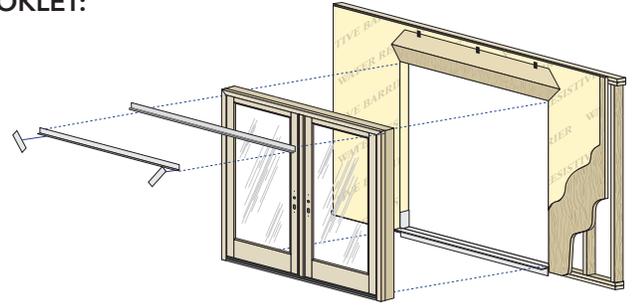




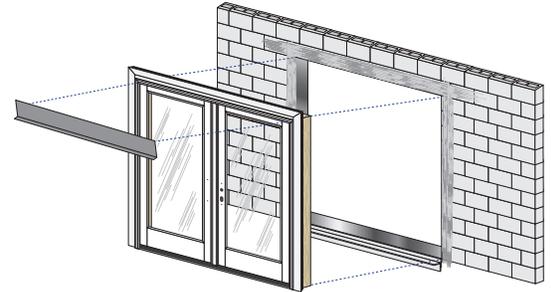
PELLA INSTALLATION INSTRUCTIONS BRICKMOULD AND FLUSH FLANGE HINGED DOORS

THE FOLLOWING INSTALLATION METHODS ARE INCLUDED IN THIS BOOKLET:

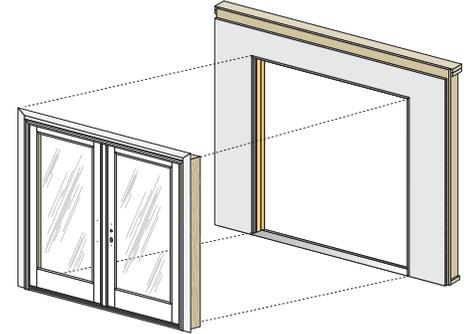
New Construction Installation of Wood Brickmould Doors in Wood Framed Walls After Building Wrap



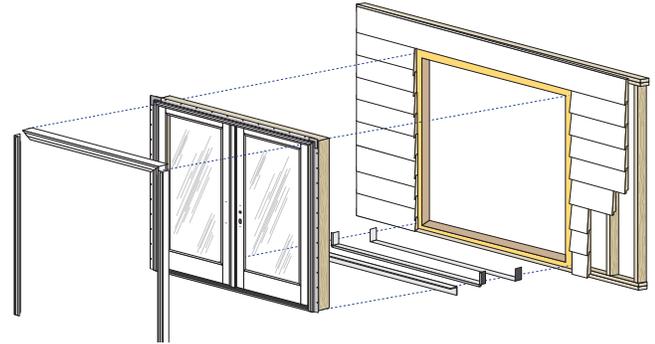
Brickmould or Flush Flange Hinged Doors into Masonry Openings with Wood Bucks



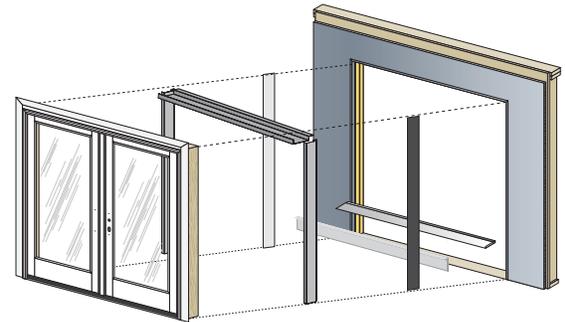
Pocket Replacement with Flush Flange



Full Frame Replacement of Wood Brickmould Products with Wood Brickmould Products or Pella® EnduraClad® Exterior Trim



Full Frame Replacement in Stucco with Flush Flange



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



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



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

WARNING: To ensure safety and security and help prevent property damage, including possible damage to your window or door, close and lock windows and doors any time they are not being used for venting on a nice day, and particularly during high winds or rain.

IMPORTANT NOTICE

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

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

Care and Maintenance

Care and maintenance information is available by contacting your local Pella retailer. This information is also available at www.Pella.com.

Cleaning Instructions

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

FACTORY FINISHED PRODUCT: Pella Product that has been prefinished with stain or paint from the factory requires no additional finishing. Clean the surface with mild soap and water.

PELLA® ALUMINUM CLAD OR IMPERVIA FRAMES: The interior and exterior frame and panels are protected with a tough factory finish. Clean this surface with mild soap and water. Stubborn stains and deposits may be removed with mineral spirits. DO NOT use abrasives. DO NOT scrape or use tools that might damage the surface.

ENCOMPASS BY PELLA® DOOR FRAMES: The vinyl frame may be cleaned using the same method as the glass. For stubborn dirt, a "non-abrasive" cleaner such as Bon-Ami® or Soft Scrub® may be used. Do not use solvents such as mineral spirits, toluene, xylene, naphtha or muriatic acid as they can dull the finish, soften the vinyl and/or cause failure of the insulated unit seal. Keep door tracks clear of dirt and debris. Keep weep holes open and clear of obstructions.

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

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

Finishing Instructions (Wood Patio Doors and Fiberglass Entry Doors)

Paint or finish immediately after installation.

If products cannot be finished immediately, cover with clear plastic to protect from dirt, damage and moisture. Remove any construction residue before finishing. Sand all wood surfaces lightly with 180 grit or finer sandpaper. DO NOT use steel wool. BE CAREFUL NOT TO SCRATCH THE GLASS. Remove sanding dust. Pella products must be finished according to these instructions; failure to follow these instructions voids the Limited Warranty. Finishing panel edges is optional for Patio Doors.

Note: To maintain proper product performance do not paint, finish or remove the weatherstripping, mohair dust pads, gaskets or vinyl parts. Air and water leakage will result if these parts are removed. After finishing, allow venting Doors and doors to dry completely before closing them. If paint, stain or finish gets on the weatherstripping, wipe it off immediately with a damp cloth.

Panel Cleaning and Prep Instructions for Unfinished or Primed Panels: Dry wipe dust from doors gently. Examine door for possible smudges or fingerprints made from normal handling or construction. To remove smudges, lightly wipe surface with warm water. DO NOT sand surface of fiberglass panel. Scuff sand with light grade sand paper or abrasive pad (220 grit or higher). Rinse surface with mineral spirits for fiberglass panels and warm water for steel panels. Let door and sidelight surfaces dry completely before applying finish. Finish the door panels as soon as possible after installation.

STAINING FIBERGLASS PANELS OR UNFINISHED INTERIOR FRAME MEMBERS: Fiberglass door and sidelight panels may be stained with a gel stain if a wood look is desired. Pella offers stain kits in a variety of colors. Apply and finish per the stain kit manufacturer's instruction. Ensure that all exposed panel edges are finished to minimize the chance of damage.

Unprimed interior frame parts may be stained with wood stains and should be finished with a minimum of two coats of a clear polyurethane finish. DO NOT bridge the top coat between the outer edge of the glazing frame and the door panel.

Note: The fiberglass base color tone will vary. This variance is normal and will not impact the stain color of the door.

PAINTING INSTRUCTIONS: Wood door frame exteriors, premium steel door panels and sidelights are factory primed. Wood doors require painting immediately after installation. The factory applied primer is not intended for long term exterior exposure. Sand all un-primed interior wood surfaces lightly with 180 grit or finer sandpaper before priming and painting. Fiberglass door and sidelight panels do not require priming. Use two coats of a 100% latex paint that has a good blocking resistance. On units with glass, do not bridge paint between the outer edges of the glazing frame and the door panel. On fiberglass products, brush the paint in the same direction as the simulated wood grain. For entry doors, ensure that all exposed panel edges are finished to minimize the chance of panel damage. Finishing panel edges is optional for Patio Doors.

Pella Corporation is not responsible for interior paint and stain finish imperfections for any product that is not factory-applied by Pella Corporation. For additional information on finishing see the Pella Owner's Manual or go to www.Pella.com.

The use of unapproved finishes, solvents or cleaning chemicals may cause adverse reactions with door materials. Pella will not be responsible for problems caused by the use of unapproved materials. If in doubt, contact your local retailer or representative.

Exterior Finish of Existing Frame (Pocket Replacement)

It is the responsibility of the homeowner, contractor or installer to ensure any exposed unfinished wood is covered or finished. Possible methods include, however are not limited to, covering with aluminum coil stock or painting.



FULL FRAME OR PANEL REMOVAL WHEN PREPARING TO INSTALL A NEW DOOR WITH BRICKMOULD OR FLUSH FLANGE

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

TOOLS REQUIRED:

- Utility knife 
- Pry bar 
- Hammer 
- Deglazing wheel 
- Phillips and Standard screwdrivers 
- Reciprocating saw 
- Putty knife 
- Heat gun 

**REMEMBER TO USE APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT.
APPLY ADHESIVE FILM OR DUCT TAPE TO THE GLASS TO PREVENT BREAKAGE.**

ALUMINUM PANEL AND/OR FRAME REMOVAL

- A. **Score the paint or varnish** between the interior trim and the wall or between the drywall return and the door frame to minimize damage. (Frame removal only).
- B. **Remove the interior trim.**
- C. **Score the sealant or paint** between the exterior siding or brick and the door frame.
- D. **Remove the screen and vent panel** from the old door. If it is not removable, see steps G-I.
- E. **Remove the division bar** by removing the screws at the ends or cutting it with a reciprocating saw.
- F. **Remove the other panel.** Remove any screws holding the fixed panel. Slide it and lift it out of the frame.

If the panels are not removable or the glass is sealed to the frame:

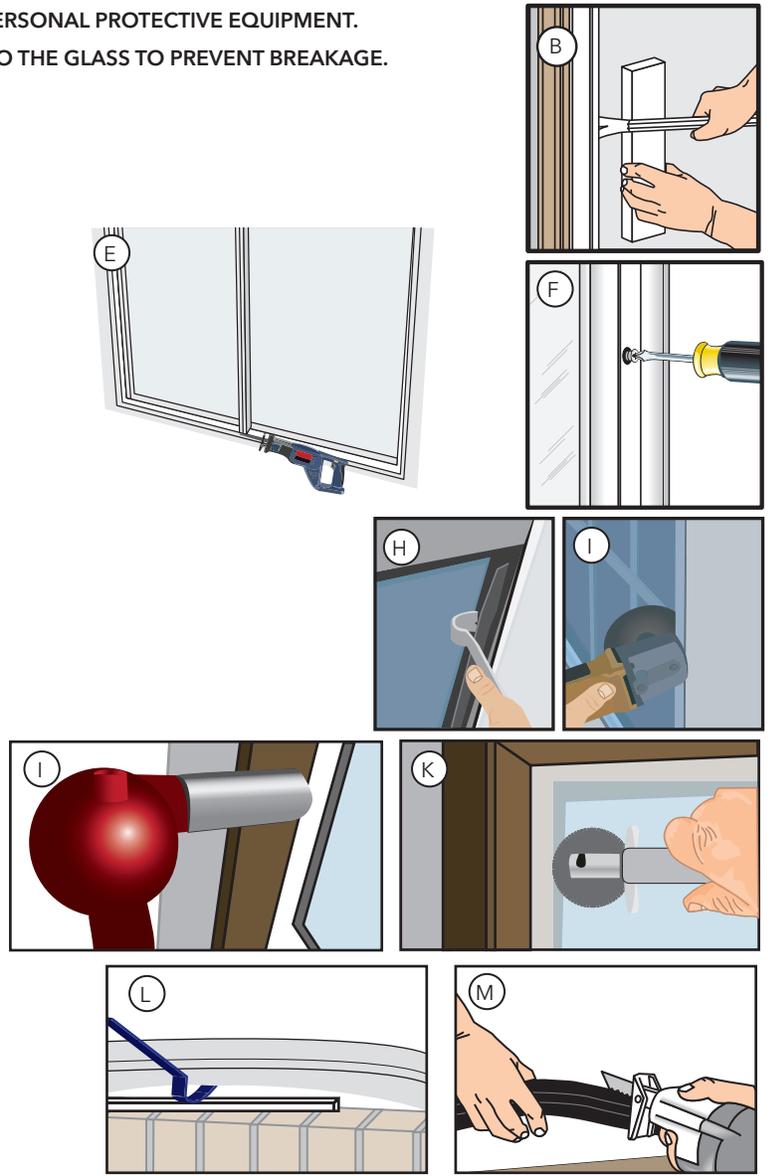
- G. **Remove the glazing bead** using a putty knife or small pry bar.
- H. **For single pane doors with divided lights (grids).** Use an angle grinder with a cut-off wheel to cut the end of the bars where they intersect with the sash or frame. This will allow the door glass to be removed more quickly.
- I. **Heat the glazing seal** using an electric heat gun.

- J. **While applying heat,** press a de-glazing wheel between the glass and panel or frame. Continue around the perimeter of the panel. Apply light, constant pressure to separate the glass from the panel or frame. Dispose or recycle of the glass properly.

NOTE: Wear appropriate personal protective equipment and keep the heat source away from flammable materials.

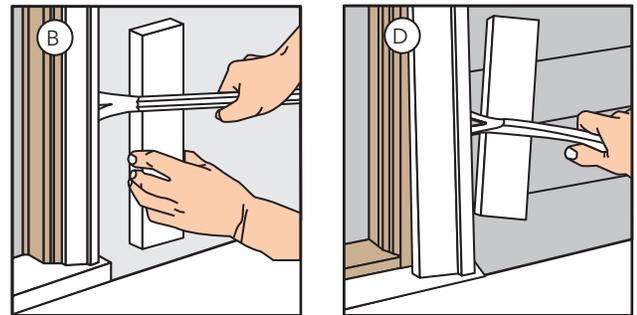
Stop here for pocket replacement, complete steps K-M for full frame replacement (Not applicable for flush flange pocket replacement).

- K. **Cut through the frame** using a reciprocating saw.
- L. **Pry the frame away from the brick or siding.** Use a block of wood under the pry bar to protect interior or exterior finishes.
- M. **Cut through the frame using a reciprocating saw.** Dispose or recycle the frame materials properly.



BRICKMOULD FRAME REMOVAL

- A. **Score paint or varnish** between the interior trim and the wall with a sharp utility knife.
NOTE: This will minimize the damage to the interior wall and trim.
- B. **Remove the interior trim.** Remove the interior trim from all the four sides of the door including the stool at the bottom of the door. If the interior trim is being reused, pull the nails out through the back side of the board with nipper pliers.
- C. **Cut the exterior sealant** line between the exterior brickmould or trim and the exterior siding or wall cladding.
- D. **Remove the exterior brickmould or flat trim.**
Remove hinge and strike screws.
NOTE: DO NOT disturb existing head flashings.
- E. **Remove the door frame.**



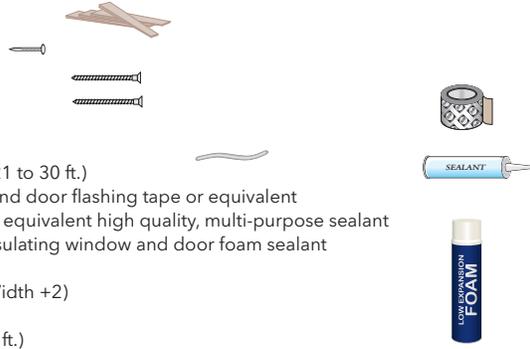
Consult with local providers and authorities to recycle or properly dispose of old door components.



PREPARING FOR HINGED DOOR INSTALLATION WITH WOOD BRICKMOULD OR ENDURACLAD EXTERIOR TRIM FOR REPLACEMENT

YOU WILL NEED TO SUPPLY:

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



Installation Clip Option:

- 6" or 8" installation clips
- #6 x 5/8" corrosion resistant flat head wood screws
- #8 x 1-1/2" corrosion resistant screws or 3/16" x 1-1/2" masonry screws



TOOLS REQUIRED:

- Tape measure
- Level
- Square
- Hammer
- Stapler
- Sealant Gun
- Scissors or utility knife
- Tin Snips
- Screwdrivers (#2 Phillips with 8" shaft and small flat blade)
- T20 Torx Wrench
- Drill
- Drill Bits 13/64" and 1/8" and masonry bit for concrete applications



OTHER CONSTRUCTION MATERIALS MAY BE REQUIRED.

READ AND UNDERSTAND THE INSTRUCTIONS AND INSPECT THE WALL CONDITIONS BEFORE YOU BEGIN.

INSTALLATION WILL REQUIRE (2) OR MORE PERSONS FOR SAFETY REASONS.

Store doors in upright position, out of direct sunlight.

ROUGH OPENING VERIFICATION

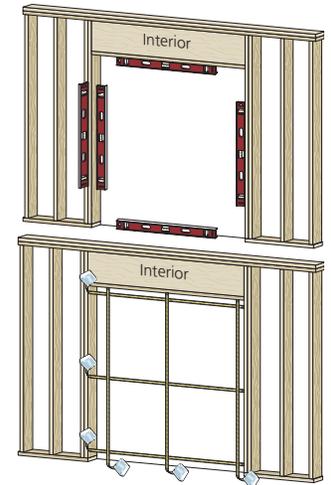
A. **Confirm the opening is plumb and level.**

Note: It is critical the bottom is level and it does not slope to the interior or exterior.

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

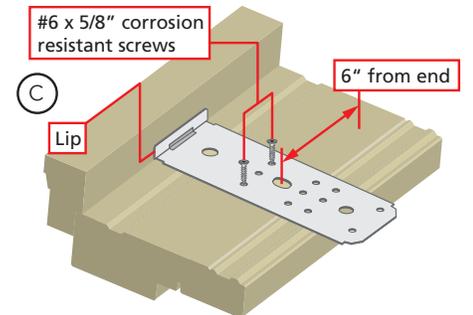
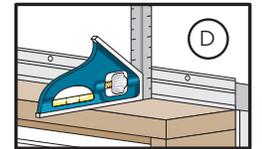
C. **Confirm the door will fit the opening.** Measure all four sides of the opening to make sure it is 1/2" to 3/4" larger than the door in both width and 1/2" larger in height. Measure the width and height in several places to ensure the header or studs are not bowed.

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



PREPARE THE DOOR FOR INSTALLATION

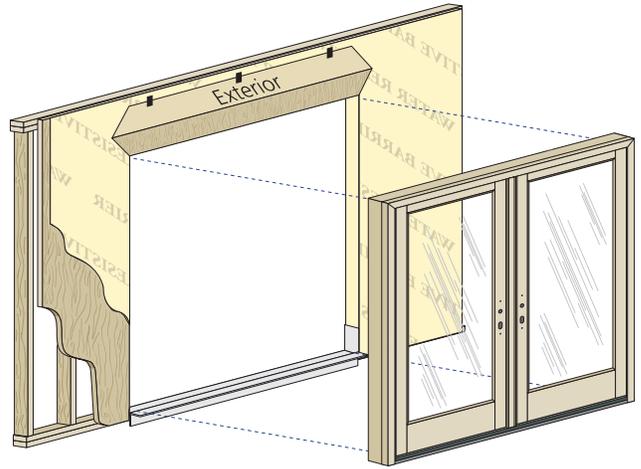
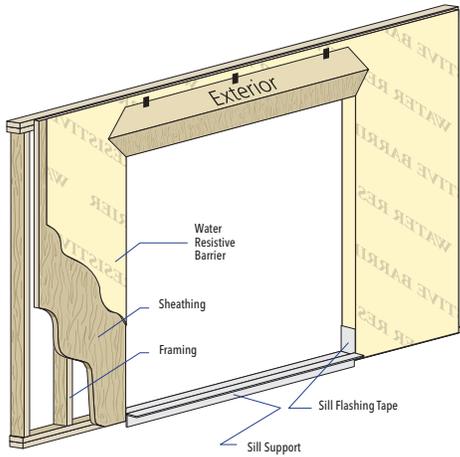
- Remove plastic wrap** and cardboard packaging from the door. DO NOT open the door until it is securely fastened. DO NOT cut the strap that goes from the lock holes to the sill of the door (if applicable).
- Inspect the product for any damage** such as cracks, dents or scratches. DO NOT install damaged products.
- Doors using clips:** Secure installation clips to the frame using (2) #6 x 5/8" corrosion resistant screws. Refer to the anchor instructions at the end of this booklet.
- Read the entire instruction before proceeding.**



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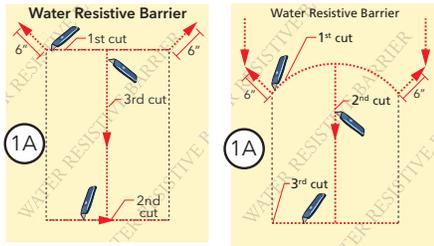
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1 PREPARE THE OPENING

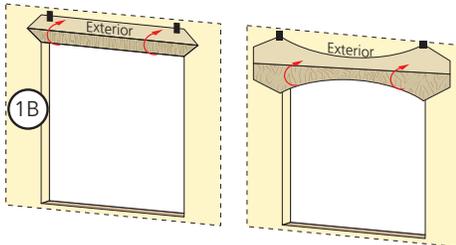
Refer to the installation preparation section at the beginning of this booklet.

A. Cut the building wrap.



B. Fold the building wrap

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



If using an optional sill pan, refer to the sill pan instruction page at the end of this booklet.

C. Cut 2 pieces of flashing tape 12" longer than opening width.

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

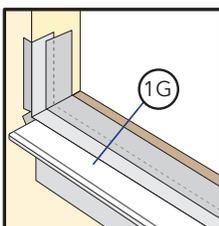
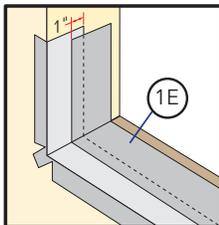
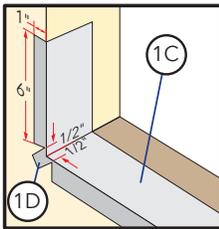
E. Cut 1" wide tabs at each corner by tearing the foil 1/2" each way from corner.

F. Apply sill flashing tape #2 overlapping tape #1 by 1" minimum.

Note: For In-Swing Doors with frame depth greater than 5", add a third piece of flashing tape so it comes within 1/4" of the interior of the door frame.

Note: Press all tape down firmly.

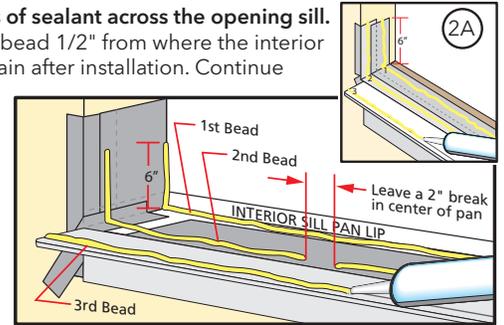
G. Attach a Pella aluminum sill support or wood blocking flush with the opening sill.



2 SETTING AND FASTENING THE DOOR

A. Place three 3/8" beads of sealant across the opening sill.

Place the interior-most bead 1/2" from where the interior of the door sill will remain after installation. Continue this bead 6" up each jamb. Place a second bead 1/2" from the exterior of the framing. Place a 3rd bead in the groove of the sill support or 1/4" from the exterior edge of the wood blocking.



B. Apply sealant to the back of the brickmould or flat casing.

C. Center the bottom of the door in the opening and tilt the door into position. Do not slide the door into the opening. Sliding will damage the sealant lines.

Check the hinge jambs for plumb and confirm there is room for shimming between the jambs and opening on each side.

D. Drive 16d galvanized finish nails at each upper corner through the brickmould and into the wood framing.

E. Plumb and square the door.

Place shims at each hinge and lock strike. Keep shims 1/2" short of door frame depth. Insert additional shims starting 6" from the bottom as needed to keep jambs straight and panel reveals even on all four sides.

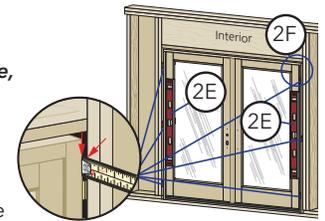
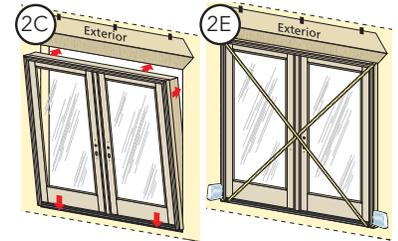
Note: Additional shims are required at screw locations for advanced performance, impact resistant units and combinations. See the anchor instructions at the end of this booklet.

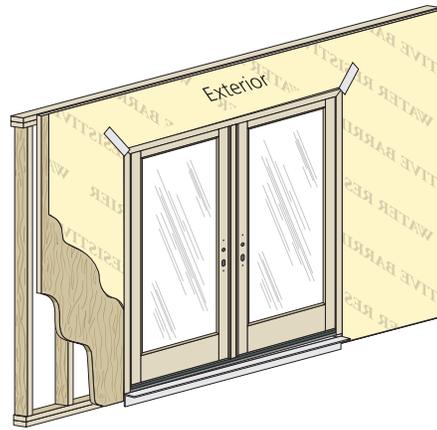
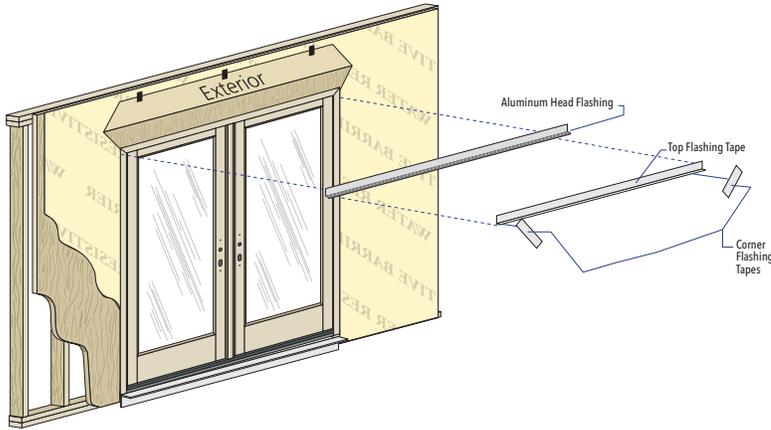
F. Check the door placement by measuring from the interior surface of the door frame or jamb extension to the interior surface of the wall for consistency.

G. Finish driving 16d finish nails through the brickmould. Refer to the anchor instructions at the end of this booklet.

H. Check door operation. Carefully open the door(s) and remove the shipping spacers (check under the door panel(s)). Use the construction handle to operate the panel(s). To operate flushbolts, see the instruction label on the astragal strike (if applicable).

Note: Adjust shims to correct any issues with plumb, square, operation or reveal.

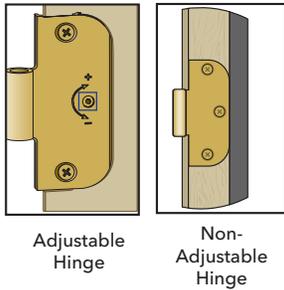




2 SETTING AND FASTENING THE DOOR (CONTINUED)

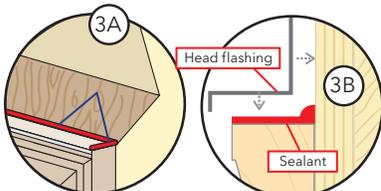
- I. **Pre-drill and drive screws at hinges, head and sill strikes or jamb strikes, threshold or low-profile sill and frames or clips.**
See the anchor instructions at the end of this booklet.
- J. **Open and close the door to check operation.** Make sure the door will latch correctly. If there are problems with operation adjust the shims and hinges (see below) and confirm the door frame is plumb, level and square and the gap between the door panel(s) and frame is consistent.
- K. **Adjustable hinges** can be used to move the panel(s). Turn the center screw with a T20 Torx wrench clockwise (+) to move the panel away from the frame or counter-clockwise (-) to move the panel toward the frame. A 3/4 turn provides approximately 5/32" adjustment.

Do not adjust the hinges if the top and bottom hinge screws are loose. Doors without adjustable hinges have plastic shims behind the hinges; remove shims to move the panel toward the frame. Additional shims may be added to move the panel away from the frame.



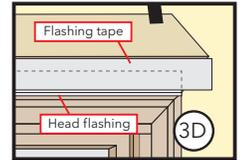
3 INTEGRATE WITH BUILDING WRAP

- A. **Apply a bead of sealant** along the top of the brickmould where it meets the wall. Continue the sealant along the edges of the brickmould to the front corner.
- B. **Install Head Flashing** by pressing it into the sealant and securing it to the wall using roofing nails.

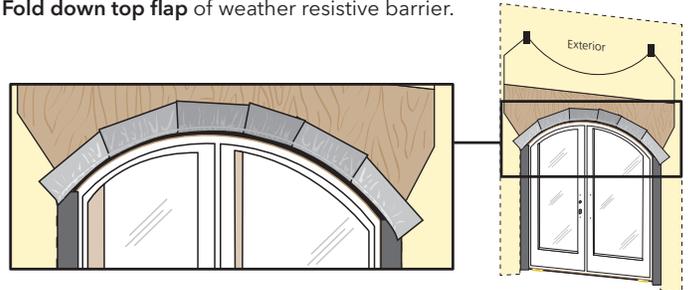


3 INTEGRATE WITH BUILDING WRAP (CONTINUED)

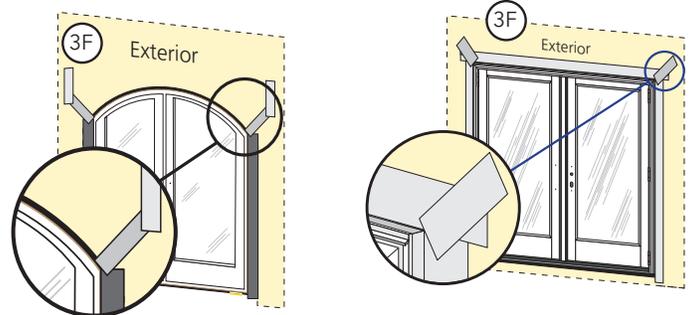
- C. **Cut a piece of flashing tape** 4" longer than the brickmould width.
- D. **Apply the flashing tape** over the head flashing and onto the sheathing so it extends past the brickmould 2" each side.



- E. **Fold down top flap** of weather resistive barrier.

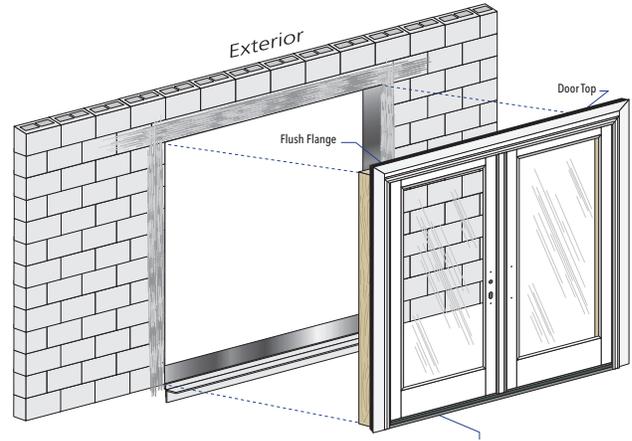
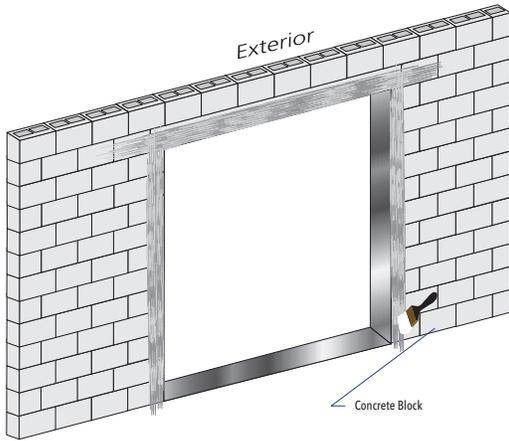


- F. **Apply flashing tape** to top diagonal cuts. Cut pieces of flashing tape at least 1" longer than each diagonal cut. Lap tape 1" past end of cut onto weather barrier. Overlap multiple pieces of tape by 1" when necessary.



NOTE: PRESS ALL FLASHING TAPE DOWN FIRMLY.

- G. **Install interior sealant.** Refer to the interior sealant instructions at the end of this booklet.
- H. **Install exterior sealant.** (After wall cladding is installed) Refer to the exterior sealant instructions at the end of this booklet.

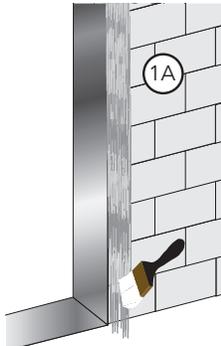


1 PREPARE THE OPENING

Refer to the installation preparation section at the beginning of this booklet.

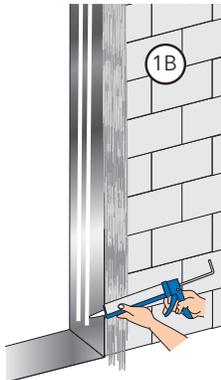
- A. **Apply water resistant coating.** Extend the coating into the opening on all four sides and onto the wall surface at least 9". The water resistant coating may be a self-adhered sheet membrane (SASM) or a liquid applied flashing. Ensure continuity between the water resistant coating in the opening and the rest of the wall surface. SASM's must be overlapped in a water shed fashion. Apply all water resistant coatings according to the manufacturer's directions.

NOTE: Allow liquid flashing to dry according to the manufacturer's recommendations.

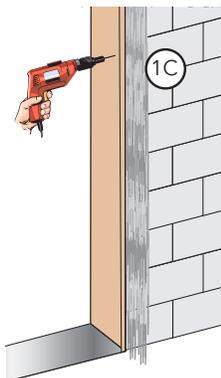


- B. **Apply 2 beads of sealant** to the masonry opening where the wood buck will be attached.

NOTE: Ensure the sealant is compatible with the water resistant coating.

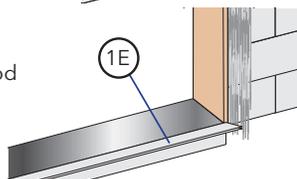


- C. **Pre-drill and fasten the treated wood buck** to the masonry opening using code-approved fasteners and spacing. The wood buck should be recessed from surface of the masonry for flush flange doors and wood brickmould doors where siding or brick veneer is not being installed.



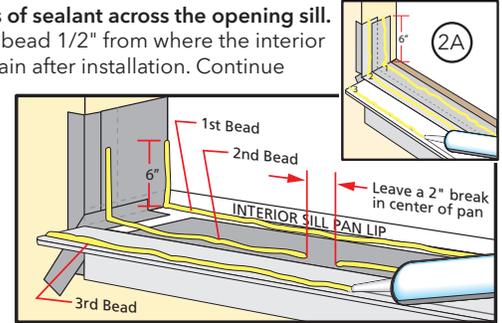
- D. **Apply water resistant coating** (optional) over the wood buck and onto the masonry opening. If using liquid applied flashing, allow it to dry according to the manufacturer's recommendations before proceeding.

- E. **Attach a Pella aluminum sill support** or wood blocking flush with the opening sill.



2 SETTING AND FASTENING THE DOOR

- A. **Place three 3/8" beads of sealant across the opening sill.** Place the interior-most bead 1/2" from where the interior of the door sill will remain after installation. Continue this bead 6" up each jamb. Place a second bead 1/2" from the exterior of the framing. Place a 3rd bead in the groove of the sill support or 1/4" from the exterior edge of the wood blocking.



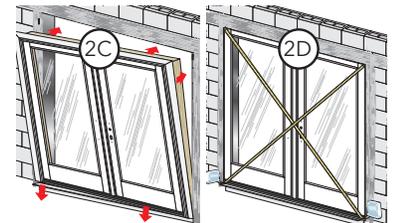
Check the hinge jambs for plumb and confirm there is room for shimming between the jambs and opening on each side.

Wood brickmould doors only: Drive 16d galvanized finish nails at each upper corner through the brickmould and into the wood framing.

Flush flange doors: Place shims and begin driving frame screws or clip screws. Refer to the anchor instructions at the end of this booklet.

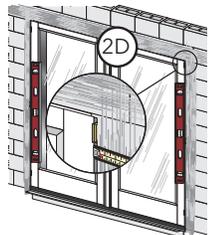
- B. **Apply sealant** to the back of the brickmould or flush flange.
- C. **Center the bottom of the door in the opening and tilt the door into position.** Do not slide the door into the opening. Sliding will damage the sealant lines.

- D. **Plumb and square the door.** Place shims at each hinge and lock strike. Keep shims 1/2" short of door frame depth. Insert additional shims starting 6" from the bottom as needed to keep jambs straight and panel reveals even on all four sides.



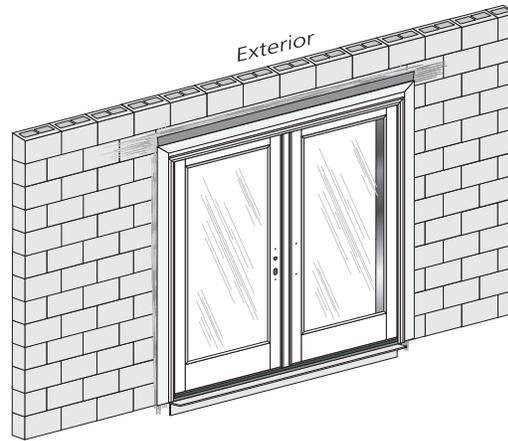
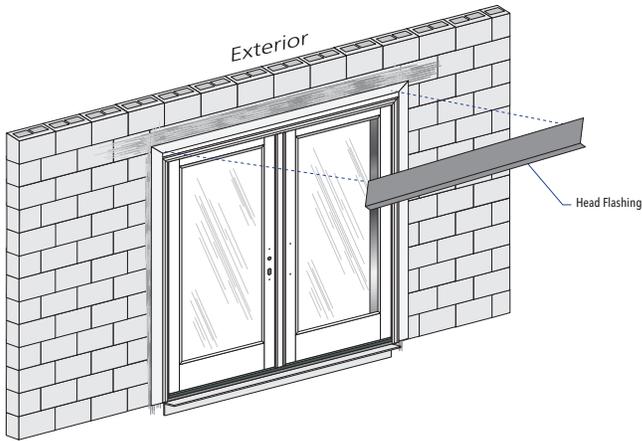
Note: Additional shims are required at screw locations for advanced performance, impact resistant units and combinations. See the anchor instructions at the end of this booklet.

- E. **Check the door placement** by measuring from the interior surface of the door frame or jamb extension to the interior surface of the wall for consistency.
- F. **Wood brickmould doors only:** Finish Driving 16d galvanized finish nails through the brickmould.
- G. **Check door operation.** Carefully open the door(s) and remove the shipping spacers (check under the door panel(s)). Use the construction handle to operate the panel(s).



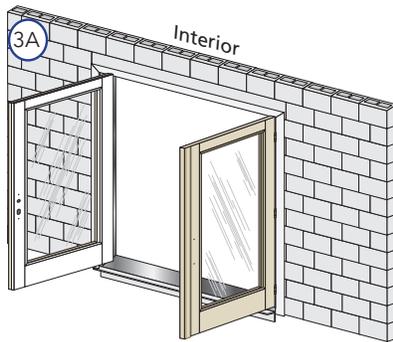
To operate flushbolts, see the instruction label on the astragal strike (if applicable).

Note: Adjust shims to correct any issues with plumb, square, operation or reveal.

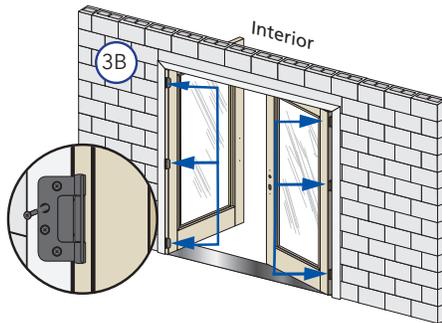


3 SEALING THE TOP AND SIDE NAILING FINIS

- A. **Pre-drill and drive screws at hinges, head and sill strikes or jamb strikes, threshold or low-profile sill and frames or clips.**
See the anchor instructions at the end of this booklet.



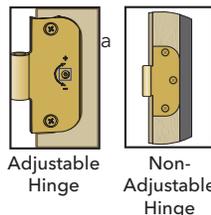
- B. **Open and close the door to check operation.** Make sure the door will latch correctly. If there are problems with operation adjust the shims and hinges (see below) and confirm the door frame is plumb, level and square and the gap between the door panel(s) and frame is consistent.



- C. **Adjustable hinges can be used** to move the panel(s). Turn the center screw with T20 Torx wrench clockwise (+) to move the panel away from the frame or counter-clockwise (-) to move the panel toward the frame. A 3/4 turn provides approximately 5/32" adjustment.

Do not adjust the hinges if the top and bottom hinge screws are loose.

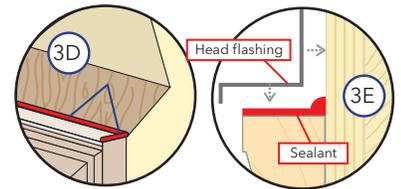
Doors without adjustable hinges have plastic shims behind the hinges; remove shims to move the panel toward the frame. Additional shims may be added to move the panel away from the frame.



3 SEALING THE TOP AND SIDE NAILING FINIS (CONTINUED)

Steps 3D & 3E: For wood brickmould doors only.

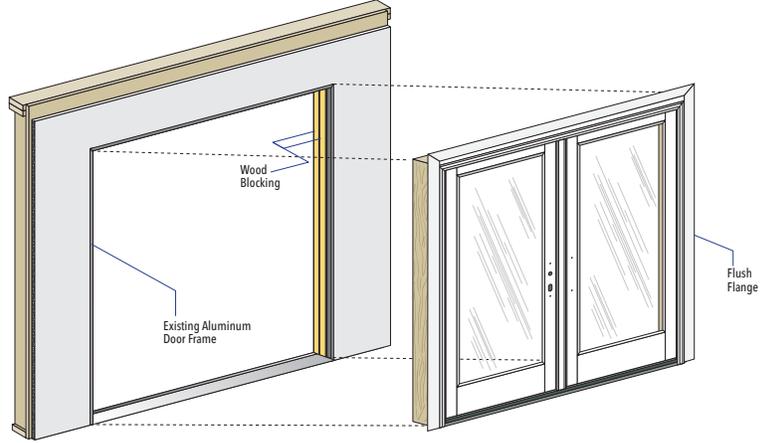
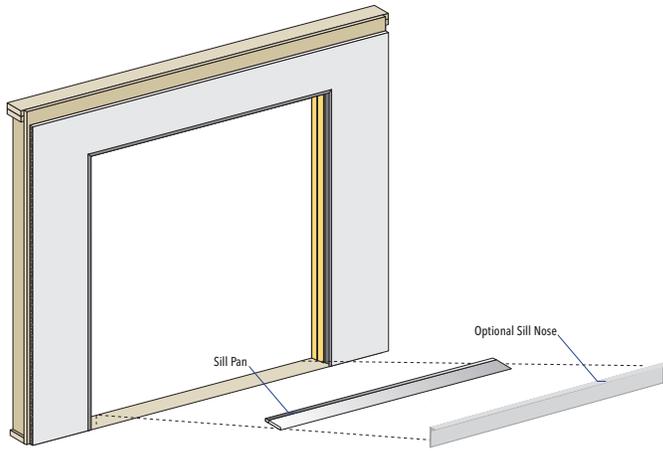
- D. **Apply a bead of sealant** along the top of the brickmould where it meets the wall. Continue the sealant along the edges of the brickmould to the front corner.
- E. **Install Head Flashing** by pressing it into the sealant and securing it to the wall using roofing nails. Apply SASM or liquid applied water management system in water-shed fashion with head flashing and in accordance with manufacturer's recommendations.



- F. **Install interior sealant.** Refer to the interior sealant instructions at the end of this booklet.
- G. **Install head flashing,** properly incorporating it with the siding and water management system according to applicable code requirements.
- H. **Install exterior sealant.** (After wall cladding is installed) Refer to the exterior sealant instructions at the end of this booklet.

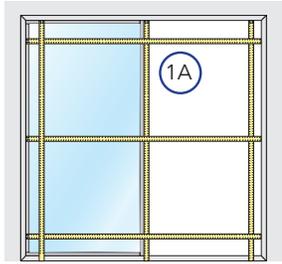


POCKET REPLACEMENT WITH FLUSH FLANGE FOR THE INSTALLATION OF NEW FLUSH FLANGE DOORS IN EXISTING ALUMINUM FRAMES WITH STUCCO WALLS ARID CLIMATES



1 PREPARE THE OPENING

A. Measure the width and height of the opening in the remaining aluminum frame after sash/glass removal. The new window must be 1/2" to 3/4" smaller in width and height.



B. Remove the sash and/or glass from the existing aluminum door. It may be necessary to cut the divider between the venting panel and fixed glass areas with a reciprocating saw. Refer to the sash removal instructions at the beginning of this booklet.

C. Cut the existing door sill out of the opening as close to the jamb as possible using a reciprocating saw or side grinder.

D. Clean the existing frame and sill so it is free of dirt and debris.

E. Remove the door lock strike from the lock jamb of the existing door frame.



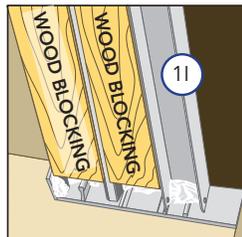
F. Place a bead of sealant at each joint where the existing door frame jambs meet the existing door sill pieces. Fill any holes in the jamb and head with sealant.

G. If the weep holes of the existing sill have been cut away, drill new weep holes in the existing door jambs. Be sure to drill weep holes in all vertical jamb legs, except the most interior leg.

Note: Ensure all new or existing weep holes are open before proceeding with the installation.

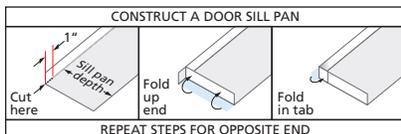
H. Cut one piece of flashing tape 6" longer than the existing aluminum frame width.

I. Cut wood blocking to fill the channels in the head and jambs of the existing door frame. The blocking will support new shims and hinge screws. The blocking should be flush with the protruding legs of the frame.



J. Set the blocking in 3/16" sealant lines and secure with #8 x 2-1/2" screws.

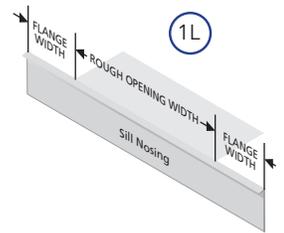
K. Construct a sill pan for the door. Measure the rough opening width and add 2". Measure 1" up from each end and cut through the vertical leg of the pan material. If there is a step down at the exterior of the door opening, make the sill pan depth equal to the door frame depth - 2-1/8". If there is NO step down, make the sill pan depth equal to the frame depth. Bend the bottom (side) flaps of the pan material up, then bend the back leg around the end of the pan.



Dry fit the sill pan and the door into the opening.

1 PREPARE THE OPENING (CONTINUED)

L. If there is a step down at the exterior of the door opening, cut the sill nosing to the rough opening width plus two times the flange width. Notch the sill nosing. If there is NO step down, skip to step M.



Note: If the new door frame is deeper than the existing door frame, it will be necessary to cut the interior flooring material back to allow the door flush flanges to contact the existing aluminum door frame.

M. Apply five lines of 3/8" diameter sealant across the rough opening sill in the location shown. Make sure the lines of the sealant covers the area between the stucco and rough opening.

N. Place a 3/8" bead of sealant at each corner of the rough opening from the stucco along the edge of the rough opening as shown.

Note: It is important to avoid letting the sealant skin over prior to applying the sill pan.

O. If using sill nosing with a step down, install the sill pan and sill nosing into the opening. Press down to seal them into the opening. DO NOT overlap.

P. Apply sealant at nosing ends continuing from the front of the sill pan around the exterior surface of the wall where the sill nosing will end.

Q. Cut two pieces of flashing tape 12" longer than the rough opening width. Place tape #1 across the sill nosing just up to where the nosing begins to slope down and extending 6" up each jamb. Apply the second piece of flashing tape over-lapping the first piece and the exterior edge of the sill pan and 6" up each jamb.

Note: Fix any problems before proceeding.

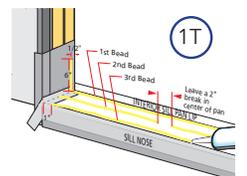
If the flange(s) must be trimmed to fit in a recessed opening, use a utility knife or circular saw for vinyl or fiberglass flanges. Use an electric scissor-style shear for aluminum flanges.

Steps P and Q apply only to aluminum clad wood doors.

R. Apply Pella SmartFlash tape across the head of the door extending 6" down each jamb.

S. Place the tape starting on the aluminum cladding and extending onto the wood frame.

T. Place three 3/8" beads of sealant. Place the first beads sealant 1/2" in front of the base of the interior sill pan lip. This bead should also continue up the corner of the sill pan at each end, sealing the vertical joints of the sill pan and up 6" onto each jamb side of the rough opening. The second bead should be approximately 1/2" from the exterior edge of the frame wall, running from jamb to jamb with a 2" break in the middle of the opening. Place a third sealant bead 1/4" from the exterior edge of the flat portion of the sill nose or the sill pan. Start and stop this sealant line 1" from each jamb.

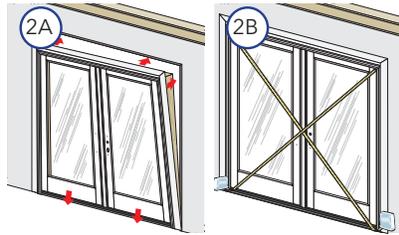




2 SET AND FASTEN THE DOOR

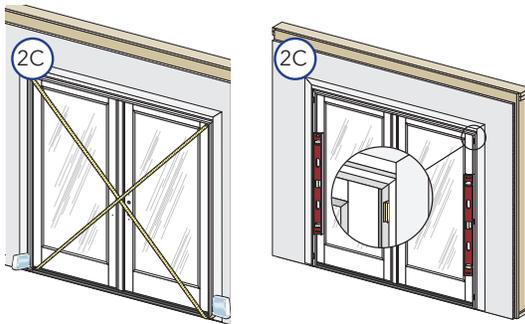
A. Center the bottom of the door in the opening and tilt the door into position. Do not slide the door into the opening. Sliding will damage the sealant lines.

B. Plumb and square the door. Place shims at each hinge and lock strike. Keep shims 1/2" short of door frame depth. Insert additional shims starting 6" from the bottom as needed to keep jambs straight and panel reveals even on all four sides.



Note: Additional shims are required at screw locations for advanced performance, impact resistant units and combinations and combinations. See the anchor instructions at the end of this booklet.

C. Check the door placement by measuring from the interior surface of the door frame or jamb extension to the interior surface of the wall for consistency.



D. Check door operation. Carefully open the door(s) and remove the shipping spacers (check under the door panel(s)). Use the construction handle to operate the panel(s).

To operate flushbolts, see the instruction label on the astragal strike (if applicable).

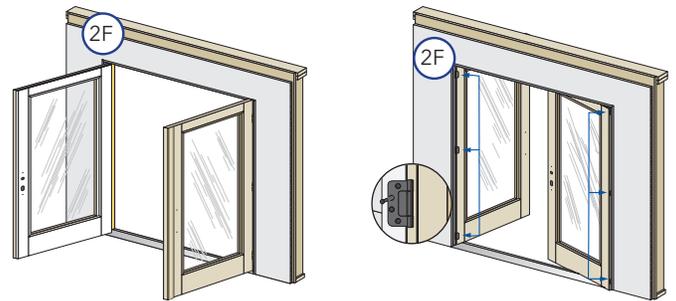
Note: Adjust shims to correct any issues with plumb, square, operation or reveal.

E. Pre-drill and drive screws at hinges, head and sill strikes or jamb strikes, threshold or low-profile sill and frames or clips.

Refer to the anchor instructions at the end of this booklet.

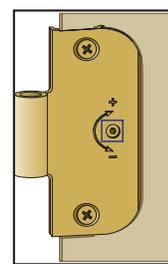
2 SET AND FASTEN THE DOOR (CONTINUED)

F. Open and close the door to check operation. Make sure the door will latch correctly. If there are problems with operation adjust the shims and hinges (see below) and confirm the door frame is plumb, level and square and the gap between the door panel(s) and frame is consistent.

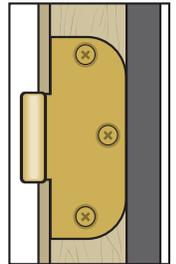


G. Adjustable hinges can be used to move the panel(s). Turn the center screw with a T20 Torx wrench clockwise (+) to move the panel away from the frame or counter-clockwise (-) to move the panel toward the frame. A 3/4 turn provides approximately 5/32" adjustment.

Do not adjust the hinges if the top and bottom hinge screws are loose.



Adjustable Hinge

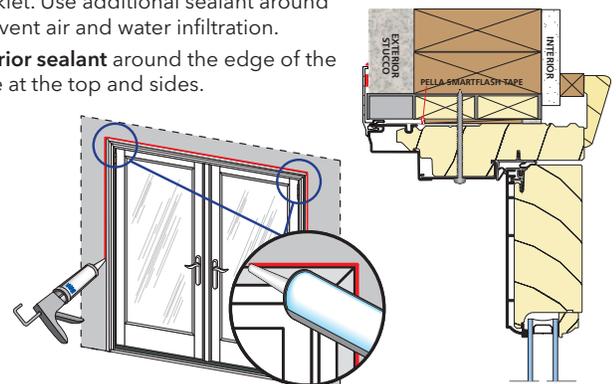


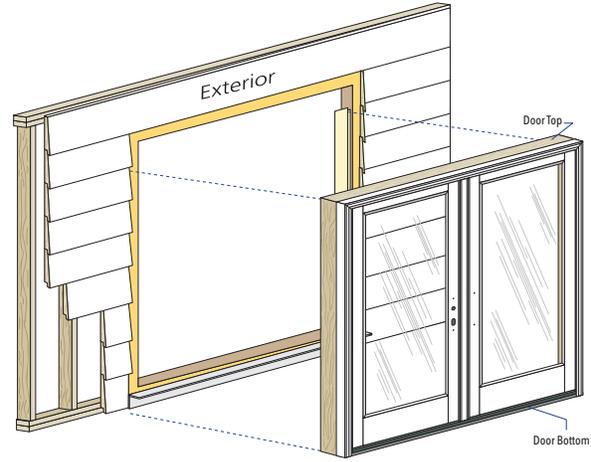
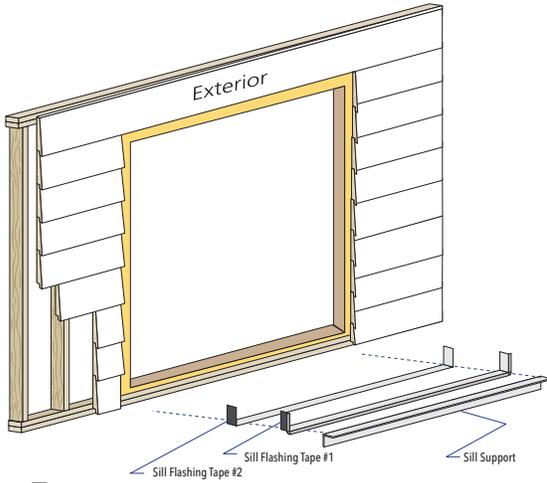
Non-Adjustable Hinge

H. Doors without adjustable hinges have plastic shims behind the hinges; remove shims to move the panel toward the frame. Additional shims may be added to move the panel away from the frame.

I. Install interior sealant. Refer to the interior sealant instructions at the end of this booklet. Use additional sealant around clips to prevent air and water infiltration.

J. Install exterior sealant around the edge of the flush flange at the top and sides.





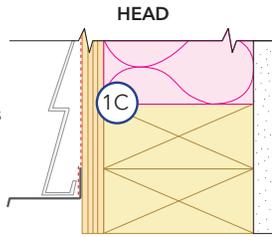
1 PREPARE THE OPENING

Refer to the installation preparation section at the beginning of this booklet.

- A. **Measure the width and height** of the brick/siding opening and the rough opening. The new brickmould must be 1/2" to 3/4" smaller than the brick/siding opening. The new window frame must be 1/2" to 3/4" smaller than the rough opening in width and at least 3/8" smaller in height.
- B. **Repair the wall surface around the opening** (if necessary) by installing new blocking flush with the surface of the existing sheathing. Repair the existing building wrap with by cutting it flush with the rough opening and covering any gaps with flashing tape.

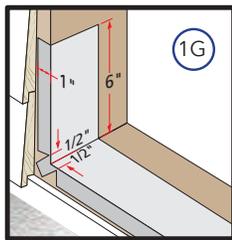
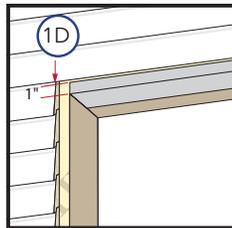
Applications with Building Wrap

- C. **Install head flashing** by applying sealant to the back of the upturned leg and inserting the upturned leg behind the building wrap as shown.



Applications without Building Wrap (steps D and E)

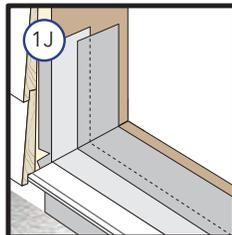
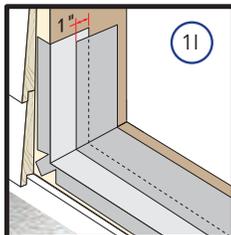
- D. **Cut a piece of flashing tape** equal to the width of the rough opening.
- E. **Apply the tape across the top** of the rough opening so it extends onto the surface of the wall at least 1". Place the tape below any existing head flashing.
- F. **Cut 2 pieces of flashing tape** 12" longer than opening width.
- G. **Apply sill flashing tape #1** at the sill extending 1" to the exterior and 6" up each jamb.
- H. **Cut 1" wide tabs** at each corner by tearing the foil 1/2" each way from corner.
- I. **Apply sill flashing tape #2** overlapping tape #1 by 1" minimum.



Note: For In-Swing Doors with frame depth greater than 5", add a third piece of flashing tape so it comes within 1/4" of the interior of the door frame.

Note: Press all tape down firmly.

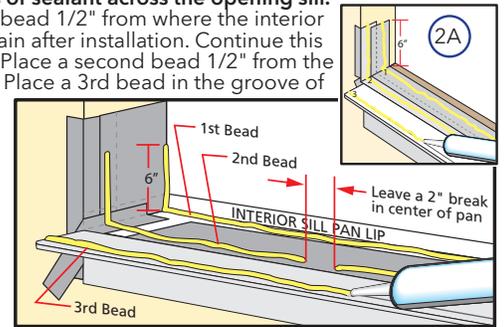
- J. **Attach a Pella aluminum sill support** or wood blocking flush with the opening sill.



2 SETTING AND FASTENING THE DOOR

- A. **Place three 3/8" beads of sealant** across the opening sill. Place the interior-most bead 1/2" from where the interior of the door sill will remain after installation. Continue this bead 6" up each jamb. Place a second bead 1/2" from the exterior of the framing. Place a 3rd bead in the groove of the sill support or 1/4" from the exterior edge of the wood blocking.

Check the hinge jambs for plumb and confirm there is room for shimming between the jambs and opening on each side.



- B. **Install head flashing** where possible, apply sealant to the back of the flashing and slide the flashing under any existing weather resistive barrier.
- C. **Place a continuous 3/8" bead of sealant** on the weather barrier (or sheathing if weather barrier is not present) along the jambs and head, approximately 1/2" from the rough opening edge.

- D. **Insert the door from the exterior of the building** DO NOT slide the bottom of the door into the opening. Sliding will damage the sealant lines. Place the bottom of the door at the bottom of the opening with the door centered between the sides of the opening to allow for shimming, then tilt the top into position.

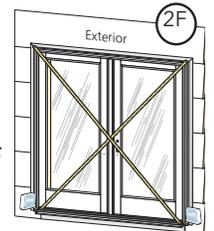


- E. **Wood brickmould doors only:** Drive 16d galvanized finish nails at each upper corner through the brickmould and into the wood framing.

Entry Doors with clad exterior trim shipped separately: Drive 1 fastener at each upper corner through the holes in installation fin.

- F. **Plumb and square the door.** Place shims at each hinge and lock strike. Keep shims 1/2" short of door frame depth. Insert additional shims starting 6" from the bottom as needed to keep jambs straight and panel reveals even on all four sides.

Note: Additional shims are required at screw locations for advanced performance, impact resistant units and combinations. See the anchor instructions at the end of this booklet.

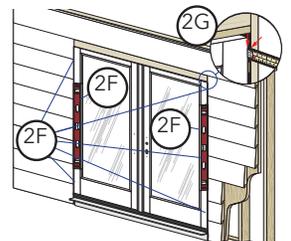


- G. **Check the door placement** by measuring from the interior surface of the door frame or jamb extension to the interior surface of the wall for consistency.

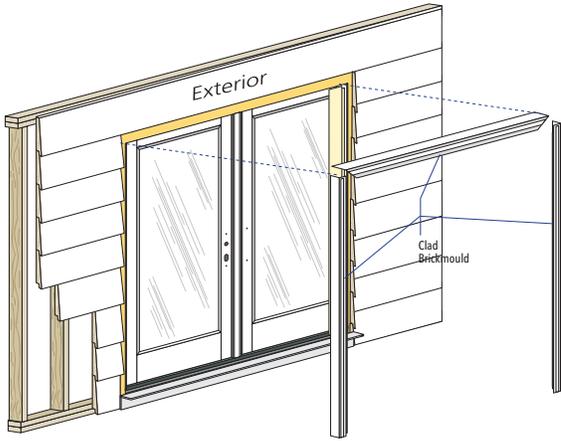
- H. **Wood brickmould doors:** Finish Driving 16d galvanized finish nails through the brickmould.

Entry doors with EnduraClad trim shipped separately: finish driving fasteners through the nailing fin.

Patio doors with factory applied EnduraClad trim: Insert 1 screw into the top frame anchor hole on each side of the frame.



Refer to the anchor instructions at the end of this booklet.

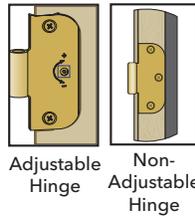


2 SETTING AND FASTENING THE DOOR (CONTINUED)

- I. **Check door operation.** Carefully open the door(s) and remove the shipping spacers (check under the door panel(s)). Use the construction handle to operate the panel(s).
To operate flushbolts, see the instruction label on the astragal strike (if applicable).
- J. **Pre-drill and drive screws at hinges, head and sill strikes or jamb strikes, threshold or low-profile sill and frames or clips.**
See the anchor instructions at the end of this booklet.
- K. **Open and close the door to check operation.** Make sure the door will latch correctly. If there are problems with operation adjust the shims and hinges (see below) and confirm the door frame is plumb, level and square and the gap between the door panel(s) and frame is consistent.
Note: Adjust shims to correct any issues with plumb, square, operation or reveal.

Entry Doors with EnduraClad trim shipped separately follow steps 2M-3D. For other products, proceed to step 3E.

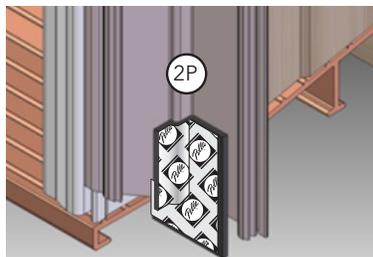
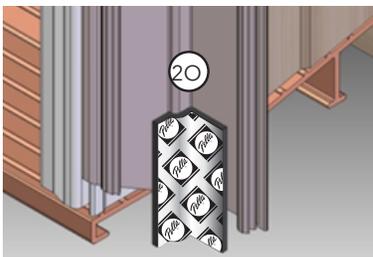
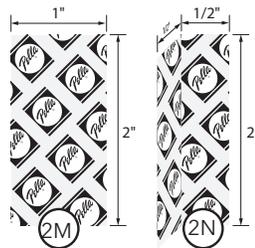
- L. **Adjustable hinges can be used to move the panel(s).** Turn the center screw with a T20 Torx wrench clockwise (+) to move the panel away from the frame or counter-clockwise (-) to move the panel toward the frame. A 3/4 turn provides approximately 5/32" adjustment.



Do not adjust the hinges if the top and bottom hinge screws are loose.

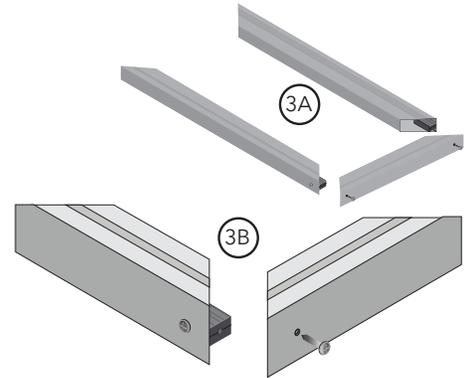
Doors without adjustable hinges have plastic shims behind the hinges; remove shims to move the panel toward the frame. Additional shims may be added to move the panel away from the frame.

- M. **Cut a piece of Pella SmartFlash foil backed butyl tape to 1" x 2".**
- N. **Fold in half as shown.**
- O. **Peel backing from piece of tape** and apply to the installation fin at the sill, extending onto the rough opening.
- P. **Tear at the edge of the installation fin** and wrap under the unit.



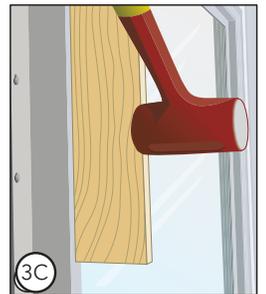
3 BRICKMOULD ATTACHMENT

- A. **Remove brickmould from packaging** and place on a large, flat area positioning parts in the correct orientation.
- B. **Attach the head part** to the jambs using the provided screws (#6 x 11/16").



- C. **Apply the clad brickmould assembly** to the unit by pressing it onto the barbs located on the fin.

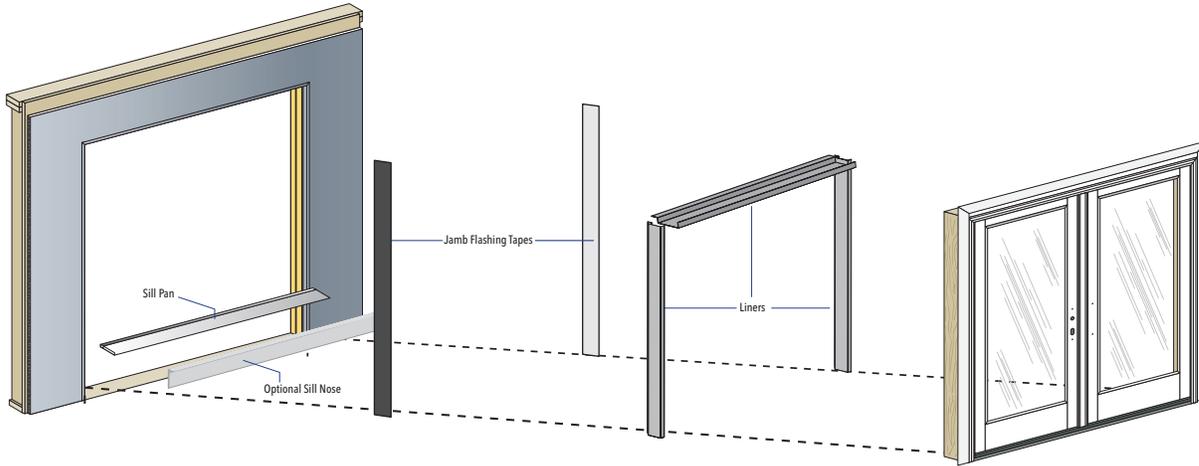
Note: Use a hammer and a block of wood to assist in seating the brickmould onto the barbs. When fully seated the brickmould should be touching the door frame.



- D. **Adjust the mitered corners** as necessary.
- E. **Install interior sealant.** Refer to the interior sealant instructions at the end of this booklet. Use additional sealant around clips to prevent air and water infiltration (if applicable).
- F. **Install exterior sealant** between the edge of the brickmould and the finished wall material or flashing. Refer to the exterior sealant instructions at the end of this booklet.



FULL FRAME REPLACEMENT IN STUCCO WITH FLUSH FLANGE ROUGH OPENING PREPARATION USING WATER MANAGEMENT LINER (PATENT PENDING)

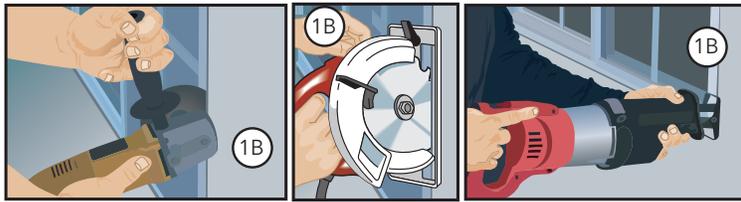


1 REMOVE THE EXISTING DOOR

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

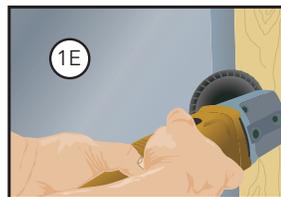
REMEMBER TO USE APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT.

- A. Measure the width and height of the opening inside the drywall return. The new window frame size must be at least 1/2" to 3/4" smaller than this measurement in width and 3/8" minimum in height.
- B. Cut through the existing door nailing fin on all sides. Cut against the edge of the frame with an angle grinder or circular saw with diamond blade. Use a reciprocating saw to finish the cutting the corners. Be careful not to chip or crack the stucco.



NOTE: Use a vacuum with a HEPA filter to minimize dust while cutting. Maintain a safe distance between the vacuum and power tool.

- C. Remove the existing door and dispose of it properly.
- D. Make any modifications or repairs to the opening at this time.
- E. Cut the stucco and existing door fin along the opening sill to ensure the stucco does not project above the sill framing (if applicable).

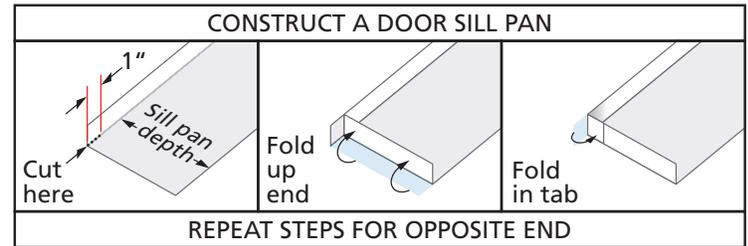


- F. Clean the rough opening by vacuuming all dust and debris.
Note: If the new door frame is deeper than the existing door frame, it will be necessary to cut the interior flooring material back to allow the door flush flanges to contact the existing aluminum door frame.

2 PREPARE THE OPENING

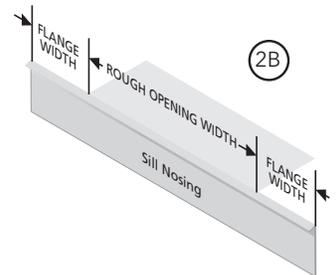
- A. Construct a sill pan for the door. Measure the rough opening width and add 2". Measure 1" up from each end and cut through the vertical leg of the pan material. Bend the bottom (side) flaps of the pan material up, then bend the back leg around the end of the pan. Make the sill pan depth equal to the door frame depth minus 2-1/8". Seal all the corners and overlaps.

Dry fit the sill pan and the door into the opening.



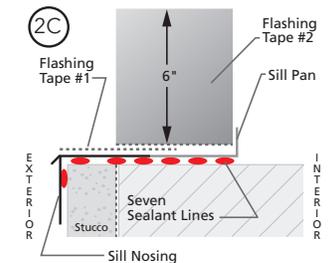
- B. Cut the sill nosing to the rough opening width plus two times the flange width. Notch the sill nosing.

Note: 4-sided flush flange doors and openings with an exterior concrete slab flush with the opening sill do not require the sill nosing



- C. Apply seven lines of 3/8" diameter sealant across the rough opening sill in the location shown. Make sure the lines of the sealant covers the area between the stucco and rough opening.

- D. Place a 3/8" bead of sealant at each corner of the rough opening from the stucco along the edge of the rough opening as shown.



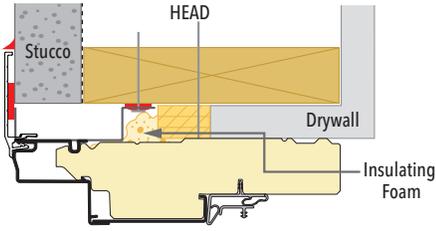
Note: It is important to avoid letting the sealant skin over prior to applying the sill pan.

- E. Install the sill pan and sill nosing into the opening. Press down to seal them into the opening. DO NOT overlap.

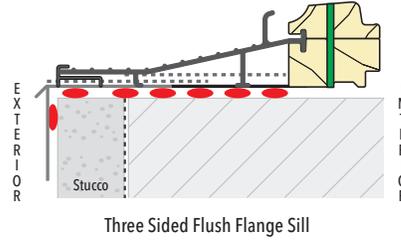
Note: Cut back drywall return on jamb as needed to allow clearance for sill pan.



FULL FRAME REPLACEMENT IN STUCCO WITH FLUSH FLANGE
ROUGH OPENING PREPARATION USING WATER MANAGEMENT LINER (PATENT PENDING) (CONTINUED)

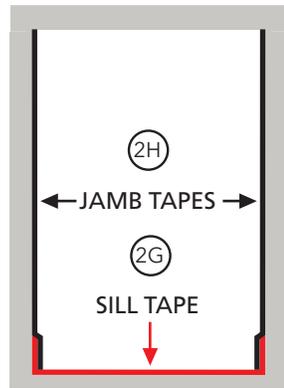
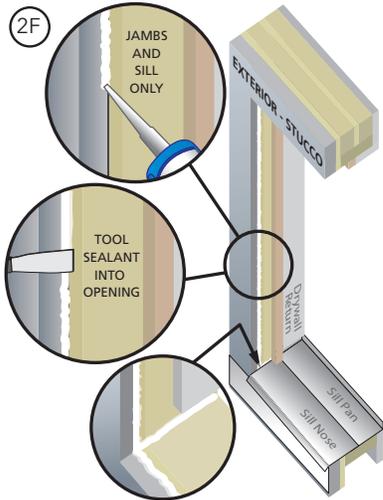


FINISHED DOOR INSTALLATION AND SEALANT DETAILS



2 PREPARE THE OPENING (CONTINUED)

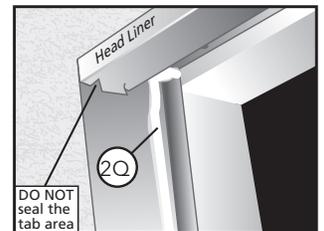
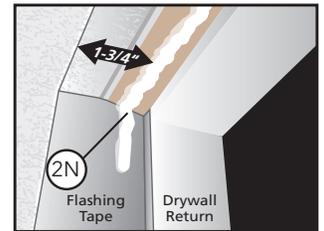
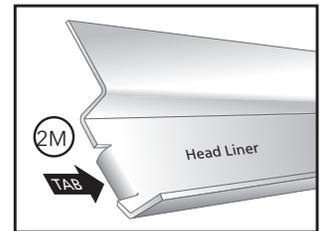
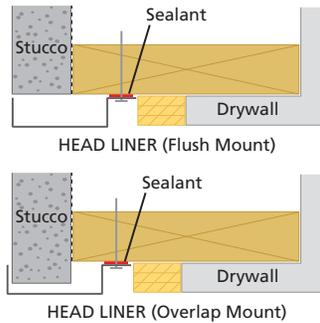
F. Apply sealant at nosing ends continuing from the front of the sill pan around the exterior surface of the wall where the sill nosing will end.



- G. Cut two pieces of flashing tape 12" longer than the rough opening width. Place tape #1 across the sill nosing just up to where the nosing begins to slope down and extending 6" up each jamb. Apply the second piece of flashing tape over-lapping the first piece and the exterior edge of the sill pan and 6" up each jamb.
- H. Cut two pieces of flashing tape equal to the height of the rough opening. Place the exterior edge of the tape along the exterior edge of the stucco. Press the tape down firmly over the sealant, exposed framing, edge of filler strip and onto the surface of the drywall.
- I. Cut 1/2" thick wood or expanded PVC filler strips for the jambs and head. Make the width of the strips equal to the distance from the surface of the stucco to the surface of the drywall minus 2-1/8".
- J. Install filler strip using #8 x 1-1/2" wood screws at 16" on center maximum spacing.
- K. Place a 3/8" bead of sealant (or enough to cover the area) between the stucco and the rough opening at the jambs. **DO NOT seal the head.** Tool the sealant with a putty knife to press the sealant into the opening.
CAUTION: The cut fin may have sharp edges!
- L. Cut the head liner equal to the opening width.

2 PREPARE THE OPENING (CONTINUED)

- M. Make 1/4" deep by 3/4" wide tabs, bending them down as shown.
- N. Apply a 3/8" bead of sealant across the top of the opening 1-3/4" from the surface of the stucco and 1" down the sides.
- O. Secure the head liner over the sealant using self-drilling screws 6" from ends and every 12". The liner may be shifted to allow the stucco to extend below the rough opening.
- P. Cut two jamb liners to fit between the sill and the head liner.



- Q. Apply 3/8" beads of sealant down each jamb 1-3/4" from the surface of the stucco.
- R. Secure the jamb liner over the sealant using self-drilling screws 6" from ends and every 12". The liner may be shifted to allow the stucco to extend into the rough opening.
- S. Seal the upper corners where the head and jamb liners meet.
- T. Seal the lower corners where the jamb liner meets the sill. Do not seal the notch.
- U. Refer to the Pocket Replacement with Flush Flange instruction beginning at step 1T in this booklet to complete the installation.





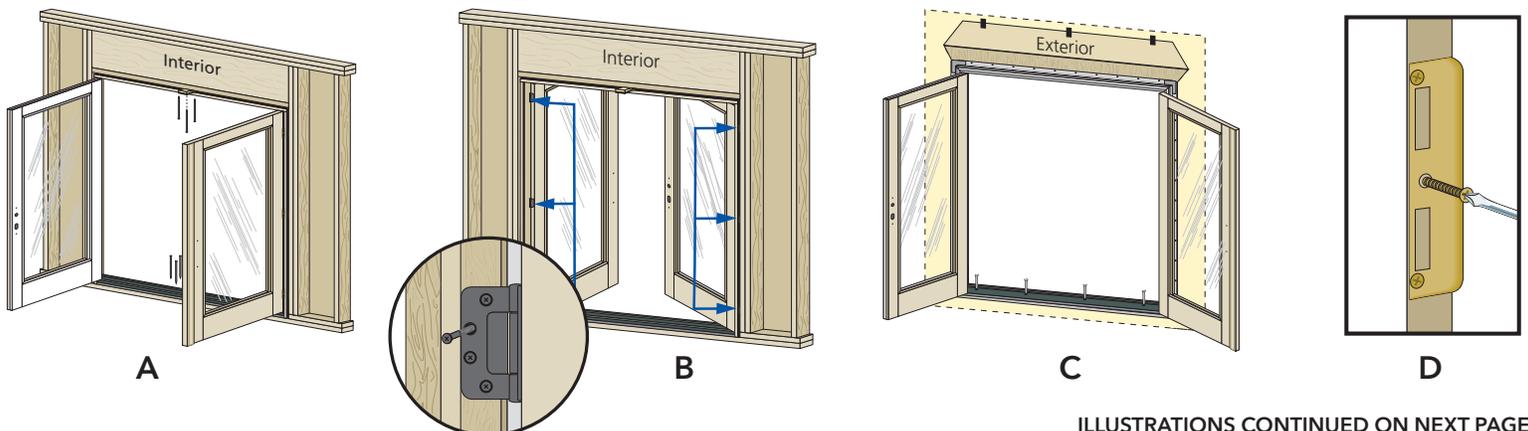
ANCHOR SCHEDULE – WOOD EXTERIOR OR CLAD FLUSH FLANGE HINGED ARCHITECT SERIES® AND PELLA® LIFESTYLE SERIES DOORS (INCLUDING ADVANCED PERFORMANCE AND IMPACT-RESISTANT)

Pella® Impact-Resistant Products have been tested in accordance with the large missile impact testing requirements of ASTM E 1886 and ASTM E 1996. Pella Impact-Resistant Products are neither hurricane proof nor are they shatter proof. Severe wind and rain may produce temporary conditions which exceed product performance standards. When these units are subjected to intense storms or extreme conditions, which exceed the intended design pressures, air, water and flying debris infiltration may occur. Advanced performance and Impact-Resistant require the use of installation clips or screws through the frame. The use of fins or brickmould is optional and will not affect anchorage requirements. Local building codes may have additional anchoring requirements.

Note: Refer to Florida Product Approval Instructions, when applicable.

| Anchor Location | | Venting | Anchor Type | | Instructions | Illustration |
|-----------------|---------------|-----------------------------|---|------------------------------|---|--------------|
| | | | Wood | Masonry | | |
| Wood Brickmould | | Any | 16d Galvanized Finish Nail | NA | 6" from each corner and 10" max. spacing | |
| Head | Strike | Active/Fixed 1-Panel Vent | (1) #8 x 3" stainless steel (provided) | | Remove temporary sill strike screw(s) and place a dab of sealant in each hole before installing the new screws. | A |
| | | Active/Passive | (3) #8 x 3" stainless steel (provided) | | Remove temporary sill strike screw(s) and place a dab of sealant in each hole before installing the new screws. | A |
| | Frame | Vent | #8 x 3" corrosion resistant (provided) | | For Doors ordered with no lock/no bore, Place 1 screw in each pre-drilled hole (if present). | F, H |
| | Frame-Screws | Fixed or Vent | #10 x 3-1/2" corrosion resistant | 3/16" x 3" Masonry Screw | See Illustrations | F, H |
| | Frame-Clips | Fixed or Vent | (2) #8 x 1-1/4" corrosion resistant | 3/16" x 1-1/2" Masonry Screw | See illustrations for spacing, secure clip to frame using (2) #6 x 5/8" corrosion resistant screws | E, F |
| | Frame | Door/Sidelight Combinations | #10 x 3" corrosion resistant | 3/16" Masonry Screw | Pre-drill and install screws 3" and 6" on each side of each mullion end. | H |
| Jambs | Strike | Vent | #8 x 3" (provided) | | Shim between the frame and rough opening at the strike. | D |
| | Hinges | Out-Swing | #12 x 2-1/2" corrosion resistant (provided) | | Pre-drill and drive screws into rough opening or sidelight. | B |
| | | In-Swing | #8 x 3" corrosion resistant (provided) | | Pre-drill and drive screws into rough opening or sidelight. | B |
| | Frame-Screws* | Fixed or Vent | #10 x 3-1/2" corrosion resistant | 3/16" x 3" Masonry Screw | See Illustrations | F, G |
| | Frame-Clips | Fixed or Vent | (2) #8 x 1-1/4" corrosion Resistant | 3/16" x 1-1/2" Masonry Screw | See illustrations for spacing, secure clip to frame using (2) #6 x 5/8" corrosion resistant screws | E, F |
| Sill | Threshold | Vent | #10 x 3-1/2" corrosion resistant | 3/16" x 3" Masonry Screw | Remove temporary screws before installing new screws | C |
| | Strike | Active/Fixed 1-Panel Vent | (1) #8 x 3" stainless steel (provided) | | Remove temporary strike screw(s) and place a dab of sealant in each hole before installing the new screws. | A |
| | | Active/Passive | (3) #8 x 3" stainless steel (provided) | | Remove temporary strike screw(s) and place a dab of sealant in each hole before installing the new screws. | A |
| | Low Profile | Vent | #8 x 3" corrosion resistant(provided) | 3/16" x 2" Masonry Screw | For doors with standard locks, install tubs per instruction included with sill strike package | C, F, H |
| | Threshold | Door/Sidelight Combinations | #10 x 3" corrosion resistant | 3/16" Masonry Screw | Pre-drill and install screws 3" and 6" on each side of each mullion end. | C, F, H |

* Different spacing for In-Swing vs. Out-Swing: Out-Swing - 6 and 16; In-Swing, centered between hinges.



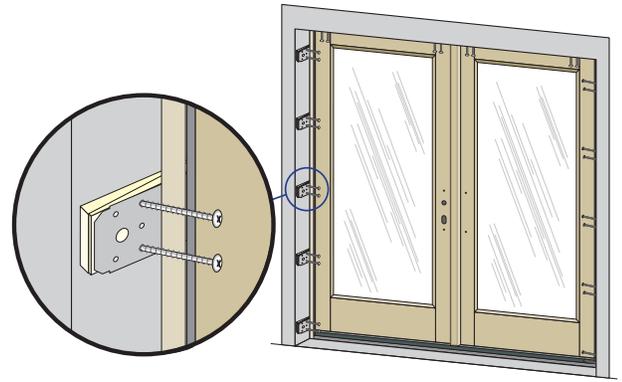
ILLUSTRATIONS CONTINUED ON NEXT PAGE



ANCHOR SCHEDULE – WOOD EXTERIOR OR CLAD FLUSH FLANGE HINGED ARCHITECT SERIES® AND PELLA® LIFESTYLE SERIES DOORS (INCLUDING ADVANCED PERFORMANCE AND IMPACT-RESISTANT)

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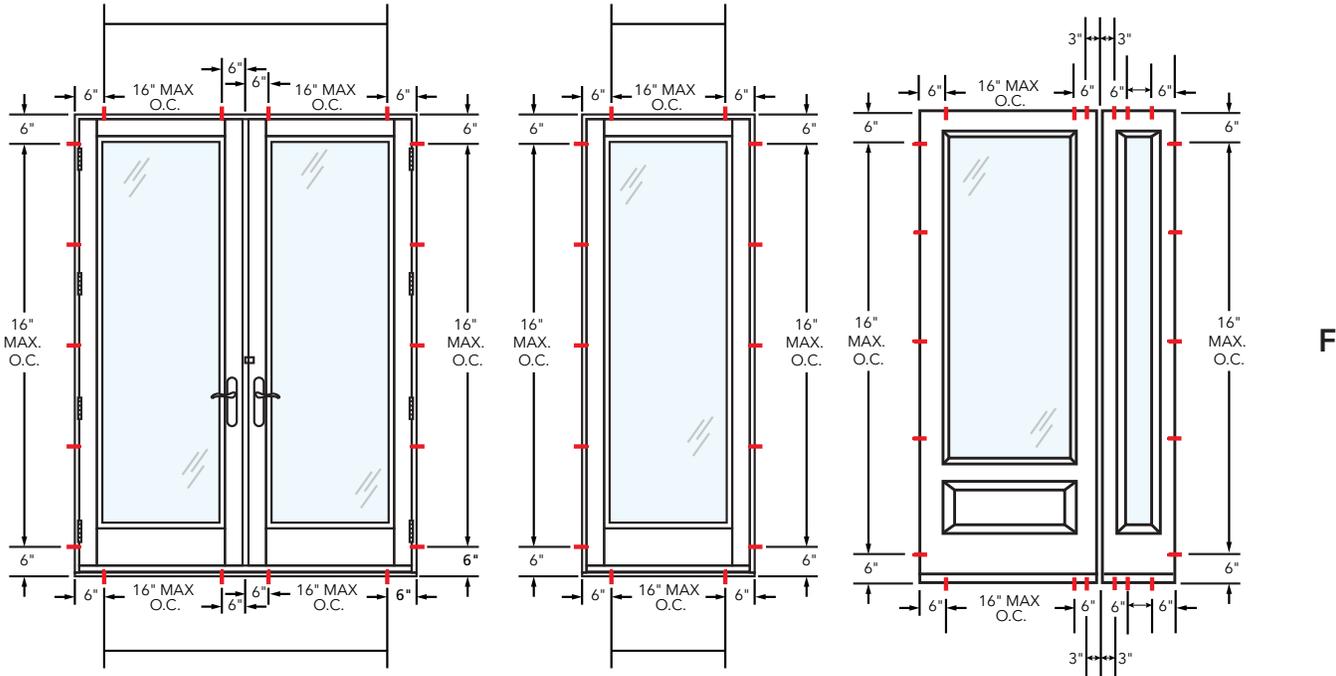
Note: Refer to Florida Product Approval Instructions, when applicable.



E

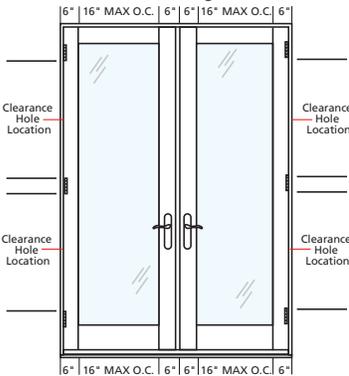
DOUBLE OPERABLE

SINGLE FIXED OR OPERABLE

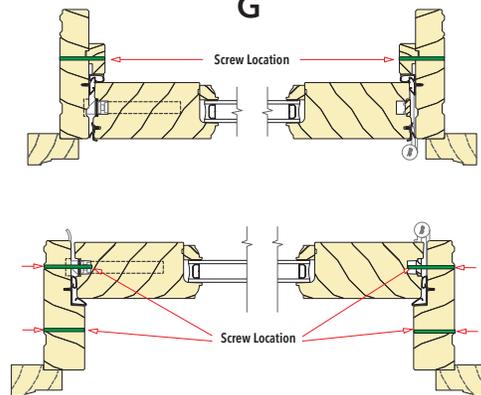


F

In-Swing

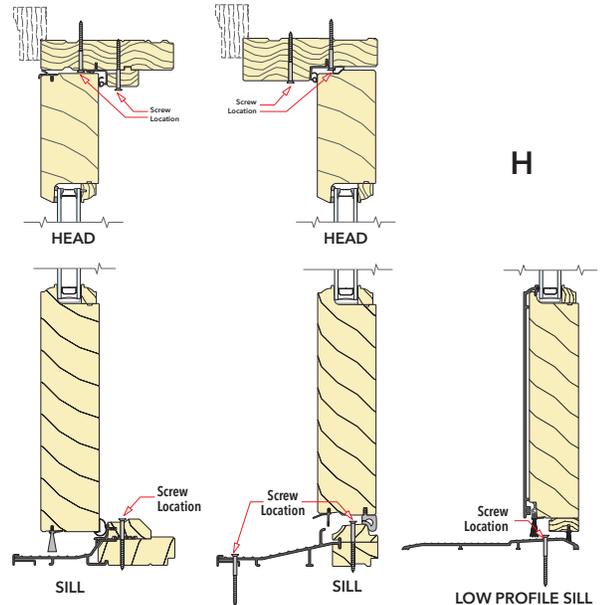


G



Out-Swing

In-Swing



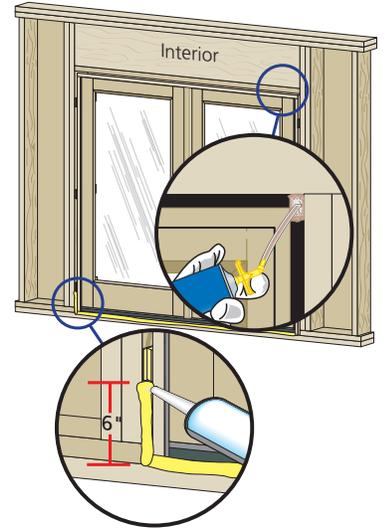
H



INTERIOR SEALANT INSTRUCTIONS

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

- A. Insert the nozzle or straw between the rough opening and door frame from the interior. Use a pliers (if necessary) to compress the end of a straw tube to allow it to fit in tight openings.
B. Place a 1" deep bead of foam approximately 1" from the interior of the frame to allow for expansion. DO NOT fill the entire depth of the rough opening cavity.
Note: Apply foam between the frame and rough opening, NOT between jamb extensions and the rough opening.
C. Re-Check door operation and remove remaining shipping spacers after foam installation. Excess foam may be removed with a serrated knife after it cures.
D. To ensure a continuous interior seal, apply sealant over or around any shims or clips interrupting the foam seal.
E. Place a continuous bead of sealant across the inner sill at the intersection of the door sill and subfloor. Continue the sealant 6" up each jamb.



EXTERIOR SEALANT INSTRUCTIONS

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

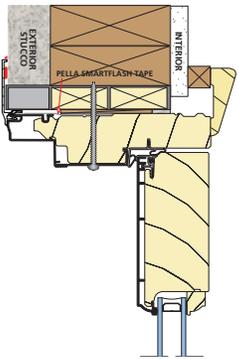
When applying siding, brick veneer, flashing, or other exterior finish materials, leave adequate space between the door frame and the material for application of sealant.

Flush Flange Doors:

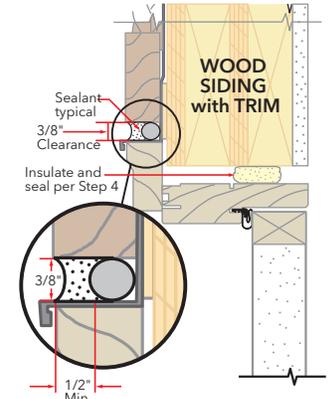
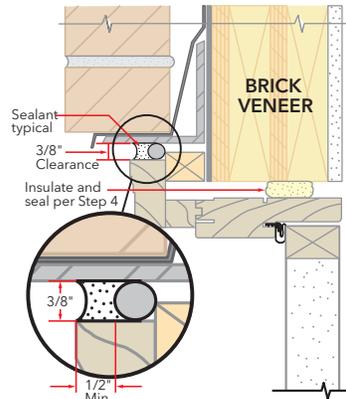
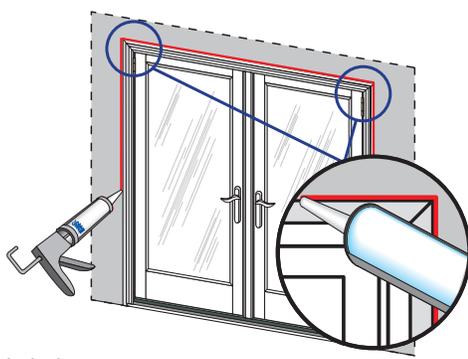
- A. Place a corner bead of sealant on the edge of the flush flange on the top and sides.

Brickmould Doors:

- A. Insert backer rod 3/8" deep in the space around the door. Backer rod adds shape and controls the depth of the sealant line.
B. Apply a continuous bead of sealant to the entire perimeter of the door.
C. Shape, tool and clean excess sealant. When finished, the sealant should be the shape of an hourglass.



Flush Flange Doors

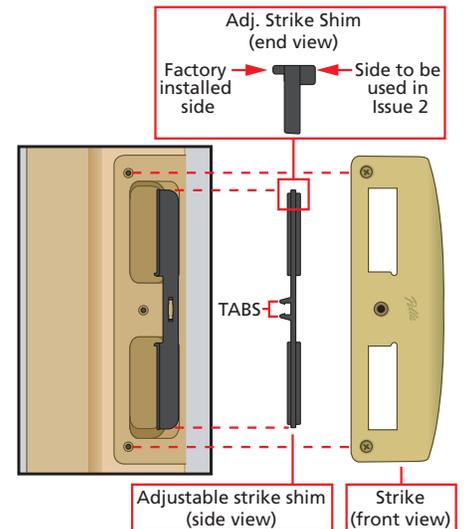


TROUBLESHOOTING - ADJUSTABLE STRIKE LATCHING ISSUES

(Available on Patio doors only)

Issue 1: Door is difficult to latch. Remove the strike and adjustable strike shim then reinstall the strike. Includes image of door handle.

Issue 2: Door needs to close more tightly against the weather-strip. Remove the strike and adjustable strike shim. Remove the tabs from the adjustable strike shim and install so that the thicker side is visible at the strike edge. Reinstall the strike. Includes image of door handle.





OPTIONAL SILL PAN INSTRUCTIONS

- A. **Cut the sill pan** to the width of the rough opening plus 2".
Note: The 2" added onto the rough opening width is for a 1" bend on each end.
- B. **Make a 1" cut in each fold** at both end of the sill pan.
Note: These cuts will allow the edges of the sill pan to be bent.
Note: 4-5/8" wide for Out-Swing and In-Swing for 4-9/16" wall condition. For other wall conditions, measure wall depth and add 1/16".
- C. **Cut 1" off each end of the interior sill pan lip.**
- D. **Bend each end of the center panel up.**
- E. **Install the sill pan by sliding into place** until the exterior sill pan lip is flush with the exterior of the rough opening.
- F. **Apply sill flashing tape.** Cut a piece of flashing tape 2" longer than the opening width. Apply at the bottom of the opening, covering the exterior sill pan lip as shown.
Note: If applicable, apply spray adhesive to building felt prior to applying the flashing tape.
- G. **Cut a piece of flashing tape to the width of the opening.** Install tape to the sill pan and overlap the flashing tape from step 1F by 1". If needed add a second or third piece of flashing tape until the sill pan is covered to the interior sill pan lip.
Note: The purpose of this tape is to seal the sill screws when installing the door.
- H. **Cut two 9" pieces of flashing tape** with a 1" x 3" tab at the bottom, on opposite corners as shown.
- I. **Apply the tabbed 9" pieces of flashing tape.** The tape is applied so 2" will cover the inside of the rough opening and lap over the side flange of the sill pan. The 1" x 3" tab laps over the bottom flashing tape as shown.
- J. **Cut two 6" pieces of flashing tape and apply to each side of the rough opening,** overlapping the first piece by 1" and lapping the bottom over the side flange of the sill pan as shown.
- K. **Cut two pieces of flashing tape 1-1/2" x 6"** and apply to the bottom corners of the opening by beginning in the corner of the sill pan, with 3/4" of the tape applied to the sill pan and 3/4" of the tape applied to the side flange. The remainder of the tape is to be at a 45 degree angle onto the exterior.
- L. **Attach the aluminum sill support or wood blocking** to the exterior of the box plate to support the edge of the door sill. Place the sill support flush with the subfloor.

