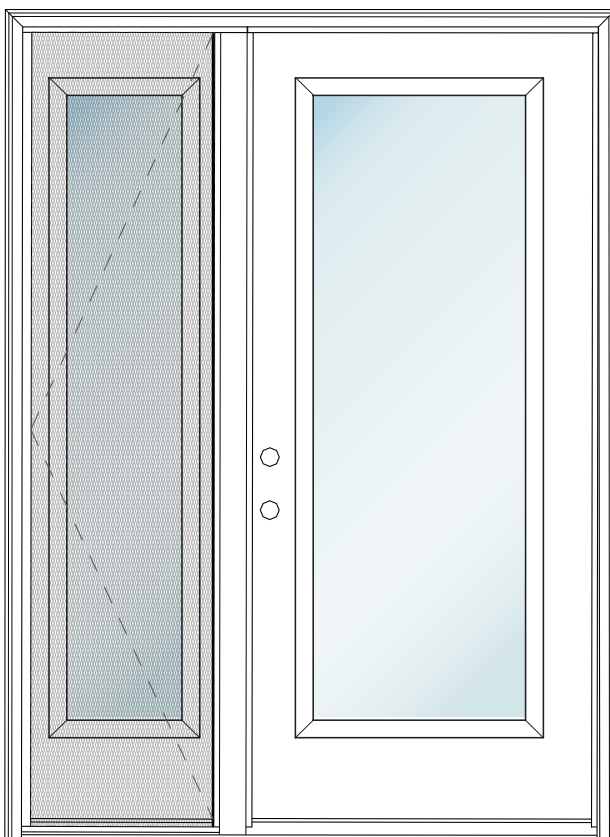




INSTALLATION INSTRUCTION MANUAL

ENTRY DOOR WITH VENTING SIDELITE

(FRAMESAVER™)



** Find QR Codes inside for additional information, helpful installation tips, and videos.*



Contact the local recycling waste management center for waste disposal in the area. Always check local waste requirements and carefully dispose of waste in accordance with Federal and other regulations.



Homes built before 1978 may contain lead paint. All replacement installations must comply with the U.S. EPA's Lead-Based Paint Renovation, Repair, and Painting Program (RRP Rule). Read more about the RRP Rule and lead-safe work practices, on the U.S. EPA's website at: www.epa.gov/lead



GETTING STARTED

MATERIALS YOU WILL NEED

- (1) Box 3" Smooth Shank Exterior Screws
- Shims
- High Quality Silicone Caulking in accordance with ASTM C920, Class 25 & Caulking Gun
- AAMA approved Low-Expanding Window Insulation Foam in accordance with ASTM C1620



REMEMBER: ALWAYS USE THE APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT.



Read these instructions carefully before starting installation. Product warranty does not cover damages resulting from improper installation.



IMPORTANT NOTES BEFORE YOU BEGIN

- Inspect your package for any visible damages to the product. In addition, double check your paperwork with label on product(s) and verify all information is a match. Open packaging to confirm style, color and that order was shipped complete. Double check size of new unit by comparing it for fit to opening.
- If damages or irregularities are found, please scan the product's packaging QR Code label using your phone's QR Code Scanner to access ProVia's **After Sale Product Support** to enter a request and post pictures/videos to the order, or you can call the Customer Support Team at 1-800-669-4711.
- If you have ordered optional items, verify that they are included in packaging contents. This includes checking for multiple packages (For example, 1 of 2 and 2 of 2).
- **IMPORTANT!** TAKE EXTRA CARE when handling the unit on the venting sidelite side. The brickmold is the screen housing.

- For the entry door measuring guide and video, please tap or scan the QR codes shown.

GUIDE



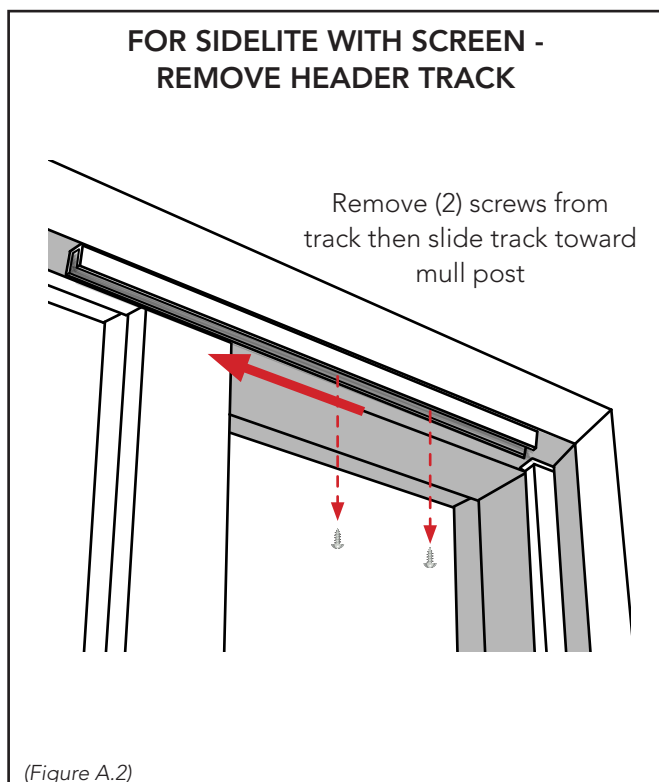
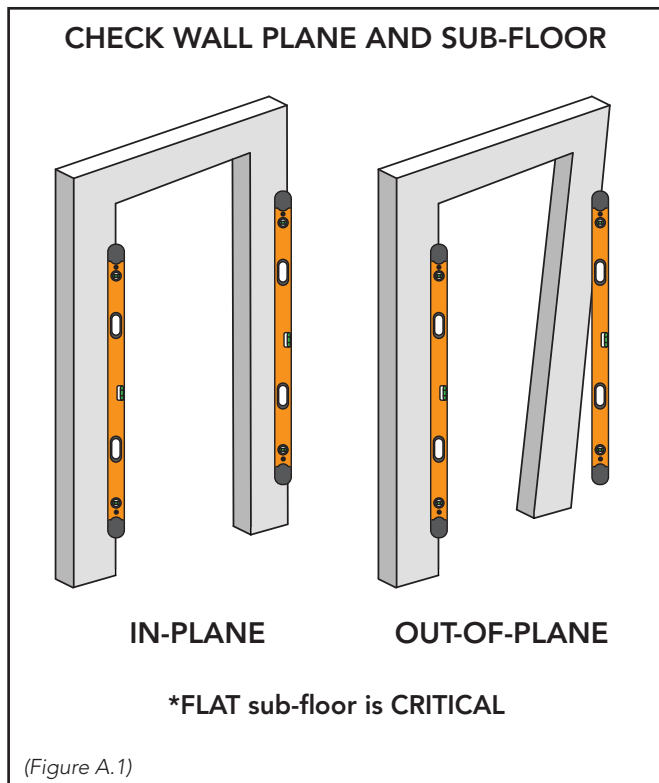
VIDEO



- For the operation of the venting sidelite and the removable mull post, tap or scan the QR code shown.

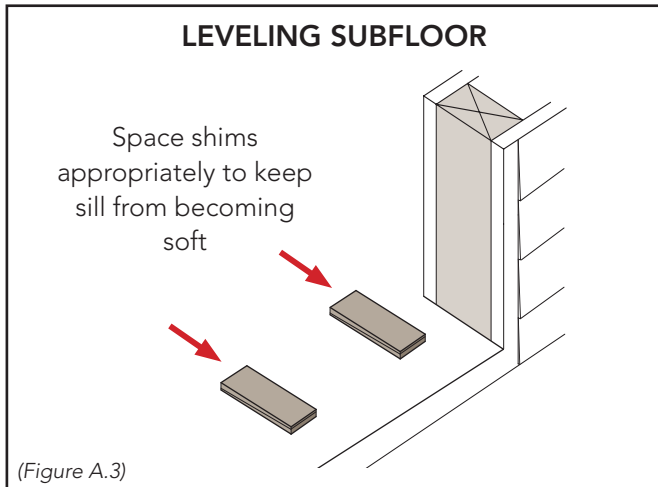


A. PREPARATION



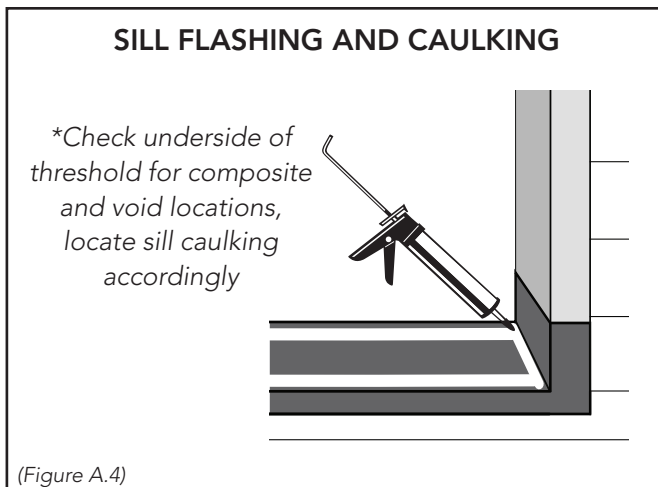
- 1 **For replacement applications**, remove existing door unit to expose rough opening. *Rough opening will be from jack stud to jack stud, and sub-floor to underside of header.* Clean opening of all dirt, debris, and obstructions.
- 2 Check if opposing wall framing is on the same plane. If not, new unit will need to be adjusted to plane during installation. Each vertical jamb side of the unit should be equal and parallel to the other and cannot follow the wall framing if framing is out of plane. (Figure A.1)
- 3 Check sub-floor for flat. Measure and check to be sure new door slab will clear carpet, hardwood, rug, etc. Sub-floor may need to be built up.
- 4 If vented sidelite was ordered with a screen, the header screen track must be removed in order to remove brickmold cladding. Remove the (2) header screen track screws located between weatherstripping. Slide track toward mull post to remove. **DO NOT attempt to remove the vertical jamb cladding behind the screen housing, housing is permanently factory applied.** (Fig. A.2)
- 5 For units ordered with cladding, remove the loose brickmold cladding. If unit was specifically ordered with jamb cladding to ship loose, remove at this time.
- 6 Remove shipping slats from bottom of threshold. **TAKE EXTRA CARE when handling unit using the vented sidelite side. The brickmold is the SCREEN HOUSING.**
- 7 Dry fit unit to confirm opening clearances and plane of door. **Note**, the vented sidelite hinges protrude past frame. Make any necessary adjustments to allow for the extra ½" clearance required for hinges. Remove door and make any necessary modifications to opening.
- 8 Check to be sure exterior threshold edge is fully supported. Support as needed.

A. PREPARATION (CONTINUED)



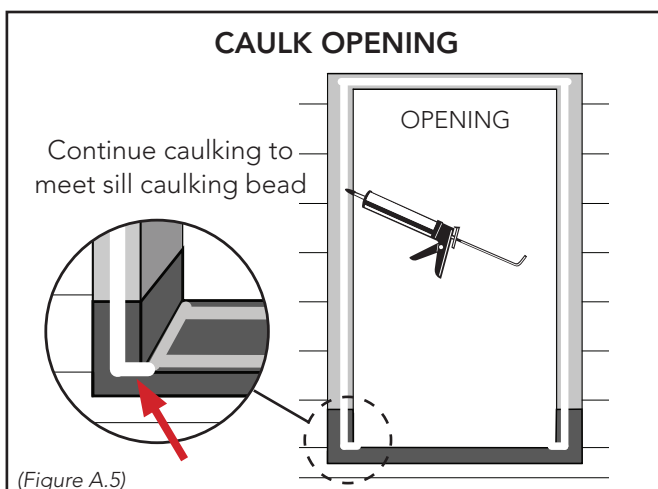
! **IMPORTANT!** A flat sill is critical. If sill is **NOT** flat and straight, it must be shimmed for proper operation of door. Be careful to **NOT** over shim. Improper shimming may change the margins and jeopardize door operation.

- 9 Re-check sill for flat. If needed, place wood shims between subfloor and threshold to correct minor leveling and margin adjustments, $\frac{1}{8}$ " or less. (Figure A.3)



- 10 Apply flashing to sill opening in accordance with local building codes and best practices. (Figure A.4)

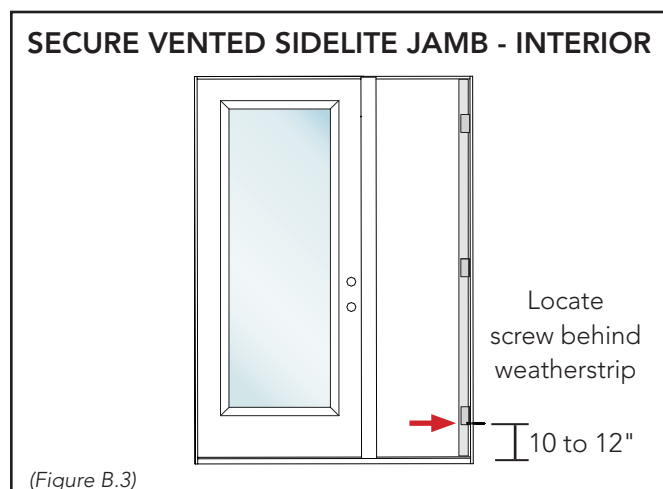
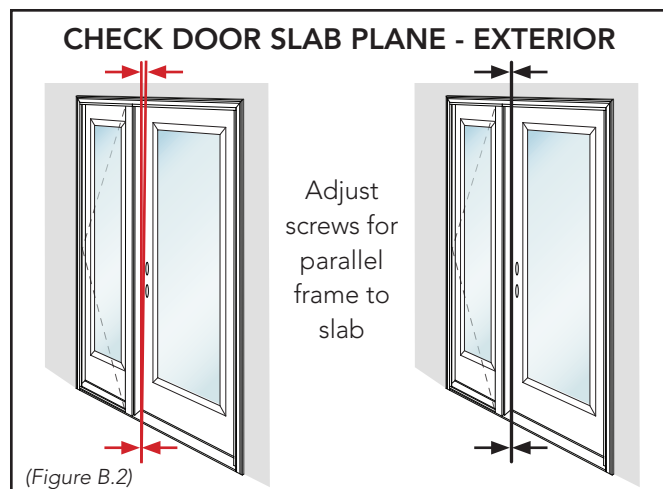
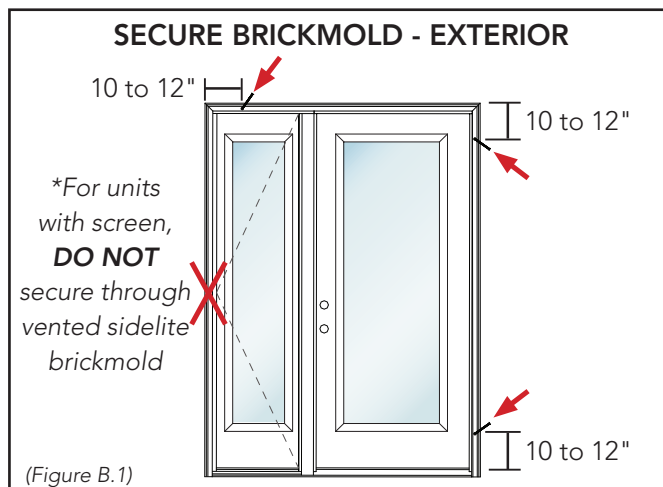
- 11 Replace drip cap at the top of the opening if necessary.



- 12 Apply (2) generous beads of premium caulking compound to sill flashing for the full LENGTH of opening. Check the underside of threshold to make sure caulking will contact threshold. Some thresholds have voids. At each end of opening, apply (1) caulking bead along the WIDTH of sill. (Figure A.4)

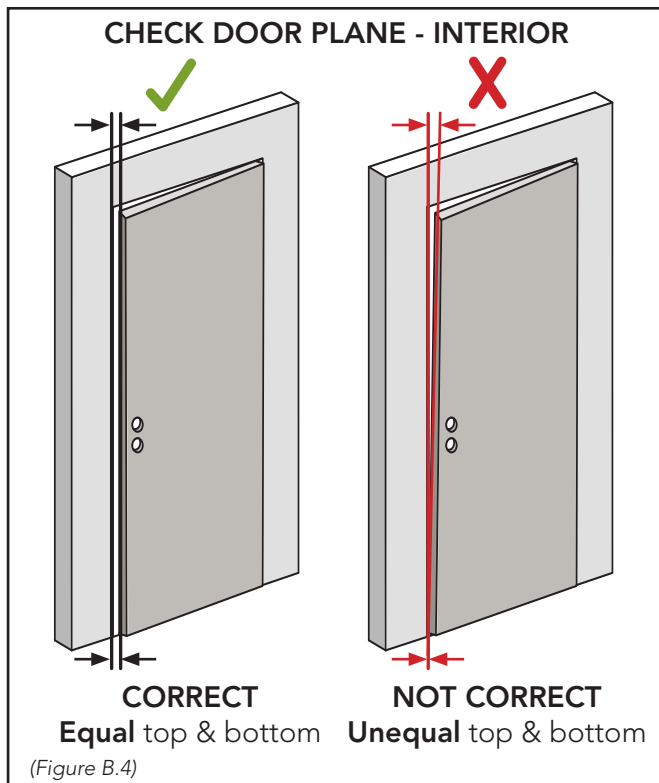
- 13 On the exterior sheathing or weather resistant barrier, apply a bead of caulking around perimeter of opening to seat brickmold (unit will be set in following Section). Continue bottom of each vertical bead to meet sill caulking for a complete seal. (Figure A.5)

B. INSTALLATION



- 1 Set new unit into opening with sill first. From the interior side, center door on existing base board or paint lines.
 - 2 Install (2) smooth shank screws on the door slab hinge side (or fixed sidelite side) of brickmold. Locate 10 to 12" from the top and bottom. *Note, full-thread screws can be used in place of decking screws. Units with screen, DO NOT install screws through the vented sidelite brickmold SCREEN HOUSING. This WILL damage screen.* (Figure B.1)
 - 3 Install (1) screw in the header brickmold. Locate 10 to 12" in from vented sidelite jamb side. (Figure B.1)
 - 4 From the EXTERIOR, check the plane between closed slab and frame. Use the (3) brickmold screws to adjust the frame to straight and parallel with slab. (Figure B.2)
-  To complete following Steps, install the vented sidelite latch knob per the included manufacturer's instruction.
- 5 Open sidelite. From the INTERIOR on the hinge side jamb, pre-drill and install (1) smooth shank screw behind weatherstrip, 10 to 12" up from bottom. **Units with NO screen** can secure through the brickmold. **DO NOT OVER TIGHTEN AND PULL FRAME.** (Figure B.3)
-  **IMPORTANT!** Be careful with initial opening of door slab. Shipping brackets **WILL DAMAGE JAMB** if opened without lifting to un-weight.
- 6 Remove the shipping bracket. First, remove (2) screws in jamb. **BEFORE OPENING DOOR**, use handle set prep holes to lift and un-weight door slab, then open. Remove bracket and discard.

B. INSTALLATION (CONTINUED)



- 7** From the **INTERIOR**, re-check the plane between slab and frame. Compare the edge of door slab to edge of strike jamb. Edges need to be parallel. If door is out of plane (*the slab and jamb edge are not parallel*), use brickmold screws to adjust as required. Throughout installation, keep an eye on plane of the vented sidelite. Adjust if needed. (Figure B.4)

! IMPORTANT! Plane adjustment is critical for operation and sealing performance. Plane should be continuously monitored throughout installation. Confirm all adjustments made did not compromise plane. Adjustments to plane after completing install may require removal and re-installation.

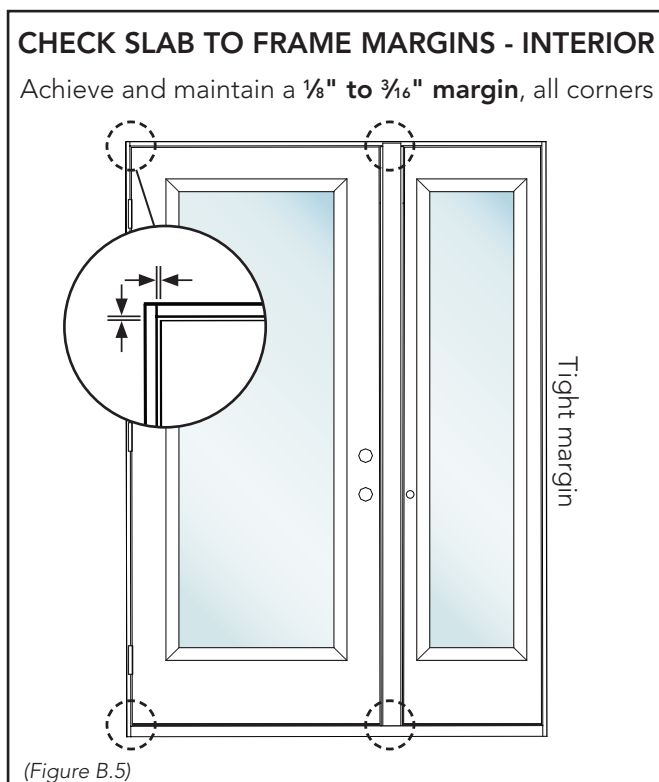
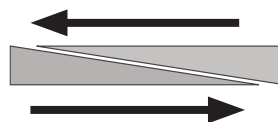
- 8** Throughout installation, continuously monitor the slab to frame margin. Shims and screws must be installed and adjusted as instructed to achieve a $\frac{1}{8}$ " - $\frac{3}{16}$ " margin at all corners of active door slab. **NOTE**, the vented sidelite to jamb side margin will be tight. (Figure B.5)

For specific shimming and securing, refer to:

- **STEP 9** for unit with a vented sidelite only.
- **STEP 10** for unit with a fixed sidelite and a vented sidelite.

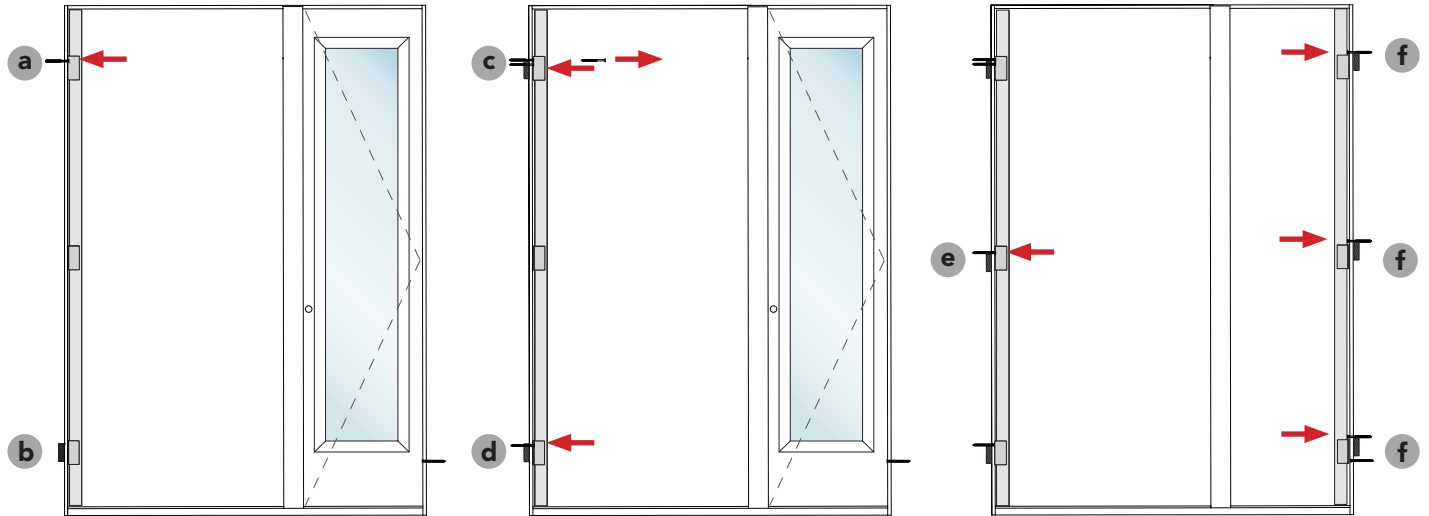
! IMPORTANT! **PRE-DRILL FRAME FOR ALL SCREWS TO BE INSTALLED.** Use a $\frac{1}{8}$ " drill bit to protect frame from splitting.

! IMPORTANT! **CORRECT** shimming application; stack wedge shaped shims contrasting and plane to plane. See diagram below.



B. INSTALLATION (CONTINUED)

SECURE AND SHIM JAMBS - INTERIOR



(Figure B.6)

9 FOR UNITS WITH VENTING SIDELITE:

- Install (1) smooth shank screw (not provided) into the top hinge to draw top of door slab towards the hinge side jamb. Use this screw for adjustment. (Figure B.6)
- Install stacked shims behind the bottom hinge. Use the top hinge adjustment screw and shims behind the bottom hinge to set a $\frac{1}{8}$ " - $\frac{3}{16}$ " margin between the door slab and jamb at all corners. (Figure B.6)
- Install shims behind top hinge until tight to the adjuster screw. Install (1) #10 x $2\frac{1}{2}$ " screw (provided) in the remaining open hinge hole. Remove and replace the adjustment screw with a #10 x $2\frac{1}{2}$ " screw.

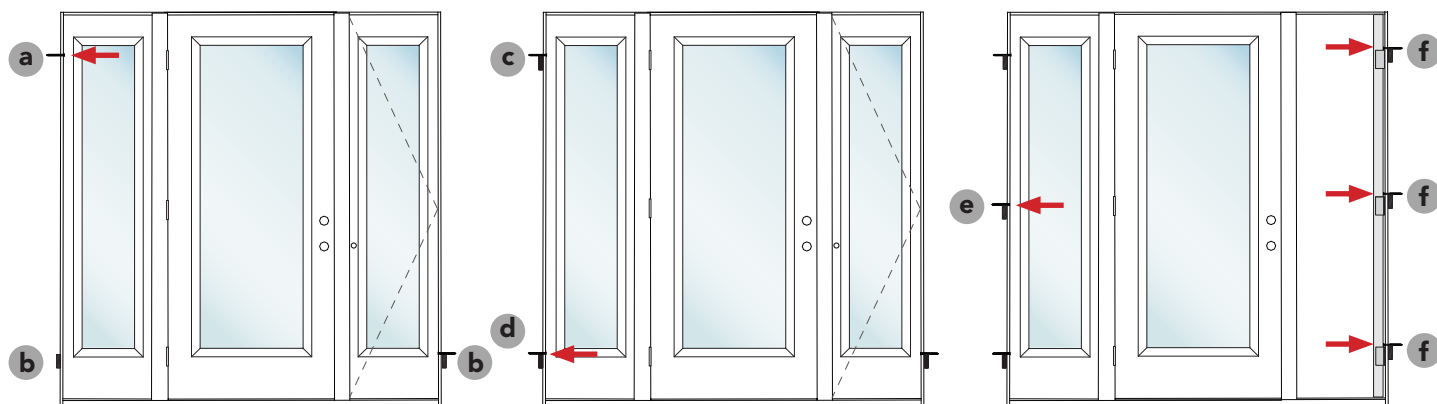
NOTE: The #10 x $2\frac{1}{2}$ " hinge screws will be included in the hardware box or stapled to the jamb side.

- For a 3-HINGE DOOR, (4) screws provided.
- For a 4-HINGE DOOR, (5) screws provided.

- At bottom hinge, pre-drill and install a #10 x $2\frac{1}{2}$ " screw in open hole(s). (Figure B.6)
- At middle hinge(s), pre-drill and install a #10 x $2\frac{1}{2}$ " screw in open hole(s). Snug up screw, **DO NOT OVER TIGHTEN**. Shim tight to screw(s). (Figure B.6)
- Open sidelite. From the INTERIOR and behind the weatherstripping, pre-drill and install a smooth shank screw (not provided) above or below each hinge. Shim tight to each screw. Note, depending on how margins may need corrected, shim first and then install screws. (Figure B.6)
- Check slab margins for parallel. Check vented sidelite margins. Reminder, sidelite jamb margin will be tight.
- Pre-drill and install #8 x $2\frac{1}{2}$ " screws (provided) to secure the deadbolt and lock set strike plates.

B. INSTALLATION (CONTINUED)

SECURE AND SHIM JAMBS - INTERIOR

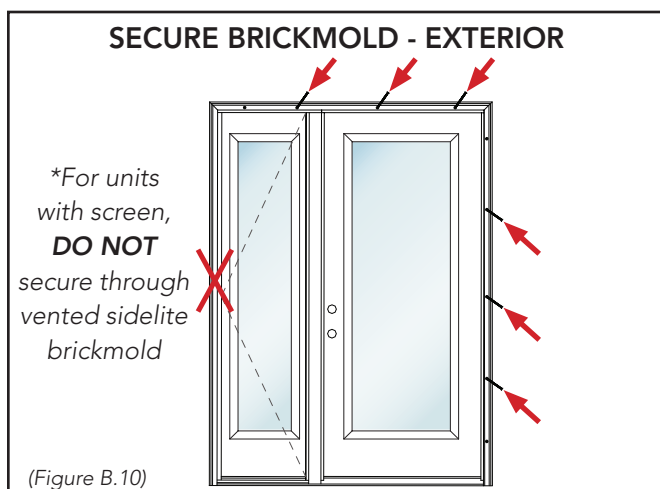
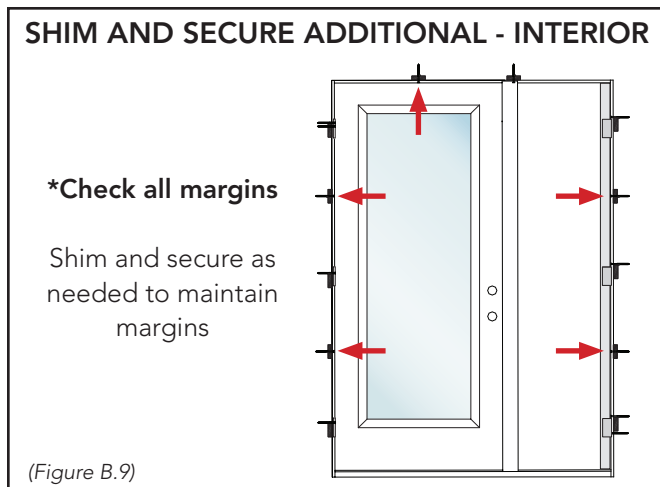
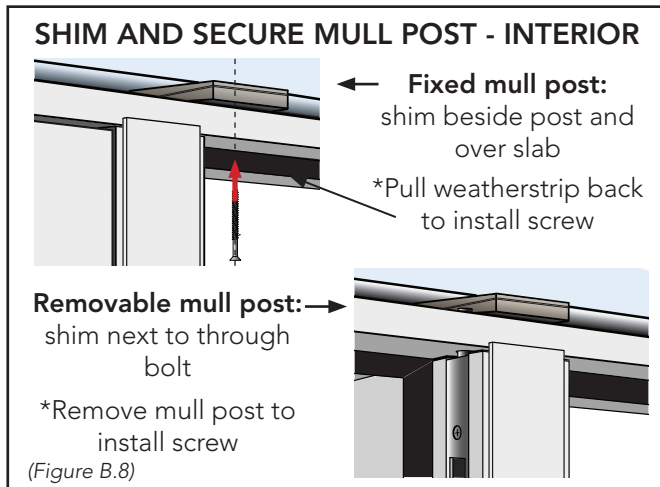


(Figure B.7)

10 FOR UNITS WITH FIXED AND VENTING SIDELITES:

- a. From the EXTERIOR, pre-drill and install (1) smooth shank screw (not provided) into the top of the fixed sidelite jamb to draw top of door slab. Use this screw for adjustment. (Figure B.7)
- b. Install stacked shims behind the bottom jamb screw location on each side. (Bottom vented sidelite jamb screw previously installed in Section B, Step 5.) Use each top adjustment screw and shims behind bottom jambs to set a $\frac{1}{8}$ " to $\frac{3}{16}$ " margin between door slab and jamb at all corners. (Figure B.7)
- c. Install stacked shims behind top screw location until tight to screw. (Figure B.7)
- d. From the EXTERIOR and at bottom fixed sidelite shim location, pre-drill and install smooth shank screw. (Figure B.7)
- e. From the EXTERIOR, pre-drill and install (1) smooth shank screw into the middle of the fixed jamb side. Shim tight to screw. (Figure B.7)
- f. Open sidelite. From the INTERIOR and behind the weatherstripping, pre-drill and install a $2\frac{1}{2}$ " smooth shank screw above or below each hinge. Snug up screws, **DO NOT OVER TIGHTEN**. Shim tight to each screw. (Figure B.7)
- g. Check all margins for parallel. Reminder, sidelite jamb margin will be tight.
- h. Pre-drill and install #8 x $2\frac{1}{2}$ " screws to secure the deadbolt and lock set strike plates.

B. INSTALLATION (CONTINUED)



- 11 For fixed mull post,** install stacked shims directly beside post(s) on slab side. Pull back weatherstripping, pre-drill and install a decking screw at shim location(s). (Figure B.8)
- 12 For removable mull post:**
- Install stacked shims directly above post and next to through-bolt between the frame header and opening. **Shim tight enough to seal the mull post gasket to frame header and to prevent excessive give in mull post. OVER SHIMMING THE POST WILL PREVENT REMOVAL AND RE-INSTALLATION.** (Figure B.8)

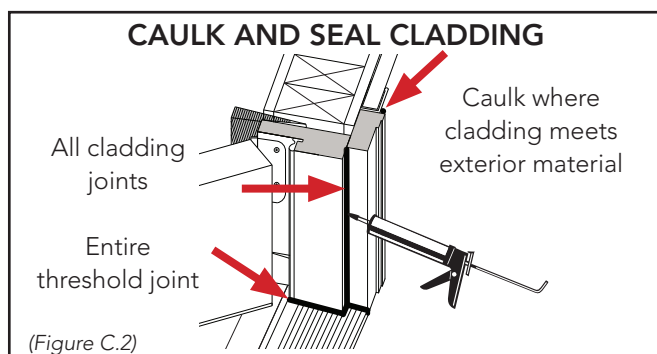
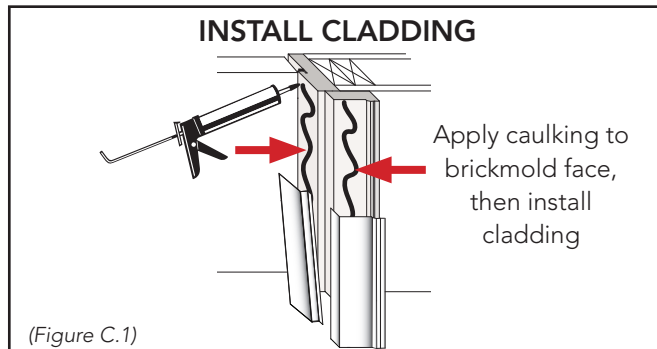
- Remove mull post:
 - Open sidelite
 - Retract bottom pin followed by top pin.
 - Pull top of post to the interior, enough to clear top casing. Lift up and out of the threshold.
- With post removed, pre-drill and install screw through mull post shim. (Figure B.8)
- Re-install mull post.

* Tap or scan the QR code to watch a video on how to remove the mull post.



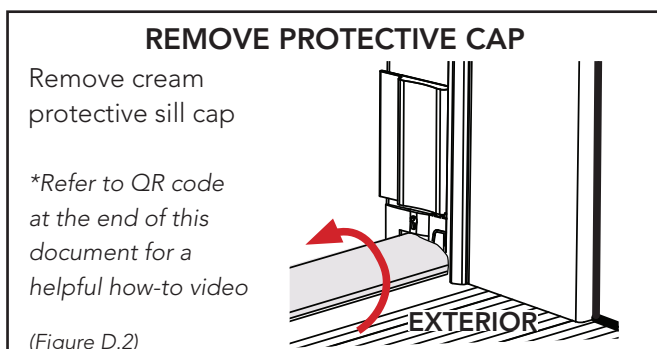
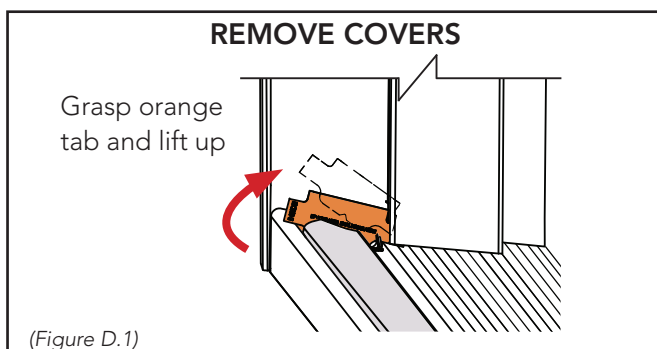
- 13** Final check on all margins. Adjust shims and screws to achieve and maintain a $\frac{1}{8}$ " - $\frac{3}{16}$ " margin around entire door. Shim and secure additional areas of jamb and header as needed to achieve and maintain the margins. Refer to Troubleshooting Section. (Figure B.9)
- 14** Re-install header screen track, if applicable. Make sure the 'T' cap located on top of the screen pull rail slides properly into the track.
- 15** Fully secure unit by installing (3) smooth shank screws through brickmold, each side. **EXCEPT** for units ordered with a vented sidelite screen - screws will puncture screen. (Figure B.10)

C. INSULATE AND SEAL



- 1 Apply a bead of caulking to the brickmold face and fixed sidelite jamb in order to adhere cladding. Re-install cladding. First, install jamb cladding by sliding back edge into the jamb receiver clip then install all remaining cladding. (Figure C.1)
- 2 Caulk along entire joint of threshold, where the jamb and brickmold meet the threshold. (Figure C.2)
- 3 Caulk around ALL cladding joints. Be sure to apply caulking around perimeter where cladding meets exterior sheathing/material. (Figure C.2)
- 4 Insulate with an AAMA approved ASTM C1620 low-expanding foam to fill cavities between frame and opening. **Over use of low-expanding foam may cause frame to bow, jeopardizing door operation.**

D. THRESHOLD: Z-AC™ (AUTO-ADJUST) THRESHOLD ONLY



- 1 Remove the orange protective covers located at each jamb. Grasp tab on the orange protective cover, marked 'Pull-Up'. Gently and slowly, lift up and away from the sill base (*pliers may be required*). **DO NOT** remove any portion of foam gasket during removal of the orange tab. Note, a small portion of the outside gasket edge will be removed with protective cover, this is typical. (Figure D.1)
- 2 Remove the cream protective sill cap cover. For inswing door units, grasp cover from the exterior side, lift and roll. The cap cover may break, this is typical. (Figure D.2)



TROUBLESHOOTING & TIPS

UNITS WITH VENTED SIDELITE ONLY

PROBLEM	CAUSE	SOLUTION
Tapered header margin, Margin is larger on strike-side	1. Sill is not level. 2. Improperly shimmed.	1. Shim directly under the hinge side jamb to raise door slab in frame, 1/8" max. 2. Decrease shim depth behind top hinge-side jamb, and/or increase shim depth behind bottom hinge side jamb.
Tapered header margin, Margin is smaller on strike-side	1. Sill is not level. 2. Improperly shimmed.	1. Shim directly under threshold in mullion area and under the vented sidelite end jamb to raise sidelite and door header away from door slab, 1/8" max. 2. Increase shim depth behind top strike-side sidelite jamb and/or decrease shim depth behind bottom strike-side sidelite jamb.
Strike-side margin is too small, Door slab hits frame on strike side	Over-shimmed.	Slightly loosen hinge-side shims and pull hinge-side frame towards stud by tightening screws behind weatherstripping.
Strike-side margin is too large, more than 3/16"	Under-shimmed.	Increase shim depth behind jamb on hinge-side.

UNITS WITH VENTED AND FIXED SIDELITE

PROBLEM	CAUSE	SOLUTION
Tapered header margin, Margin is larger on strike side	1. Sill is not level. 2. Improperly shimmed.	1. Shim directly under threshold of the hinge side mullion and the fixed sidelite end jamb to raise door slab within frame. 2. Decrease shim depth behind top hinge side sidelite jamb, and/or increase shim depth behind bottom hinge side sidelite jamb.
Tapered header margin, Margin is smaller on strike side	1. Sill is not level. 2. Improperly shimmed.	1. Shim directly under threshold of the strike side mullion area and the vented sidelite end jamb to raise sidelite and door header away from door slab, 1/8" max. 2. Increase shim depth behind top hinge side sidelite jamb and/or decrease shim depth behind bottom hinge-side sidelite jamb.
Strike margin is too wide	Various.	Using a putty knife, cut corrugated fasteners in location of wide margin. Loosen or remove sidelite screw(s) in order to shim as needed in this location to achieve proper margin. Re-install sidelite screws.

Z-AC™ (AUTO-ADJUSTING) THRESHOLD

PROBLEM	CAUSE	SOLUTION
Interference of Z-AC cap with door slab	Sill cap may not be fully seated.	Snap front leg of sill cap into place. Leg of the sill cap should touch the threshold deck when properly seated. If needed, use a rubber mallet to tap into place.

***Please call Customer Support for additional installation inquiries at 1-800-669-4711.**

*** SCAN or TAP the QR Codes**

For additional
information and
helpful videos, visit
our Installation
Support Homepage



**VIDEO: How To
Operate Vented
Sidelite and
Removable Mull Post**



**VIDEO: ZAC
Threshold Prep**



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2150 State Route 39, Sugarcreek, OH 44681
Phone: 330.852.4711 • Fax: 877.735.2057
provia.com