Installation Guide

for Andersen® Clad Outswing Folding Doors with Low Profile Sill

Thank you for choosing Andersen.

Instructions are for typical, new wood-framed wall construction with weather protection in place.

Instructions may not be right for all installations due to building design, construction materials or methods used and/or site conditions. Consult a contractor or architect for recommendations.

Flanges on the unit alone will not properly flash and seal the window or door. Follow these instructions carefully.

For questions call 1-888-888-7020 Monday - Friday, 7am to 7pm and Saturday 8am to 4pm central time.

Due to ongoing product changes, updated test results and/or industry best practices, this installation procedure may change over time. For updated installation guides and/or additional installation information, visit andersenwindows.com/installation.

Contact local authorities or waste management companies for proper recycling and/or disposal of removed windows or patio doors.

Please leave this guide with building owner.

Read guide from beginning to end before starting installation. Read and follow all warnings and cautions during unit installation.

⚠ WARNING

Use caution when working at elevated heights and around unit openings. Follow manufacturers' instructions for ladders and/or scaffolding. Failure to do so may result in injury or death.

⚠ WARNING

Follow manufacturers' instructions for hand or power tools. Always wear safety glasses. Failure to do so may result in injury and/or product damage.

⚠ WARNING

Windows and doors can be heavy. Use safe lifting techniques and a reasonable number of people with enough strength to lift, carry and install window and door products to avoid injury and/or product damage.

⚠ WARNING

Unless specifically ordered, Andersen windows and doors are not equipped with safety glass, and if broken, could fragment causing injury. Many laws and building codes require safety glass in locations adjacent to or near doors. Andersen windows and doors are available with safety glass that may reduce the likelihood of injury when broken. Information on safety glass is available from your local Andersen dealer.

⚠ CAUTION

- Factory supplied head flashing and installation flanges **DO NOT** take the place of standard window and door flashing. Unit must be properly flashed and sealed with silicone for protection against water and air infiltration. Use non-reflective flashings.
- Do not apply any type of film to glass. Thermal stress conditions resulting in glass damage could occur.
- Use of movable insulating materials such as window coverings, shutters, and other shading devices may damage glass. In addition, excessive condensation may result causing deterioration of windows and doors.

NOTICE

Building construction prior to 1978 may contain lead paint which could be disturbed during window replacement. For more information on proper management of lead paint, visit www.epa.gov/lead.

⚠ WARNING

Metal fasteners and other hardware components may corrode when exposed to preservative treated and fire-retardant treated lumber. Obtain and use the appropriate metal fasteners and hardware as called out by the installation guide to fasten unit to any rough opening made from pressure treated and fire-retardant treated lumber. Failure to use the appropriate materials for the installation may cause a failure resulting in injury, property or product damage.

CAUTION

Before installation, the full load must be applied to wall and header above unit rough opening. All roof material must be installed prior to installation to settle header and rough opening to its final position. Installing the door unit before roof is installed will effect product performance.

CAUTION

Rough opening header must not deflect more than 1/16" when carrying the weight of door panels. Door header must carry weight of door panels and all loads effecting opening. Too much deflection will affect product performance.

CAUTION

Follow instructions from foam, sealant and flashing manufacturer regarding material application and compatibility with this product.

IMPORTANT

Due to the complicated nature of this installation, Andersen strongly recommends consulting with a installation professional before attempting to install this product. Check with your local code official to identify and confirm compliance with local building code requirements.

Parts Included

(1) Installation Guide
(1) Care, Finish & Maintenance Guide
(2-16) Door Panels
(4-32) Hardware Packs
(1) Screw Pack
(2) 90° Corner Gaskets
(1) Weatherseal Kit
(1) Door Frame (KD)
(1) Silicone (Color Matched to Frame)
(1) Silicone (Sill)
(1) Caulk (Frame Assembly)
(0-8) Magnetic Catch Set
(0-2) Panel Stop
(1) Multi-Point Lock Set (optional)

Supplies Needed

· Formable Self-adhering Sill Flashing
· Flashing
· House Wrap Tape
· Sealant
· Foam Backer Rod
· Low Expanding Foam
· Batt Insulation
· Staples
· Drip Cap (full width)
· Shims (waterproof)
· Fasteners (Stainless Steel, if required)
  - 1 ¾" Roofing Nails
  - #10 × 1 ½" Screws

Tools Needed

· Safety Glasses
· Tape Measure
· Level
· Drill/Driver
· #2 Phillips Bit
· Caulk Gun
· Staple Gun
· Flat Blade Screwdriver
· Putty Knife
· Suction Cups (If Required)
· Laser Level
· ¾" Drill Bit
· ⅝" Drill Bit
· 5/64" Drill Bit
· 8mm (5/16") Hex Allen Key
· #3 Phillips Screwdriver
· Hammer
· Utility Knife
· J-roller

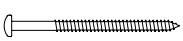
Screw Pack Contains

(4 - 18) #8 × 1 ¾" Flat Head Screws 

(4) #8 × 1 ½" Pan Head Screws 

(12) #10 × 2 ½" Flat Head Screws 

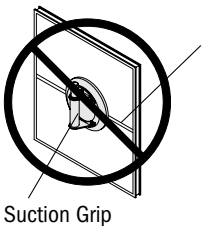
(6) #10 × 2" Pan Head Screws 

(12) #8 × 2 ½" Pan Head Screws 

(16 - 25) #12 x 3 ½" Pan Head Screws 

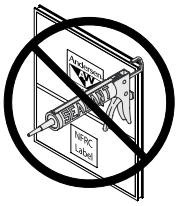
Glass

⚠ WARNING



Suction grips will not hold if placed over seam of film to lift or move unit. Unit will fall causing damage or injury.

CAUTION



Sealants will damage exterior coating on glass.

- Laminated safety glass is not standard and must be special ordered. Check local building codes.
- Leave protective film in place until after construction is finished. Leave (NFRC) performance label in place until final inspection.
- Argon gas blend not available with high altitude glass.

Film Removal

⚠ WARNING

Static created when removing film can ignite flammable materials or cause a shock.

See warning label on glass.

⚠ WARNING

Dispose of film immediately after removal. Film may pose suffocation hazard to children.

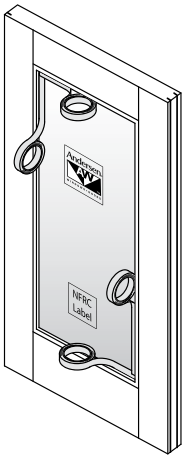
- Remove protective film from seam or corner using plastic scraper if needed.
- Remove protective film within nine months of installation and when temperature is above 32° F.

Finishing

CAUTION

Finish wood surfaces immediately after installation. Unfinished wood will deteriorate, discolor, and/or may bow and split. Do not stain or paint weatherstrip, vinyl, glass, or hardware. Product damage may occur.

- Apply interior casing to complete installation.
- Finish all hidden wood surfaces
- Do not overload brush with stain/paint when finishing. Finish may wick between glass stop/grille on glass.
- Read and follow "Care, Finish, and Maintenance Guide".
- **Read and follow finishing product instructions and warnings on finishing materials.**
- Film is not a substitute for masking.



Cleaning

CAUTION

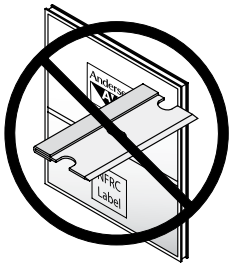
Acid solutions used for cleaning masonry or concrete will damage glass, fasteners, hardware, and metal flashing. Protect unit and follow cleaning product instructions carefully. If acid contacts unit, wash all surfaces with water immediately.

- Clean glass using liquid glass cleaner.
- Clean exterior frame, sash and insect screens using mild detergent and water with a soft cloth or brush.
- For hard to clean areas use a nonabrasive cleaner, alcohol-and-water or ammonia-and-water.

CAUTION

Abrasive cleaners will damage glass surface.

CAUTION



Metal razor blades can damage glass surface and its interior and exterior coatings.

Maintenance

CAUTION

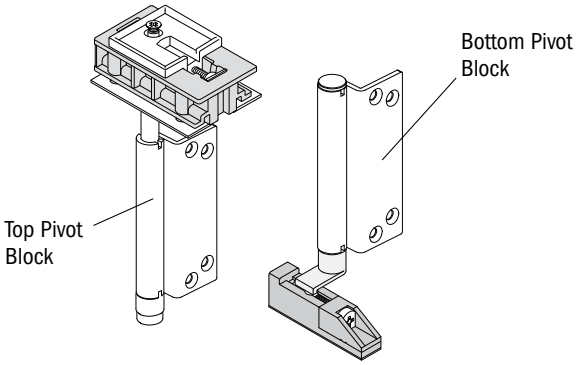
Do not run heavy equipment or loads over bottom sill. If heavy equipment must be taken over sill, build a bridge over the sill that can fully support the weight of the equipment. Running heavy equipment or loads over the sill will damage the product.

- Do not apply any type of film to insulated glass. Thermal stress and glass damage can result. Shading devices (insulated covers, shutters, etc.) may also cause thermal stress and condensation damage.
- After 1-4 weeks of operation, check head track screws. Tighten head track screws to maintain a level head track.
- For continued weather resistance of sealant joints, follow the sealant manufacture's recommendations for periodic maintenance.
- Keep head and sill track clear of debris and water.
- Protect hangers, pivots and brackets with light spray oil.
- For more information contact your local Andersen dealer or visit www.andersenwindows.com.

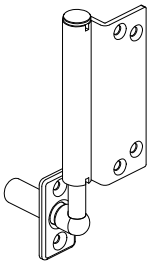
Hardware Identification

IMPORTANT

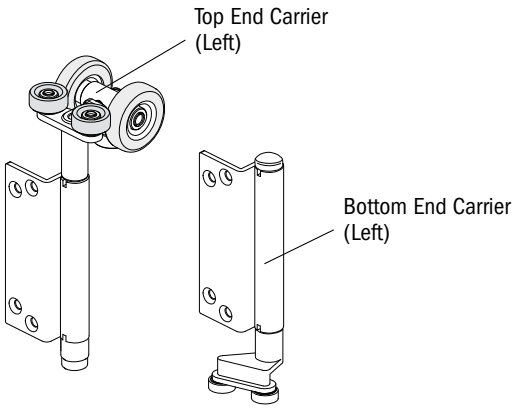
Hardware is installed in head track and most hinges are installed on one of adjacent panels.



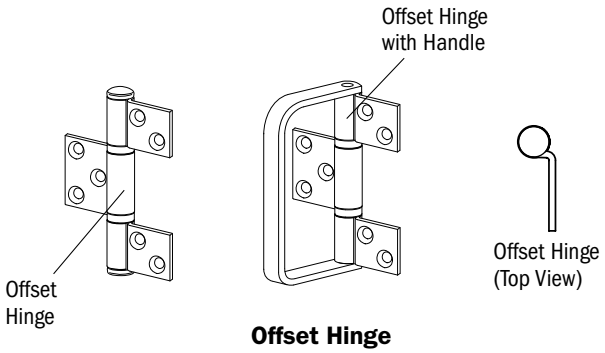
Pivot Set
(Right Hand Shown)



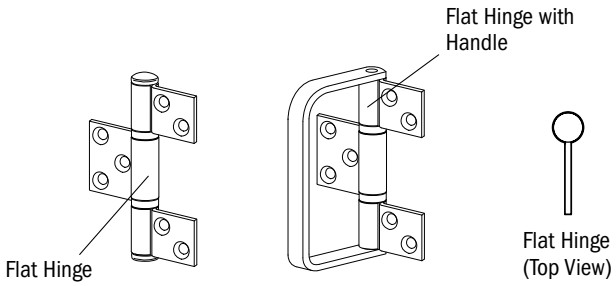
Wall Pivot
(Right Hand Shown)



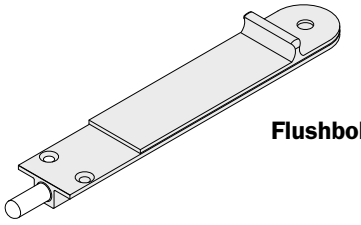
End Carrier Set (Left or Right)
(Left Hand Shown)



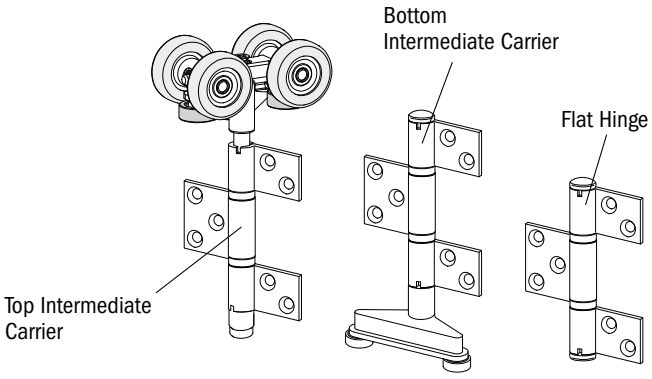
Offset Hinge
(with and without Handle)



Flat Hinge
(with and without Handle)

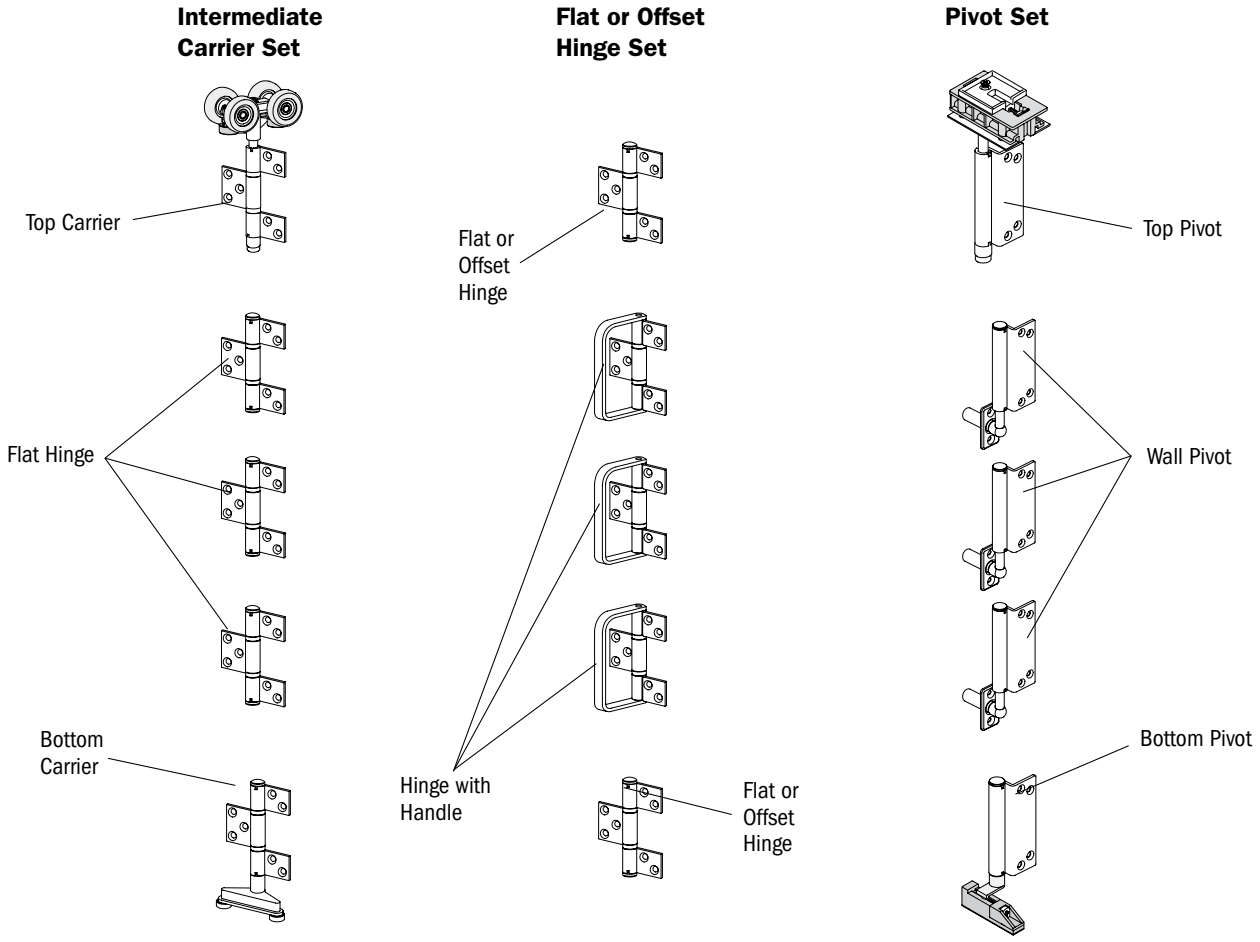


Flushbolt



Intermediate Carrier Set

Hinge Quantities



Hinge Quantity & Type			
Frame Height	**Intermediate Carrier Sets** consist of Top & Bottom Carrier and...	**Flat or Offset Hinge Sets** consist of 2 Flat or Offset Hinges and...	**Pivot Sets** consist of Top & Bottom Pivots and...
Up to 90"	1 Flat Hinge	1 Hinge with Handle	1 Wall Pivot
90.001" to 108"	2 Flat Hinges	2 Hinges with Handles	2 Wall Pivots
108.001" to 120"	3 Flat Hinges	3 Hinges with Handles	3 Wall Pivots

Fasteners

⚠ WARNING

Metal fasteners and other hardware components may corrode when exposed to preservative treated and fire-retardant treated lumber. Obtain and use the appropriate metal fasteners and hardware as called out by the installation guide to fasten unit to any rough opening made from pressure treated and fire-retardant treated lumber. Failure to use the appropriate materials for the installation may cause a failure resulting in injury, property or product damage.

For installing fasteners through Installation Flanges*, Installation Clips, Head and Side Jambs and Sills.

Fastener Schedule		
Building Material	**Minimum Fastener Size**	**Minimum Embedment**
Wood Frame*	#10 Wood Screw	1 ½"
Concrete / Masonry	3⁄16" Masonry Screw	1 ¼"
Steel Frame	#10 Self-Tapping Screw	3 Threads
* 1 ¾" roofing nails can be used for fastening through installation flanges into wood frame construction.		

Rough Opening Specifications

CAUTION

Rough opening must be level and square. It is critical that the header and sill are flat and level. Failure to have a level and square rough opening will affect product performance.

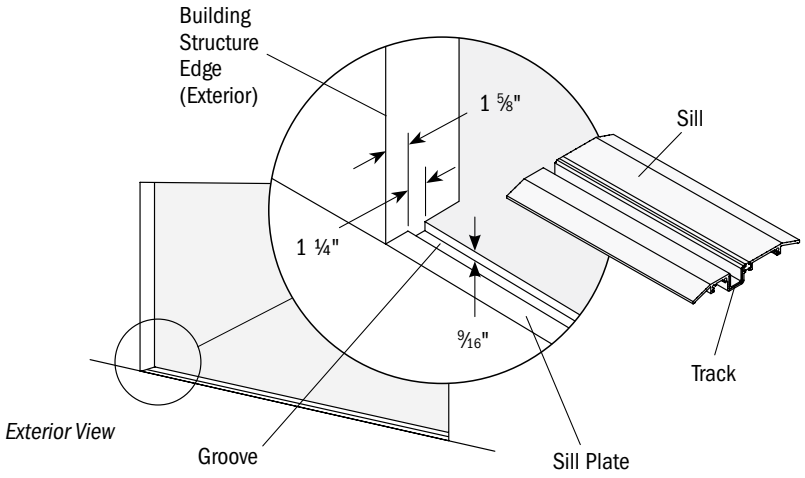
CAUTION

Rough opening header must be strong enough to support maximum panel weights and force generated during unit operation. Failure to properly support unit may result in product and/or property damage.

IMPORTANT

Sill plate must have a 1 ¼" wide by 9⁄16" deep groove along its length, 1 5⁄8" from the exterior edge of building structure allowing clearance for track in sill. Adjust groove size for sill flashing.

· Dry fit sill in rough opening to check groove size and location.



Rough Opening Specifications (continued)

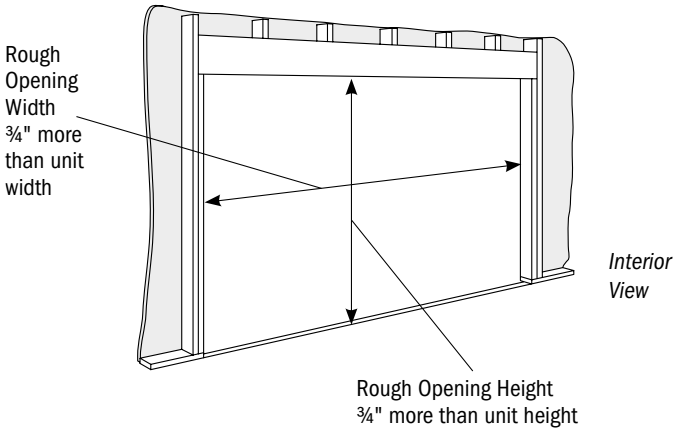
CAUTION

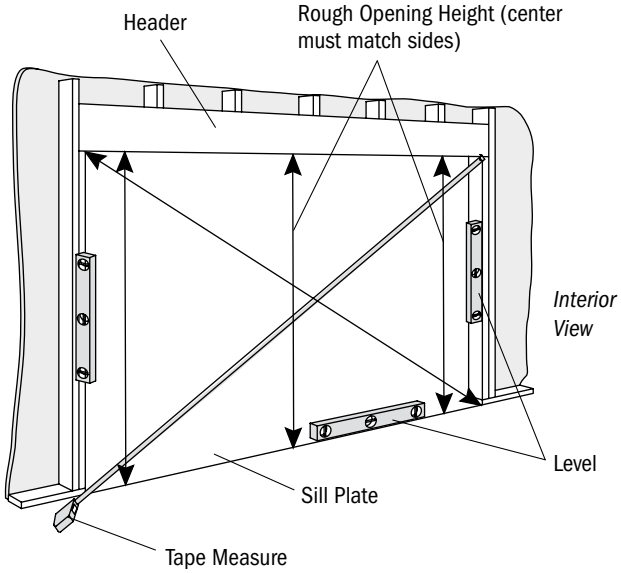
Rough opening must be level and square. Failure to have a level and square rough opening will affect product performance.

CAUTION

Rough opening header must not deflect more than 1/16" when carrying the weight of the doors. Too much deflection will affect product performance.

- Width of rough opening should be ¾" more than unit width. Height of rough opening should be ¾" more than unit height. Allow for flashing thickness.
- Check sill plate for level using a laser level. Sill must be level and flat. Shim if needed.
- Check header for level. Measure rough opening height at sides and in center. Measurements must be the same.
- Check rough opening for square by measuring diagonally across, upper left to lower right and upper right to lower left corner. If measurements are within ⅛", opening is square. If rough opening is not square, correct as needed.





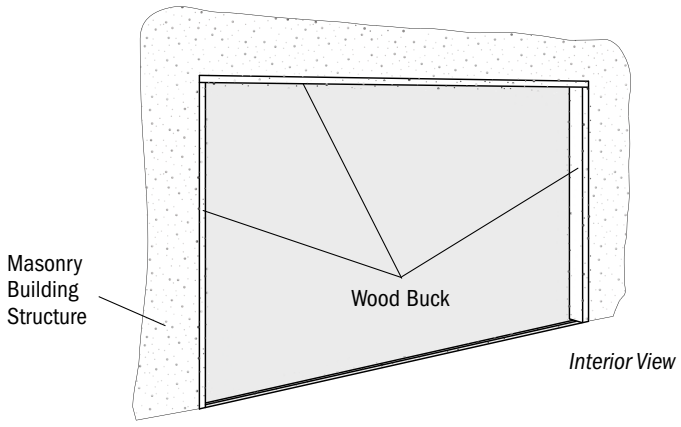
Masonry Construction

CAUTION

DO NOT install unit with unfinished wood in direct contact with masonry/concrete. Apply proper finish to wood surface, or place barrier (i.e. tar paper or ice/water membrane) between wood and masonry/concrete surface. Failure to do so may result in product and/or property damage.

IMPORTANT

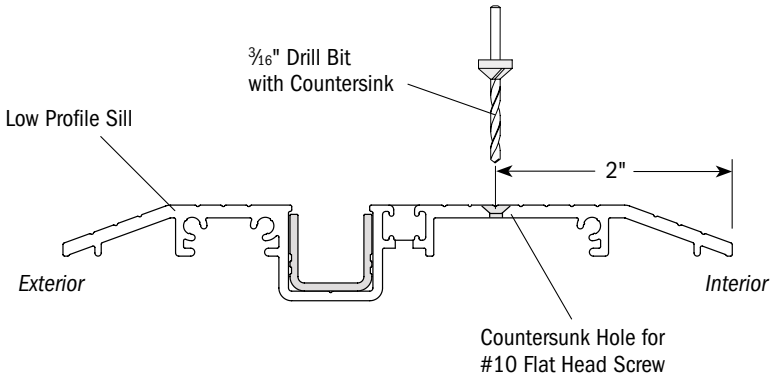
For masonry applications, install and securely fasten a wood buck around head and sides of masonry opening before installing door unit. Apply sealant between rough opening and wood buck.

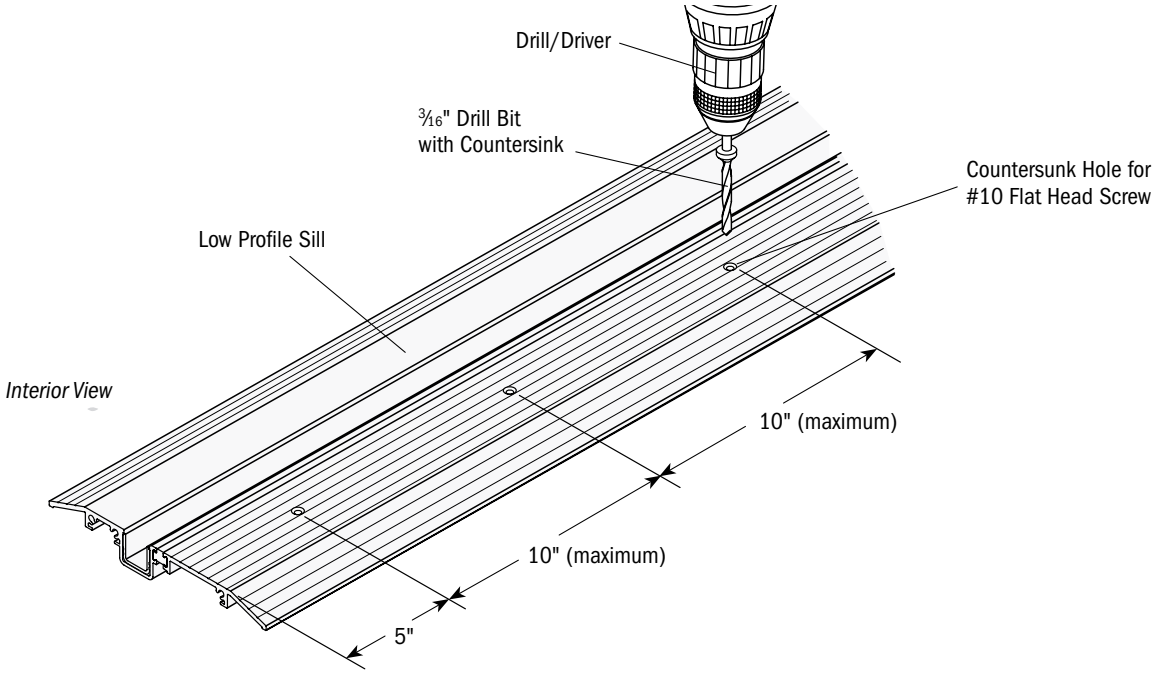


Predrill Sill

Required for Florida non-impact certified installation only.

- Remove frame components (sill, side jambs, & head jamb) from package.
- Place sill on flat work surface.
- Drill (3⁄16" hole) and countersink sill for #10 flat head screws, 5" from ends and every 10" (maximum) between and 2" from interior edge. See drawings for location.
- Use #10 flat head screw to check depth of countersink. Top of #10 flat head screw should be flush with top of sill.

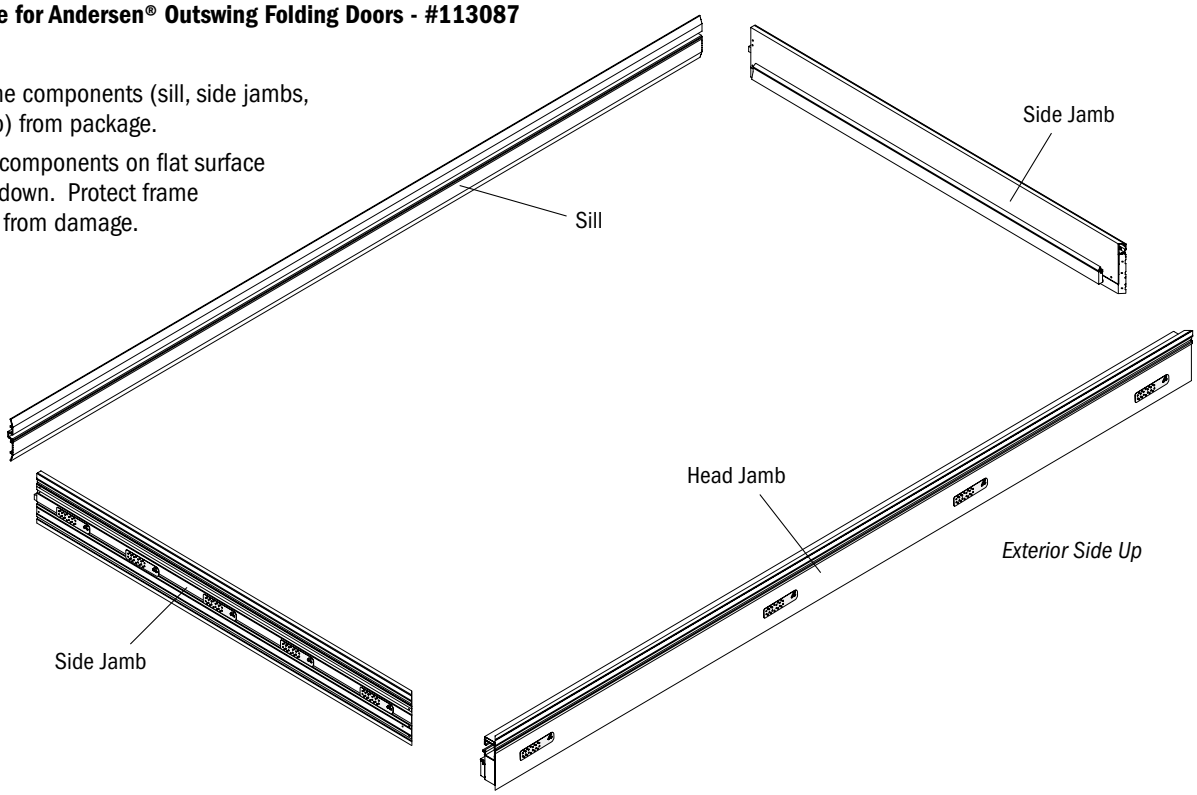




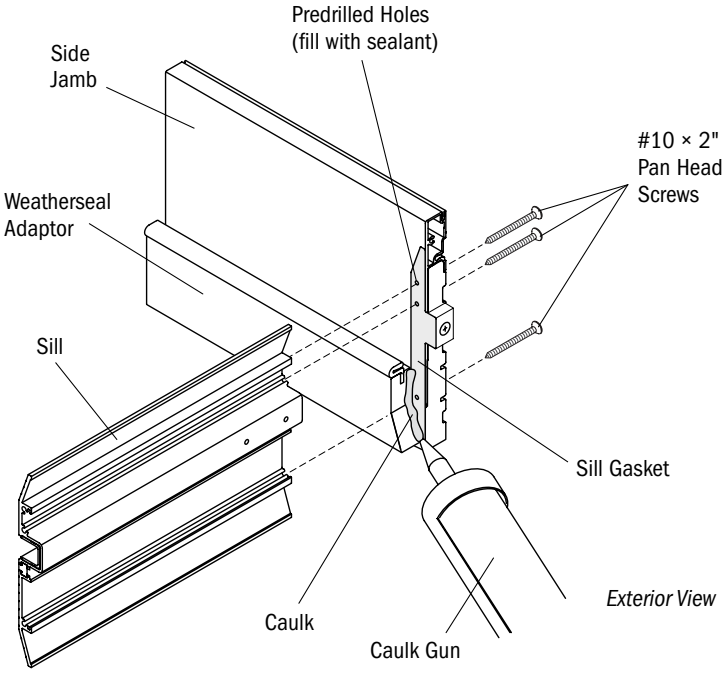
1. Assemble Frame

For units with 2 piece sill and head jamb, proceed to Sill and Head Assembly Guide for Andersen® Outswing Folding Doors - #113087

- Remove frame components (sill, side jambs, & head jamb) from package.
- Place frame components on flat surface interior side down. Protect frame components from damage.

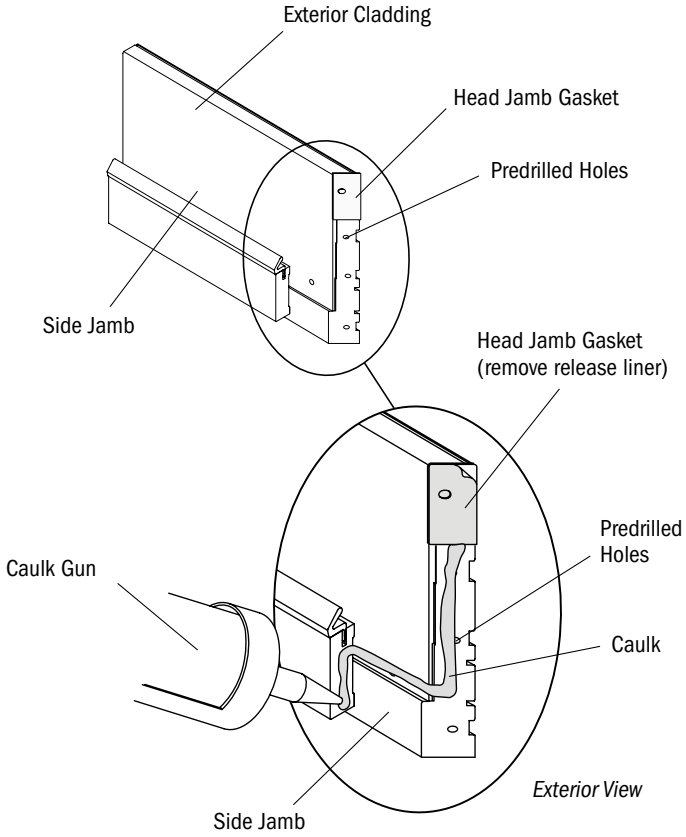


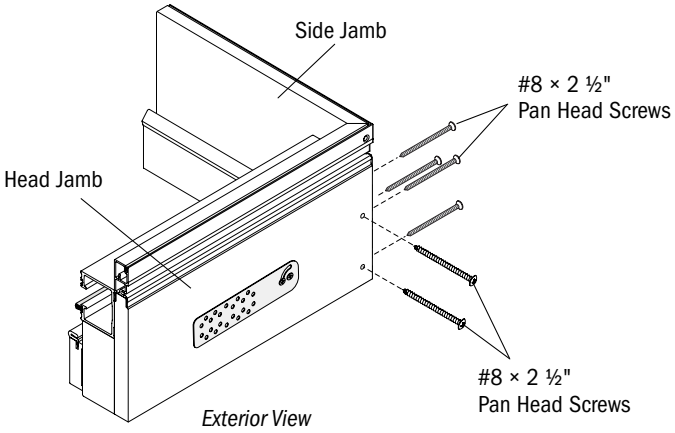
- Fill predrilled holes in side jambs (sill end) with sealant.
- Apply ⅜" bead of caulk along bottom of weatherseal adaptor on side jambs.
- Secure sill to side jambs by installing #10 × 2" pan head screws through predrilled holes in each side jamb (sill end).

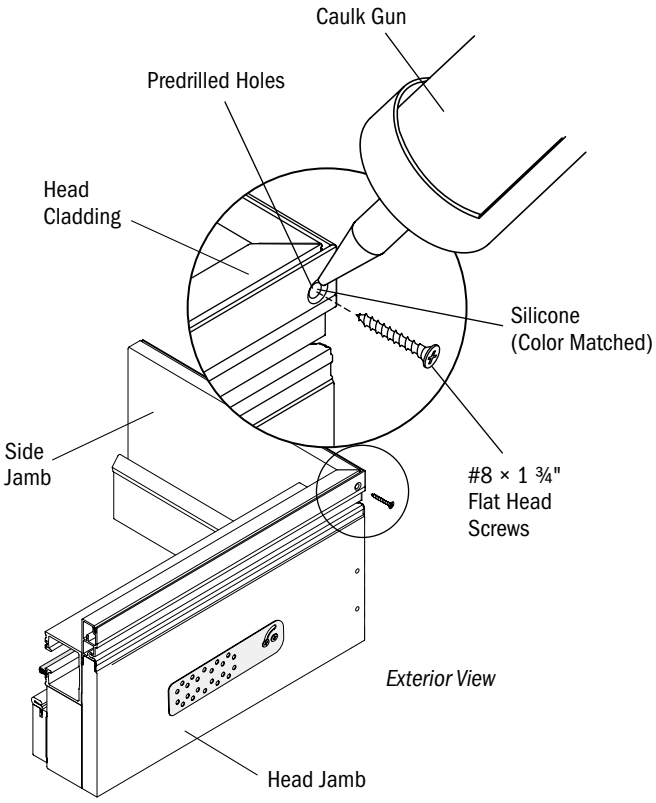


1. Assemble Frame (continued)

- Remove release liner from head jamb gaskets which are attached to mitred ends of side jambs. See drawing.
- Apply ¼" bead of caulk along top of side jambs (head end) over predrilled holes. See drawing.
- Bring side jamb and head jamb together and align mitered exterior cladding. Inject silicone into predrilled hole in exterior cladding.
- Secure exterior cladding between head jamb and side jambs by installing supplied (from screw pack) #8 × 1 ¾" flat head screws through predrilled holes in head cladding. See drawing.
- Secure head jamb to side jambs by installing supplied (from screw pack) #8 × 2 ½" pan head screws through predrilled holes in side jambs and head jamb. Alternate screws to maintain tight, square joint.

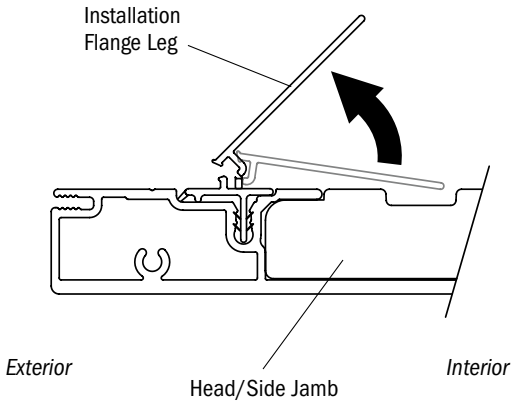


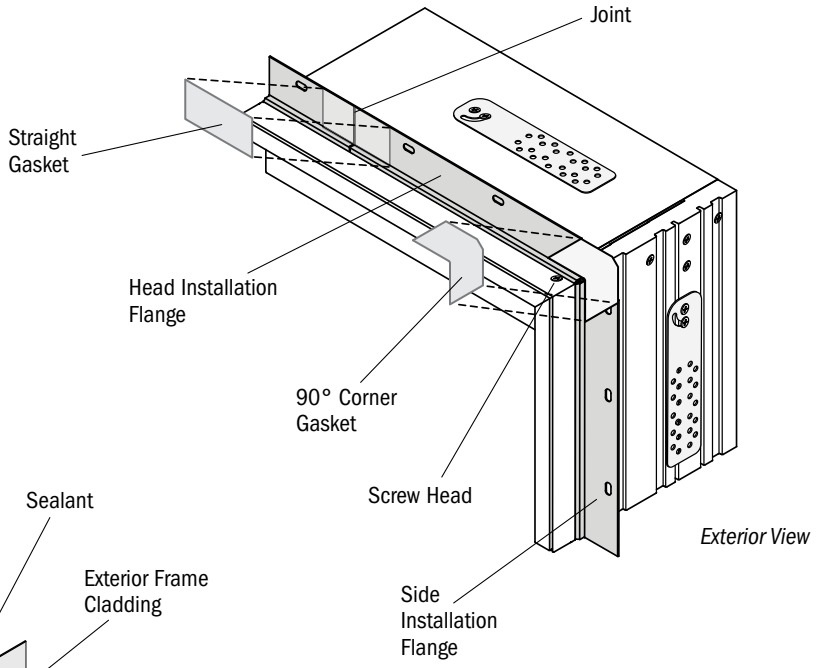


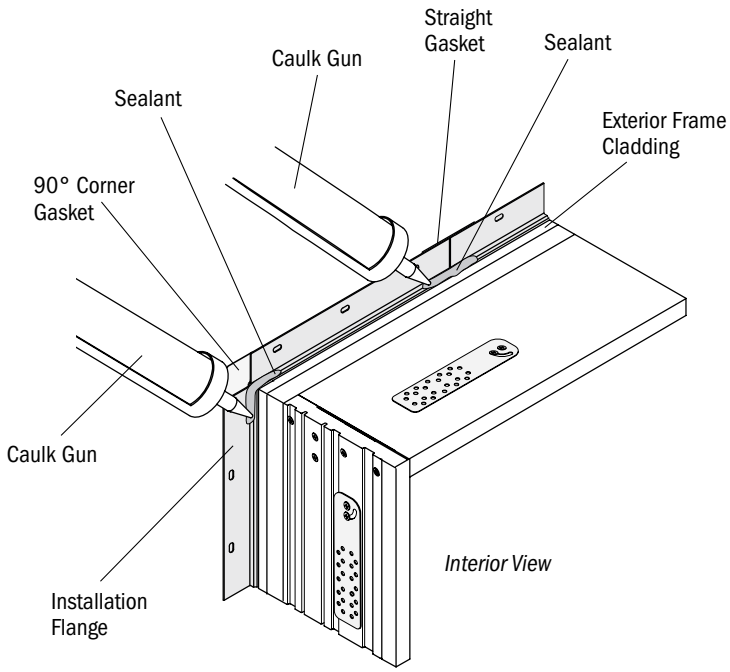


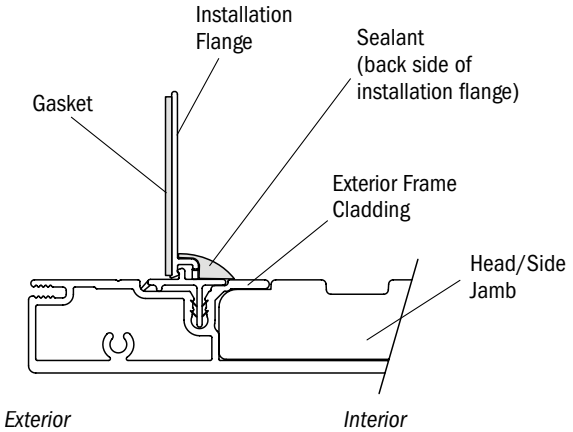
2. Preparation of Installation Flanges

- Fold leg of installation flange up and snap into position perpendicular head and side jambs.
- If head installation flange is in two pieces, apply straight gasket over joint.
- Remove release liner from 90° corner gaskets and adhere to head and side installation flanges from exterior at top corners.
- Apply sealant to back side of installation flange behind gaskets along exterior frame cladding. See drawing. Cover screw head in cladding at corner with color matched silicone.









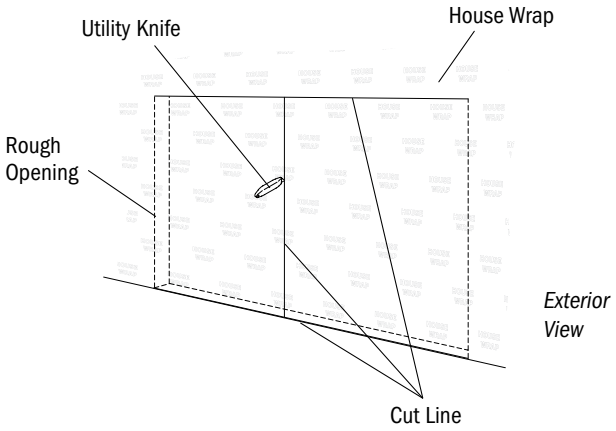
3. Prepare Rough Opening

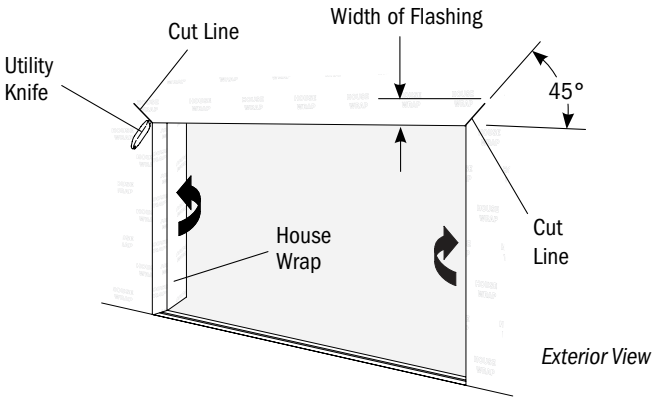
- Cut house wrap along sill and head of rough opening.
- Cut house wrap vertically in center of rough opening from head to sill.
- Trim excess house wrap, fold around to inside, and staple.
- Cut top corners of house wrap on 45° angles the width of head flashing.
- Fold flap up and temporarily tape in position.

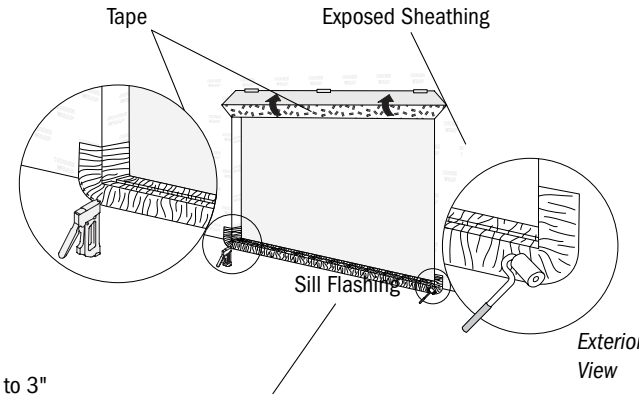
CAUTION

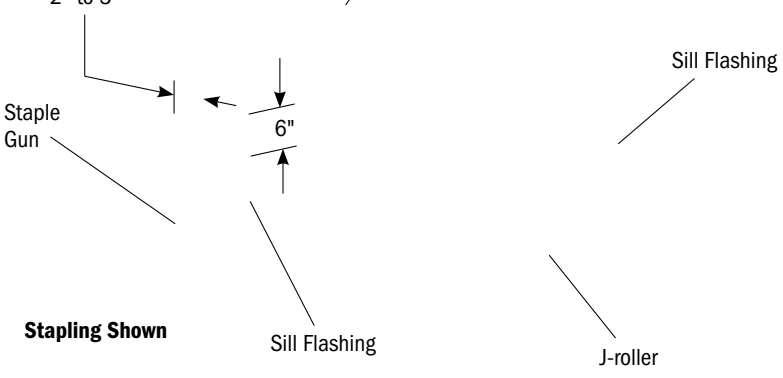
Apply formable flashing. Make sure there are no wrinkles or voids. Failure to do so may result in product/property damage.

- Apply sill flashing on rough opening sill using J-roller. Keep sill flashing 6" above sill at sides and 2" to 3" onto house wrap around exterior.
- Liquid flashing recommended for concrete. Follow manufacturer's instructions.
- Secure corners of sill flashing by stapling, taping or nailing in position. Stapling shown.

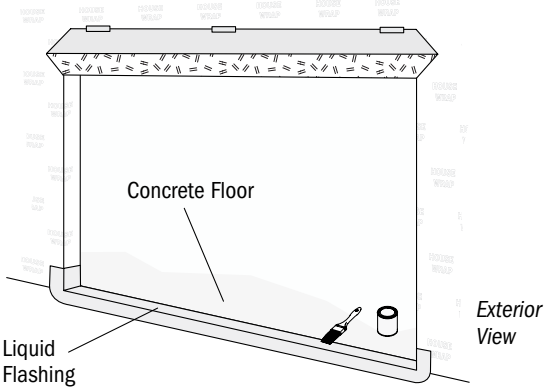






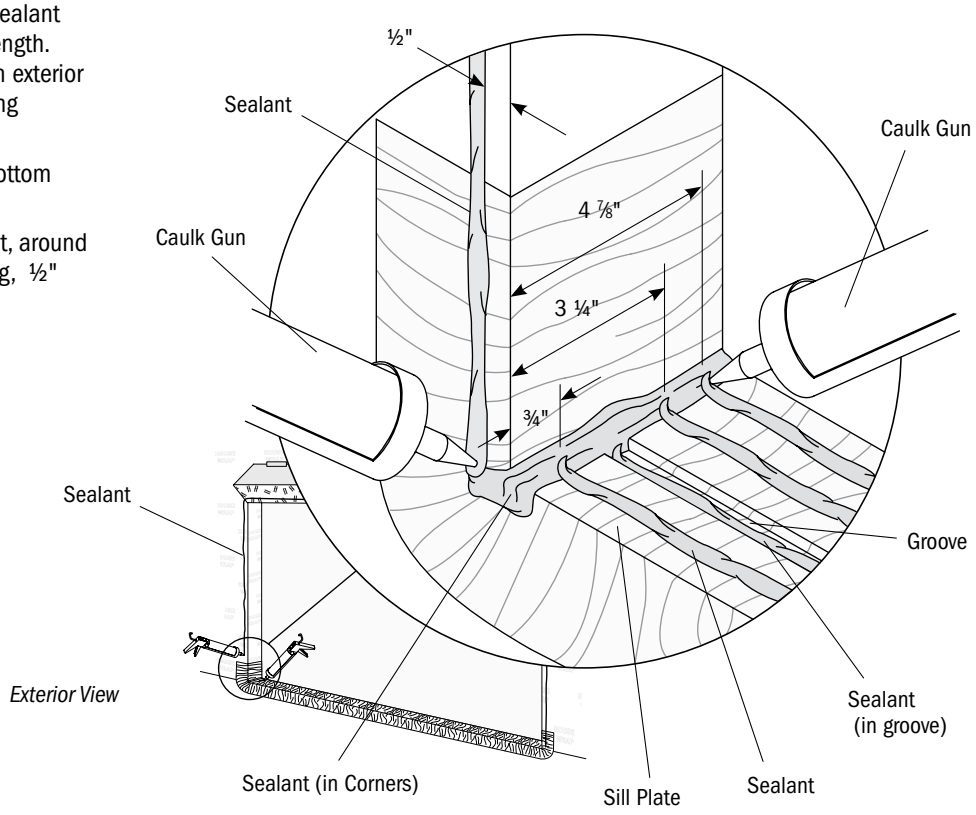


Stapling Shown



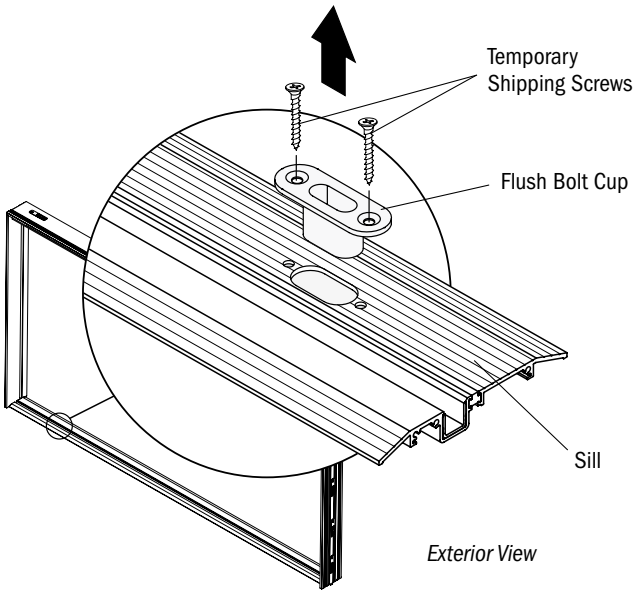
3. Prepare Rough Opening (continued)

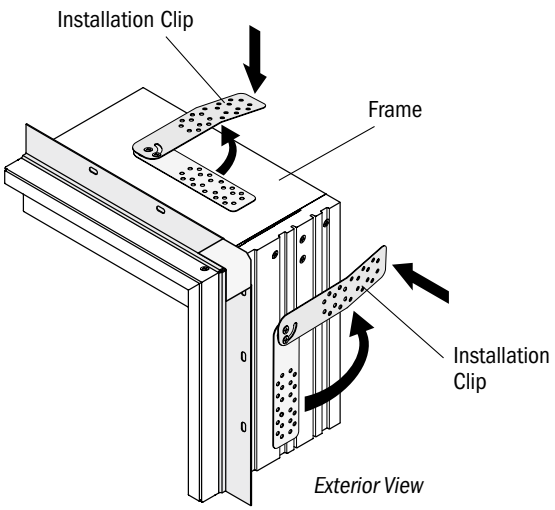
- Apply three, continuous ⅜" beads of sealant along sill plate of rough opening full length. Space beads ¾", 3 ¼", and 4 ⅞" from exterior edge. Apply a ⅜" bead of sealant along bottom of groove.
- Apply a liberal amount of sealant in bottom corners.
- Apply a continuous ⅜" bead of sealant, around exterior sides and top of rough opening, ½" from rough opening edge.



4. Prepare Frame

- Remove flush bolt cups from sill. Keep flush bolt cups for reinstallation. Discard temporary shipping screws.
- Rotate installation clips 90° into position and push ends down (approximately 15° to 20°) around frame, as shown, before placing unit into rough opening.





5. Install Frame

⚠ WARNING

Windows and doors can be heavy. Use safe lifting techniques and a reasonable number of people with enough strength to lift, carry and install window and door products to avoid injury and/or product damage.

⚠ WARNING

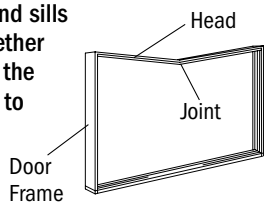
Support frame in rough opening at all times until secure. Failure to support frame could result in frame falling causing injury, property, and/or product damage.

CAUTION

Do Not twist frame while installing in rough opening. Twisting frame while installing may result in product/ property damage.

CAUTION

Frames with 2 piece heads and sills which have been spliced together require extra support around the joint while installing. Failure to properly support the joints may result in product/ property damage.



CAUTION

A minimum ¼" space is required around exterior perimeter of unit between unit and building framing. Failure to properly space product in opening may result in product and/or property damage.

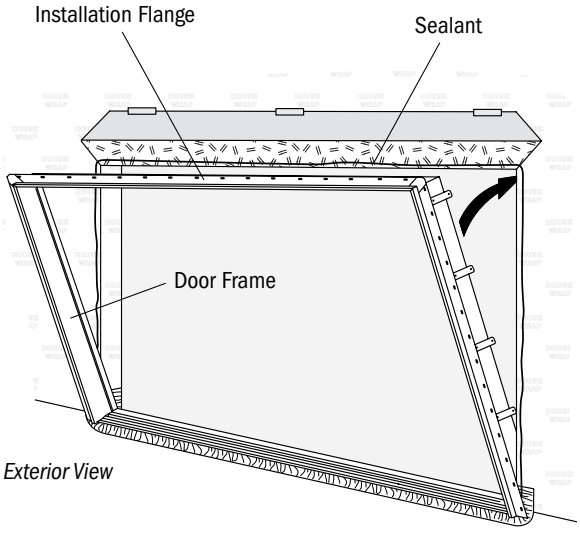
CAUTION

Unit frame must be level and square. Failure to have a level and square frame will affect product performance.

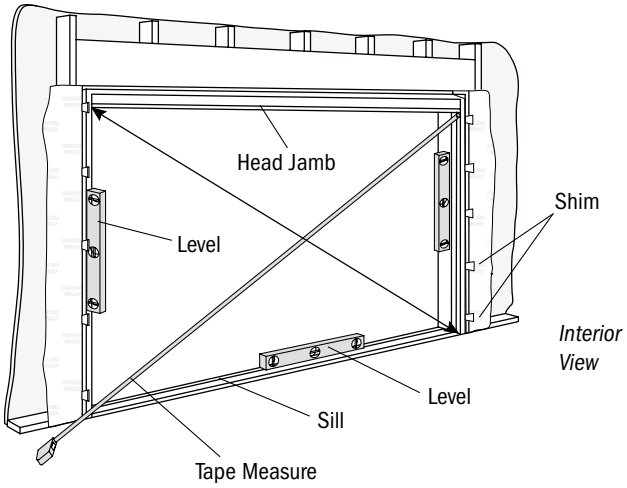
IMPORTANT

Apply pressure or weight to sill to seat sill into sealant. Check that sill is flat and straight. Adjust as required.

- Lift and center frame in rough opening, setting unit in sealant along rough opening sill from exterior.
- Push top in until installation flange is firmly pressed into sealant around perimeter of rough opening.
- Center frame in rough opening.
- Insert shims between rough opening and side jambs, beside each installation clip. Shims are installed between side jambs and building structure to prevent jambs from bowing.
- Adjust door frame in opening from the interior. Check frame for plumb and level using a level. Correct as needed.
- Check frame for square by measuring diagonally, upper left to lower right and upper right to lower left corners. Both measurements must be within ⅛ ". Correct as needed.



Exterior View



Interior View

5. Install Frame (continued)

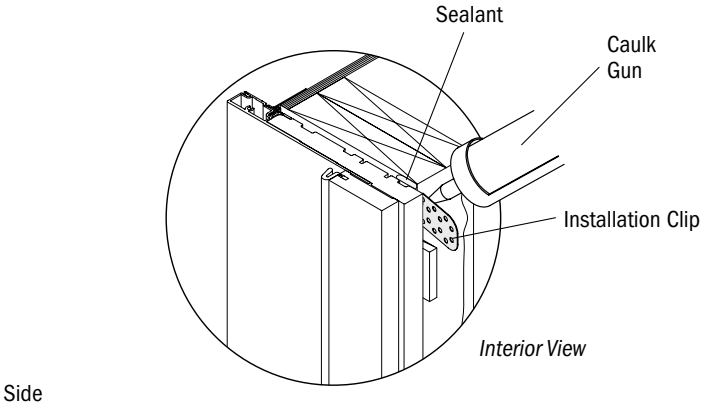
CAUTION

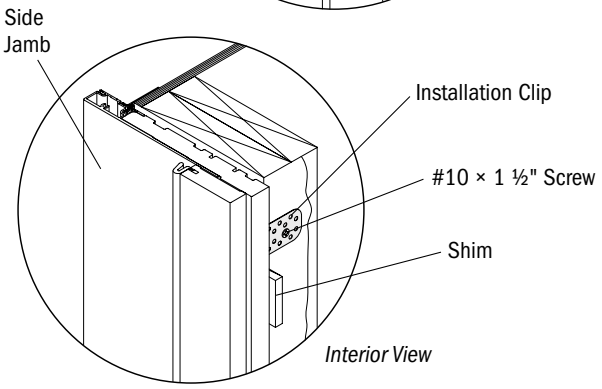
Head track must be secured with proper size and quantity of screws. Secure head track with #12 or larger screws in all predrilled holes in head track. Screws must penetrate the rough opening header by at least 1 ½". Failure to do so could result in product and/or property damage.

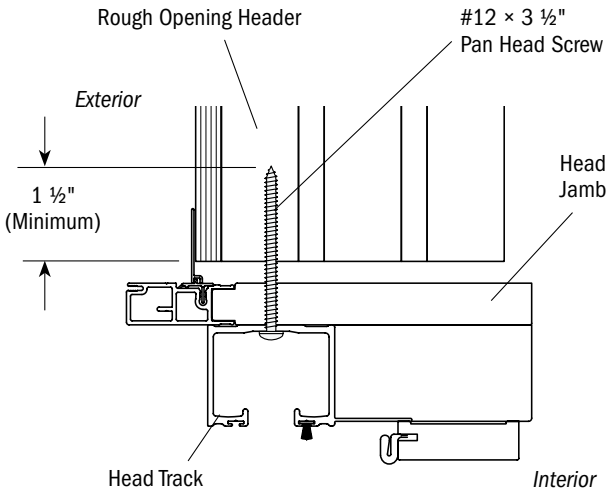
IMPORTANT

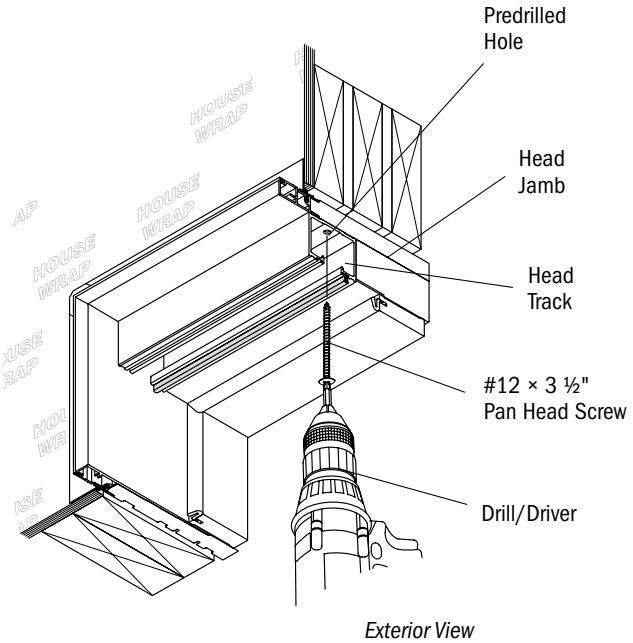
Head jamb must be level or have slight (⅛" maximum) camber up in center.

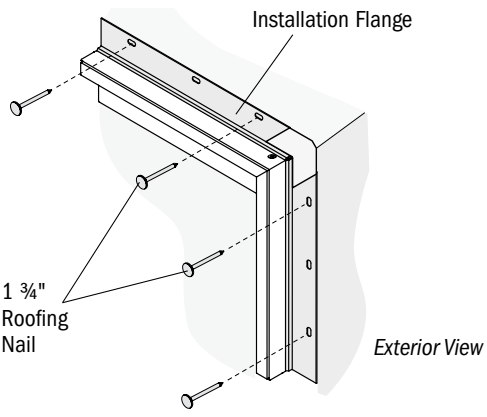
- Completely fill void between installation clips and rough opening with sealant.
- Bend and fasten installation clips to building structure using #10 × 1 ½" screws.
- Install supplied (from screw pack) #12 × 3 ½" pan head screws through all predrilled holes in head track. Screws must penetrate the rough opening header by at least 1 ½". Use longer screw if required. Do Not shim between head jamb and rough opening header. Use screws to keep head jamb level.
- Nail through every other hole around installation flanges using 1 ¾" roofing nails.









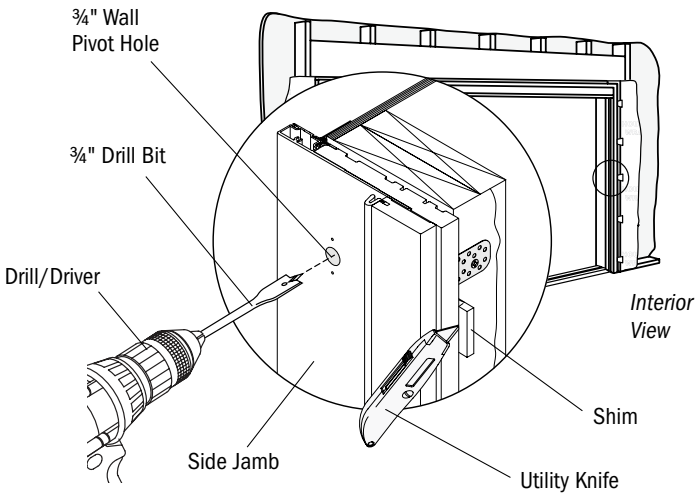


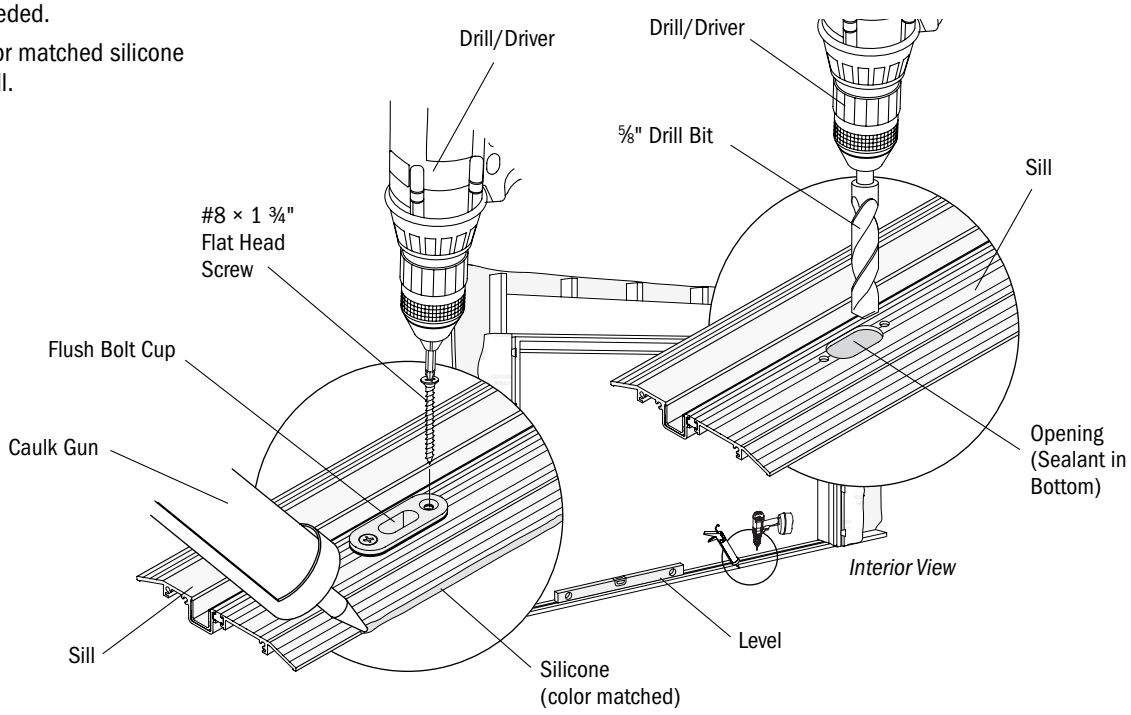
5. Install Frame (continued)

CAUTION

Do Not over tighten screws or distort sill. Over tightening screws or distorting sill may effect product performance.

- Increase depth of ¾" wall pivot hole in side jamb(s) to 1 ⅝" deep by drilling into rough opening with ¾" drill bit and drill/driver.
- Cut shims flush with door frame using a utility knife.
- Using flush bolt cup opening(s) in sill as guide, drill subfloor, ⅜" deep using ⅝" drill bit to allow clearance for sill flush bolt cups. Fill bottom of hole(s) with sealant.
- Install flush bolt cups with supplied (from screw pack) #8 x 1 ¾" flat head screws. Check that sill is level. Shim as needed.
- Apply a ¼" bead of color matched silicone along interior edge of sill.



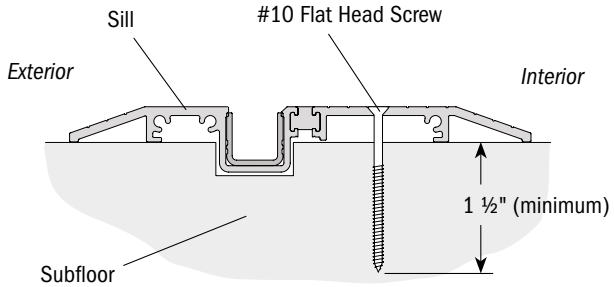


For Florida Non-Impact Certification Installation

IMPORTANT

Secure the sill with #10 flat head screws. Screws must have a minimum embedment of 1 ½" into subfloor. Use 3⁄16" masonry screws if required.

- Install #10 flat head screws into countersunk holes in sill. #10 flat head screws should be of sufficient length to achieve 1 ½" embedment into subfloor. Check that sill is level. Shim as needed.

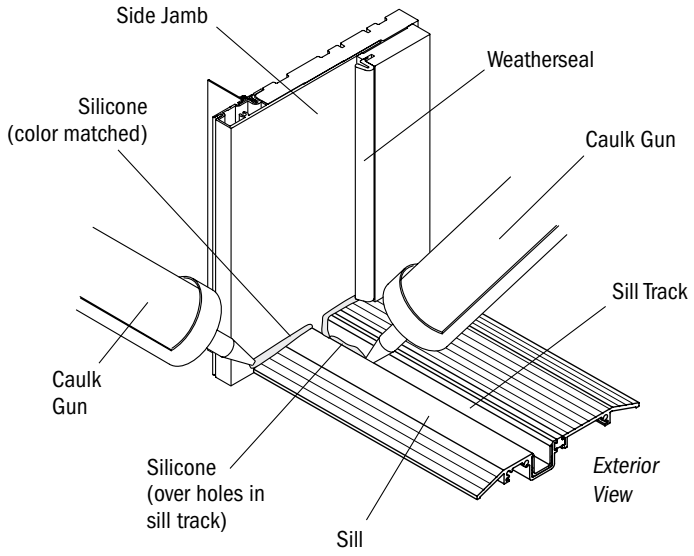


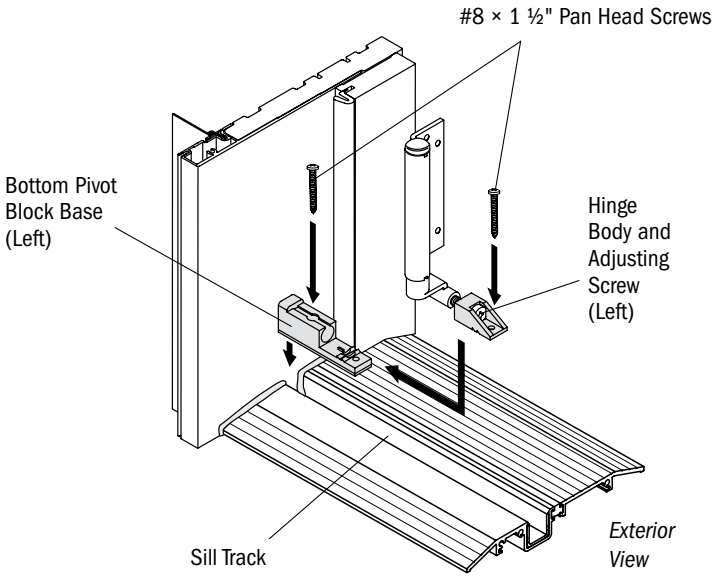
6. Install Hardware

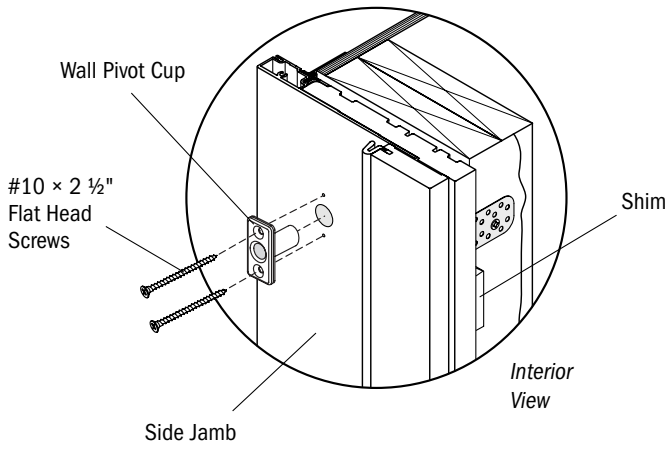
IMPORTANT

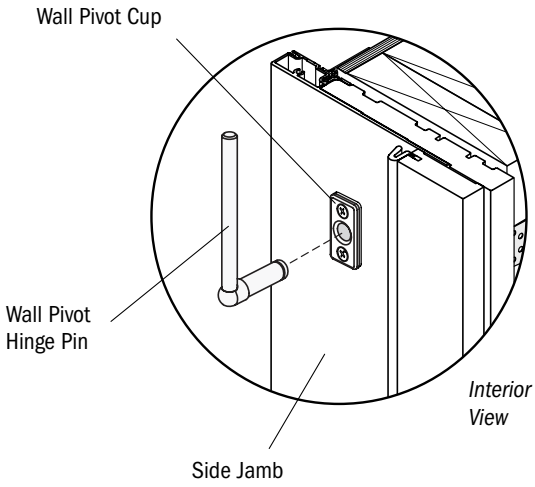
Hardware is installed in head track and most hinges are installed on one of adjacent panels.

- Apply continuous ¼" bead of color matched silicone between sill and side jambs from weatherseal to exterior edge of sill. Seal along sides and bottom of sill track.
- Apply ¼" bead of silicone over predrilled holes in bottom of sill track.
- Install bottom pivot block(s) in end(s) of sill track with supplied (from screw pack) #8 × 1 ½" pan head screws through predrilled holes. If securing directly to masonry, use masonry screws.
- Install wall pivot cup(s) with supplied (from screw pack) #10 × 2 ½" flat head screws in predrilled holes. Shim behind frame as required.
- Slide wall pivot hinge pin(s) into wall pivot cup(s).







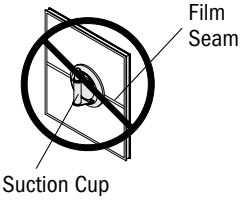


7. Install Door Panels

⚠ WARNING

Windows and doors can be heavy. Use safe lifting techniques and a reasonable number of people with enough strength to lift, carry and install window and door products to avoid injury and/or product damage.

⚠ WARNING

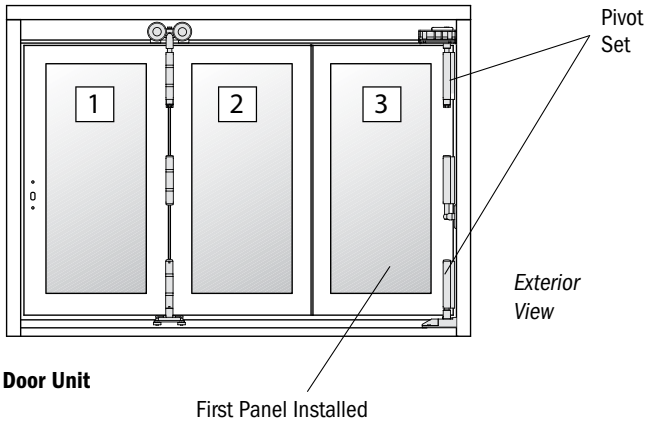


Suction cups will not hold if placed over seam of film to lift or move unit. Unit will fall causing damage or injury.

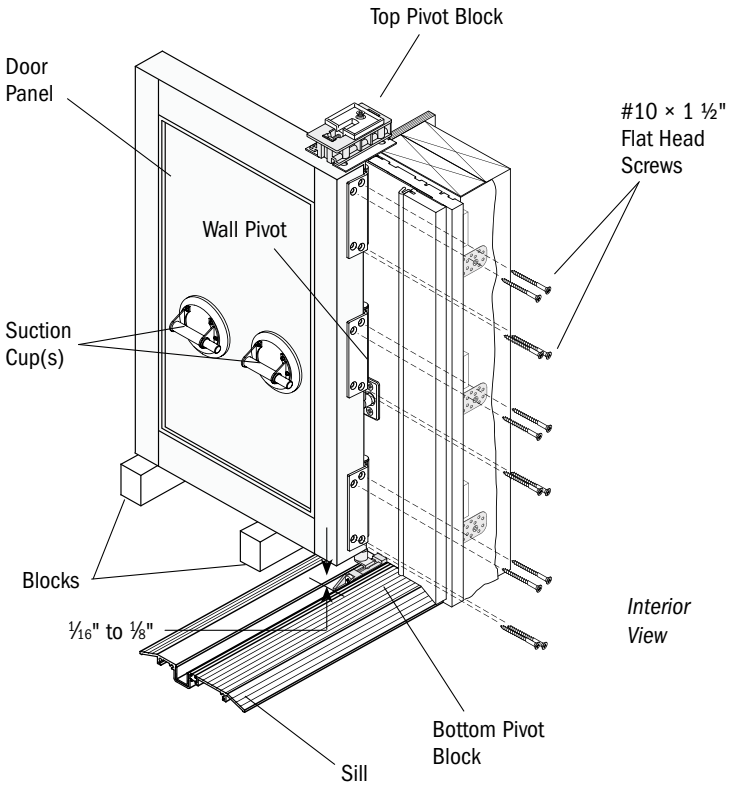
IMPORTANT

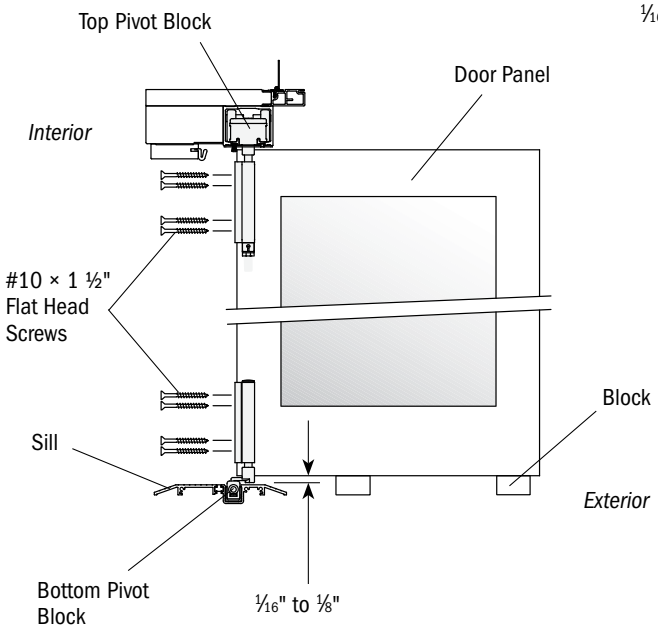
Door panels are numbered from left to right, (as viewed from exterior) for panel orientation purposes only, not to indicate order of installation.

- Install the door panel(s) secured by the pivot set(s) first (adjacent to side jamb) then work towards the opposite panel. This panel could be the first or last numbered panel.
- Slide wall pivot hinge leaf(s) into wall pivot hinge pin(s).
- Place door panel in open position 90° to frame and support on blocks. Use adequate number of people and suction cups to lift panel. Door panel should be level and 1/16" to 1/8" above sill.
- Secure top and bottom pivot blocks and wall pivot(s) to door panel with supplied (from hardware pack) #10 x 1 ½" flat head screws in predrilled holes.



3R Door Unit





7. Install Door Panels (continued)

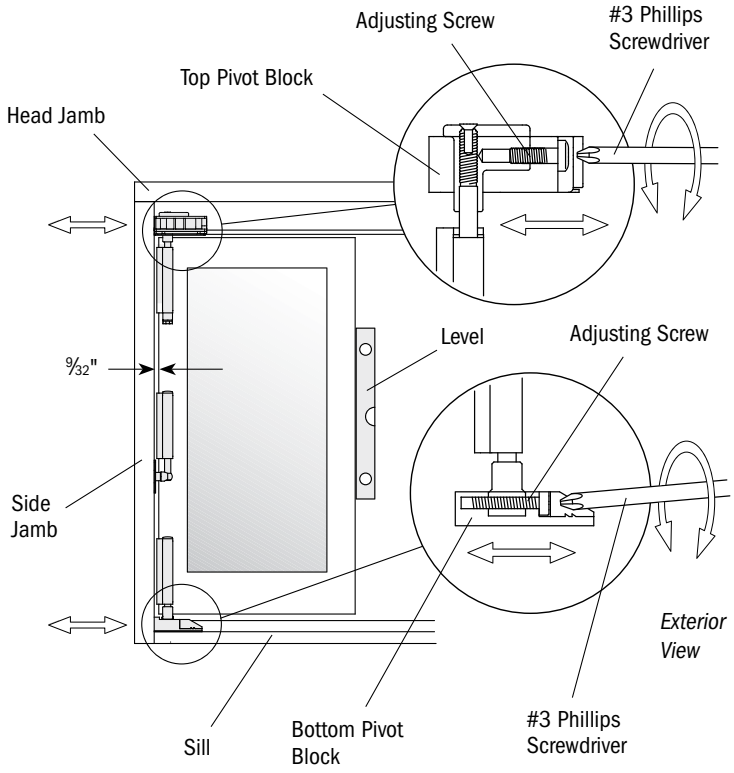
CAUTION

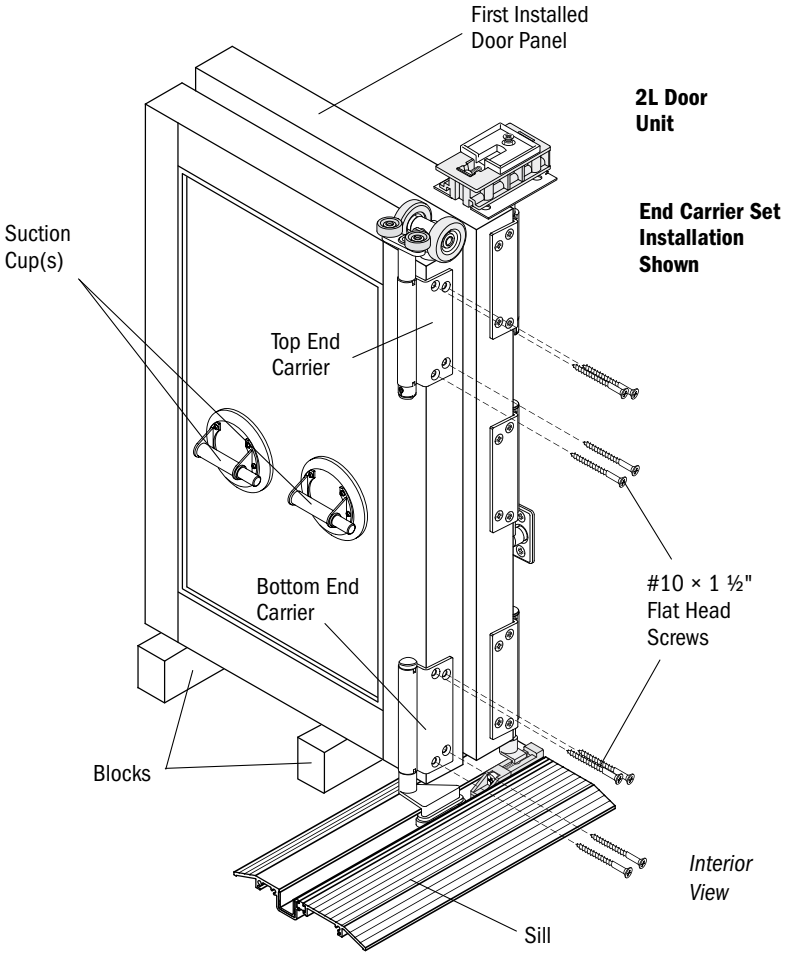
Support and lift door panel when adjusting door panel with adjusting screw. Failure to do so may result in product damage.

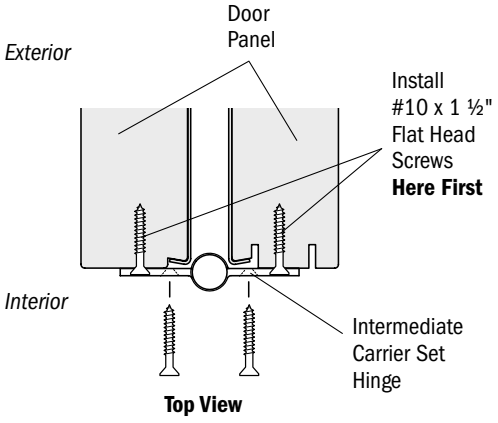
IMPORTANT

When securing panels in frame, attach panels to hardware at track first, then attach panels to each other with hinges.

- Close the door and check for a consistent 9/32" gap between door panel and side jamb.
- Check for consistent gap between door panel and head jamb.
- Move door panel to open position to adjust pivot blocks. Check door panel for level. Adjust panel as required. See drawing.
- Place second door panel beside first installed door panel in open position. Use adequate number of people and suction cups to lift panel. Support door panel on blocks keeping door panel level and 1/16" to 1/8" above sill. Match position of first installed door panel.
- Secure intermediate or end carrier set (depending on door configuration) to edge of door panel with supplied (from hardware pack) #10 × 1 ½" flat head screws in predrilled holes. When installing screws in carriers and hinges, install outside screws first to keep hinges flat to edge of door panel. See drawings.







7. Install Door Panels (continued)

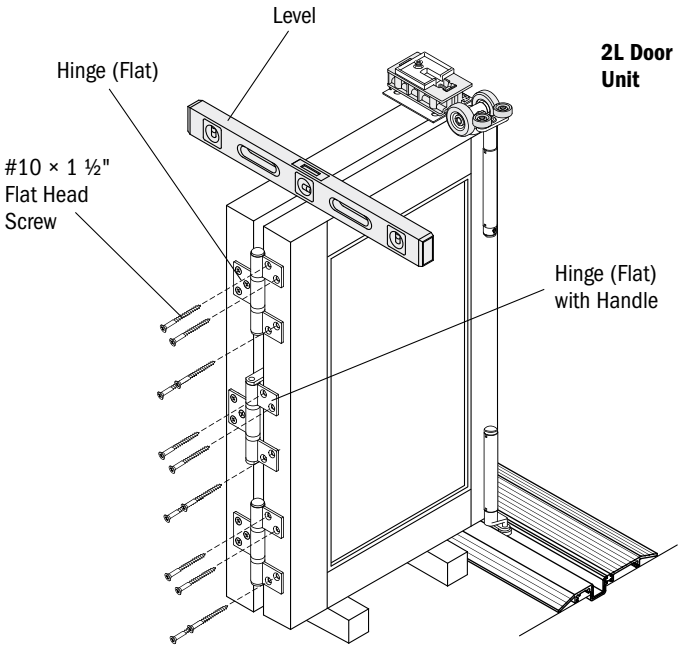
IMPORTANT

Hinges with handles go in the center of the door panel. One on three hinge doors, two on four hinge doors, and three on five hinge doors. See page 6.

IMPORTANT

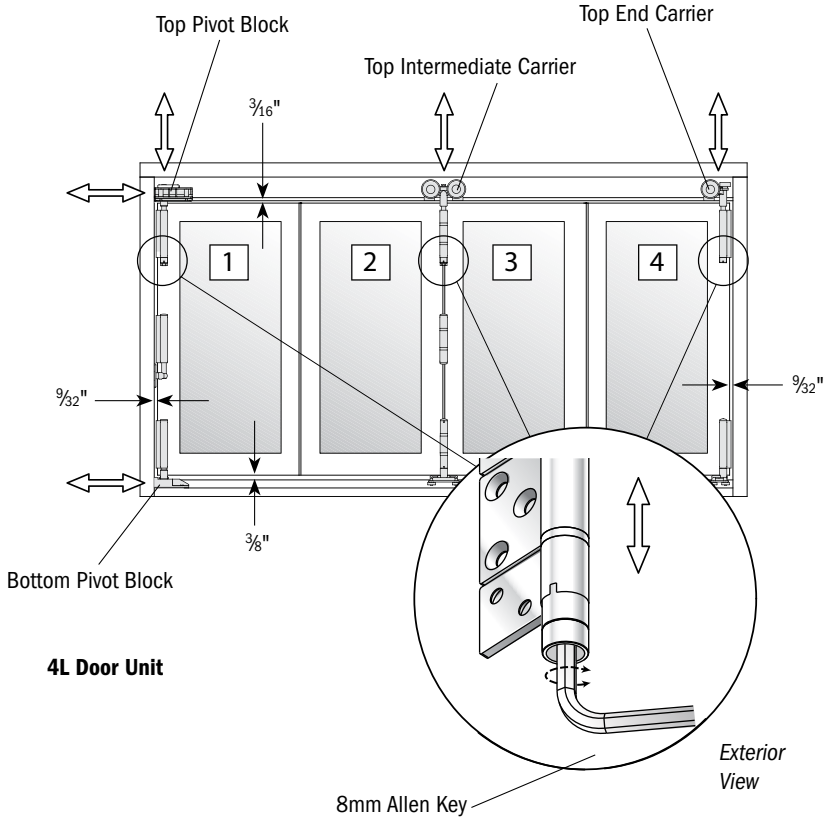
Gap dimensions between panels and frame are approximate. Panels must be level, have proper weatherseal contact and operate properly.

- Attach first and second door panels together by installing flat or offset hinge set (depending on door configuration) between them using supplied (from hardware pack) #10 × 1 ½" flat head screws. Keep top and bottom of door panels flush. Check with level across top of door panels. Handles face interior (go between panels) when securing hinge(s) with handle(s).
- Secure remaining panels by installing panels to hardware at the track first then secure to adjacent panel with hinges.
- Check for consistent 3⁄16" gap between door panels and head jamb and 3⁄8" gap between door panels and sill. Adjust top pivot block(s), top intermediate carriers and top end carriers as needed. Keep door panels plumb and level. Lift door panel(s) to remove weight from top carriers and pivot blocks when adjusting.
- Check for a consistent 9⁄32" gap between door panels and side jambs. Adjust pivot blocks as required.



2L Door Unit

Exterior View



4L Door Unit

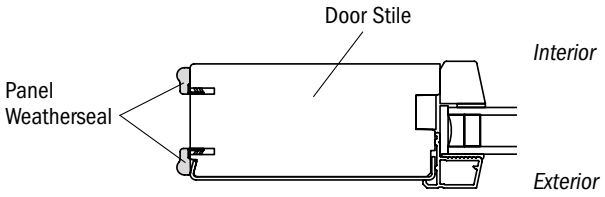
Exterior View

8. Install Weatherseals in Panels

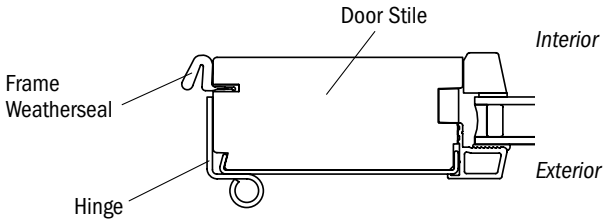
- Install panel and frame weatherseals in weatherseal grooves along edges of door panels. Cut panel weatherseals around hinges. Panel weatherseals should be ⅛" above top of door panel and ⅛" below bottom of door panel. (Panel weatherseal should be ¼" longer than height of door panel.)
- Install supplied foam pad between panel weatherseals at the top of door panels. Foam pad should be ⅛" above door panel. Trim pad if required. See drawing for orientation.
- See chart and drawings for type and locations of weatherseals.

Door Panel Weatherseal Locations

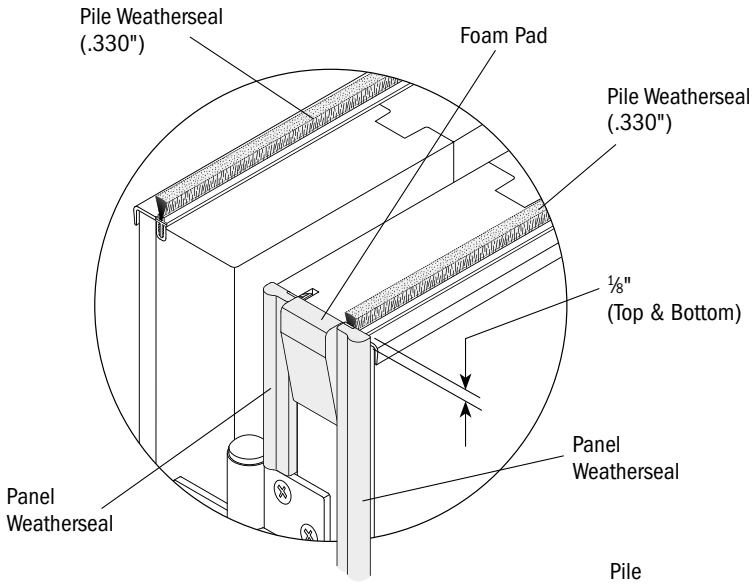
Weatherseal	Drawing	Where Used
Panel		-between door panels
Frame		-on door panel stiles adjacent to jambs -on edge of leading door panels when adjacent to another leading door -in astragals
Pile - .330"		-on active door panel stile beside hardware -top of all door panels
Pile - .460"		-bottom of all door panels

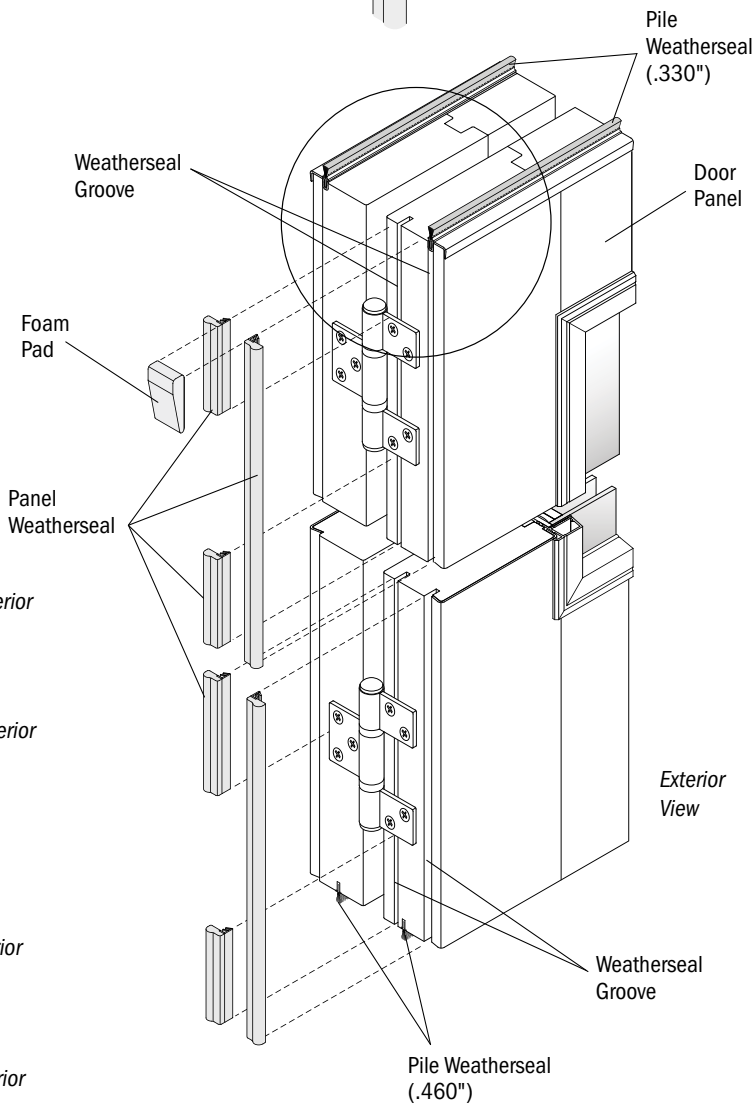


Orientation of Panel Weatherseals on Door Panels (Top View)



Orientation of Frame Weatherseal on Leading and Jamb Panels (Top View)



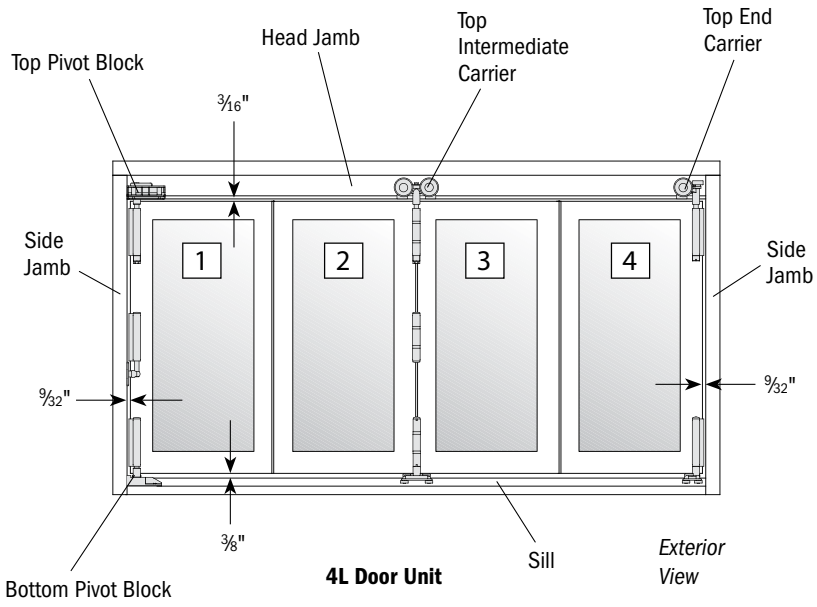


9. Check Clearance and Operation

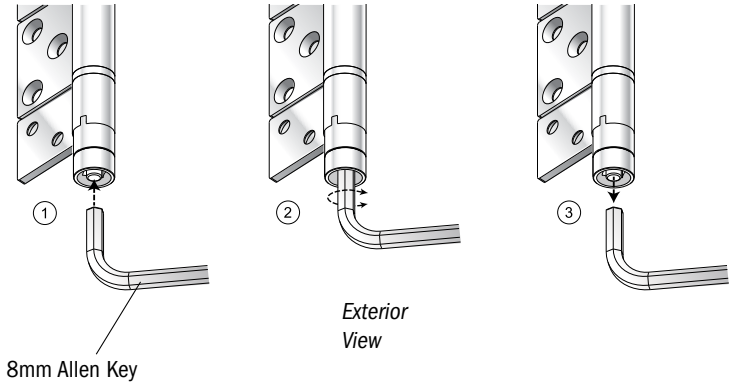
- Check operation of door unit by opening and closing door panels.
- Check clearance around door panels when closed. Adjust carriers and pivots blocks as required.

IMPORTANT

After 1-4 weeks of operation, check clearance and operation of door panels. Adjust pivot blocks and carriers as needed. Check head track screws. Tighten head track screws to maintain a level head track.



4L Door Unit



Top Intermediate Carrier Shown

10. Install Magnetic Catches

⚠ WARNING

Use caution when handling the magnets. The magnets have a strong attraction force and if placed close to each other will snap together. This could cause personal injury.

CAUTION

Large magnetic catches are installed on active or passive panels and adjacent panels. This is to stop handle from hitting adjacent panel when opened. Large magnetic catches must be positioned to provide enough clearance between panels for the hardware handle. Verify position of magnetic catches and handle clearance before installation. Failure to install or properly position magnetic catches will result in property damage.

IMPORTANT

Provided magnetic catches are for installation on the exterior. Magnetic catches can be installed on the top or bottom of panels. The provided Installation Layout shows which panels get magnetic catches.

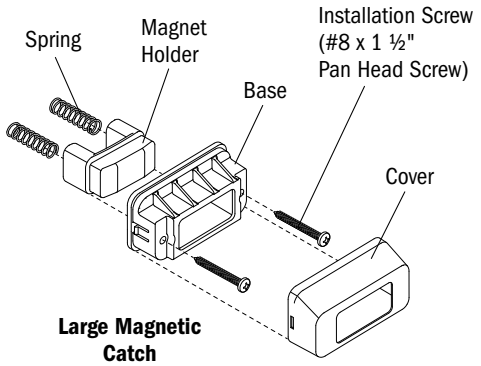
IMPORTANT

When measuring panels with astragals for magnetic catch location, do not include the astragal in the measurement.

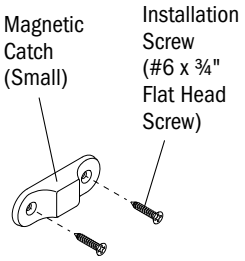
IMPORTANT

Make sure the magnetic catches you place on opposing door panels attract not repel each other.

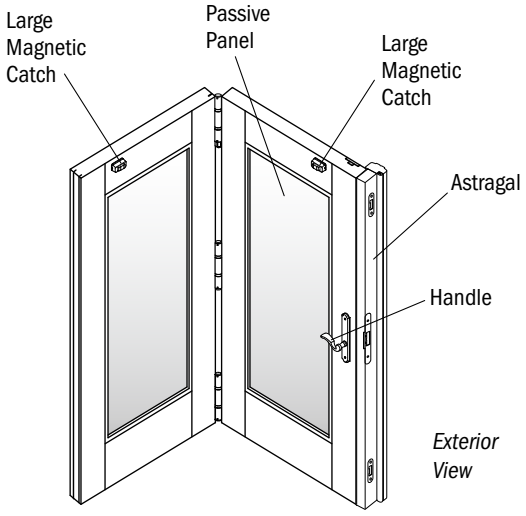
- Remove cover from large magnetic catches with a flat blade screwdriver. Push the tabs in on both sides of the magnetic catch and separate the cover from the base. Do not lose any parts.

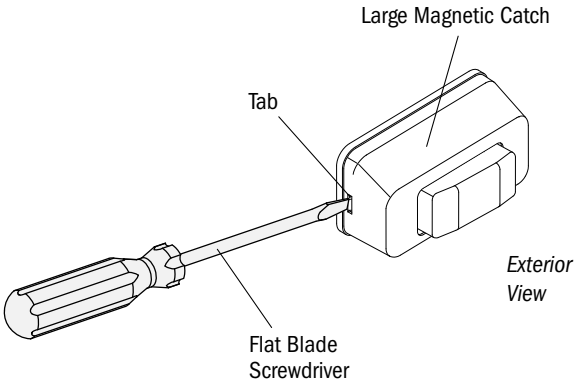


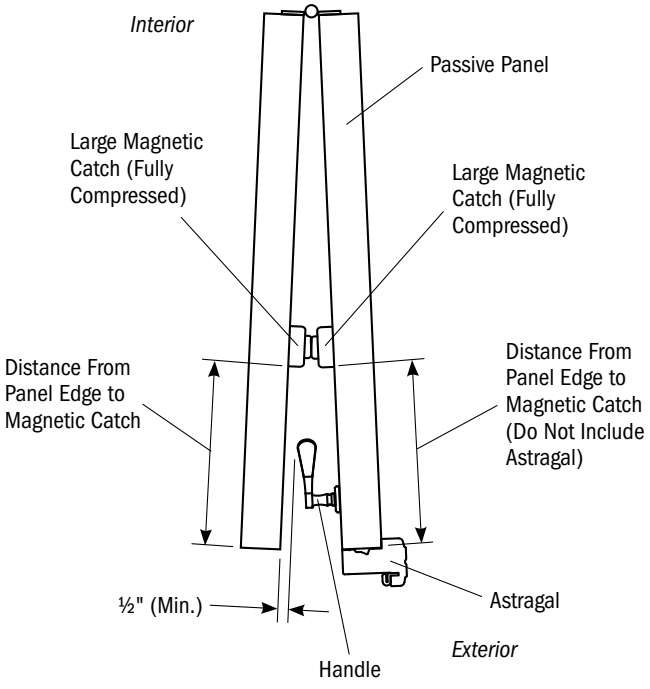
Large Magnetic Catch



Small Magnetic Catch







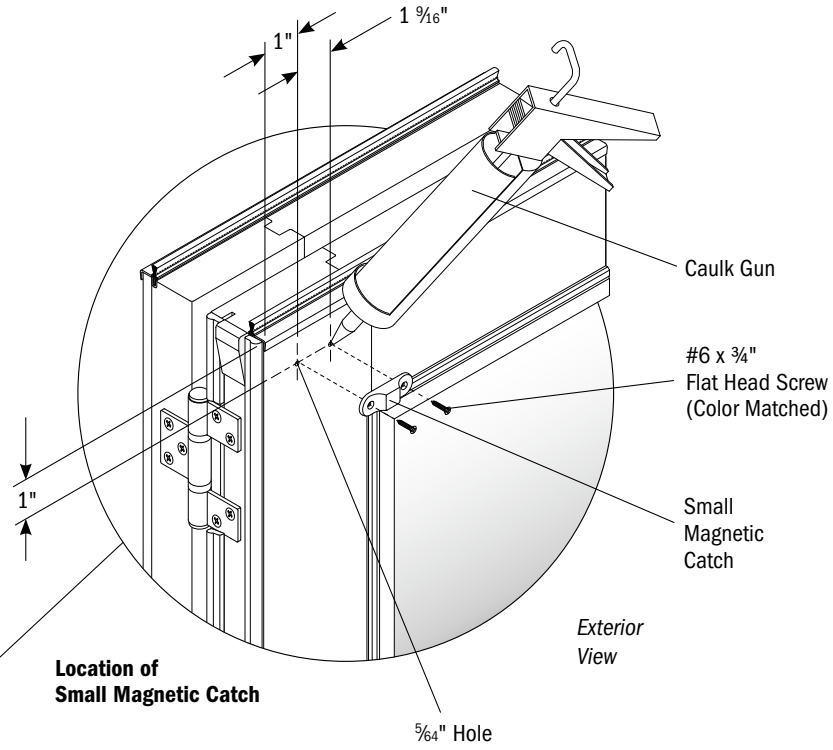
Passive Panel - Handle Clearance Top View

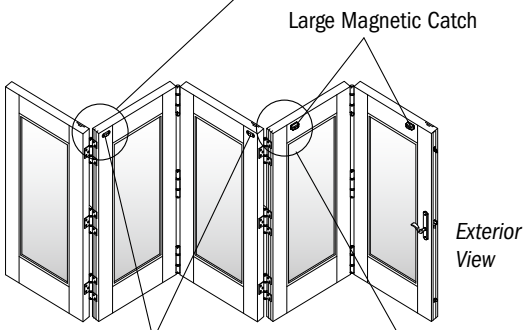
10. Install Magnetic Catches (continued)

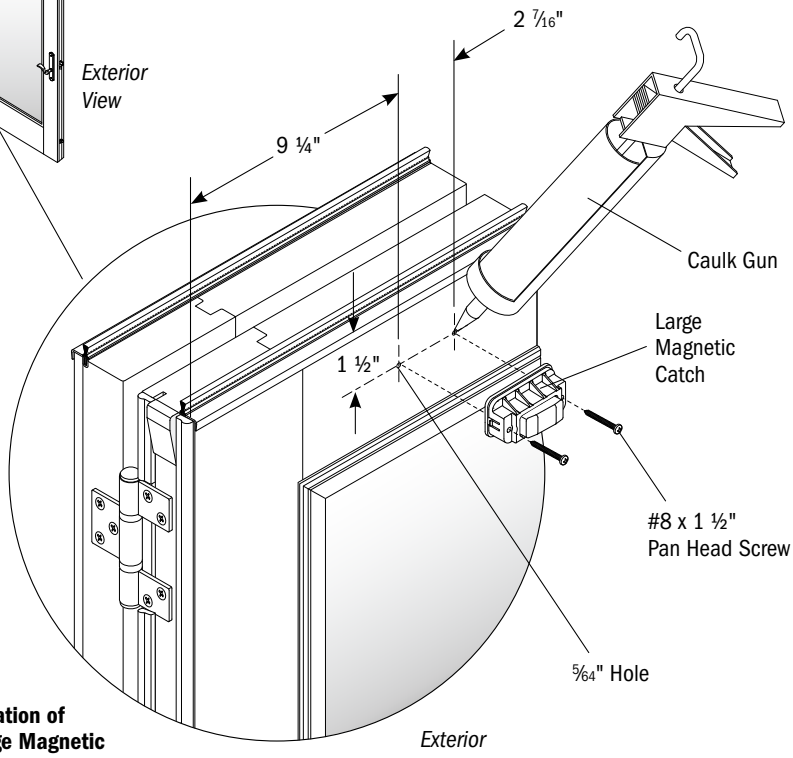
IMPORTANT

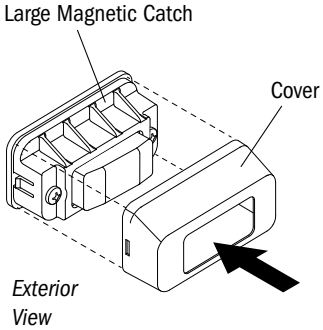
This specified position of the large magnetic catches is for Andersen® provided handles only. Adjust position of magnetic catches for other handles.

- Predrill door panels with 5⁄64" drill bit by 1" deep based on small or large magnetic catch hole locations. See drawings. Measurements for hole locations are taken from edge of panel. Use a level to check that holes are level on panel.
- Inject a small amount of color matched silicone into each hole.
- Secure magnetic catches to door panels with provided screws. Make sure springs stay in location in large magnetic catches.
- Snap covers back onto large magnetic catches.









11. Install Trim Set(s)

For Active and Passive Doors

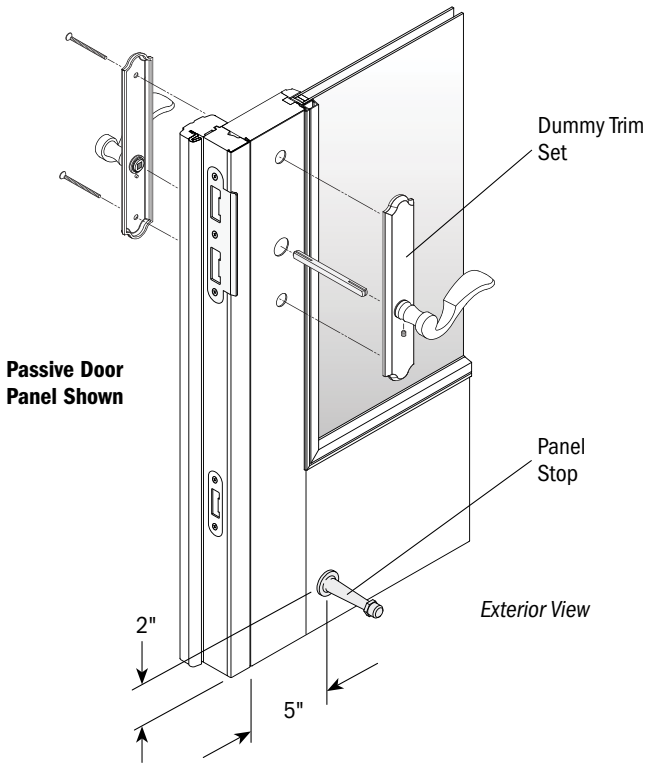
CAUTION

If not installing large magnetic catches, the panel stop must be installed to protect the hardware and panels. Failure to properly position magnetic catches or panel stop will result in property damage.

IMPORTANT

Construction lock available for operation of door unit during construction period.

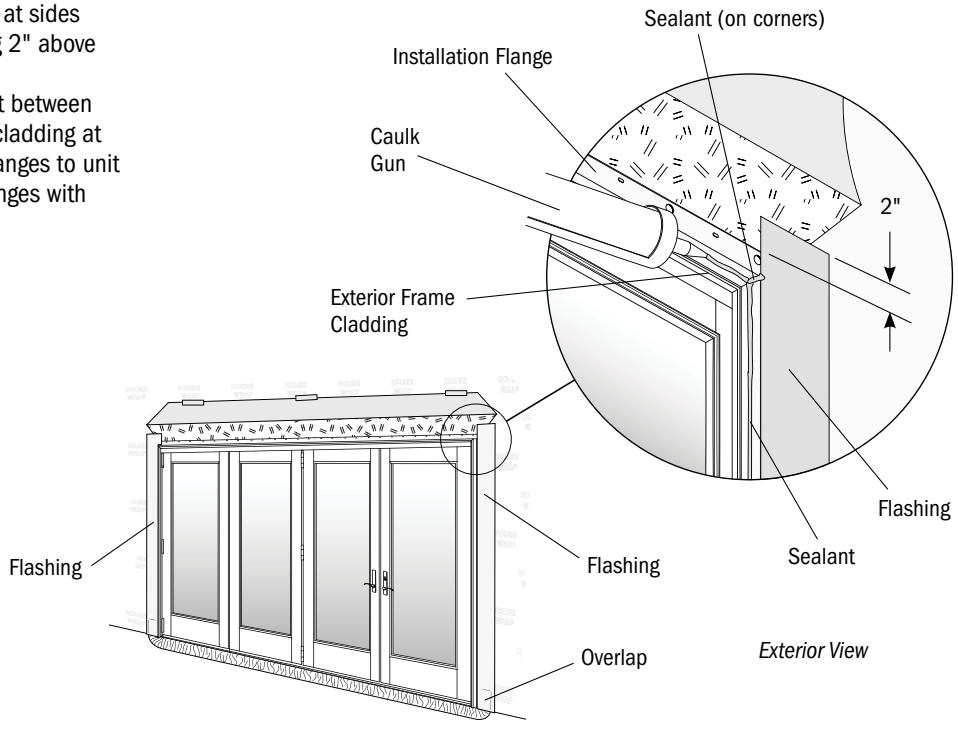
- For factory supplied multi-point trim set, install trim set as directed by supplied instructions. For dummy trim set, follow instructions for passive trim set.
- Install panel stop(s) on exterior of door panel(s) with trim set(s) to protect trim set and adjacent door panel. Panel stop(s) can be installed on panel with trim set or adjacent panel and at head or sill.



Passive Door Panel Shown

12. Flash and Seal Unit

- Apply flashing over installation flanges at sides overlapping sill flashing and extending 2" above head installation flange.
- Apply a continuous ⅜" bead of sealant between installation flange and exterior frame cladding at sides and head, sealing installation flanges to unit frame. Seal corners of installation flanges with sealant.



If installing brickmould proceed to **Page 29**.

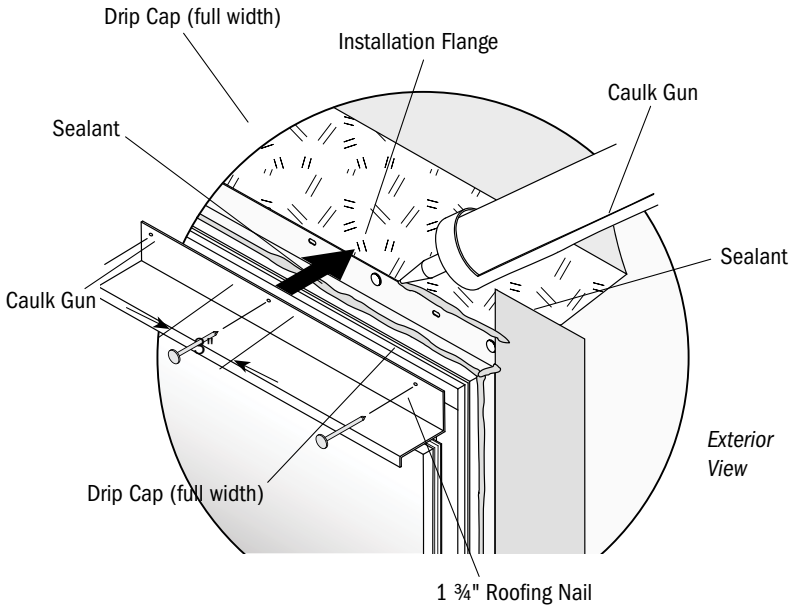
12. Flash and Seal Unit (continued)

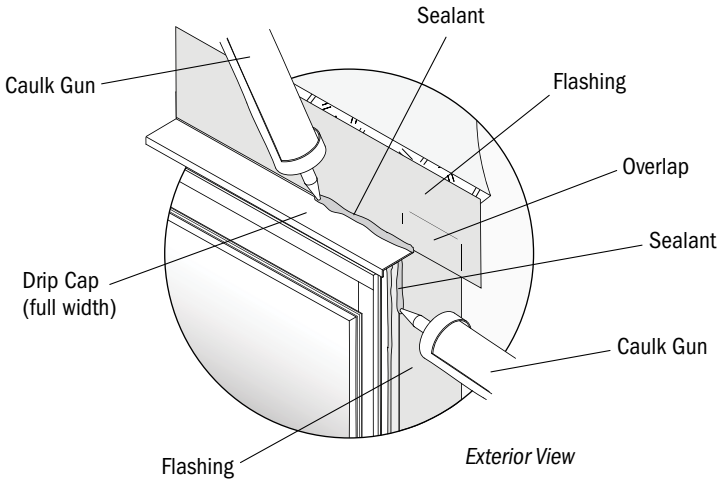
Unit Without Brickmould

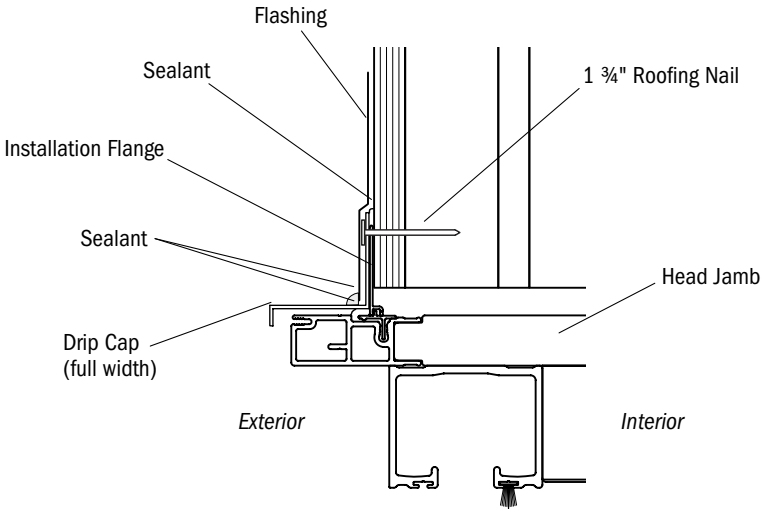
With Drip Cap (full width)

If not installing drip cap (full width), proceed to next section - **Without Drip Cap (full width).**

- Apply ⅜" bead of sealant along top edge of head installation flange.
- Place drip cap (full width) in sealant at head, centered over unit. Secure to building structure using 1 ¾" roofing nails through the predrilled holes. If drip cap (full width) requires more than 1 piece, overlap 3" and apply sealant between overlapped pieces.
- Apply flashing over drip cap (full width) leg at head overlapping flashing at sides.
- Apply sealant between flashing and unit frame down sides and between flashing and drip cap (full width) along head.



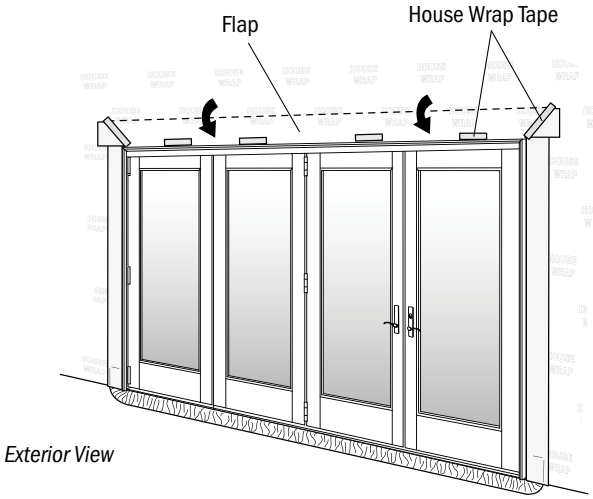




12. Flash and Seal Unit (continued)

Unit Without Brickmould
With Drip Cap (full width) (continued)

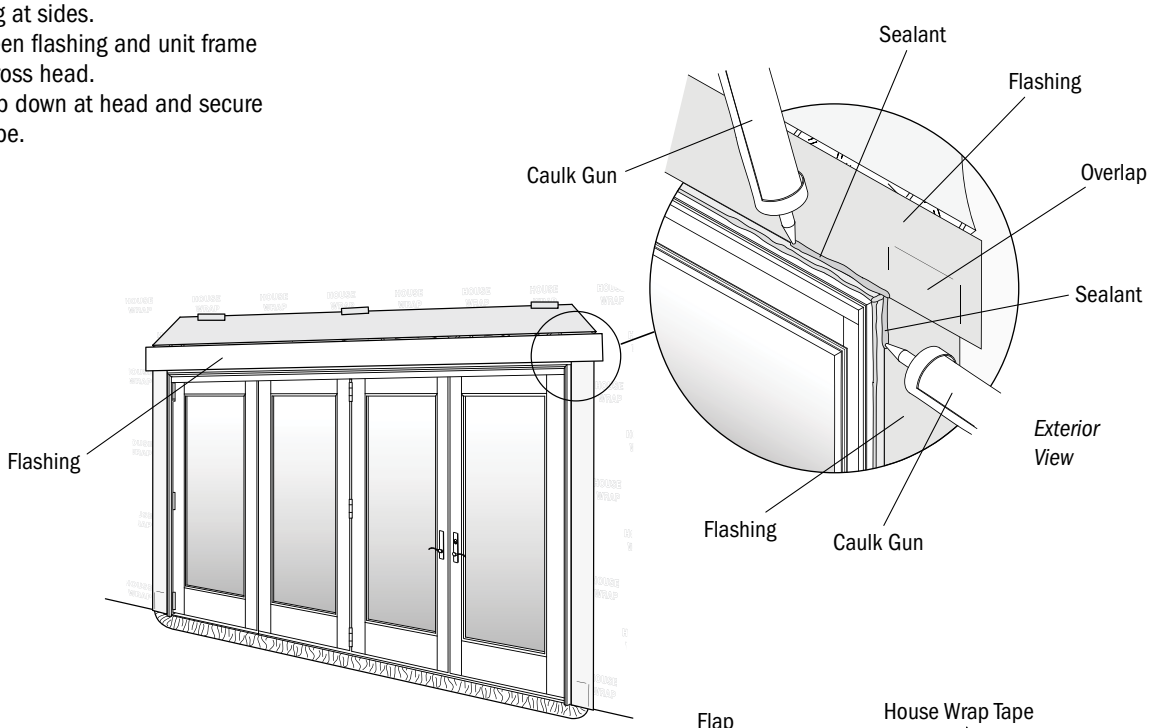
- Fold house wrap flap down at head and secure with house wrap tape.



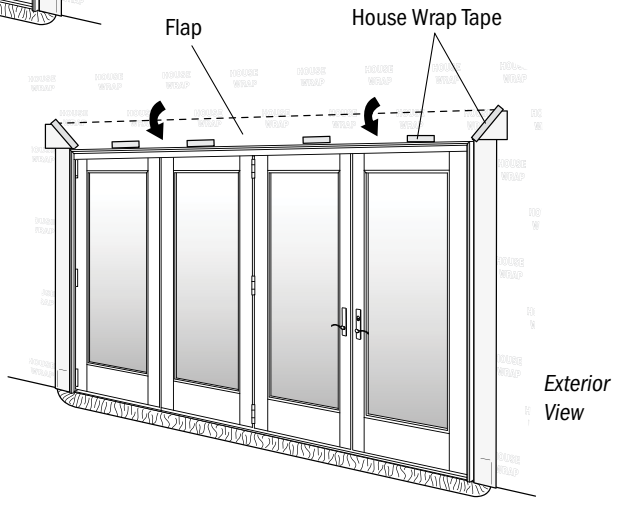
Exterior View

Unit Without Brickmould
Without Drip Cap (full width)

- Apply flashing over installation flange at head overlapping flashing at sides.
- Apply sealant between flashing and unit frame down sides and across head.
- Fold house wrap flap down at head and secure with house wrap tape.



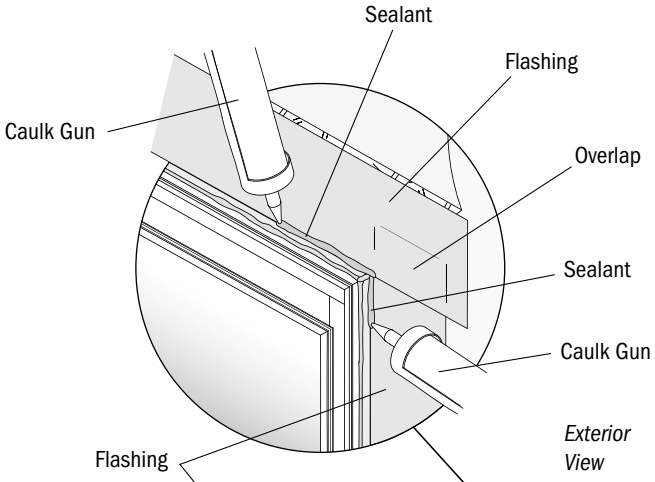
3L1R Door Unit



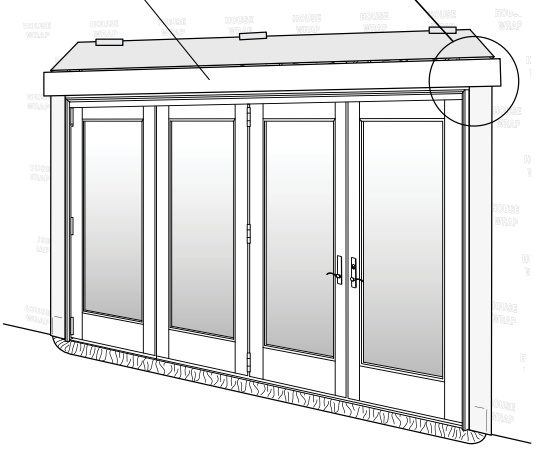
12. Flash and Seal Unit (continued)

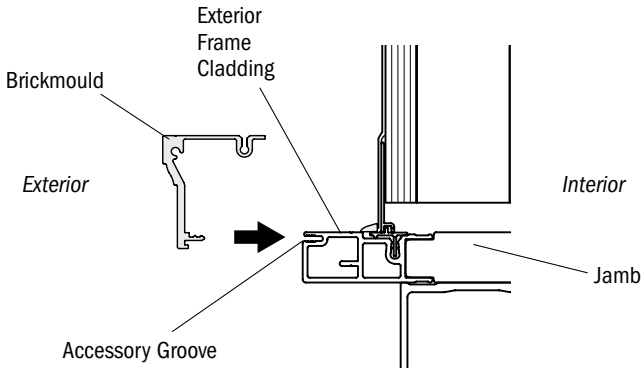
Unit With Brickmould

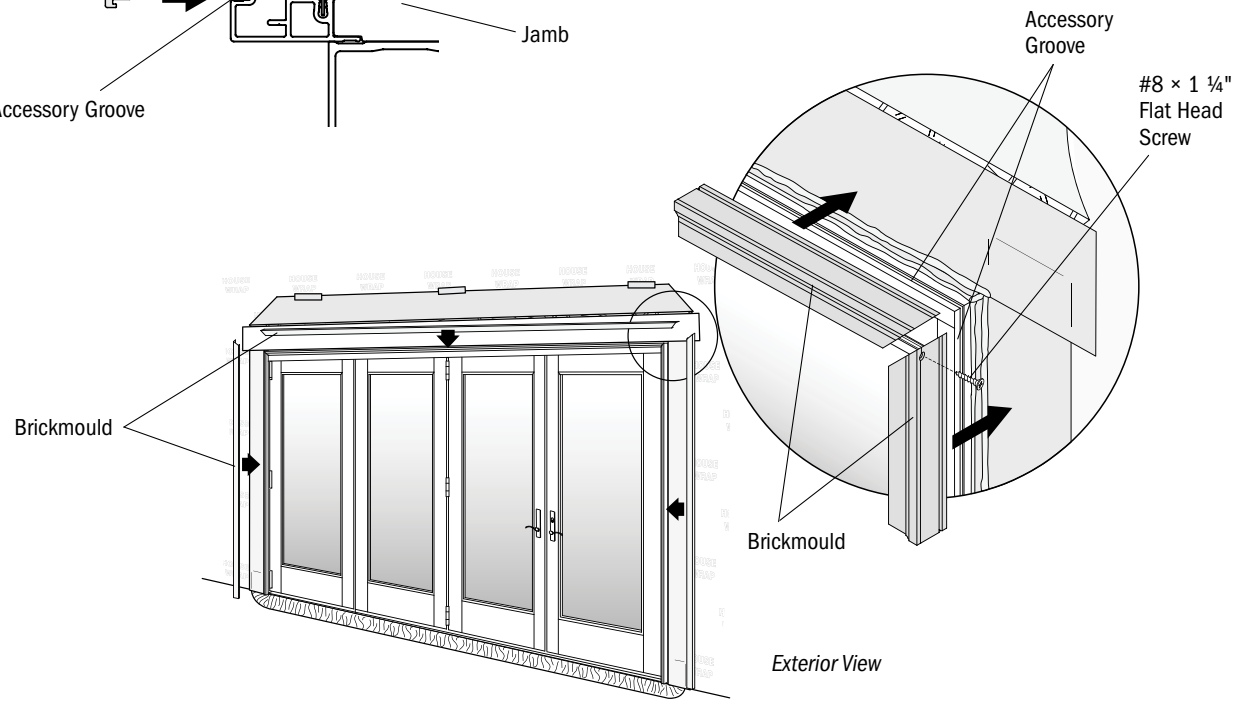
- Apply flashing over installation flange at head overlapping flashing at sides.
- Apply sealant between flashing and unit frame down sides and across head.
- Install brickmould by aligning brickmould with edges of head and side frames. Tap brickmould into accessory groove with hammer and wood block.
- Secure corners of brickmould through predrilled holes with supplied (from screw pack) #8 × 1 ¼" flat head screws.



3L1R Door Unit





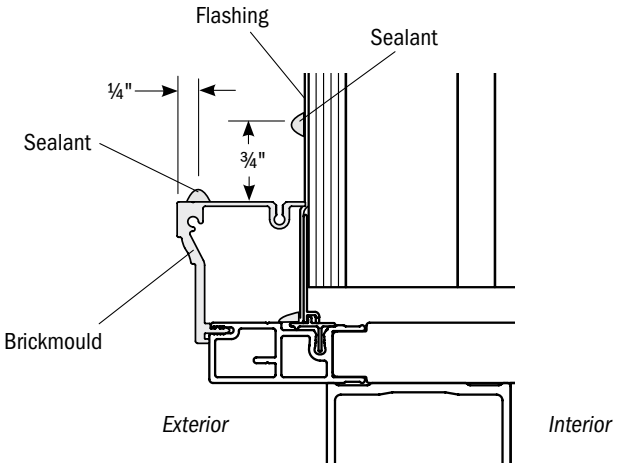


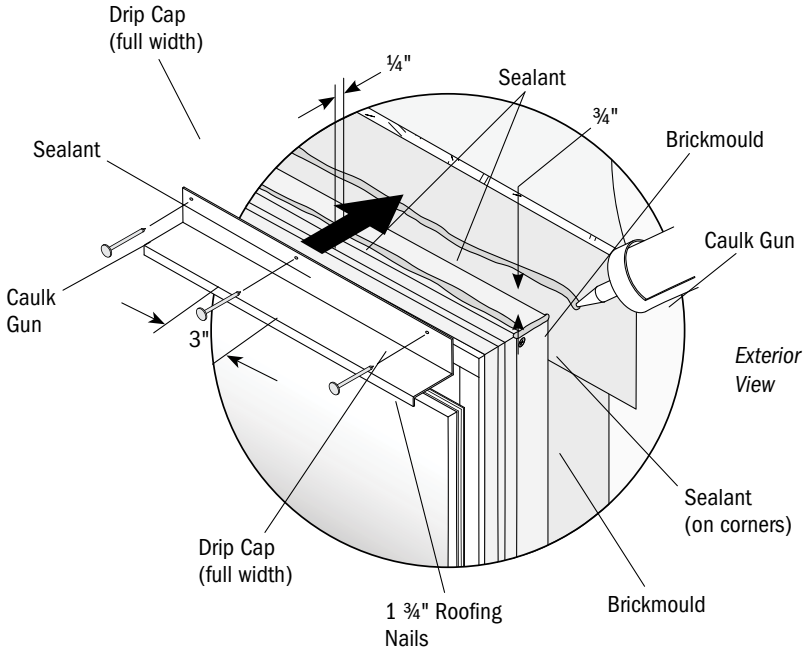
12. Flash and Seal Unit (continued)

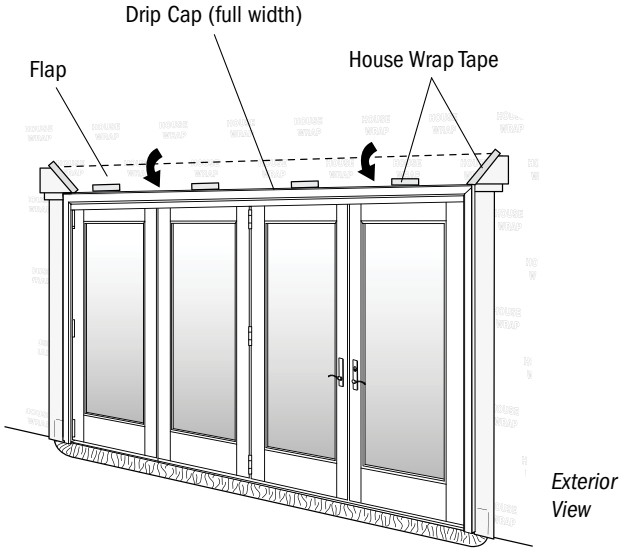
Unit With Brickmould
With Drip Cap (full width)

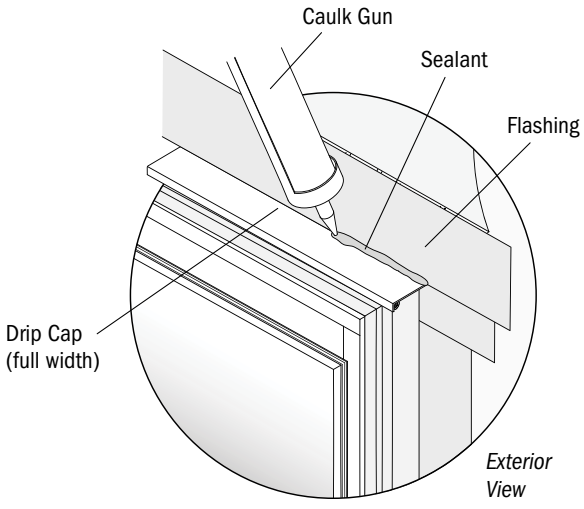
If not installing drip cap (full width), proceed to next section - **Without Drip Cap (full width)**.

- Apply ⅜" bead of sealant ¾" above head brickmould and along top of head brickmould ¼" from front edge. Apply sealant across top corners of brickmould. See drawing for locations.
- Place drip cap (full width) on brickmould and center over unit. Secure drip cap (full width) to building structure using 1 ¾" roofing nails through predrilled holes. If drip cap (full width) requires more than 1 piece, overlap 3" and apply sealant between overlapped pieces.
- Apply flashing over drip cap (full width) leg at head.
- Apply sealant between flashing and drip cap (full width).
- Fold house wrap flap down to drip cap (full width) and secure with house wrap tape.





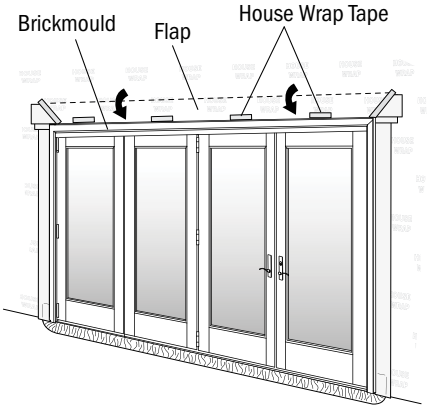




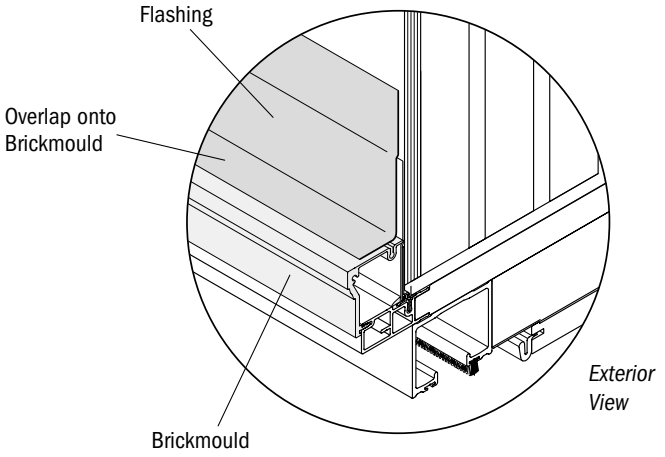
12. Flash and Seal Unit (continued)

Unit With Brickmould
Without Drip Cap (full width)

- Apply flashing over brickmould at head. Overlap flashing onto top of brickmould.
- Fold house wrap flap down to brickmould and secure with house wrap tape.



Exterior View



13. Insulate Unit

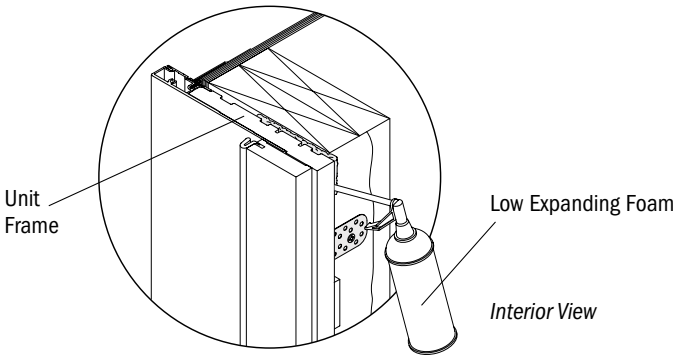
CAUTION

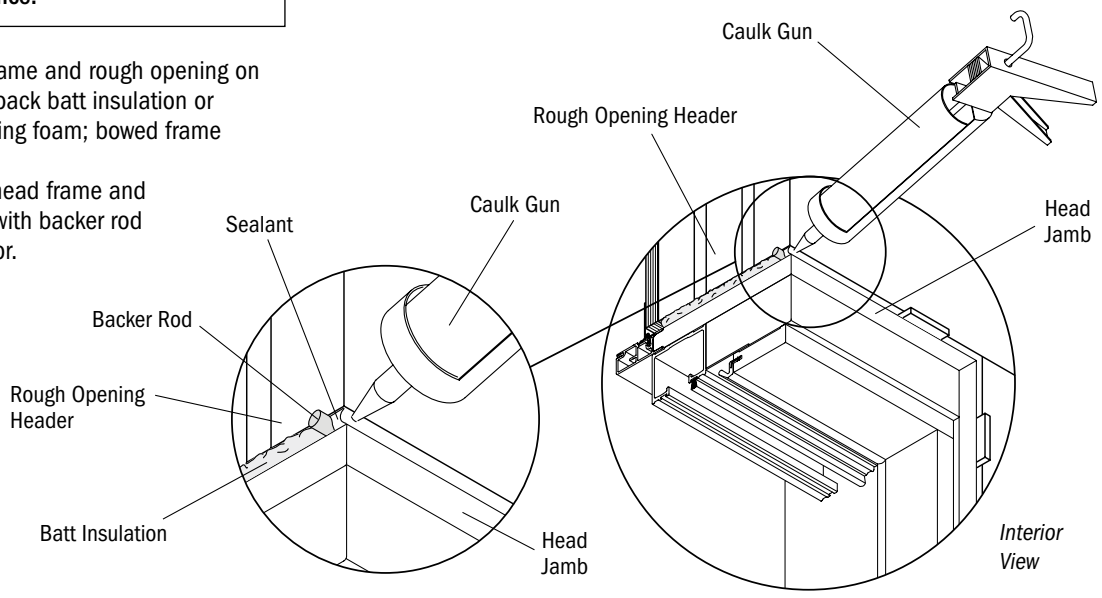
When insulating between unit frame and rough opening, or between units when joining, do not overpack batt insulation or overfill with foam. Bowed jambs will result affecting product performance and/or proper operation of unit.

CAUTION

Only use batt insulation between unit head jamb and rough opening header. Using expanding foam between head jamb and rough opening header will affect product performance.

- Insulate between unit frame and rough opening on all sides. **DO NOT** overpack batt insulation or overfill with low expanding foam; bowed frame may result.
- Seal gap between unit head frame and rough opening header with backer rod and sealant from interior.



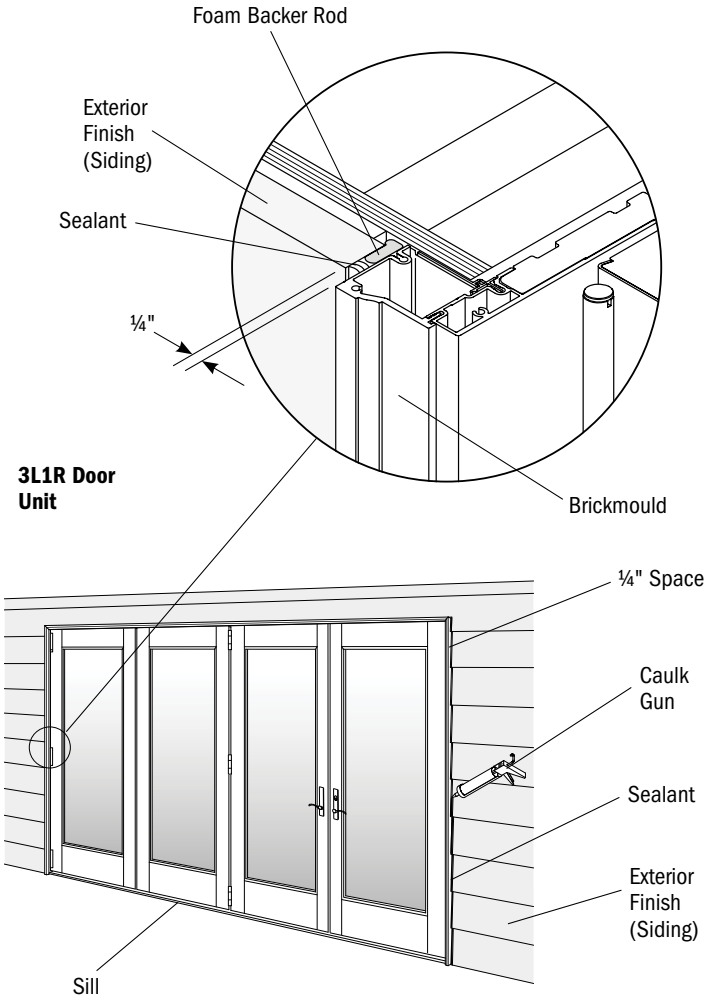


14. Apply Exterior Finish and Seal

IMPORTANT

Use foam backer rod to seal and reduce depth of gap before filling with sealant. Follow sealant manufacturer's instructions.

- Apply exterior finish leaving ¼" space between exterior door frame cladding or brickmould and exterior finish.
- Apply foam backer rod and a continuous bead of sealant around exterior perimeter of head and side jambs between exterior door frame cladding or brickmould and exterior finish, filling the ¼" space.



Exterior View