JELD-WEN

Installation Instructions

for Premium™ Vinyl Multi-Slide Atlantic **Exterior** Pocketing Door Systems (V-4500) (JII-90004)

Thank you for selecting JELD-WEN products. Attached are JELD-WEN's recommended installation instructions for a Vinyl Multi-Slide Exterior Pocketing door. Read these instructions thoroughly before beginning. They are designed to work in most existing applications, however; conditions may require the use of alternative methods to these instructions. If changes are needed, they are made at the installer's risk. For installations other than indicated in these instructions, contact a building professional. JELD-WEN does not endorse the installation of our products into a barrier-type install system unless a sill pan is present, incorporated with through-wall flashing and can drain to the exterior (along with other "required" components). Failure to do so may result in the denial of any warranty claims. Areas such as Florida and the Texas TDI region have different anchoring requirements based on product certification. For information on specific products, visit www.floridabuilding.org or www.tdi.texas.gov and follow the anchoring schedule given in the drawings for the product instead of the anchoring schedule in this document.

⚠WARNING

Panels can be HEAVY! Larger panels may require additional tools or machinery for handling and installation. Minimum of 2-person lift!

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JELD-WEN does not endorse the installation of our products into a barrier-type install system unless a sill pan is present, incorporated with through-wall flashing and can drain to the exterior (along with other "required" components). Failure to do so may result in the denial of any warranty claims.

PLEASE NOTE: Installations, such that the sill is higher than 35 feet above ground level or into a wall condition not specifically addressed in these instructions, must be designed by an architect or structural engineer. Failure to properly finish or install square, level and plumb and on a flat surface (without peaks and valleys) could result in denial of warranty claims for operational or performance problems.

NOTE TO INSTALLER: Provide a copy of these instructions to the building owner. By installing this product, you acknowledge the terms and conditions of the limited warranty as part of the terms of the sale.

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NOTICE

JELD-WEN advises against product installation in high interior water exposure environments such as showers, steam rooms and enclosed pool areas. These areas are beyond the tested/certified design intent of the product and any related warranty claims could be denied on that basis.

Glossary

Astragal

The vertical trim attached to one of the panels of a sliding patio door that bridges the gap between the panels when closed and provides weather protection.

Backer Rod (backing material)

A material (e.g., foam rod) placed into a joint primarily to control the depth of the sealant.

Exterior Buck or Bump-Out Framing

Typically, a wood framework attached to the exterior face of the building. The framework should be structurally attached and sealed to the building. The door unit will be fastened to this framework.

Hook strip

Metal frame component that is positioned along the edge of the door opening to the exterior face of the building. This part serves to engage the last panel out of the pocket and form a weather seal.

Interlock

A weatherstrip component that runs vertically along the stiles of sliding patio door panels. When the door is closed, the interlocks engage, locking together, to create a weather barrier.

Liquid Applied Flashing or Membrane

A sealant-like material that is typically applied by brush or trowel to improve the water-resistance of a substrate.

Panel Bumper

A bumper, installed on the head track, that acts as a panel stop.

Panel Catch

A square stop, installed on the face of the panel, that acts as a catch when operating a multi-panel system.

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Recessed Opening or Pocket
A recessed wall detail that forms a cavity, or pocket, on the exterior of the building. Generally, the finished exterior cladding (e.g., stucco) of the building forms the back wall of the pocket.

Self-Adhered Flashing (SAF)
An adhered-backed tape material, generally not requiring mechanical fasteners, used to waterproof the rough opening and/or used to seal a patio door to the building's weather barrier.

Shiplap
The layering method in which each layer overlaps the layer below it so that water runs down and to the outside.

Step-down Landing
The interior floor surface is higher than the exterior surface.

Weep Hole (weep channel)
The visible exit or entry part of a water drainage system used to drain water out of a door.

SAFETY AND HANDLING

Safety

- Read and fully understand **ALL** manufacturer's instructions before beginning. Failure to follow proper installation instructions may result in the denial of warranty claims for operational or performance problems.
- **DO NOT** work alone. **Two or more people are required.** Use safe lifting techniques.
- Use caution when handling glass. Broken or cracked glass can cause serious injury.
- Wear protective gear (e.g., safety glasses, gloves, ear protection, etc.).
- Operate hand/power tools safely and follow the manufacturer's operating instructions.
- Use caution when working at elevated heights.
- If disturbing existing paint, take proper precautions if lead paint is suspected (commonly used before 1979). Your regional EPA (www.epa.gov/lead) or Consumer Product Safety Commission offices provide information regarding regulations and lead protection.

⚠WARNING

Panels can be HEAVY! Larger panels may require additional tools or machinery for handling and installation. Minimum of 2-person lift!

⚠WARNING

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

Materials and Patio Door Handling

- Heed material manufacturer's handling and application instructions.
- Handle in a vertical position; **DO NOT** carry flat or drag on the floor.
- Once assembled, **DO NOT** put stress on joints, corners or frames.
- Store frames and panels in a vertical, leaning position to allow air circulation; **DO NOT** stack horizontally.
- Ensure the storage area is dry, well-ventilated and protected from exposure to direct sunlight.
- Only install into vertical walls when conditions and sheathing are dry.
- Leave packaging material on the panels until the time of installation. The label on the packaging indicates the panel positioning within the frame.

IF INJURY OCCURS, IMMEDIATELY SEEK MEDICAL ATTENTION!

MATERIALS AND TOOLS

JELD-WEN exterior window and door products should be installed in accordance with JELD-WEN's recommended installation and flashing directions, which are shipped with the products or can be found on our website: www.jeld-wen.com. **NOTE:** When using flashing, spray adhesive/primer, sealant and foam products, we recommend using the same Manufacturer and verifying compatibility. It is the End User's responsibility to determine if dissimilar materials are compatible with the substrates in the application.

Supplied Fasteners

- #8 x 3" flat-head screws (for frame corners, included only with single pocket door frames).
- #8 x 3/4" flat-head screws (2 per panel catch).

Installation Fasteners

Refer to the **"Product Approval Document"** for proper type and amount of fasteners.

- Type of fastener will depend upon the type of substrate.
- Number of fasteners will depend upon the door configuration.

NOTE: If the Product Approval Document does not pertain to your region, please follow the fastening requirements below:

- #8 pan-head, corrosion-resistant screw (for frame installation and head panel blocks). Minimum of 1 1/2" embedment into the structural framing (or as required by local code) for both through frame and through nail fin fastening locations.
- #8 x 1 3/4" flat-head screws (2 per pocket bumper).
- Fasteners should be placed at each pre-drilled hole in the frame and every other hole in the nail fin.
- Fasteners should be placed 4" from each corner.

General Building Materials

- Non-compressible, non-water degradable shims.
- Sill Pan: A pan flashing system (as defined in **ASTM E2112**) is **required** at the sill prior to window/door product installation. A sill pan should have a positive slope, **must be** installed onto the sill of the R.O. in a weather-tight manner and tied into the drainage plane of the building envelope. For sill pans without a positive slope, place a 3/16"-1/4" tall plastic shim 2" from each corner and no more than 8" on-center in between (excludes Canada and potentially large door systems). If an aftermarket sill pan is preferred, then we suggest the Manufacturer's instructions be followed.
- Sealant: An exterior grade (**High-Performing, Low VOC**) sealant is recommended for installation practices. Check with sealant manufacturer for color-match options and paintability.
- Backer Rod: 1/8" larger than the widest portion of the gap (used in conjunction with sealant bead).
- Polyurethane Low-Expansion Window and Door Foam: A low-expansion, polyurethane window and door foam is recommended for installation practices. Avoid using moderate to high-expansion foam products as operational issues or damage may occur.
- **If required by code,** drip cap material that extends the length of the frame. **NOTE:** JELD-WEN recommends the use of such regardless, based on a best-build practice.

Needed Tools

- Tape Measure
- Drill and Bits
- Utility Knife
- Hammer Drill (for concrete slabs)
- 6-8' Level
- Pencil
- Tape
- J-Roller
- Cutting Shears
- Caulking Gun
- 6" Putty Knife
- 1' Torpedo Level
- Impact Driver

INSPECT ROUGH OPENING (R.O.)

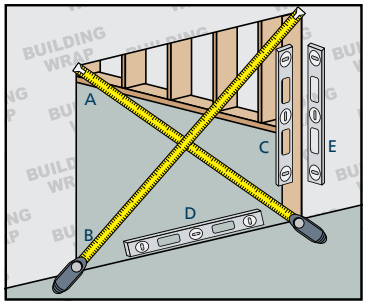
Weatherproofing of the rough opening, along with the flashing and proper integration of the fenestration product with the water-resistive barrier, is the responsibility of the installer. JELD-WEN recommends strict adherence to the current version of ASTM E2112.

⚠CAUTION

The use of a sill pan and other barriers will decrease the rough opening height clearance. Adjust the opening dimensions accordingly.

- Verify the rough opening is 1/2" larger in width and height than the main door frame.
- Verify the rough opening is square. The (A) and (B) measurements should be the same. Suggested deviation from square is no more than 1/8" for doors less than 20 square feet and 1/4" for doors over 20 square feet.

Verify Square, Level and Plumb



- Verify the rough opening is plumb and level (E and D). Suggested deviation from square is no more than 1/4".
- The rough opening sill must not be crowned or sagged (D), but rather level or sloped (positive slope) to the exterior.
- The exterior face of the rough opening must be in a single plane (E) with less than 1/8" twist from corner to corner.
- Minimum double studs (king and jack/trimmer) should be used to support the header at all rough openings.

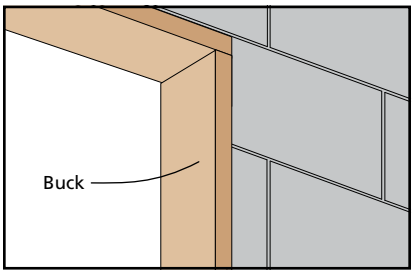
For Retrofit Installations

Verify the rough opening framing is structurally sound. Contact your local waste management entities for proper disposal or recycling of products being removed.

This installation guide specifically addresses masonry/block wall, sheathed wall, open-stud and exterior foam insulation construction.

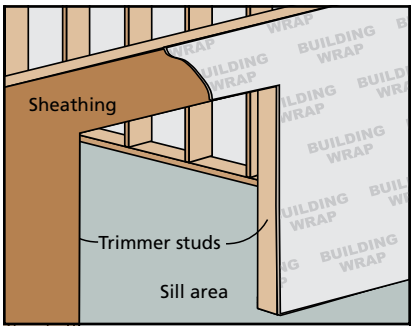
Masonry/Block Wall Construction

This installation assumes that the framework of the studs (often called a buck) has already been properly fastened to the concrete/masonry wall in a weatherproof manner. The patio door will be mounted into the buck in a weatherproof manner.



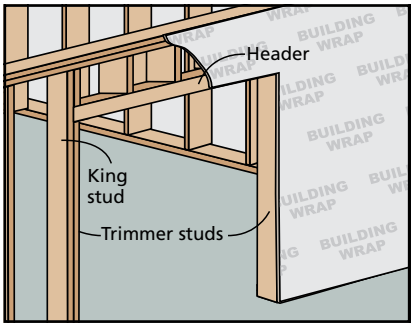
Fully Sheathed Wall Construction

The rough opening (R.O.) has been integrated with the sheathing/building wrap in a weatherproof manner (e.g., flashing) to prevent air and water infiltration. The door/window product will be mounted into the R.O. in a weatherproof manner.



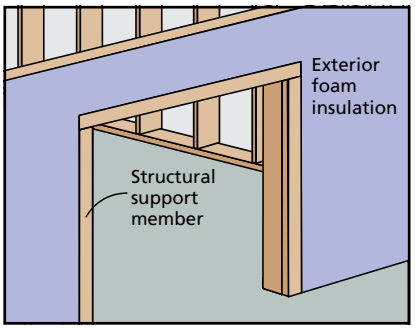
Open-Stud Construction

The rough opening (R.O.) has been integrated with the building wrap in a weatherproof manner (e.g., flashing) to prevent air and water infiltration. The door/window product will be mounted into the R.O. in a weatherproof manner.



Exterior Foam Insulation Construction

Exterior Foam insulation is applied to the exterior of the wall framing. The patio door will be mounted to a structural support member on the same plane as the exterior foam insulation in a weatherproof manner (reference the latest version of **FMA/AAMA/WDMA 500** for additional installation and framing details).



FINISHED OPENINGS

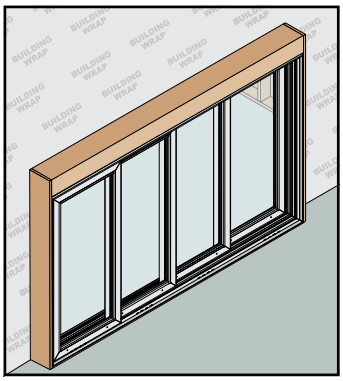
This installation guide specifically addresses Bump-Out (Exterior Buck) and Recessed Opening (Pocket) wall details. Both door configurations (single pocket or double pocket) can be installed into either type of opening.

Bump-Out (External Buck)

This installation assumes an external framework is weather-tight and properly secured to the exterior face of the building. Generally, 1 1/2" fastener embedment into the framework must be achieved.

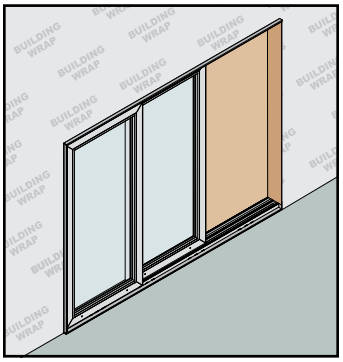
Refer to local code or Product Approval Document for fastener requirements.

If Exterior Foam Insulation is applied to the exterior wall framing, reference the latest version of **FMA/AAMA/WDMA 500** for additional installation and framing details.



Recessed Cavity (Pocket)

This installation assumes a recessed cavity has been built into the exterior wall and the opening is weather-tight.



1 REMOVE PACKAGING AND INSPECT DOOR

Remove Packaging

NOTE: Locate and review individual packaging labels on door panels prior to removal of any packaging material.

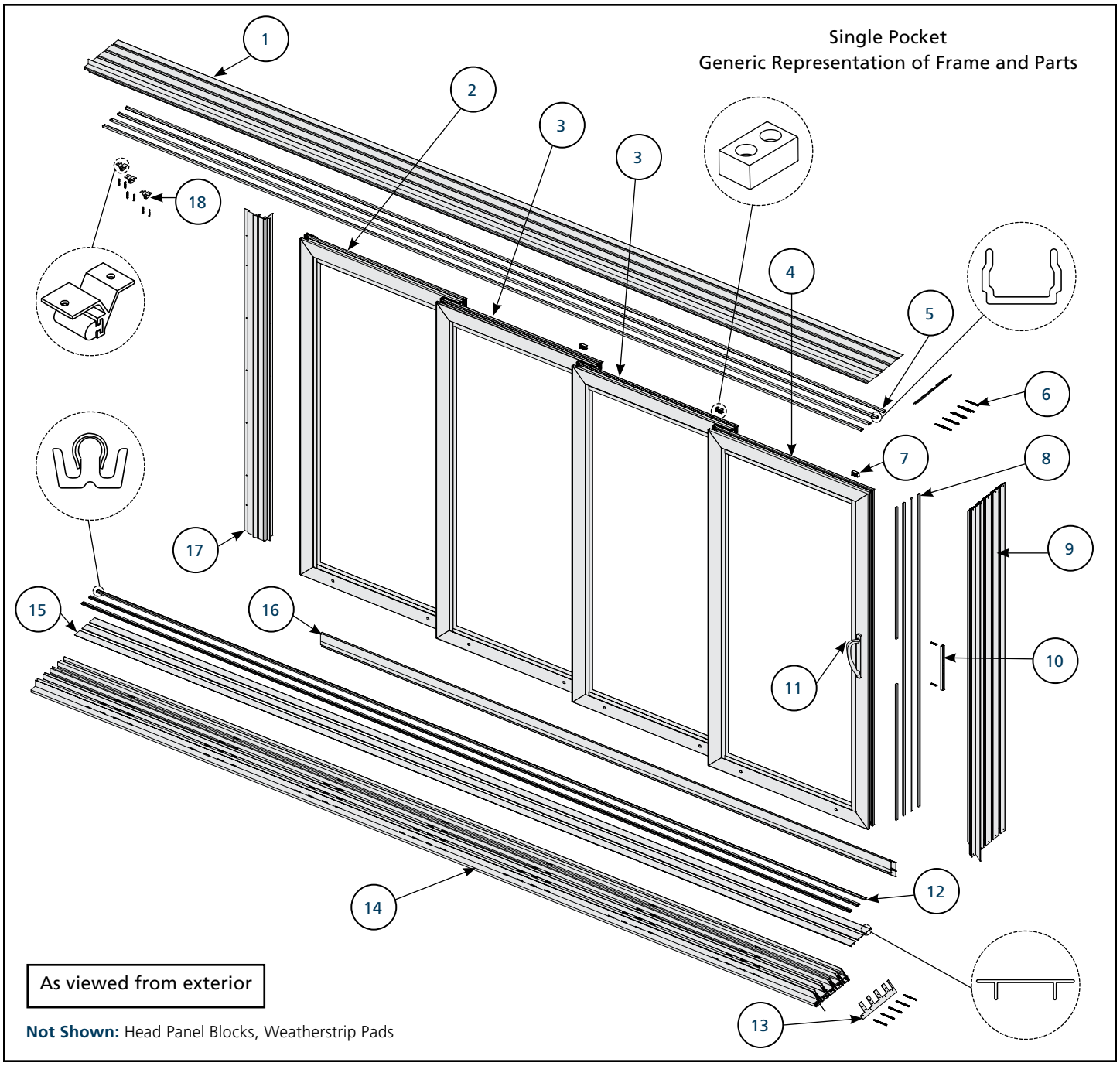
- **DO NOT REMOVE** – Cardboard or packaging labels from the door panels. Labels define the overall configuration and location of each door panel within the frame.
- Remove shipping material such as cardboard and plastic wrap from the frame.
- If there is a protective film on the glass, **DO NOT** remove until installation and/or construction is complete.

Inspect Door

- Cosmetic damage and/or shipping damage.
- Correct product (size, color, grid pattern, handing, glazing, energy-efficiency requirements, etc.).
- Manufacturing abnormalities (e.g., warp, bow, squareness).
- Splits, cracks, holes, missing sections or other damage to the nailing fin longer than 6" and/or within 1/2" main door frame.
- If any of the above conditions represent a concern, or if you expect environmental conditions to exceed the product's performance rating, **DO NOT** install the product. Contact your dealer or distributor for recommendations.

1 REMOVE PACKAGING AND INSPECT DOOR (CONTINUED)

NOTE: Prior to beginning, identify and stage all frame parts on a clean, flat surface. Clean debris, dirt and/or moisture from all corner surfaces.

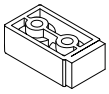
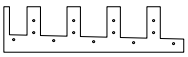
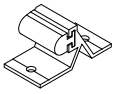


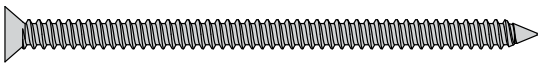
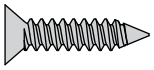
Item	Description
1	Frame Head Jamb
2	Panel – Trailing
3	Panel – Intermediate
4	Panel – Primary
5	Head Screw Cover
6	Corner Screws, #8 x 3" PFH

Item	Description
7	Panel Catch
8	Jamb Screw Cover
9	Frame Side Jamb
10	Lock Keeper
11	Handle Set
12	Roller Track

Item	Description
13	Corner Gasket
14	Frame Sill
15	Track Filler
16	Sill Riser
17	Hook Strip
18	Panel Bumper

2 PROVIDED COMPONENTS

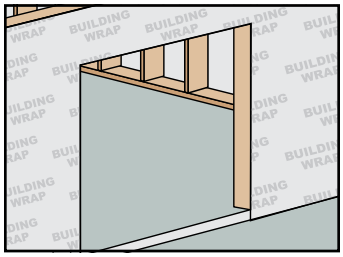
Part	Description
	**Head Jamb**
	**Sill**
	**Side Jamb**
	**Head Screw Cover or Tower Screw Cover**
	**Jamb Screw Cover**
	**Panel Catch**
	**Hook Strip**
	**Handle Set**
	Lock Keeper
	**Corner Gasket (Varies by Configuration)**
	**Track Filler**
	**Roller Track**
	**Sill Riser**
	**Panel Bumper**

QTY	Supplied Fasteners
Frame Corner (Quantity Will Vary)	**#8 x 3" Flat-Head** 
2 per Panel Catch	**#8 x 3/4" Flat-Head** 

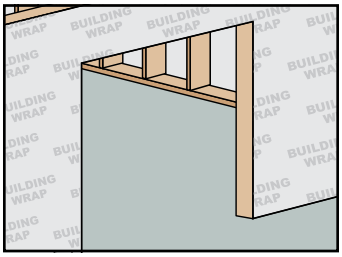
3 INSTALL SILL PAN

Landings

These instructions cover two sill conditions: the **step-down landing** and the **continuous slab landing**. The installation methods vary slightly between landing types.



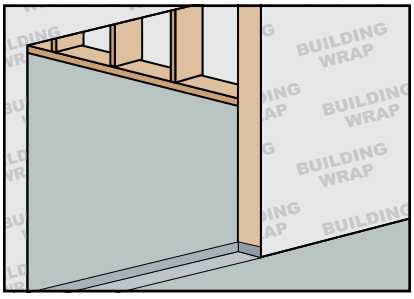
Step-Down Landing



Continuous Slab Landing

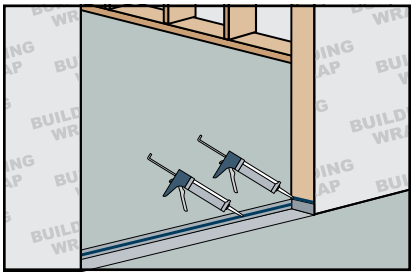
Prepare Sill

1. A pan flashing system (as defined in **ASTM E2112**) is **required** at the sill prior to window/door product installation. Always allow water to drain out of the pan and onto the building wrap, drainage plane or to the exterior.



NOTE: Sill pans for step-down landings will have a folded-down edge in the front to accept the step-down landing.

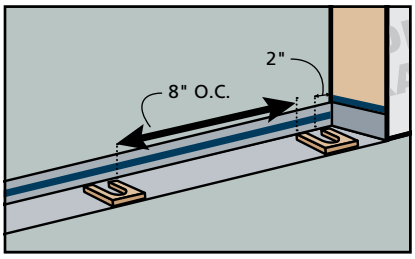
2. Apply a continuous bead of sealant to the interior upturned leg and end dams of the sill pan (if using a rigid sill pan).



Shim the Sill

See **Product Installation Tolerance Table** for tolerances

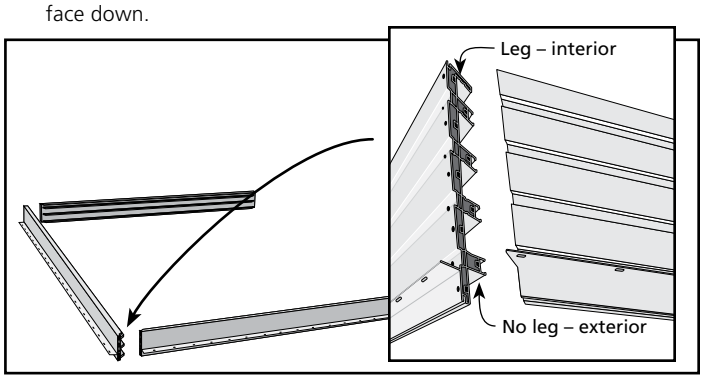
1. Unless installing into a sill pan with a positive sloped draining system, shims should be aligned as defined by the label on the door or as stated below:



- Shims (1/4" maximum) in height.
- Place one shim 2" from each side of the rough opening.
- Shims should be no more than 8" on-center.
- There should always be a drainage path to the exterior out of the sill pan.
- Shims can be held in place with sealant.
- Increased shim height may be needed or may interfere with bar/grill alignment of adjacent windows/doors.

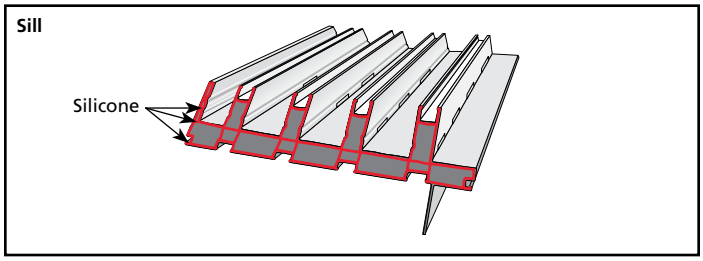
4 ASSEMBLE SINGLE POCKET FRAME

1. Stage all frame parts on a clean flat surface with the exterior surface face down.

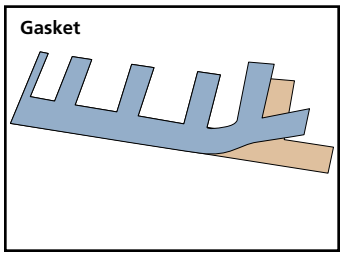


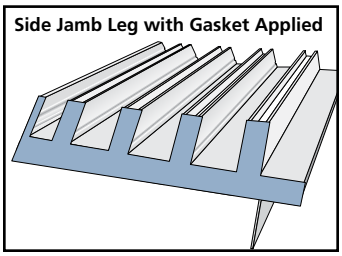
NOTE: Remove the aluminum roller track(s) if installed into the sill (see page 6 for part description). Aluminum roller track(s) can be removed by sliding them out of the end of the sill.

2. Apply silicone to the walls of the **sill** (only to the end that will attach to the side jamb).

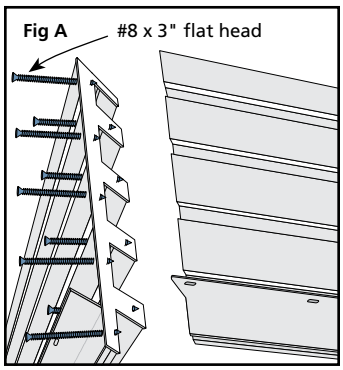


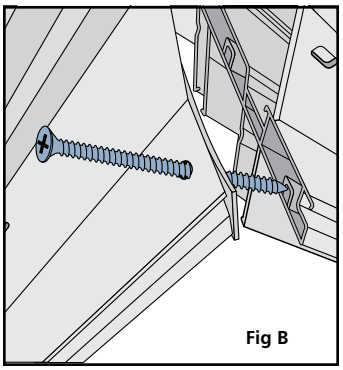
3. Peel the backing off of the gasket and apply to the side jamb leg.



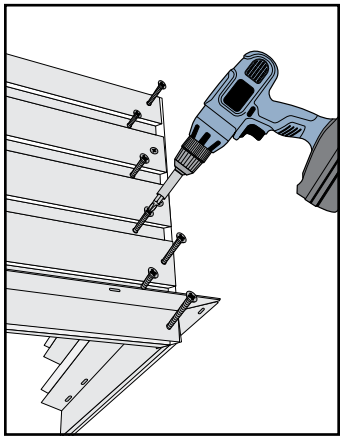


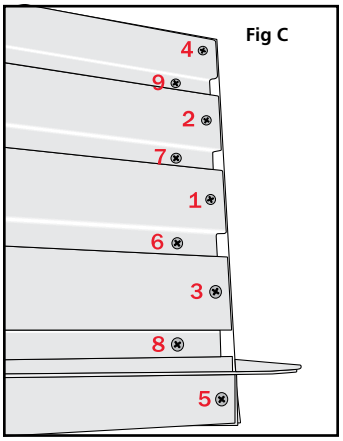
4. Seat #8 x 3" stainless-steel, flat-head screws in frame side jamb until screw tips are approximately 1/16" through the gasket. **Fig A**
5. Align door frame side jamb to the sill. Ensure screws seat into screw bosses on the sill. **Fig B**





6. First, tighten the outer row of screws until snug. Next, tighten the inner row of screws until snug. Refer to **Fig C** for suggested order screws are to be installed.
7. Ensure each screw is tightened equally and the gasket is compressed to a hairline thickness.
8. Repeat for the remaining corner.
9. Remove any sealant squeeze out from the frame corners.





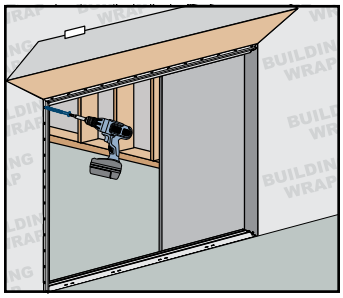
5 INSTALL FRAME

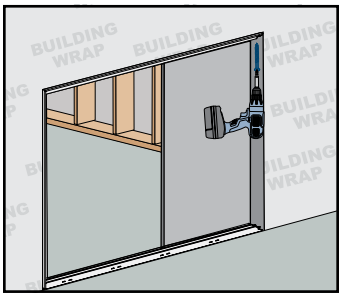
Setting the Frame – Single Pocket

⚠WARNING

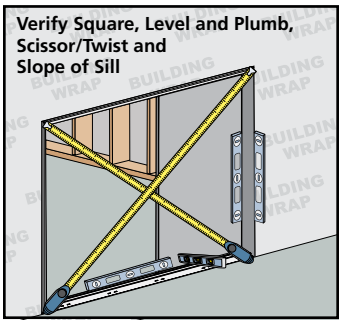
To avoid damage to the frame corners at least 3-people are required to properly support the door frame during placement into the opening (two for the head and one for the sill).

1. For products that have a nail fin, run a continuous bead of sealant around the interior side of the nail fin on the side and head. If the **bottom** nail fin will remain on the frame, run a discontinuous bead of sealant on the interior side of the nail fin (e.g., a 2" gap every 12").
2. With the proper 1/4" spacing within the rough opening, position the frame, so that the back makes solid contact with the sealant in the sill pan or bump-out. For products that have a nail fin, ensure the back of the nail fin makes even contact with the bump-out framing.





3. Initially, support the "open" end of the head track by partially driving a fastener through one of the pre-drilled holes in the frame.
4. Level the door frame sill within the opening (shim where needed). **NOTE:** Reference the **Product Installation Tolerance Table** for installation/alignment.



Product Installation Tolerance Table Products must be installed in a manner that **Does Not** exceed the tolerance below.	
Plumb	+/- 1/8"
Level	+/- 1/8"
Twist	+/- 1/8"
Square	+/- 1/8" product sized up to 20 sq. ft. +/- 1/4" product sized over 20 sq. ft.

Setting the Frame – Double Pocket

⚠WARNING

To avoid injury, use at least 2-people to install. Support the door frame head track until adequately fastened.

1. Center the door frame head track in the opening (typically, there will be a 1/4" gap between the ends of the door frame and the sides of the opening). For products that have a nail fin, run a 3/8" bead of sealant the full length of the nail fin.
2. Initially, support the head track into the opening by partially driving a fastener at each end of the head track. **NOTE:** An additional fastener should be placed in the middle of larger spanning head tracks.
3. Position the door sill track in front of the opening. Center and then align the ends of the sill track directly below the ends of the head track.
4. Install the door frame "sill track" into the finished opening. Make sure the back of the track makes solid contact with sealant in the sill pan or back wall of the dap out. For products with a nail fin, make sure the back of the nail fin has even contact with the bump-out framing.
5. Level the sill track within the opening (shim as needed). **NOTE:** Reference the **Product Installation Tolerance Table** for installation/alignment.

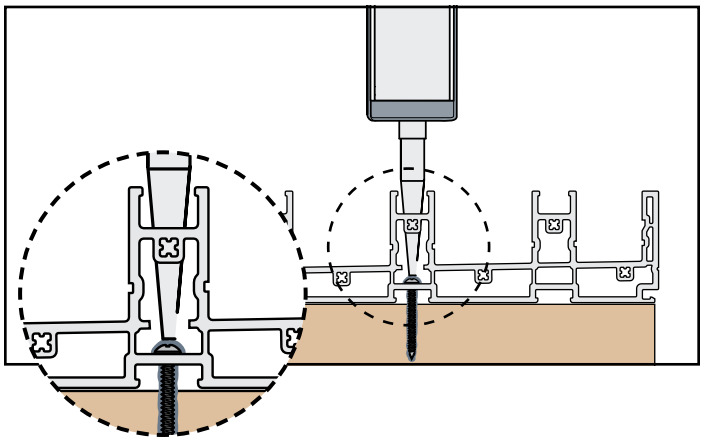
5 INSTALL FRAME (CONTINUED)

Fastening Frame

⚠CAUTION

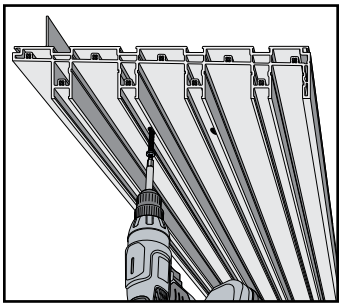
Fasteners through the sill will breach the sill pan flashing. Following the sealant application steps outlined below is imperative.

1. After re-verifying the sill is level, apply screws through each pre-drilled hole in the sill of the door frame. **Make sure to apply silicone to the threads of the screws prior to install and to apply silicone over the head of the screws once fully seated. Refer to the Product Approval Document for type, size and spacing of fastener.**

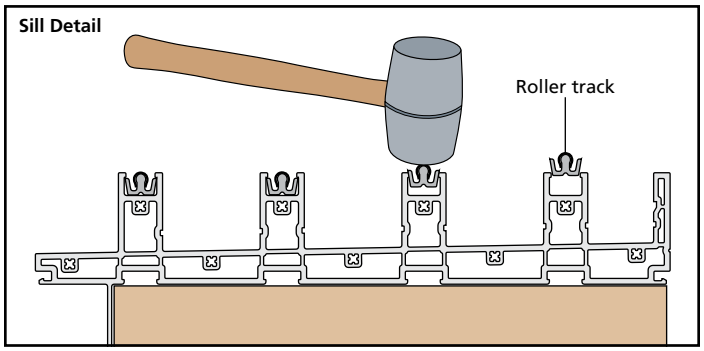


2. Secure the head of the door frame.
   - **For Box Frame/Non-Nail fin product** place a screw through one of the pre-drilled holes in the head track. Use shims as needed for spacing and to prevent frame deflection/rotation.
   - **For Nail Fin product** place a screw through the nail fin at 4" from the corner. Place an additional screw through the pre-drilled hole in the frame track approximately 5" from the corner. Use shims as needed to prevent frame deflection/rotation. **Refer to the Product Approval Document for type, size and spacing of fastener.**

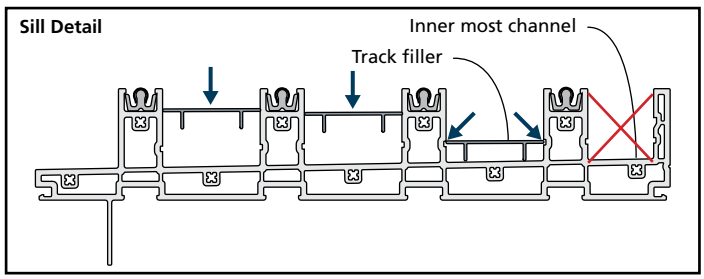
3. Continue to fasten the head of the door frame by placing fasteners/shims in each pre-drilled hole in the head track. **At each new fastener location, double-check that the head track is level and take periodic measurements between the head and sill track to ensure equal spacing is maintained.**



4. For Single Pocket units, continue to fasten along the side jamb of the door frame by placing fasteners in each pre-drilled hole. Place shims between the door frame and opening side wall as needed.
5. Apply aluminum roller tracks into the sill with the use of a soft mallet. Ensure not to damage the stainless-steel ridge cap.



6. Install the vinyl track fillers in the channels between the roller tracks. Ensure the fillers snap evenly into place. **NOTE:** A filler will not be installed into the inner-most channel.



Fasten Through Nail Fin (if applicable):

- For nail fin products, fasteners are required through the nail fin and frame at 4" from the corners and 8"on-center between, unless otherwise specified by the **Product Approval Document**.
- Along the **head** and **sill,** place the appropriate type of fastener (based on the substrate) at the correct spacing. **Refer to the Product Approval Document.**
- Along each side, place the appropriate type of fastener (based on the substrate) at the correct spacing. **Refer to the Product Approval Document.**

5 INSTALL FRAME (CONTINUED)

Sealing of the Door Frame

For Box frame/non-nail fin doors, the frame will be sealed to the finished opening with the use of backer rod and sealant.

1. Surfaces should be dry and cleaned of debris and dust.
2. Apply backer rod between the door frame and the finished opening. The backer rod should be pushed in far enough to create a joint depth that is 1/2 deep as wide (e.g., 1/4" deep x 1/2" wide).
3. Depending on the door frame configuration, backer rod should be applied along the side jamb of the door frame and/or head jamb of the door frame.
4. A continuous sealant bead (recommended sealant should be color-matched to the exterior of the building) should be applied atop of the backer rod. **NOTE:** The sealant bead should be tooled until smooth and even. Texture can be added for aesthetic appeal.

For Nail fin door frames, it is assumed the nail fin will be covered by some form of decorative trim (e.g., trim board).

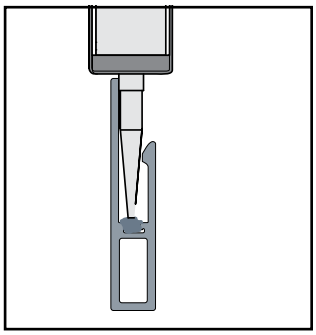
5. If the exterior cladding has been cut back to install the door, then self-adhered flashing should be applied over the nail fin to integrate the fin with the weather-resistive barrier of the building.
   NOTE: The flashing should be applied in a shiplap manner.
6. If the exterior cladding has not been cut back then an additional layer of liquid-applied membrane, or sealant, can be applied on top of the nail fin (Leave voids along the bottom nailing fin that align with the gaps in the previously applied sealant bead).

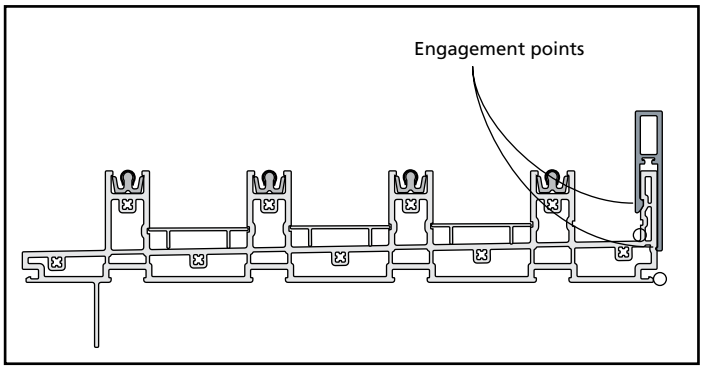
Installation of Sill Riser

NOTICE

The sill riser is required on some door units to reach a higher Performance Grade and to resist water. Failure to install the sill riser may compromise the ability of the door unit to perform as designed.

1. Apply silicone to the underside of the sill riser. Sealant should be applied continuously from end to end.
2. Position the sill riser atop the inner-most wall of the sill.
3. Apply sill riser onto the sill with a mallet. Ensure the sill riser is fully locked onto the sill from end to end.



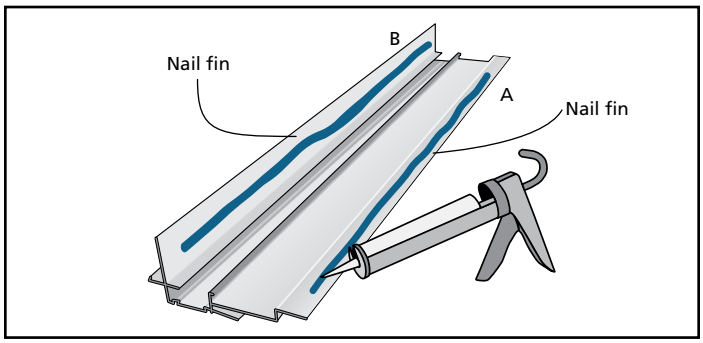


Installation of Hook Strip

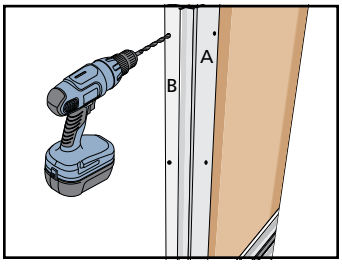
NOTICE

The hook strip serves to engage and form a weather seal with the last panel out of the pocket. Sealant must be applied to the back side of each nail fin of the hook strip. Additionally, fasteners should be placed through both the interior and exterior nail fins.

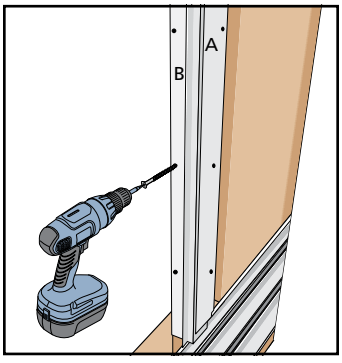
1. Dry-fit the hook strip(s) to ensure a proper fit between the interior-most wall of the sill or sill riser and the underside of the head track (the hook strip should fit snug between the underside of the head track and the top of the sill or sill riser).
2. Remove and apply a continuous 3/8" bead of sealant on the back side of the hook strip – surfaces A and B.



3. Apply sealant to the top edge of the sill or sill riser that will contact the hook strip.
4. Install the hook strip making sure the sealant makes adequate contact with the wall surfaces.
5. Pre-drill the fastener locations on both surfaces (A and B) of the hook strip (hook strip may come pre-drilled). Use a 3/16" – 1/4" drill bit depending on the size of fastener required to generate holes in hook strip. Fastener spacing should be **6" from each end and no more than 12" on center in between.**

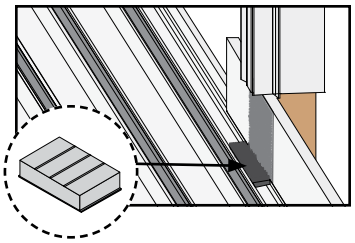


6. Ensure the hook strip is plumb and secured with the appropriate type of fastener (based on the substrate). **Refer to Product Approval Document.** (Double-check that hook strip is plumb within the opening).
7. Repeat at the opposite end of the opening for a double pocket unit.



5 INSTALL FRAME (CONTINUED)

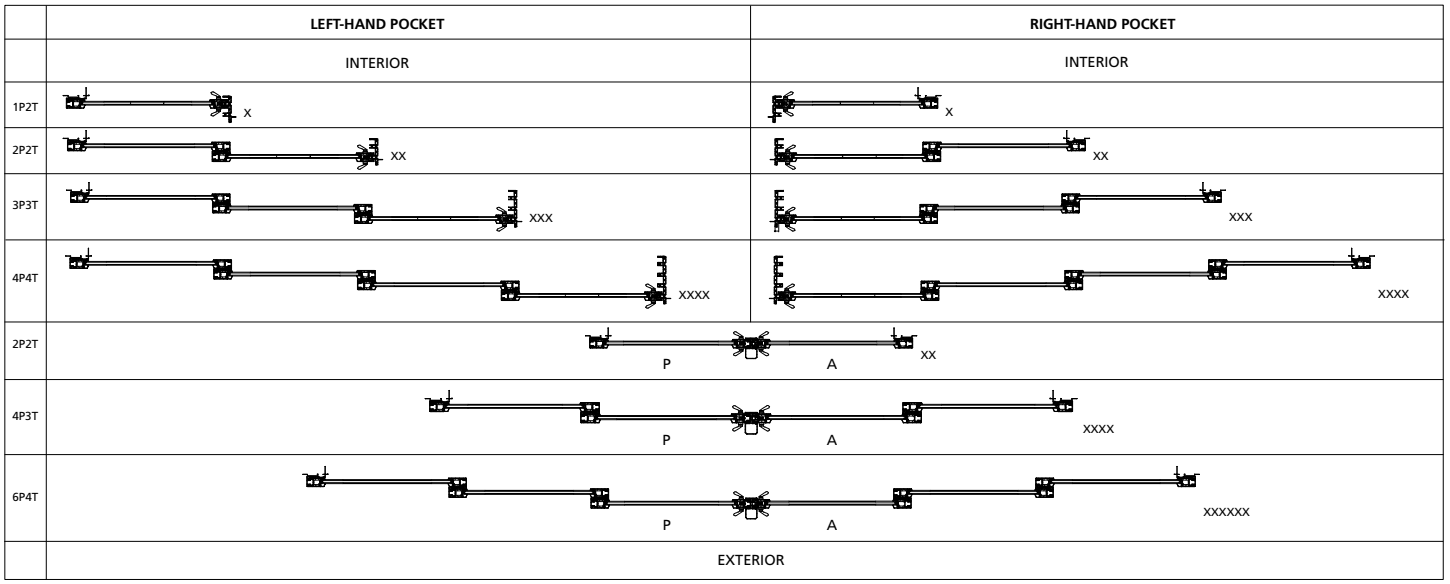
8. Apply the 5/16" weatherstrip pads below the hook strip in a vertical manner. Run the weatherstrip pad from the bottom edge of the hook strip to the horizontal wall/ bottom of the sill track. **NOTE:** The weatherstrip pad should be at least 1 1/4" wide.



9. Apply the 1" weatherstrip pad to the sill horizontally, adjacent to the 5/16" weatherstrip pad (Combination of both weatherstripping pieces will form an "L" shape).
10. Repeat the steps above for the head track.
11. Make sure the hook strip, panel and sill are all integrated in a weather-tight manner.

6 PANEL INSTALLATION

Pocket Configurations



A – Active Panel

P – Passive Panel (Astragal attached to the edge of the panel)

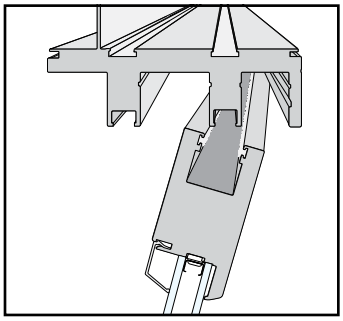
General Notes

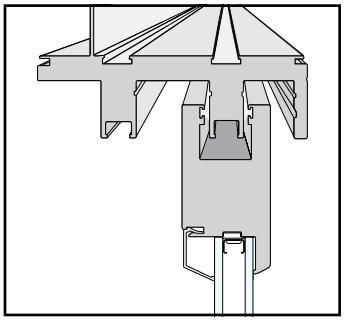
- There are multiple configurations for a multi-slide unit. Please refer to the table above to familiarize yourself with the system you may have. **NOTE:** Labeling on the panel packaging material should indicate the panel location within the configuration.
- All panels are to be installed with the roller adjustment holes to the exterior.
- All panels will be installed from the exterior.
- The panel(s) that ride on the interior-most track need to be installed first.
- Panels should be installed, so they overlap by 50%. This ensures the interlocks will be positioned correctly and allow for proper engagement during normal operation.
- Head panel blocks are required to be attached to the head of the door frame for units rated PG35 and higher (refer to **"Install of Head Panel Blocks"** section for more detail).
- Panels with a handle set will be installed into the exterior-most tracks.

6 PANEL INSTALLATION (CONTINUED)

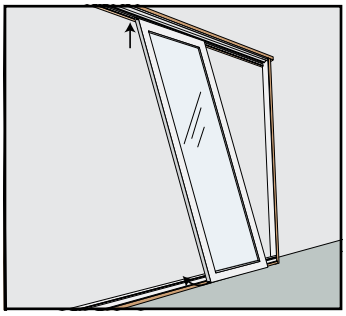
Install Initial Panel (All Configurations)

1. Locate the panel(s) that will ride on the interior-most track.
   NOTE: Be cautious not to damage the rollers during handling and installation.
   - Working from the exterior, position the panel in front of the door frame.
   - Position the panel so that it overlaps the hook strip(s) by 50% (needed for proper interlock engagement).
2. Lean the door panel head inward so it aligns with the interior-most track of the door head jamb.

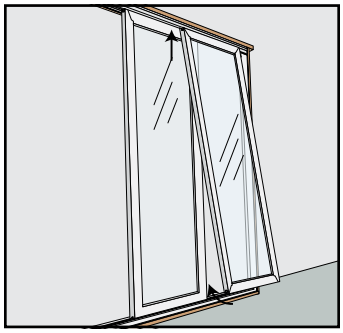


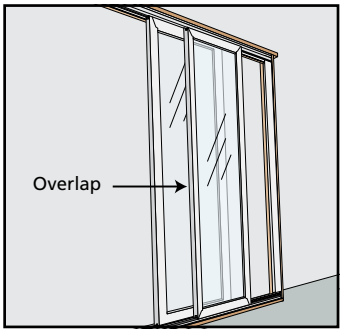


3. Lift the panel to engage the interior-most head track then swing the door panel bottom inward to align with the interior-most roller track.
4. Lower the panel down onto the roller track. Ensure the rollers are centered on the track.
5. Position the panel within the frame, so that it fully engages the hook strip.



6. Roll the initial panel back and forth within the frame to check for any rubbing issues and alignment of head panel blocks (if applicable). Adjust as needed before the installation of next panel(s).
7. Identify the next panel to be installed. Position the panel in front of the door frame, so that it overlaps the previously installed panel by 50%. (This is done to ensure proper alignment of panel interlocks).
8. Tilt the head of the door panel inward until it aligns with the track in front of the previously installed panel.





9. Lift the panel up to engage the head track. Then swing the door panel bottom inward to align with the corresponding roller track.
10. Lower the panel down onto the roller track. Ensure the rollers are centered on the track.
11. Slide the panel to the position within the door frame where it would be if the door was closed and locked.
12. If head panel blocks are included, make a mark on the frame head jamb next to the edge(s) of the panel (suggest using a pencil or tape). Roll panel out of the way. Refer to **Sub Section - Head Panel Blocks - Astragal.**
13. Align the end of the block with the line on the head jamb. Pre-drill holes for fasteners.
14. Secure block to head jamb with two appropriate type fasteners (based on the substrate). **Refer to the Product Approval Document.** Ensure to shim above the door frame at each panel block location to avoid frame rotation.

NOTE: All panels, other than panels that contact the hook strip(s), will need a total of 2 head panel blocks – one above each corner. (PG60, 4' 0" x 10' 0", panels will need a third block centered along the head of the panel).

15. Roll panel back into position and double-check panel head block for proper alignment and/or rubbing issues and ensure all panels interlock correctly. Adjust as needed before installing the next panel.
16. Apply weatherstrip pads to the head and sill tracks where the panels overlap. Refer to **Sub Section - Weatherstrip Pad Installation.**
17. Repeat the steps above for the remaining panels.

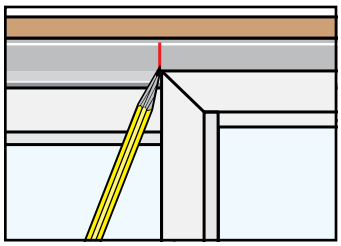
Sub-Section – Install of Head Panel Blocks

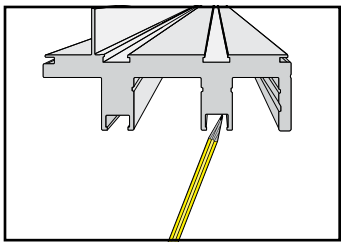
Head panel blocks are considered a structural component and are included with most door configurations (all doors rated PG35 and above). Additionally, 4' wide x 10' sized panels/PG60 doors will require one additional head panel block centered above each panel. If your door did not come with these parts, proceed to the following "Weatherstrip pad" Sub-Section.

NOTICE

Positioning of the head panel blocks can vary depending on door configuration. The immediate steps below address "most configurations". However, if you have a door unit with an astragal, additional steps are required.

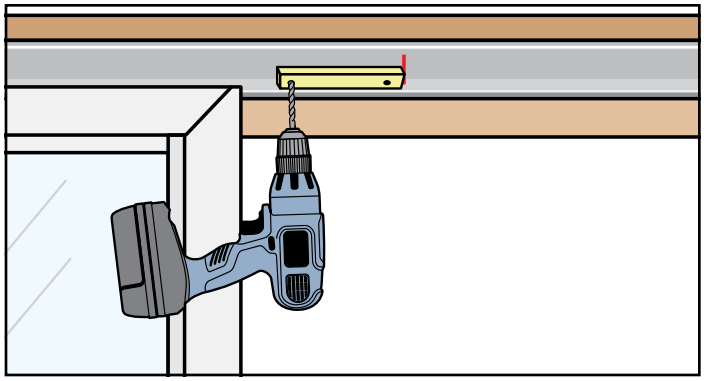
1. Remove vinyl track screw cover(s) from the frame head jamb if present.
2. Make a mark on the frame head jamb next to the edge of the panel (suggest the use of a pencil or a piece of tape). Do this next to the panel edge that does not engage the hook strip.





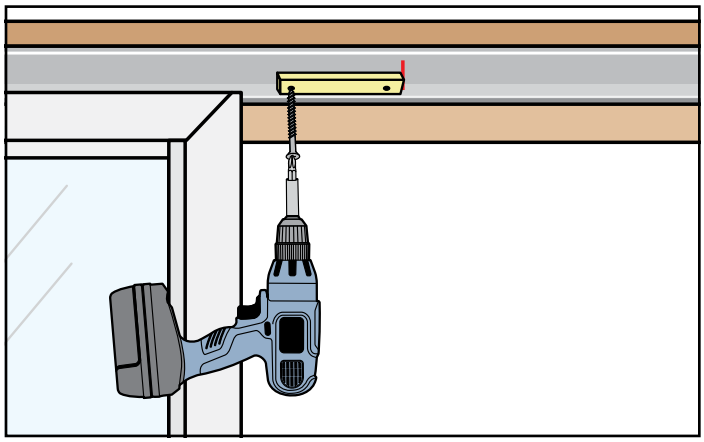
6 PANEL INSTALLATION (CONTINUED)

3. Roll the panel out of the way to gain access to the frame head jamb.
4. Position the panel head block against the alignment mark on the frame head jamb. Pre-drill through each screw hole in the block.
   NOTE: Block should be positioned so when the panel is in the closed and locked position, the block should be slightly hidden and/or flush with the edge.



5. Attach the panel head block with two of the appropriate type of fasteners (based on the substrate). **Refer to the Product Approval Document.**

NOTE: Ensure to shim above the door frame at each panel block location to avoid frame distortion.

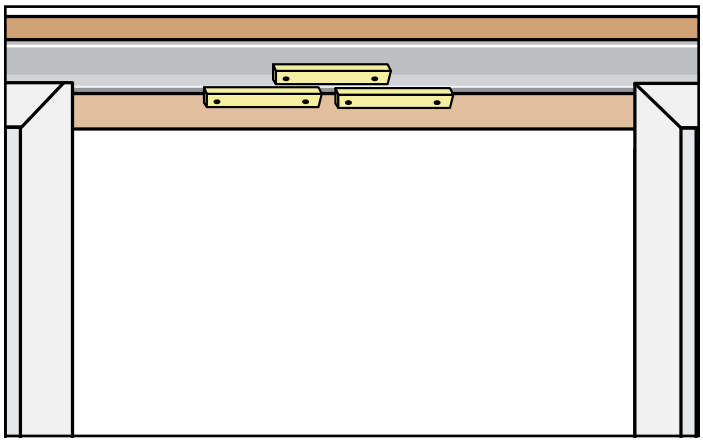


NOTICE

For door configurations with larger 4' wide x 10' tall panels, rated PG60, an additional head block is needed. This block should be centered above the panel (when in the closed and locked position).

Sub-Section - Head Panel Block – Astragal

1. A total of three head panel blocks are needed to support the astragal.
   - Position 2 head panel blocks end-to-end on the frame head jamb, directly above the edge of the active and the inactive (door panel with the astragal attached) door panels when in the closed and locked position.
   - Apply and center 1 block in the track to the exterior of the two previously installed head panel blocks. This block should be centered and support the exterior nose of the astragal.



2. Pre-drill through each hole in the head blocks. Attach each head panel block with the appropriate fastener (based on the substrate). **Refer to Product Approval Document.**
   NOTE: Ensure to shim above the door frame at each panel block location to avoid frame distortion.

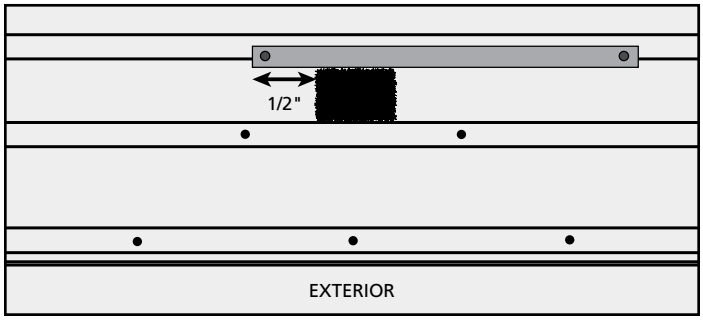
Sub-Section - Weatherstrip Pad Installation

NOTE: Weatherstrip pads will need to be installed into the head and sill tracks.

- Pads should be positioned above and below where each panel overlaps another panel.

Head Track Application

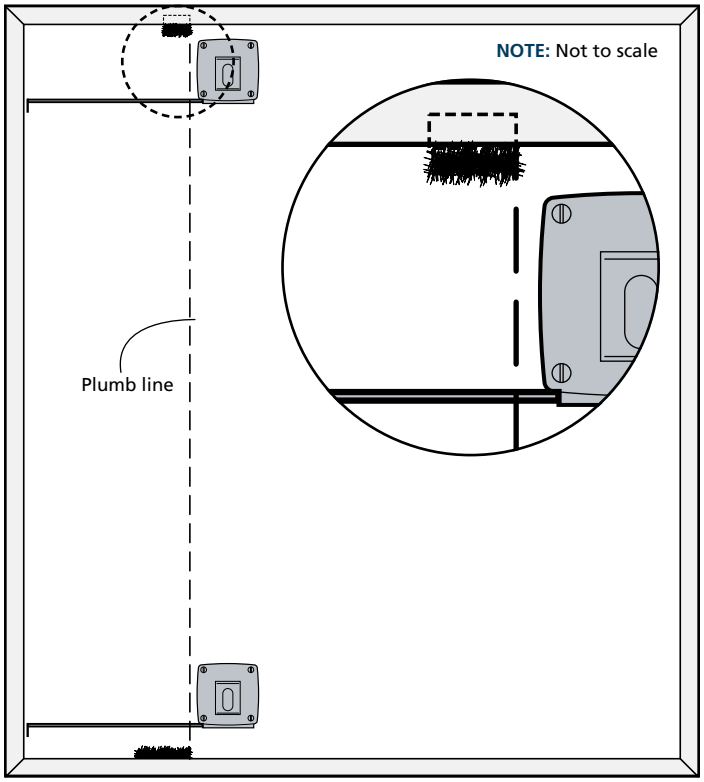
1. Remove the backing and place the 1" tall pile (fuzzy) weatherstrip pad onto the head track. This should be placed on the exterior of the head panel block and back from the edge approximately 1/2" (from the initial alignment mark).



6 PANEL INSTALLATION (CONTINUED)

Sill Track Application

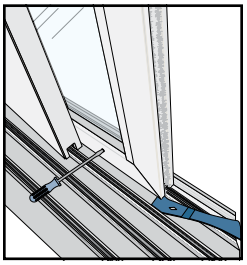
2. Remove the backing and place the 5/16" tall pile (fuzzy) weatherstrip pad onto the sill track (on top of the track filler). This should be directly below the weatherstrip pad installed in the head track.
   NOTE: Measuring from the side jamb, a plumb line or a laser can all be used to determine the location of the lower pad.



Panel Adjustment

Panels should be adjusted, so they **DO NOT** drag on the track or hit the head panel blocks at the top. Each panel has two rollers that can be adjusted by inserting a Phillips head screwdriver through the adjustment port on the exterior face of each panel.

NOTE: Remove the plugs from the lower face of the panel to gain access to the adjustment screws.

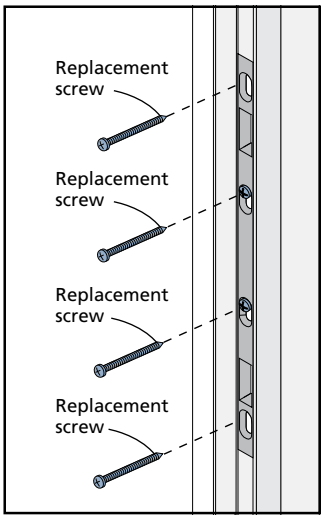


1. Insert a screwdriver (**DO NOT USE A POWER DRIVER**) into the roller adjustment ports – located on the lower exterior face of the panel(s).
2. Place a small pry bar or lift on the panel to take weight off rollers before adjusting.
3. Turn adjustment screws clockwise to raise the panel(s) or counterclockwise to lower the panel(s).
4. Adjust panel(s) until grids are aligned, interlocks engage correctly and operation is acceptable.
5. Install vinyl cap over roller adjustment ports.

Adjust Lock Keeper

NOTICE

Lock keepers come "temporarily" fastened to the door frame. Four 3-inch, flat-head fasteners are needed to secure the keeper properly. Fasteners must be long enough to penetrate the buck or structural framing of the building.



1. After the rollers have been adjusted the locking action can be evaluated and adjusted if needed.
2. For **lock keepers that attach to the door frame side jamb** – keepers can be moved up or down and may be shimmed away from the jamb. Once adjusted, secure keeper to frame jamb with 4 appropriate fasteners (based on the substrate). **Refer to the Product Approval Document.**
3. Keepers mounted to the astragal (bi-parting door systems only), the keeper can be moved up or down and may be shimmed away from the astragal. The keeper will come installed with the correct length and sized screw.

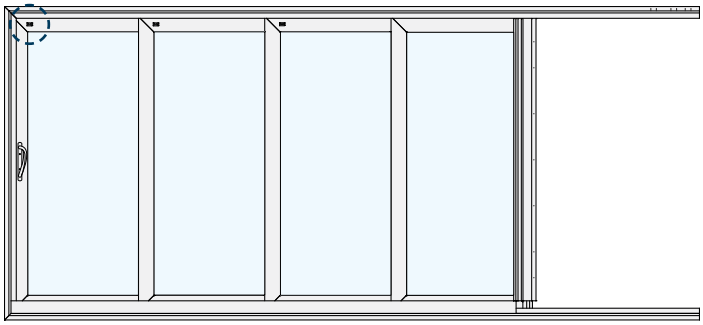
6 PANEL INSTALLATION (CONTINUED)

Panel Catch Installation

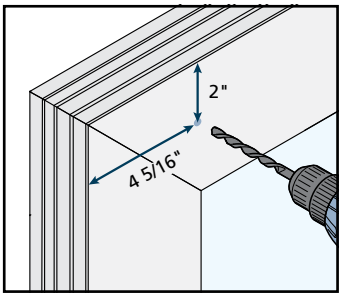
NOTE: The panel catch will be mounted on the interior surface of the door panels. The catch serves to prevent the handle from contacting other panels and/or serves to assist in collecting all panels as the door unit is opened. There will be one less panel catch than the total number of panels.

⚠CAUTION

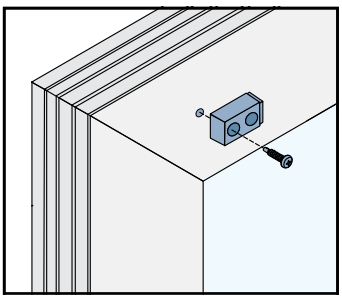
Avoid operating doors in a manner that applies sudden force against the panel catches. For example, operating doors in an aggressive manner that results in a panel slamming against a panel stop.

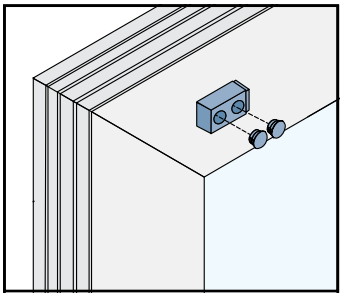


1. With the door panels **installed and adjusted** locate the position of the panel catch on the active door panel (panel with the door handle).
2. Measure down 2" from the head of the panel and then over 4 5/16". Make a mark and pre-drill at this location.



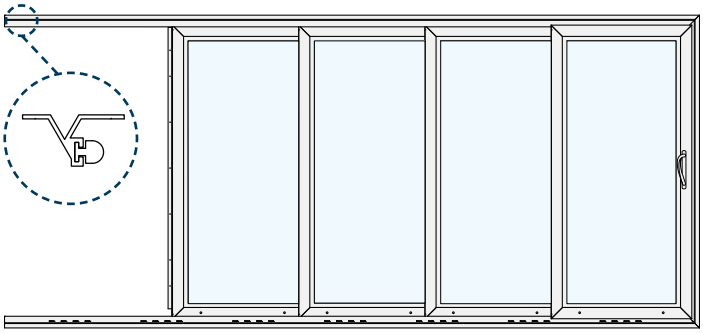
3. Place and align the panel catch, so the first hole of the catch is centered over the pre-drilled hole. Apply the provided #8 x 3/4" flat-head screw and tighten until snug.
4. Make sure the panel catch is level and pre-drill through the remaining hole.
5. Apply the last screw and tighten until snug.
6. Apply caps to cover screw heads.
7. Repeat the process for the remaining catches. Only one catch will be installed in any given panel.



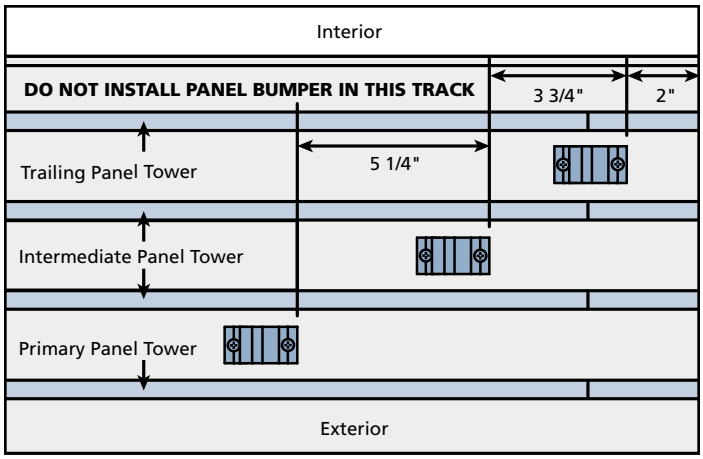


Pocket Bumper Installation

NOTE: The pocket bumpers serve to stop the panels from hitting the exterior of the building and/or running off an open-ended track. There will be one less panel bumper than total number of panels. **The screws used to secure the bumpers should be a #8 pan-head with a minimum embedment of 1 1/2"into the header.**



1. The pocket bumpers should be secured to the head track near the back of the pocket. The bumpers will be applied in a staggered fashion.
2. Start by placing the first bumper into the channel that is exterior of the trailing panel track.



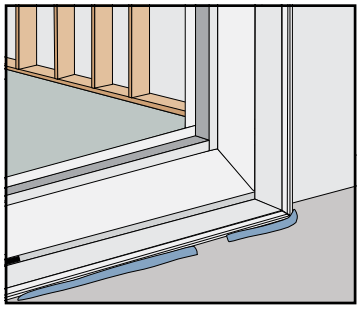
3. Pre-drill and secure the bumper with the appropriate fastener.
4. Refer to the drawing for proper spacing and continue mounting the needed number of bumpers in the same manner.

7 COMPLETE INSTALLATION

Weatherproofing of the rough opening, along with the flashing and proper integration of the fenestration product with the water-resistive barrier, is the responsibility of the installer. JELD-WEN recommends strict adherence to the current version of ASTM E2112.

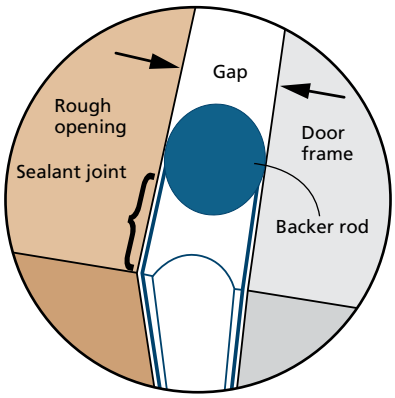
Exterior

1. For **continuous slabs** and **bump-out openings,** apply a discontinuous bead of sealant at the sill-to-slab interface (breaks in sealant are needed to allow water to drain from pan or bump-out).
2. On the exterior of **step-down landings,** install support trim underneath the door frame sill where it extends past the landing. Position trim snugly against the bottom of the sill nose. **DO NOT** apply sealant to the top or backside of the trim.



Interior

3. Where applicable, create a **required** continuous air seal on the interior between the finished opening and the frame with low-expansion foam or backer rod and sealant. **NOTE:** If foam is used, a 1/2" - 1" depth is prescribed. Backer rod can be used to control the depth.

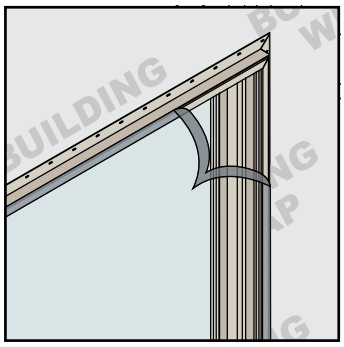


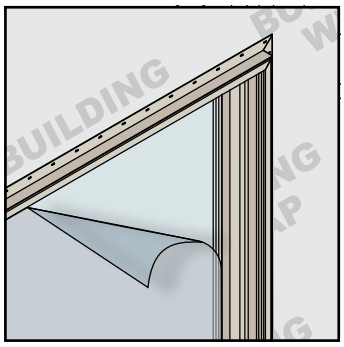
Sealant Joint Detail

8 REMOVE PROTECTIVE FILM

NOTICE

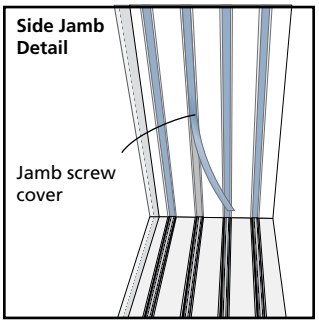
If applicable, remove any protective film immediately from all surfaces of the frame/sash and within six months from any glass.





9 AFTER INSTALLATION

- **Ensure weep holes/channels are clear of debris for proper water drainage. DO NOT seal weep holes/channels.**
- Leave an expansion/contraction gap of approximately 3/8" between the door frame and final exterior wall surface (siding, stucco, etc.).
- Protect recently installed units from damage from plaster, paint, etc.
- Apply head and side jamb screw covers. **NOTE:** If applicable, cut down head jamb screw covers to fit in between the head panel blocks.



10 SCREENS

- A typical Pocket Door System does not allow for the use of a standard rolling screen.
- If a retractable screen kit has been purchased for this door unit refer to the instructions that come with the retractable screen kit. Installation of a retractable screen system is not covered in this document.

Please visit jeld-wen.com for warranty and care and maintenance information.

Thank you for choosing

JELD-WEN