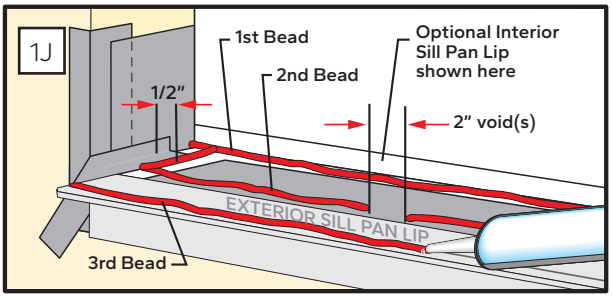
I. **Apply sill flashing tape #2** overlapping tape #1 by at least 1" by 1" minimum.



J. **Place three 3/8" beads of sealant across the opening sill.** Place the interior-most bead 1/2" from where the interior of the door sill will remain after installation. Continue this bead up the sill pan lip, if applicable.



K. **Place a second bead beginning from the interior bead** 1/2" from each side, out to the exterior of the framing and along the opening. Leave 2" voids 4" from the corner and at center. Place a third bead where the exterior of the door sill will remain after installation.



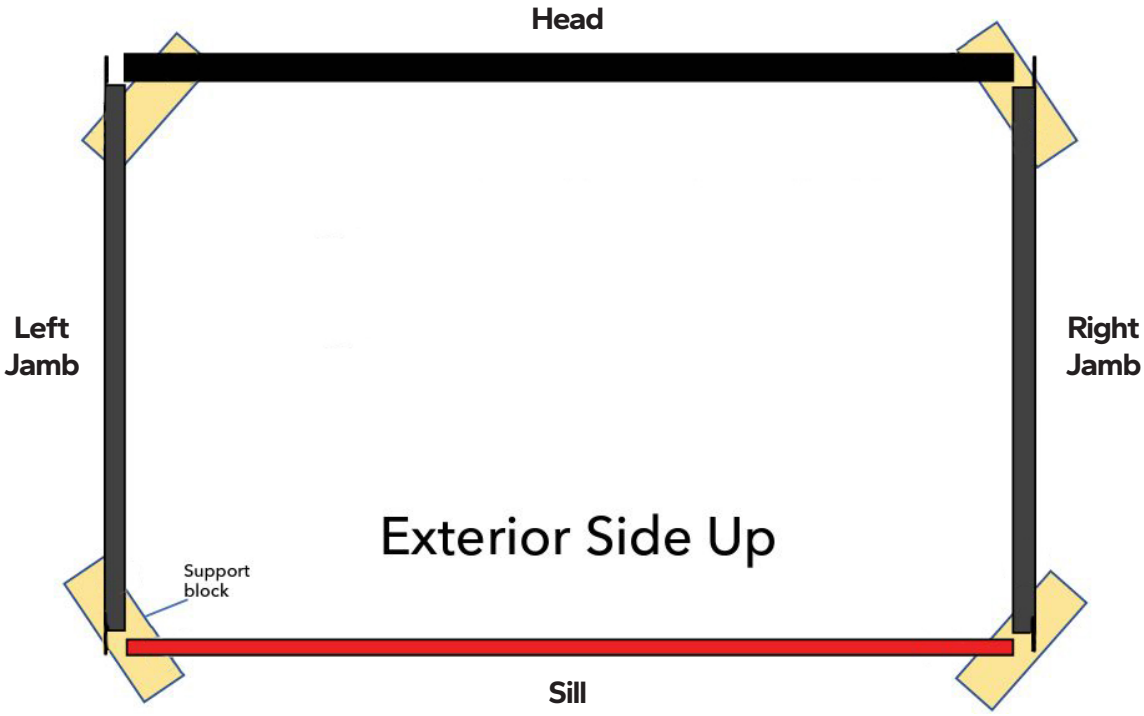
2 Frame Assembly:

NOTICE Doors which come as knock down come with the frame caps installed in the frame. The caps need to be removed to access the outer track to install frame installation screws.

A. **Identify frame parts necessary** (head, 2 jambs and a sill). The sill can be identified by the weep holes.

Position the head, sill and 2 side jambs exterior side up on a clean flat surface in the orientation in which they will be assembled. Insert wood blocks under each corner to support and level the corners on an uneven surface. Or position the frame parts on sawhorses.

Be sure to assemble one frame corner at a time. Joining the sill to the jambs first, followed by joining the head to the jambs.

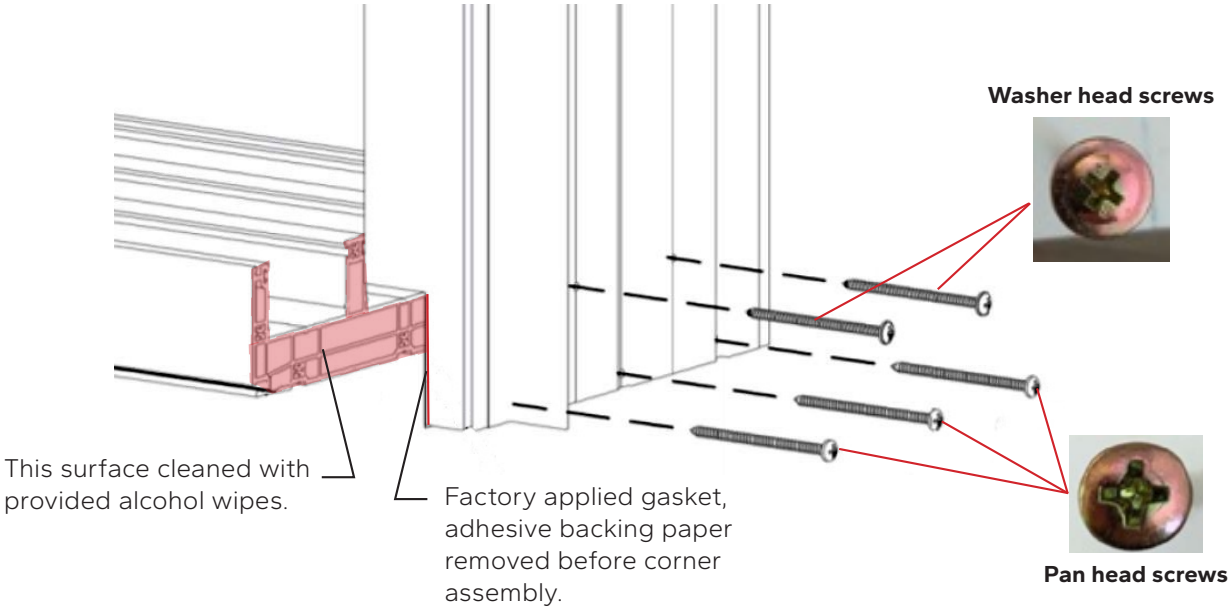


NOTICE **Pay close attention to each end of the frame parts, the exterior, and interior. Make sure they are aligned with the mating frame piece. There is a deep groove on the exterior side and only a die line on the interior side. They should match up with the sill determining interior and exterior.**

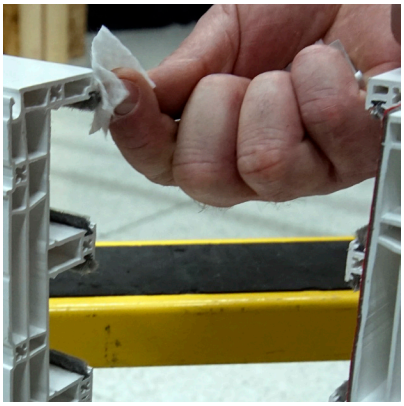
2 Frame Assembly (continued):

B. **If the frame caps came installed in the parts, remove the frame caps from the head, jambs and sill.**

NOTICE **Use care if using an impact driver during the Frame Assembly Process. If not careful, impact drivers can cause screw head breakage.**



C. **Using the provided alcohol wipes,** clean the area where the jamb gaskets will be adhering to on the head and sill.

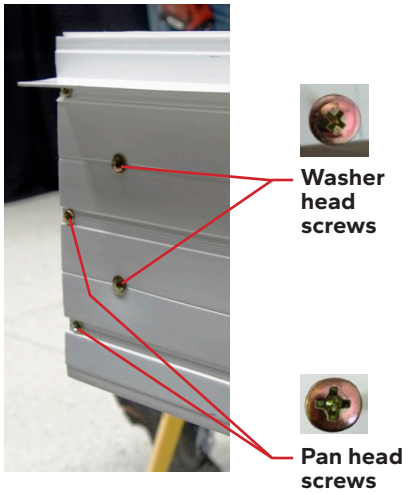


D. **Remove the adhesive backing paper** from the gasket on one jamb frame corner near the sill. Position the jamb and sill together.

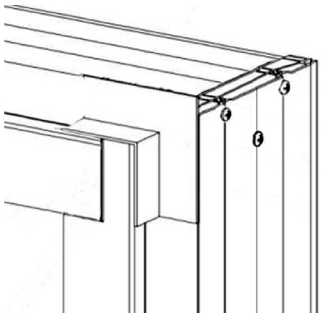
2 Frame Assembly (continued):

E. **Insert the packaged frame assembly screws** into the predrilled holes in the jamb. Pan head screws will go in the recessed sections of the frame. The washer head screw will go in the holes with the flat surface. One corner at a time, make sure each screw is aligned with the proper screw boss, and tighten each screw sequentially and evenly until the jamb is tightened firmly against the sill and/or head. Be careful not to over torque and strip out the vinyl or pull through the jamb's walls. There should be a slight dimple in the frame where the washer head screws are applied.

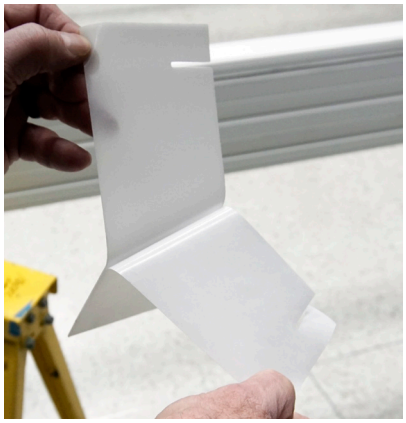
NOTICE **Use care if using an impact driver during the Frame Assembly Process. If not careful, impact drivers can cause screw head breakage.**



Repeat 2C-2D on the other sill jamb/sill corner and then on the two head/jamb corners.



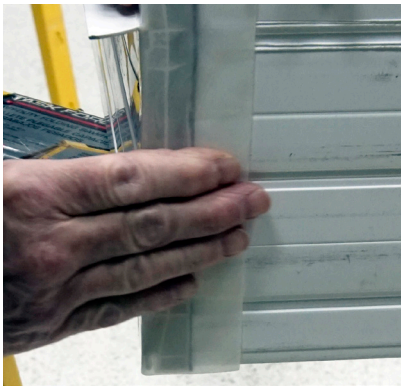
F. **Remove the adhesive backing paper** of the seal tape to expose the sticky side of the tape.



2 Frame Assembly (continued):

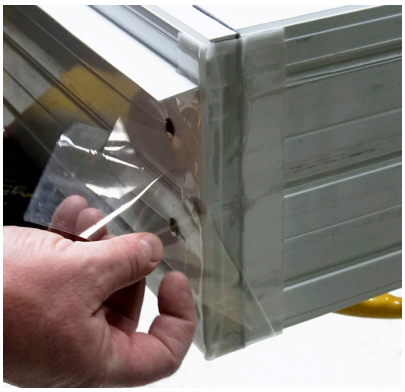
G. **Apply the provided seal tape** to the outside of the jamb-sill joint on both sides. Press the tape firmly in place.



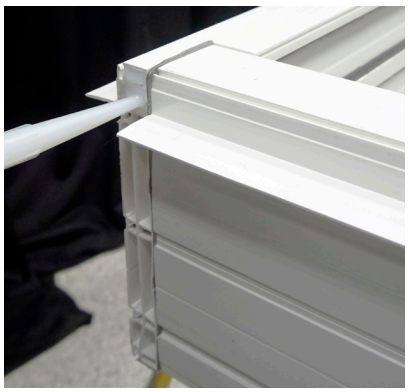


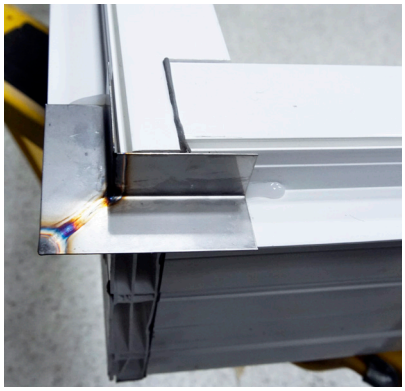
H. **Once the tape has been applied,** remove the Mylar backing. Once the Mylar backing has been removed, work the tape into any voids in the frame to ensure a good seal.

I. **If needed flip the frame over,** so the exterior side is facing up.




J. **Apply the head nail fin corner.** Using the provided sealant, fill the outer most hole on top of the frame as well as apply a bead of provided sealant to the nail fin on the jamb and head. Firmly apply the nail fin corner into place. Make sure the nail fin corner is on the outer portion of the frame mounted to the face of the frame.



3 Frame Installation:

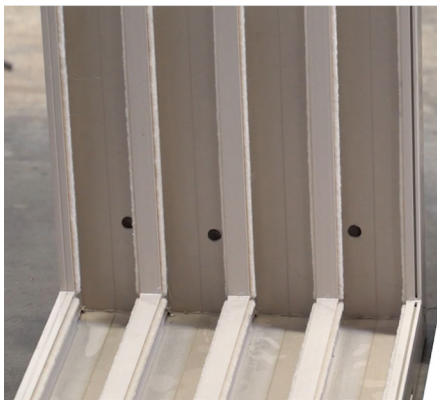
A. **Pre-drill 3/8” holes through the first layer of vinyl only.** These will be plugged later with the 3/8” provided hole plugs near the completion of this installation. When drilling use the appropriate screw pattern as noted below.

NOTICE Do NOT drill on the die lines, but towards the center of the frame.

3-Track Multi-Slide Door: the screw pattern should be 3-6” from each corner and every 16” on center in the outer and inner track.

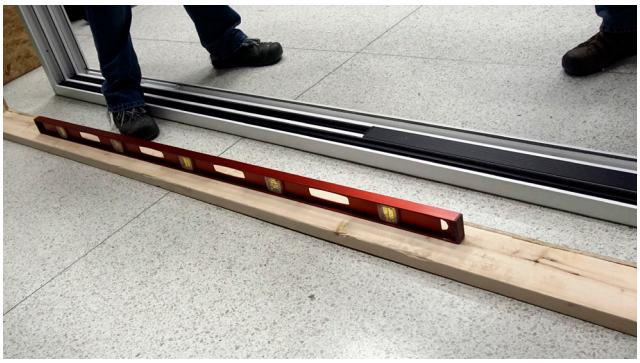
4-Track Multi-Slide Door: the screw pattern should be 3-6” from each corner and every 16” on center in the outer track and the two inner tracks.

3-Track Frame



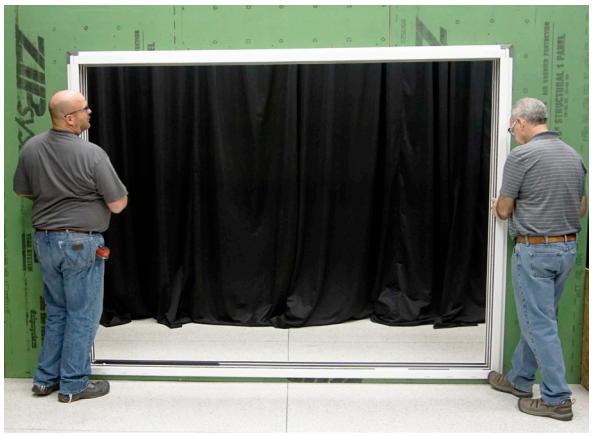
4-Track Frame

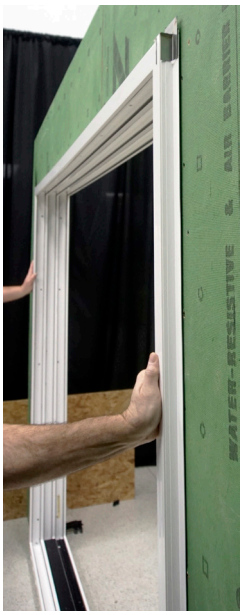
B. **Confirm the rough opening sill is level.** Place a level on the sill to confirm the sill is level. If it is not level, shims will be needed under the frame sill to make sure it is level when installed.



3 Frame Installation (continued):

C. **Center the bottom of the door in the opening** and tilt the door into position. Do not slide the door into the opening. Sliding will damage the sealant lines. Check the jambs for plumb and confirm there is room for shimming between the jambs and opening on each side.

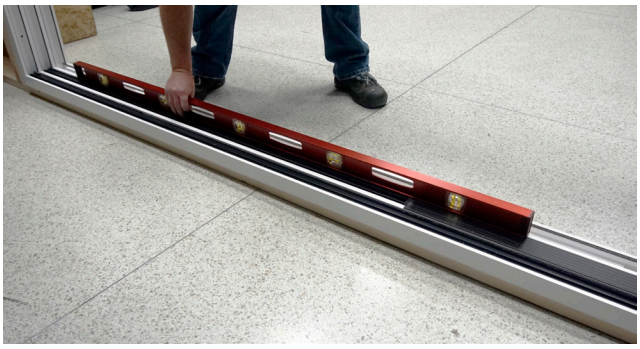




D. **Walk across the sill** to compress the sealant and confirm the frame is firmly on the threshold, free of any humps due to the sealant under it.

E. **Confirm the sill is level.** Place a level on the sill to confirm the sill is level. Add shims to level the sill as needed.

For Doors without a nail fin, proceed to step 3l.

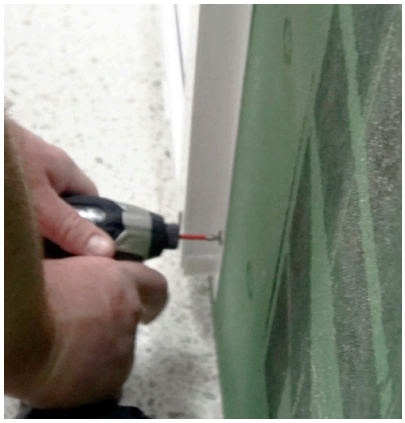


3 Frame Installation (continued):

Doors with a Nail Fin:

F. **On one side of the frame,** place shims between the frame and rough opening at the sill to wedge the bottom of the frame in place. Insert a screw through the exterior nail fin near the sill.

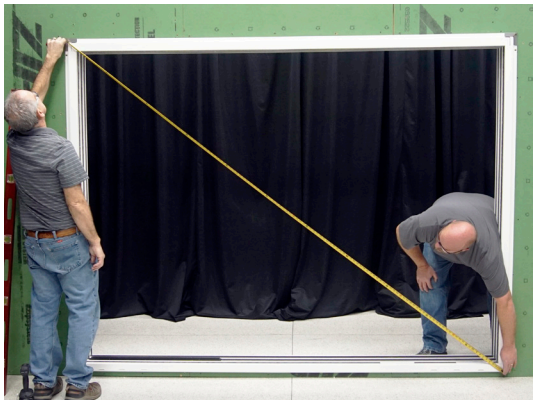
G. **On the other side of the frame,** place shims between the frame and rough opening near the sill to wedge the bottom of the frame in place. Insert a screw through the exterior nail fin.

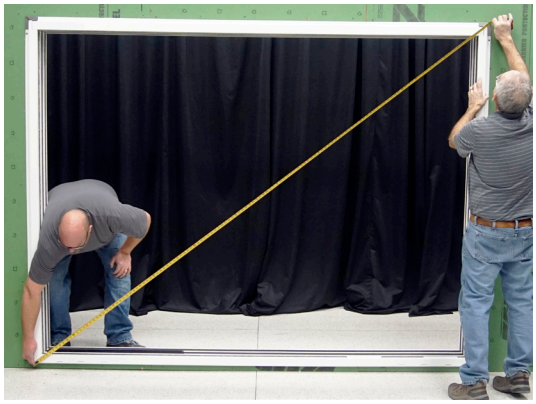


H. **On one side of the frame,** place shims between the frame and rough opening near the head to wedge the top of the frame in place. Insert a screw through the exterior nail fin near the head.

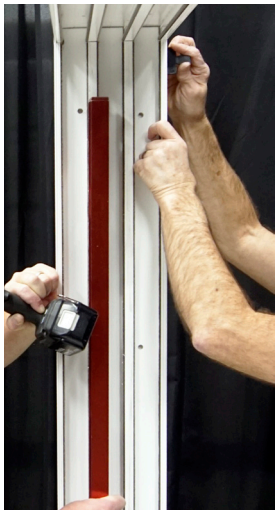
3 Frame Installation (continued):

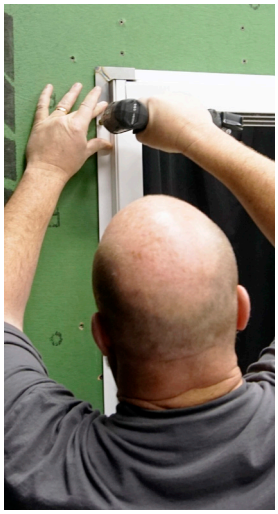
I. **Measure the frame diagonally** to confirm the frame is square in the opening.





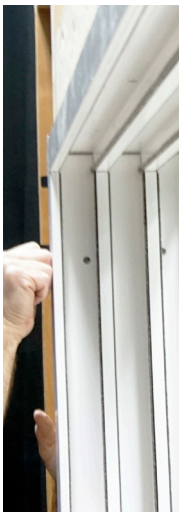
J. **On the other side of the frame,** place shims between the frame and rough opening near the head to wedge the bottom of the frame in place. Insert a screw through the exterior nail fin.





Doors With or Without a Nail Fin:

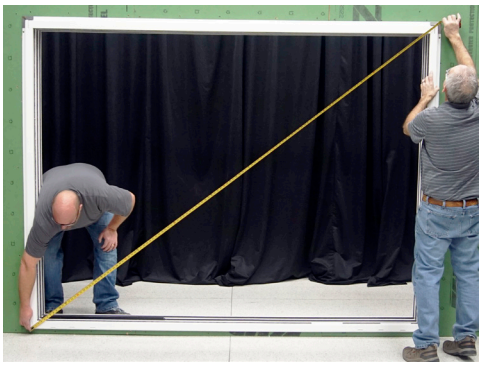
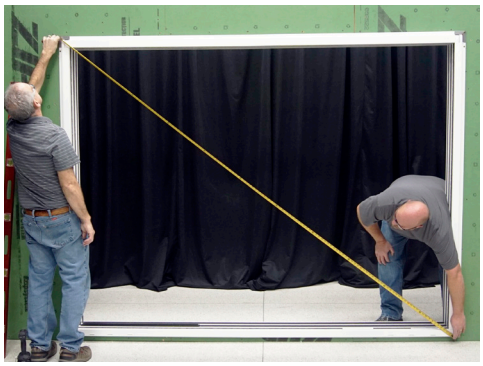
K. **On one jamb, starting near the sill,** 3"-6" from the corner, insert and fasten an installation screw in each predrilled hole in the tracks with shim(s) between the frame and rough opening. Work up the jamb spacing the installation screws & shims no more than 16" apart. Check the jamb with a level while moving up toward the frame head. Finish installing the top screw 3"-6" from the corner.



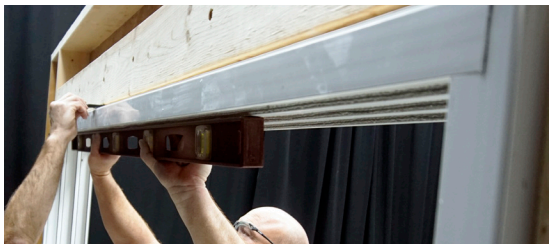
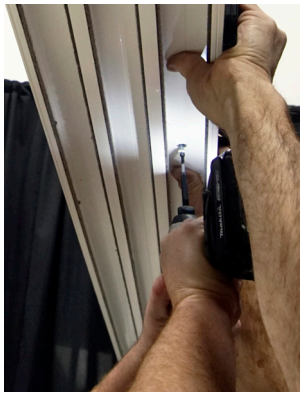
L. **Repeat fastening the installation screws and shims** on the other jamb.

3 Frame Installation (continued):

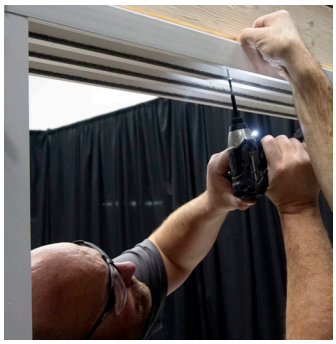
M. **Measure the frame diagonally** to confirm the frame is still square in the opening.

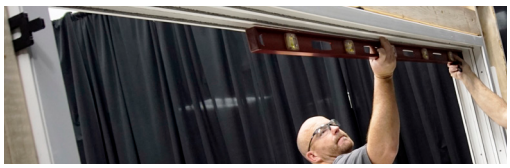
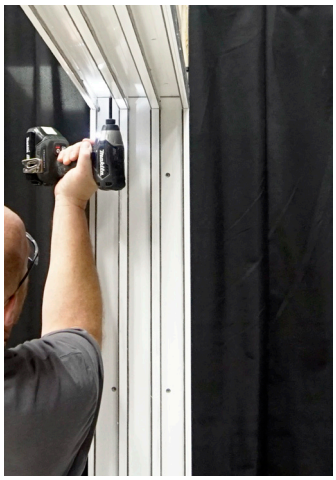



N. **Beginning near the center of the head shim and install a frame screw,** checking the head with a level.

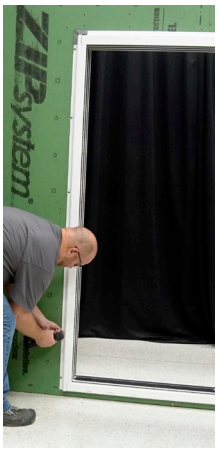

O. **Finish installing the head frame screws and shims** spaced ~16" apart and 3"-6" from the corners. Check the head with a level frequently to make sure it is perfectly straight.

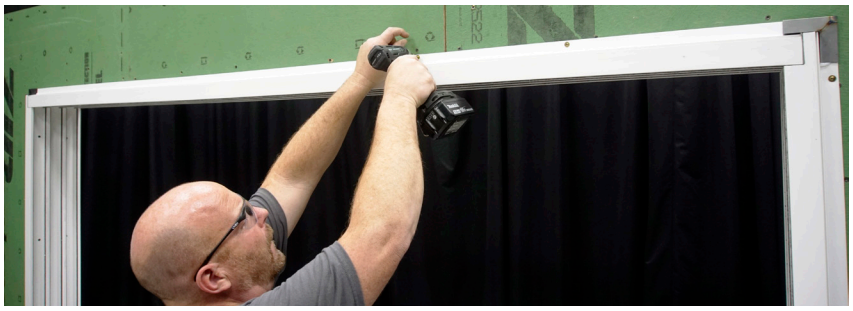


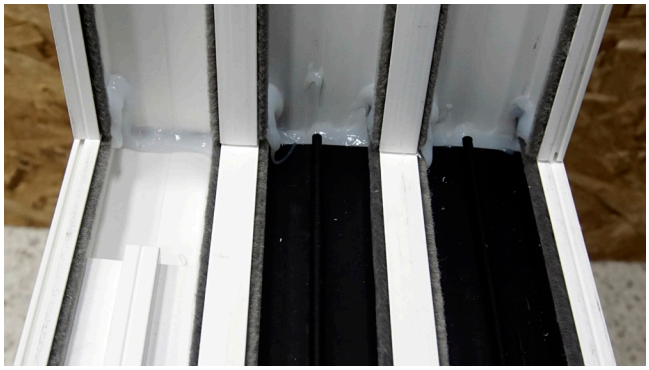
3 Frame Installation (continued):

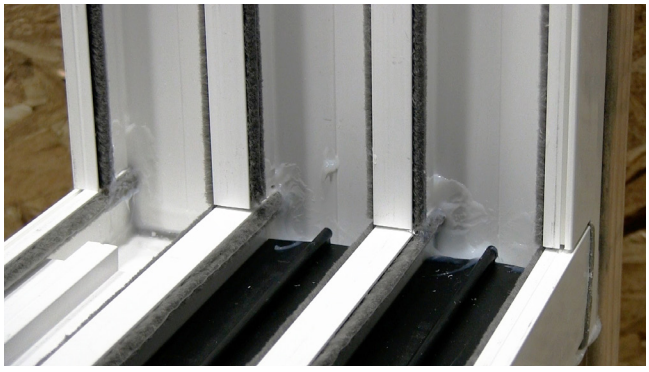
P. **Complete the frame install** by inserting screws through the nail fin spaced every 12".





Q. **Apply sealant on both sides of the frame where the jamb and sill meet in the locations shown.** It may be necessary to slide the sill tracks out of the way to have adequate room for sealant application. Tool the sealant to ensure proper coverage.





4 Panel Installation:

Vent-Panel Installation:

A. **Before the panels are installed make sure all the tracks are snapped securely in place.** Use a block of wood and hammer and work down the entire length of each of the door's tracks. This will ensure the tracks are snapped into place which may have shifted during shipping.

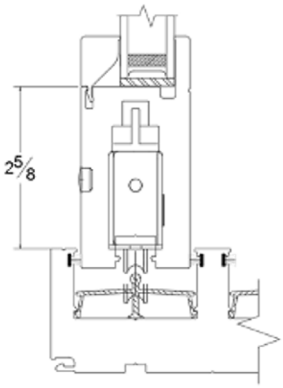

B. **Install the first vent panel** (the panel onto which the handle hardware will be installed) into the inner track.




C. **On a Standard door;** raise the roller adjustment to maximum height using a #2 Philips hand screwdriver.

On a Premium door; raise the roller until the measurement from the top of the threshold leg to the bottom of the glazing bead is 2-5/8". Be careful not to over tighten the screws.

Tip: Lift one corner up to take the weight off the roller.



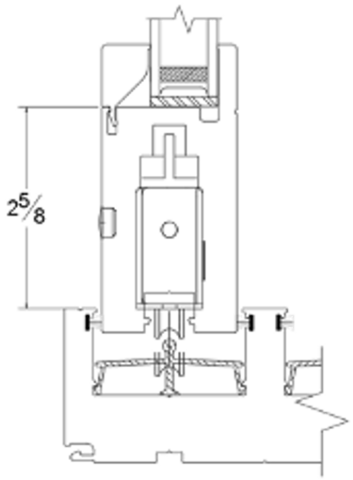


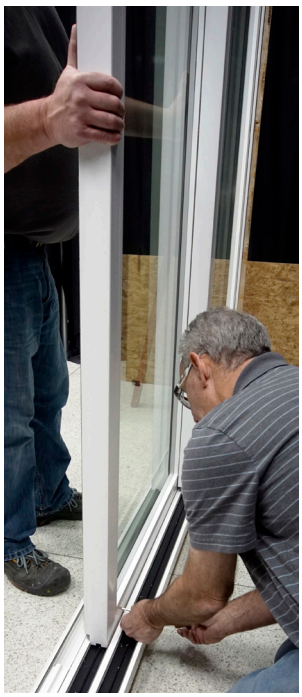
4 Panel Installation (continued):

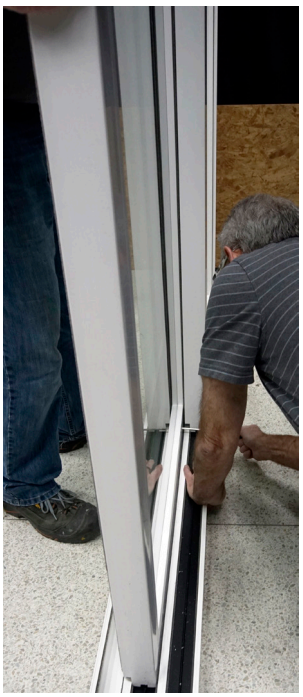
D. **Slide the vent panel over to the lock side jamb** and then the other jamb to check the reveal.

E. **Install the next intermediate panel** into the next track following the process as the first vent panel.

F. **Repeat 4C** on this panel and subsequent vent panels.







4 Panel Installation (continued):

G. **Check the reveal with the 2nd panel against the stacking side jamb.** It should be even and straight just as the first panel.

H. **Hold the locking vent panel and the 2nd vent panel together** and slide them as one. Check to see if the panels are sliding evenly together without shifting opposite of each other. Also check to confirm panels are flush with each other.

I. **Follow steps 4E-4H** for the 3rd active panel on 4-track doors.

4 Panel Installation (continued):

J. **After all the vent panels are installed, adjust the frame as necessary to get the acquired reveals.** Then, collectively check the reveals of every panel by sliding them together as one. Make sure the panels slide without any shifting opposite the other panel or panels. Adjust the reveals as needed by shimming the frame. Keep in mind if you need to shim under the frame near the interior panel, it will affect the second and/or third panel. This is why the shimming process at the beginning is very important to minimize any reveal issues.

Fixed-Panel Installation:

K. **Make sure the Fixed Panel setting blocks are positioned correctly.** One should be positioned near the jambs corner and the other block should be placed approximately where the other edge of the fixed panel will sit.

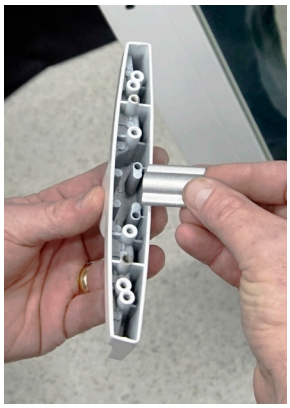
L. **Install the fixed panel into the head of the frame** and onto the setting blocks. Push the panel completely into the jamb pocket. Do not secure the fixed panel into place at this time.

5 Hardware Installation:

If the door does not have flush mounted hardware, install the handle hardware now.

NOTICE When installing any hardware always use a #2 Philips hand screwdriver.

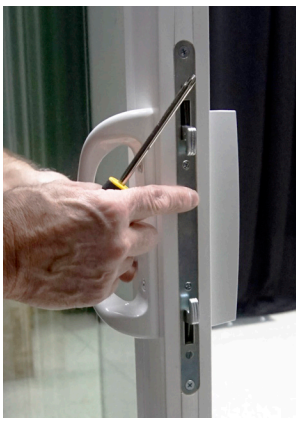
NOTICE If installing standard hardware with no key lock, the filler piece must be installed into the exterior handle in place of the key lock. Failure to do so could compromise the security of the product.

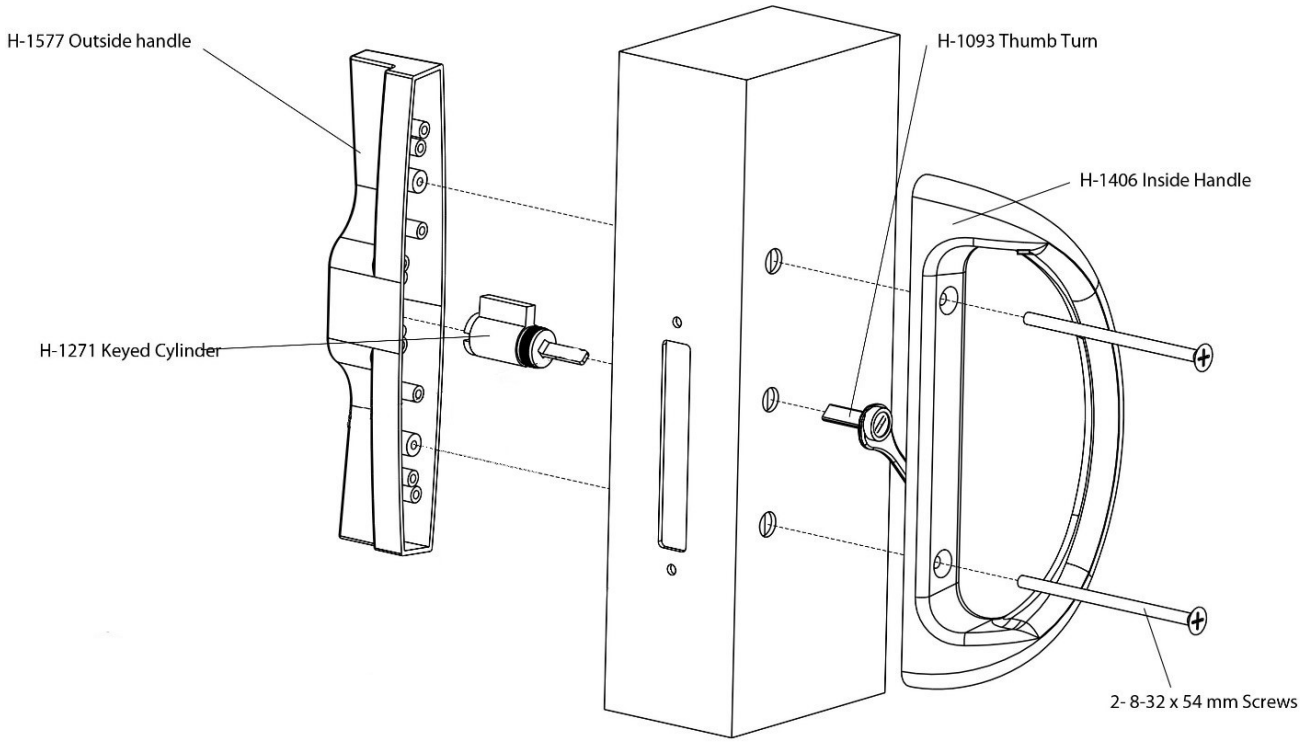


A. **Position the exterior handle on the exterior of the panel.**

B. **Insert the interior thumbturn into the lock** and position the interior handle onto the interior side of the panel.

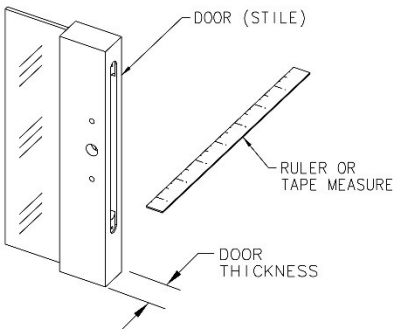
C. **Insert and tighten the provided attachment screws.** Depress the anti-slam button and turn the thumbturn to test the lock.





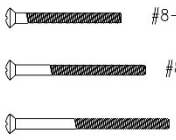
STEP 1

MEASURE DOOR THICKNESS.



STEP 2

DETERMINE THE PROPER LENGTH OF MOUNTING SCREWS.



DOOR THICKNESS RANGE	#8-32 PHILLIPS SCREW LENGTH
1 3/16 TO 1 9/16	1.750
1 9/16 TO 1 15/16	2.125
1 15/16 TO 2 5/16	2.500

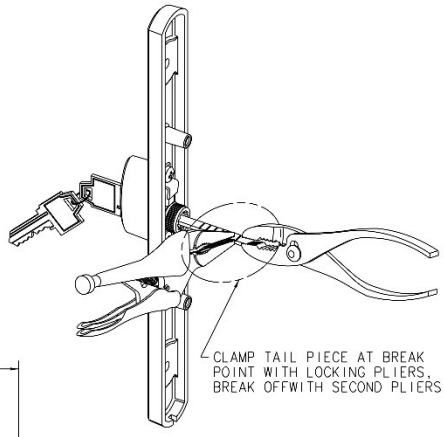
TRUTH HARDWARE
Truth Hardware
an FKI Industries company
700 West Bridge Street
Owatonna, MN 55060
Telephone 507-451-5620

INSTALLATION INSTRUCTIONS

HANDLES, KEEPERS AND OTHER COMPONENTS MAY NOT BE AN EXACT MATCH WITH WHAT YOU ARE INSTALLING BUT THE INSTALLATION PROCEDURE IS BASICALLY THE SAME.

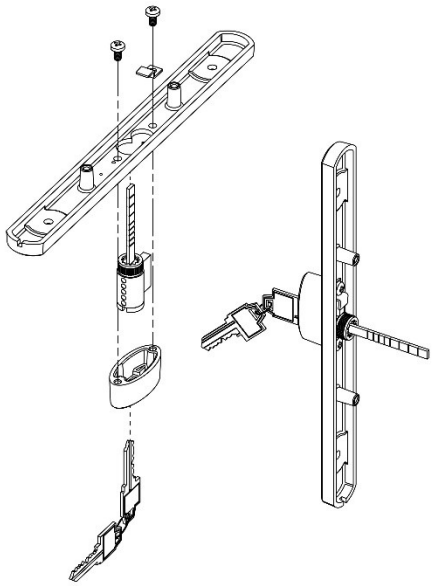
STEP 5

BREAK OFF TAIL ENDS WITH PLIERS



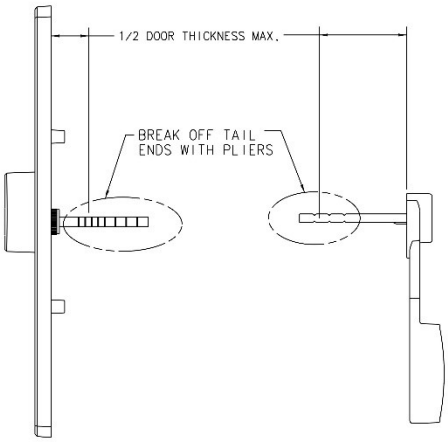
STEP 3

LOCK CYLINDER / ESCUTCHEON ASSEMBLY



STEP 4

SIZE TAIL PIECES TO SUIT DOOR THICKNESS



DETERMINING TAIL PIECE BY FINDING BREAK MARK CLOSEST TO 1/2 DOOR THICKNESS MAX.

ITEM 93107 PAGE 1 REV 2

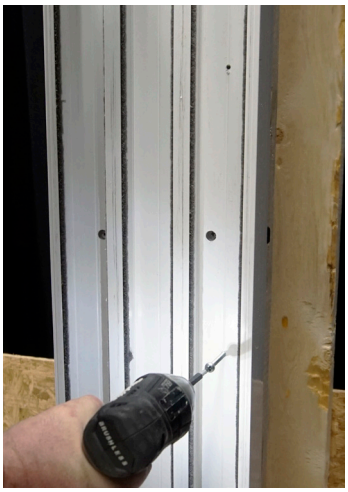
5 Hardware Installation (continued):

D. **Install the keeper.** To find the final location of the keeper, position the keeper onto the lock on the door panel and operate the lock to hold the keeper on the edge of the panel.

E. **Slide the door close to the jamb and mark the frame** where the top of the keeper is positioned.

F. **Unhook the keeper from the panel** and set it in the jamb aligning it with the pencil mark transferred to the frame. Use the die line in the center of the pocket for the center reference; mark the center of the top and bottom keeper holes on the frame.

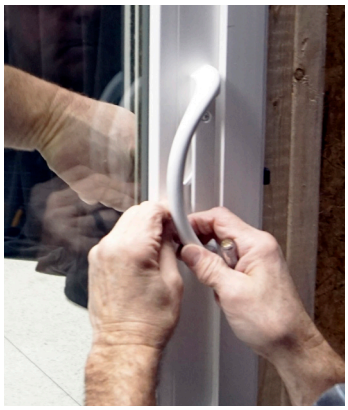
After marking the holes, use a keeper installation screw to start a hole at each marked location.



5 Hardware Installation (continued):

G. **With the keeper screws provided,** secure the keeper onto the frame.

H. **Close the door and operate the lock a few times** to confirm it engages the keeper.

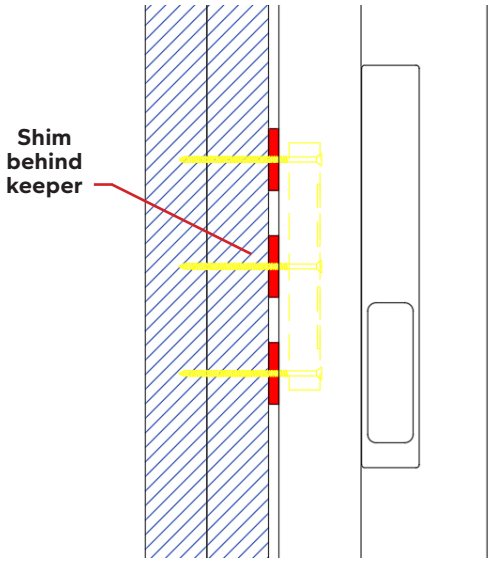


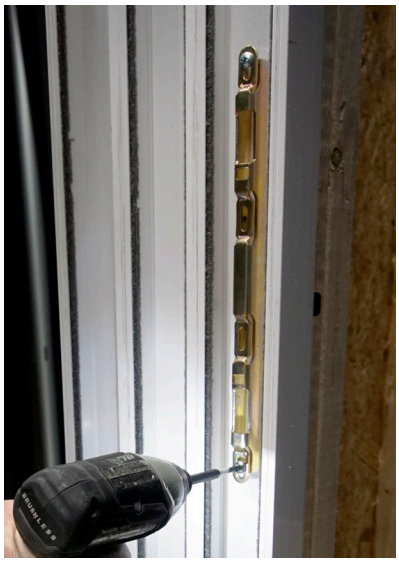
I. **If the lock engages the keeper open the door** and install the center screw(s) in the keeper.

J. **If the lock does not engage the keeper open the door and either adjust the lock throw** (see lock adjustment on page 25). Or remove the keeper and add the shim behind the keeper and then re-install the keeper.

5 Hardware Installation (continued):

L. **When doing the final keeper install,** make sure to shim behind the keeper between the frame and the rough opening.



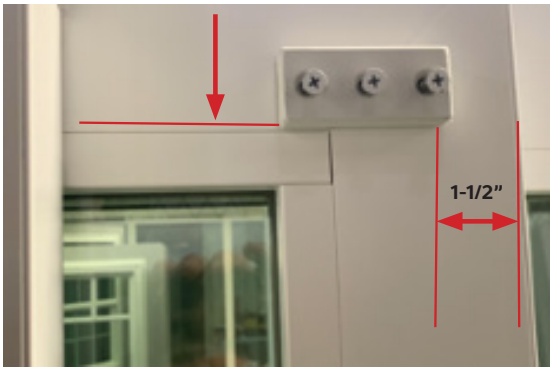


M. **If the door was purchased with hardware other than the flush hardware,** a panel stop will be provided. The panel stop is to stop the active panel before the hardware handle contacts the 2nd panel This stop will need to be mounted at the top back of the 2nd panel.

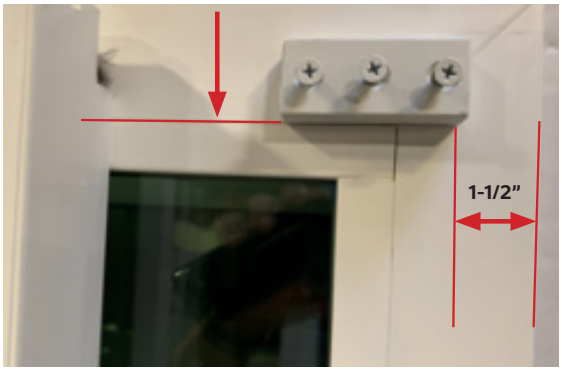
NOTICE **Most panels will come with pilot holes drilled, but it is recommended to drill the pilot holes out with a 9/64" bit to avoid screw breakage, especially if using an impact driver.**

NOTICE **DO NOT position the stop on top of the Glazing Bead.**

If the panel is not drilled out at all, align the panel stop in the proper position using the locations shown below and mark where to drill. Use a 9/64" drill bit to pre-drill for the installation.



Premium Placement



Standard Placement

5 Hardware Installation (continued):

Lock Hardware Adjustments

On the panel lock mechanism there is an adjustment to move the hooks in or out. There should be some play in the lock. If there is not, then there is a possibility there will be locking issues in the future due to thermal expansion.

Adjusting the play in the lock:

On the face of the lock there will be a flat head adjustment screw. Depending on the lock, there may be one or two adjustment screws.

NOTICE **NEVER USE A DRILL. USE A 3/16" HAND SCREWDRIVER AND DO NOT OVER TORQUE.**

Single screw adjustment: Clockwise will move both hooks tighter to the panel and counterclockwise will move them further from the panel.

Double screw adjustment: Each adjustment works independently for each hook. Clockwise will move the one hook tighter to the panel and counterclockwise will move it further from the panel.

NOTICE **THE PURPOSE OF THE ANTI SLAM BUTTON IS TO PROTECT THE LOCK FROM MISUSE AND/OR DAMAGE TO THE PRODUCT. NEVER ENGAGE THE HOOK LOCKS WHEN THE PANEL IS OPEN. IF THE DOOR IS SHUT WHEN THE HOOK LOCKS ARE ENGAGED, THEY WILL HIT THE KEEPER IN THE JAMB AND DAMAGE THE LOCK MECHANISM. THIS WILL VOID THE LOCKS WARRANTY.**

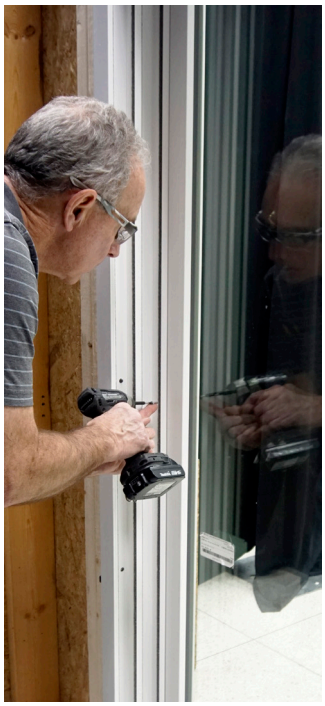
PREMIUM LOCK

STANDARD LOCK

6 Secure the Fixed Panel and Frame Cap Installation:

A. **With the lock working properly,** you can now secure the fixed panel into place. Shut the door completely, so the locking vent panel is completely in the pocket against the keeper, but the other panels are pushed back engaging the interlocks properly. Lock the door.

B. **Using the fixed panel screws provided,** secure the fixed panel through the mohair on the parting bead on the jamb in three locations, one near the top, middle and bottom of the panel.


C. **Apply sealant around the exterior perimeter of the fixed panel where the fixed panel meets the frame.** Tool the sealant as needed.






6 Secure the Fixed Panel and Frame Cap Installation (continued):

D. **Apply sealant to the interior jamb pockets then install the interior jamb fixed panel cap(s);** the caps will cover the frame installation screws making for a clean finish. Insert one end and apply pressure along the length of the cap to snap the cap into place.

E. **Apply sealant to the exterior jamb pockets,** this will eliminate any shifting from expansion and contraction. Insert one end and apply pressure along the length of the cap to snap the cap into place.

6 Secure the Fixed Panel and Frame Cap Installation (continued):

INSTALLATION OF TOP AND BOTTOM CAPS

NOTICE **Even though the caps are typically shipped in the frame, they will still be most likely need to be trimmed to length. Trimming the caps is one of the most important steps of installing these doors. Failure to allow for proper clearance will result in faulty operation and damage to the product. If the Threshold Cap is installed tight, it can split the main frame at the corner due to thermal expansion of the aluminum. This will not be covered under warranty. If the caps for the other vent panels don't have the proper clearance, it could result in the door not locking properly.**

F. **Mark on the sill and head of the frame** where each panel ends.

G. **Measure from each marked line to the frame jamb and deduct 1/8".** Keep in mind the thickness of the bumper on the vent panel track(s) needs to be included in the overall size.

   TIP: Place the bumper in the vent panel caps when measuring to cut each cap.

   For the fixed panel measure from the frame jamb to the panel and deduct 1/8".

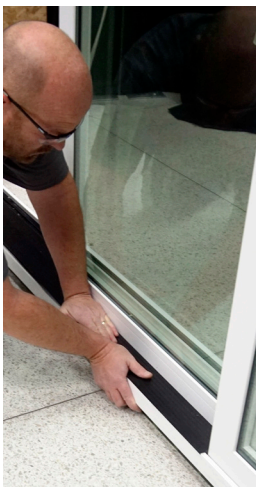
H. **Install the top caps.** Add dabs of polyurethane sealant on both sides of the pocket, top and bottom as well as every 16" between. **This will help eliminate any movement of the caps.** Be careful not to go further than the length of the caps with bumpers. Make sure to put the bumper in the middle track(s).



6 Secure the Fixed Panel and Frame Cap Installation (continued):

I. **Install the threshold caps.** The rounded end of the outer most cap faces the exterior. Make sure to put the bumper in the middle track/tracks.



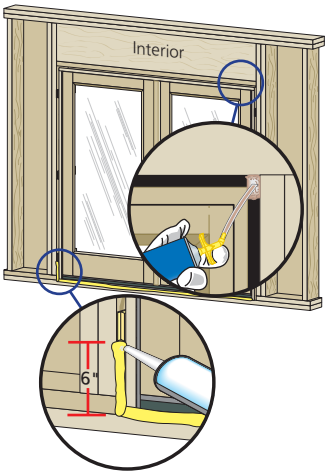


J. **Install button plugs in any 3/8" exposed pre-drilled holes,** including the panel roller adjustment holes.





Interior Sealant Instructions



CAUTION: ***Continuous backer rod (as necessary) and a high quality, low-odor interior sealant such as Pella Window and Door Installation Sealant (or equivalent) is recommended for commercial or high performance installations to create the continuous interior seal. Follow the directions on the cartridge. For standard performance or products with factory applied jamb extensions, use low pressure polyurethane insulating foams. Follow the directions on the can. Do not use high pressure or latex foams. Fiberglass batt or similar insulation is not recommended as it can absorb water and does not act as an air seal.***

A. **Insert the nozzle** or straw between the rough opening and door frame from the interior. Use pliers (if necessary) to compress the end of a straw tube to allow it to fit in tight openings.

B. **Place a 1" deep bead of foam** approximately 1" from the interior of the frame to allow for expansion. DO NOT fill the entire depth of the rough opening cavity.

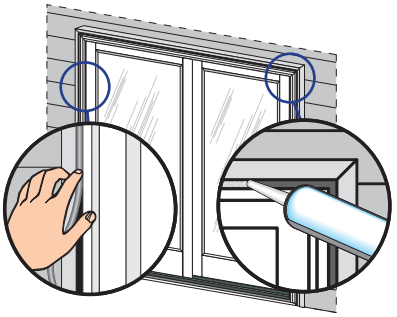
NOTE: ***Apply foam between the frame and rough opening, NOT between jamb extensions and the rough opening.***

C. **Re-check door operation** and remove remaining shipping spacers after foam installation. Excess foam may be removed with a serrated knife after it cures.

D. **To ensure a continuous interior seal,** apply sealant over or around any shims or clips interrupting the foam seal.

E. **Place a continuous bead of sealant** across the inner sill at the intersection of the door sill and subfloor. Continue the sealant 6" up each jamb.

Exterior Sealant Instructions



CAUTION: ***Use a high quality, multi-purpose exterior sealant such as Pella Window and Door Installation Sealant. Follow the directions on the cartridge.***

When ***applying siding, brick veneer, flashing, or other exterior finish materials, leave adequate space between the door frame and the material for sealant application of sealant.***

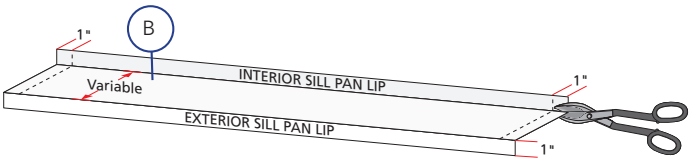
A. **Insert backer rod 3/8" deep** in the space around the door. Backer rod adds shape and controls the depth of the sealant line.

B. **Apply a continuous bead of sealant** to the entire perimeter of the door.

C. **Shape, tool and clean excess sealant.** When finished, the sealant should be the shape of an hourglass.

OPTIONAL SILL PAN INSTRUCTIONS

NOTICE The method of pan construction, flashing, and sealant application may vary depending on the design of the opening sill and exterior landing surface conditions. It is important to consider the exposure to weather, the exterior landing surface's proximity to the door sill, and to confirm impervious exterior surfaces properly slope away from the door.



A. **Cut the sill pan** to the width of the rough opening plus 2".

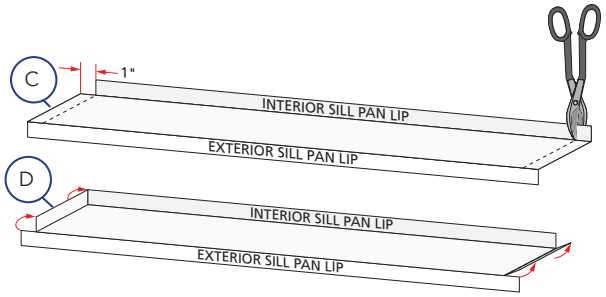
NOTE: ***The 2" added onto the rough opening width is for a 1" bend on each end.***

B. **Make a 1" cut** in each fold at both end of the sill pan.

NOTE: ***These cuts will allow the edges of the sill pan to be bent.***

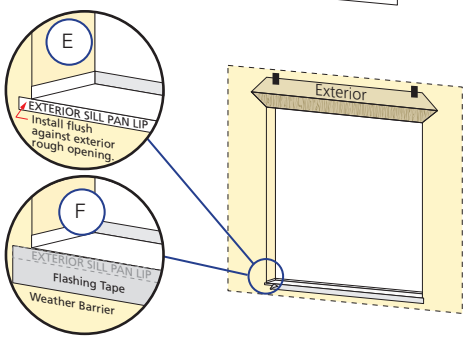
C. **Cut 1" off each end** of the interior sill pan lip.

D. **Bend each end** of the center panel up.



E. **Install the sill pan** by sliding into place until the exterior sill pan lip is flush with the exterior of the rough opening.

F. **Apply sill flashing tape.** Cut a piece of flashing tape 2" longer than the opening width. Apply at the bottom of the opening, covering the exterior sill pan lip as shown.



NOTE: ***If applicable, apply spray adhesive to building felt prior to applying the flashing tape.***

G. **Cut a piece of flashing tape** to the width of the opening. Install tape to the sill pan and overlap the flashing tape from step 1F by 1". If needed add a second or third piece of flashing tape until the sill pan is covered to the interior sill pan lip.

NOTE: ***The purpose of this tape is to seal the sill screws when installing the door.***

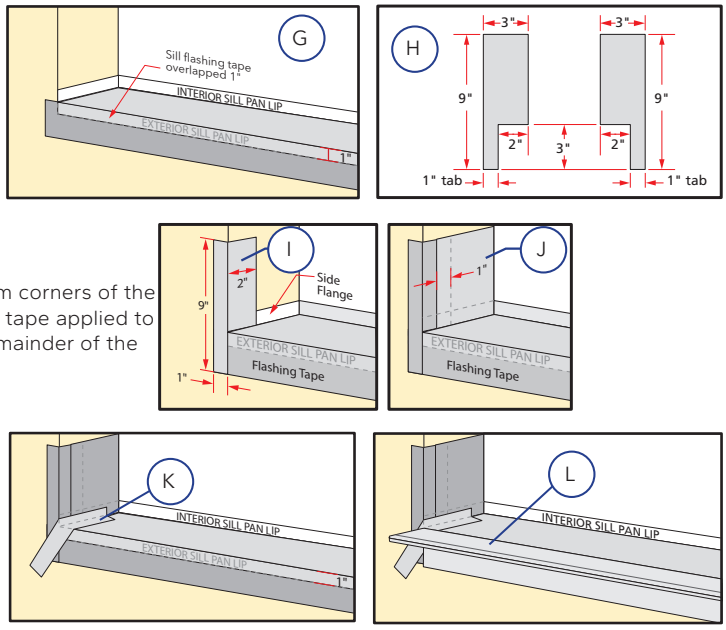
H. **Cut two 9" pieces of flashing tape** with a 1" x 3" tab at the bottom, on opposite corners as shown.

I. **Apply the tabbed 9" pieces of flashing tape.** The tape is applied so 2" will cover the inside of the rough opening and lap over the side flange of the sill pan. The 1" x 3" tab laps over the bottom flashing tape as shown.

J. **Cut two 6" pieces of flashing tape** and apply to each side of the rough opening, overlapping the first piece by 1" and lapping the bottom over the side flange of the sill pan as shown.

K. **Cut two pieces of flashing tape 1-1/2" x 6"** and apply to the bottom corners of the opening by beginning in the corner of the sill pan, with 3/4" of the tape applied to the sill pan and 3/4" of the tape applied to the side flange. The remainder of the tape is to be at a 45 degree angle onto the exterior.

L. **Attach the aluminum sill support** or wood blocking to the exterior of the box plate to support the edge of the door sill. Place the sill support flush with the subfloor.



Concrete Slab (without sill pan) Instructions

NOTE: ***Thoroughly clean the slab where sealants will be installed. Instead of installing flashing tape across the bottom of the rough opening, complete the following:***

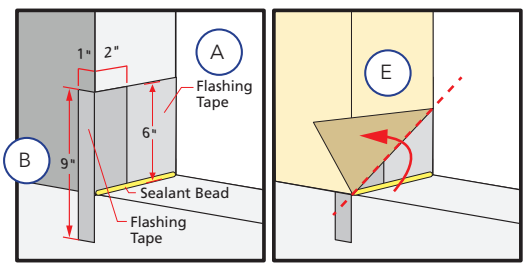
A. **Install flashing tape at the bottom** 6" of the rough opening jambs.

B. **Cut two 9" pieces** of flashing tape as shown in step 1H above.

C. **Install them overlapping** the flashing tape installed in step A by 1".

D. **Place a 3/8" bead of sealant** where the bottom edge of the flashing tape meets the concrete slab.

E. **When folding building wrap in at the jambs,** cut at a 30 degree angle as illustrated.



Follow the applicable installation method pages to complete the installation except seal the door sill directly to the slab.