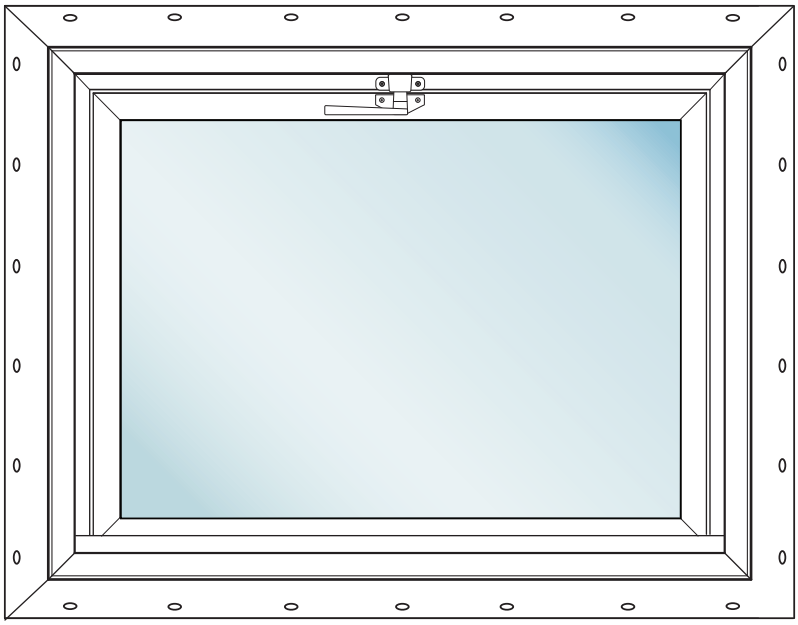
# INSTALLATION INSTRUCTIONS
# VINYL HOPPER WINDOW WITH NAIL FIN
## (ASPECT™, ENDURE™ AND ECOLITE™)



**** 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

ProVia®
THE PROFESSIONAL WAY

# GETTING STARTED

## TOOLS & MATERIALS YOU WILL NEED

- Tape Measure
- Pencil
- Shims
- Drill & Drill Bits
- Utility Knife
- 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
- Putty Knife
- Square
- Level
- Hammer or Mallet
- (1) Box Stainless Steel or Galvanized Roofing Nails
- 6" or 9" Adhesive Flashing Tape in accordance with ASTM D779
- Weather-Resistant Barrier Paper

**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 Service 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).

# VINYL HOPPER WINDOW CONTENTS

**NOTE: Please refer to information below for the assembly and installation contents.**

## Assembly Contents

**Vinyl Window Unit (3¼" Main Frame Depth)**

**OPTIONS:**
- Integral Nail Fin
- Integral Nail Fin & J-Channel
- Brickmold Nail Fin w/ J-Channel (Sill Brickmold), (factory installed only)
- Brickmold Nail Fin w/ J-Channel (4 sides), (factory installed only)
- J-Channel Filler (Cover) Strip, (factory installed or shipped loose), Part #: S-VR-667-01
  *(Refer to Section 'A' for installation)*

**Mullion Kit** (Only included when field mulling is necessary): *(Refer to Section 'G' & 'H'))*
- (2) Snap Mullion, Part #: S-VE-8410-01
- Header Cover, Part #: S-VR-658-01 or S-VR-659-01
- Header Cover Screw Pack (Qty 5), Part #: S-HS-600S-01
- Stacking Plate (Mull Strap) Pack, Part #: S-HG-604P-00

## Installation Pack
S-HS-521S-01

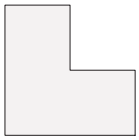
(6) ⅜" Low Profile Hole Plug, (Color Matched White), Part #: S-HG-698-01

(6) #8 x 2" Phillips Pan Head Screws, Part #: S-HS-046-00

(2) #6 x ½" Phillips Pan Head Screws, (Color Matched White), Part #: S-HS-783-01 (**NOT USED** with nail fin units)

## Optional Accessory Installation Pack
S-HG-330S-00

(2) Nailing Fin Corner Seal Pads, Part #: S-HG-330-00



(16)#6 - 20 x 3/8" Phillips Pan Head Screws, Part #: S-HS-771-00
**(Used for Aeris window units only)**

# VINYL WINDOW INSTALLATION GUIDELINES

- Windows achieve maximum performance from proper installation methods such as square frame, level sill and constant margins between sash and master frame.

- A window gains strength from the surrounding wall structure. This is obtained with proper sizing, support and installation methods.

- Use a high quality grade of silicone with a neutral base. A silicone which releases an acetic acid during the curing process will not adhere to the vinyl.

- Approved sealants for this use must meet the requirements of ASTM C920, Class 25.

- The plastic applied to UV resistant paint finish windows is for the protection of the paint finish and should remain on the window until the installation is complete.

- **DO NOT OBSTRUCT WEEP HOLES** with flashing or sealant. The weep holes located at the bottom sill area of window are necessary to prevent water accumulation. Covering or applying trim to the product will need to allow for proper drainage. Failure to do so will create a risk of water infiltration.

- Windows should be stored in a cool location. **DO NOT** store in direct sunlight or in non-vented hot containers.

- **IMPORTANT!** Allow for expansion and contraction of the window unit when contacting exterior finish material. For installation of the finished exterior material surrounding the window, tap or scan the QR code shown for all gap recommendations per exterior material type.
  **THIS INFORMATION MUST BE PASSED TO THE EXTERIOR FINISH INSTALLER.**

- Window flashing must be used with all window installations to prevent air and water infiltration. Flash all windows in accordance with the ASTM E2112 standards (method A1, shown in this instruction). Use 6" or 9" adhesive flashing in all applications or conform to local code.

- All flashing material must be waterproof in accordance with ASTM D779. Use a roller over the applied tape to ensure full adhesion and no voids.

- All flashing and weather resistant barrier (house wrap/building paper) materials must be installed in a weatherboard fashion. Install and layer starting at the bottom and work upward.

- Fasteners for securing the nail fin of the window must be non-corrosive galvanized roofing nails or pan head screws. Nails should be at least 1¾" in length with the head of the roofing nail wide enough to cover the pre-punched slot of the nailing fin. The roofing nail must be able to penetrate the framing material by at least 1". Pan head screws should be at least 1¾" in length and should NOT deform the nail fin.

- **DO NOT INSTALL** new construction nail fin onto foam or non-skid material.

- **DO NOT INSTALL** roofing nails into nailing fin with an air gun or pneumatic device. Doing so will cause distortion or fracture of the nailing fins. All nailing fins must be secured by hand through the pre-punched nailing holes.

## IMPORTANT INFORMATION!

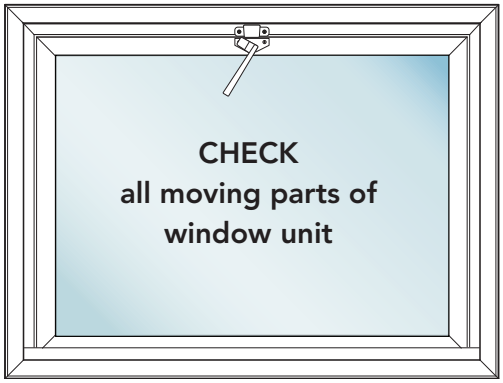
**• ProVia understands there are various methods and conditions affecting the installation of a replacement window. We feel the most critical steps to follow are securing and shimming as instructed in this document.**

**FIELD MULLED WINDOW UNITS:**

**• Refer to Section G, Field Mulling Window Units, page 14 and Section H, Install Header Mullion Cover, page 15 - 16. Units must be mulled together before window unit is set into the opening.**

# A. INSPECT AND PREPARE VINYL WINDOW UNIT

### INSPECT HOPPER AND SCREEN




*(Figure A.1)*

***IMPORTANT! Window units with painted exterior, DO NOT remove protective plastic cover until after installation is completed.***

***For units to be field mulled, complete Section A, then proceed to Section G - 'Field Mulling Window Units'. After mulling is complete, resume instruction to complete.***

1 Inspect new window unit and screen for any material damages. Check all moving parts; locks, all operational hardware, glass, etc. Close and lock window unit to engage seals, locks, and weatherstripping.

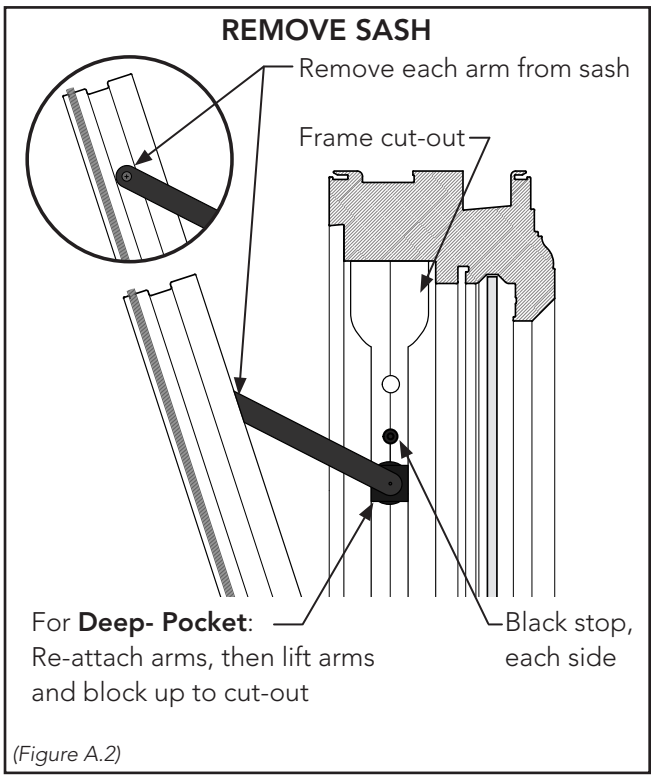
**NOTE:** Moving parts can be repaired AFTER window is installed. Scan the product packaging QR Code label to access ProVia's **After Sale Product Support** to enter a request and post pictures to order or call the Customer Service Team.

2 Determine ceiling clearance over and around window for proper window unit preparation.

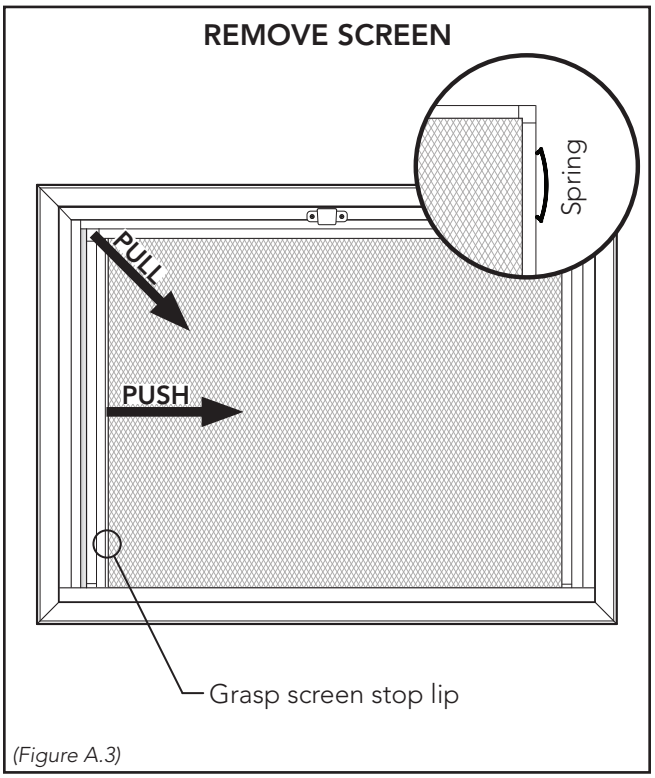
a.) **Standard Ceiling Application:** window unit is below ceiling with full access around entire unit.

b.) **Deep-Pocket (Well) Application:** window unit is to be located within a deep wall pocket or tight to a drop or suspended ceiling, restricting access to the window.

# A. INSPECT AND PREPARE VINYL WINDOW UNIT (CONT.)




*(Figure A.2)*




*(Figure A.3)*

**Screen and sash must be removed before installation. The sash must be removed first in order to remove screen. Screen and sash will be re-installed AFTER frame installation. Refer to following steps.**

**3**

**Prepare Window - Sash Removal**
**Standard Ceiling Application:** *(Figure A.2)*

a.) Open sash, use a Phillips screwdriver to disconnect arms from sash.
b.) Carefully lay sash horizontal to frame.
c.) Lift sash pivot pins from shoe turnbuckle. Sash may need lifted with one side ahead of other to gain proper clearance.

**Deep-Pocket Ceiling Application:** *(Fig. A.2)*

a.) Open sash, use a Phillips screwdriver to disconnect arms from sash.
b.) Carefully lay sash horizontal to frame.
c.) Remove black stop from each frame side.
d.) Slide each arm and block up to frame cutout and remove.
e.) Re-connect arms to sash. This step is required for installation with limited access.
f.) Lift sash pivot pins from shoe turnbuckle. Sash may need lifted with one side ahead of other to gain proper clearance.

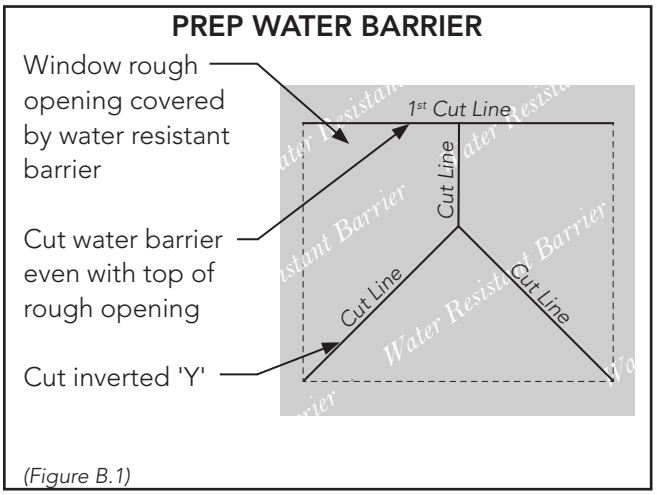
**4**

**Remove the screen:** *(Figure A.3)*

a.) From the interior, gasp screen stop lip to pull screen towards the right side, compressing the (2) screen springs.
b.) Holding screen compressed, pull top left corner then bottom left corner to the interior to free from exterior track.

**** REMINDER: DO NOT re-install sash or screen until after frame is installed.***

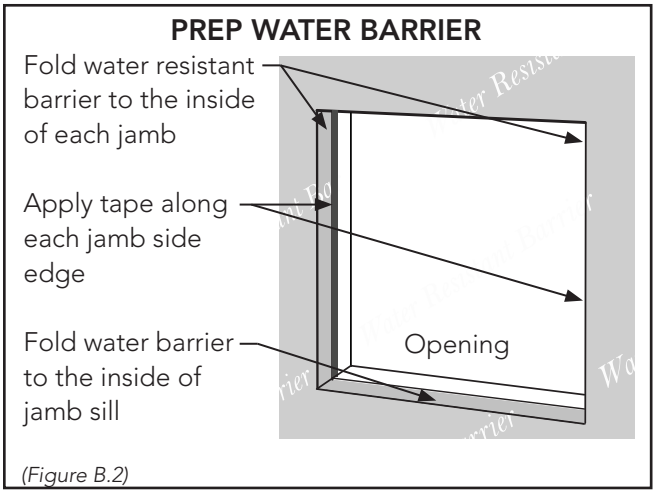
# B. WATER RESISTANT BARRIER




**1** If water resistant barrier is covering window rough opening, cut as follows to expose opening.

a. Cut the water barrier even with the top edge of the rough opening.

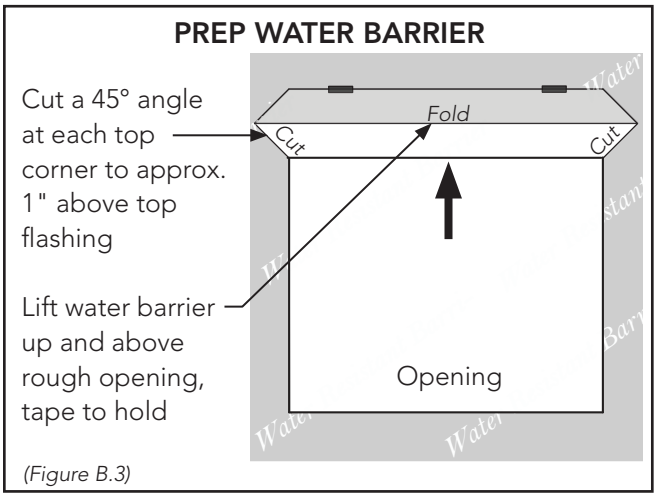
b. Cut the water barrier at an inverted 'Y' in center of rough opening, each leg at a 45° angle to corner, as illustrated. *(Figure B.1)*




**2** Fold the water resistant barrier to the inside of each jamb side and jamb sill. Trim each flap to center of jamb. *(Figure B.2)*

**3** Apply adhesive flashing tape to the water resistant barrier cut edge at each jamb side to seal edges. *(Figure B.2)*

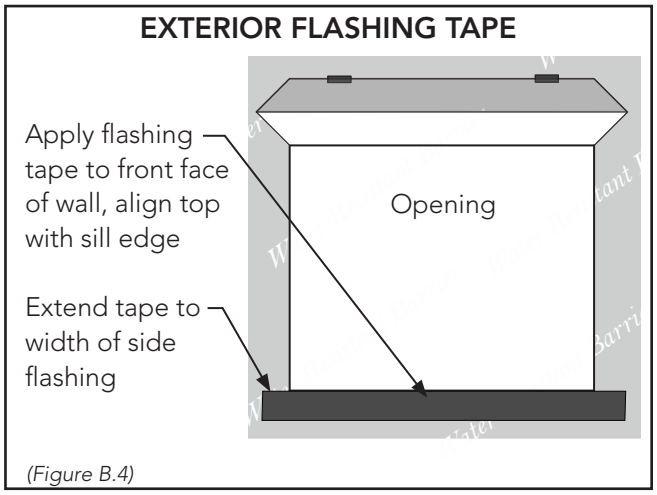
**NOTE: DO NOT** apply tape to the top or bottom cut edge of the water barrier until noted in the instruction.




**4** Cut a 45° angle in the water resistant barrier at each top corner to approximately 1" above top flashing. Cut should extend high enough to be above header flashing tape (to be installed in later step). *(Figure B.3)*

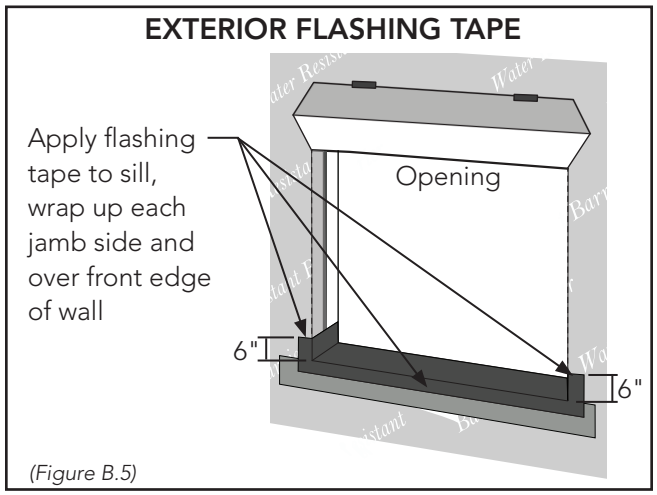
**5** Lift the water resistant barrier flap up and away from rough opening. Apply adhesive tape to hold in place, as illustrated. *(Figure B.3)*

# B. WATER RESISTANT BARRIER (CONTINUED)



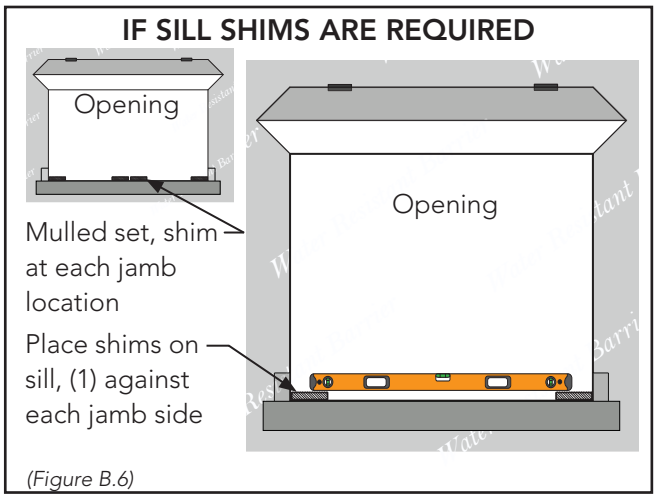

*(Figure B.4)*

**6** Apply adhesive flashing tape to the front face of wall, below sill. Top of tape should align with the sill edge. Extend each end of the flashing tape to width of side flashing (to be installed in a later step). *(Figure B.4)*




*(Figure B.5)*

**7** Apply adhesive flashing tape to the sill. Tape should begin and end approximately 6" above sill on each jamb side. Be sure to wrap tape over the front edge of wall, as illustrated. Wrapping tape will seal and protect wood from moisture leakage. *(Figure B.5)*




*(Figure B.6)*

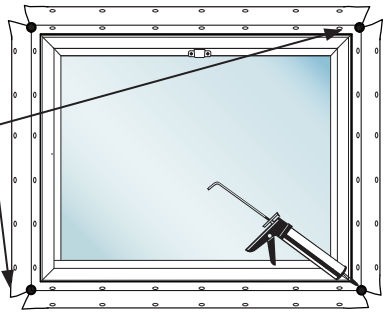
**8** Place and level shims on the sill, (1) against each jamb side of opening. Shims will provide support to window jambs and level window sill. Be careful shims DO NOT tilt sill toward inside of home. For mulled sets, place shims under all side jamb locations. *(Figure B.6)*

**NOTE:** If foam wrap is used under sill, shim thickness **MUST** be increased to prevent foam wrap from crowning the sill.

# C. PREP ACCESSORY AND SET WINDOW UNIT

**INTERIOR SIDE**

Open non-welded corner miter, push outward on joint. Fill open corner with caulking. Reseat the corner and remove any excess, all (4) sides

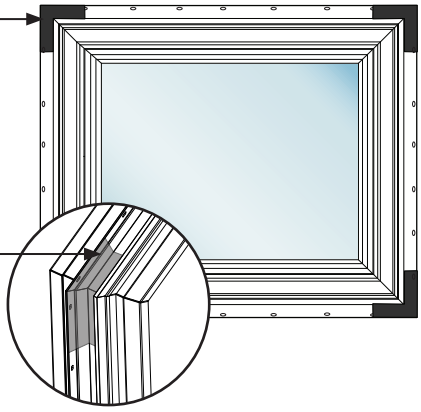


*(Figure C.1)*

**EXTERIOR SIDE**

Apply corner pads or flashing tape to each exterior corner miter of vinyl accessory, covering miter joint in full

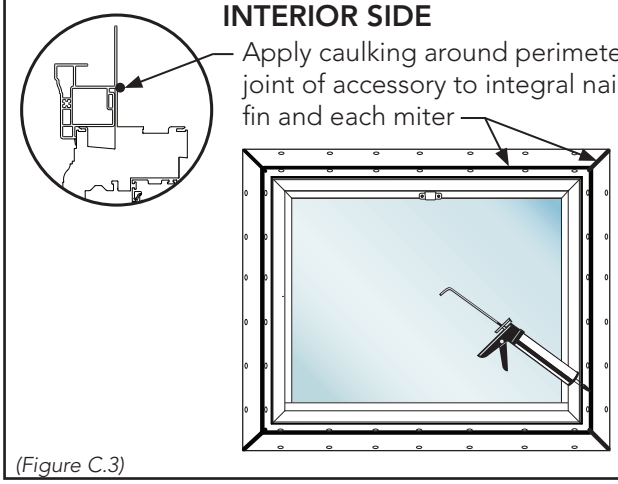
Wrap tape around the miter and inside channel



*(Figure C.2)*

**INTERIOR SIDE**

Apply caulking around perimeter joint of accessory to integral nail fin and each miter



*(Figure C.3)*

**The vinyl accessory must be installed before setting into the opening. The steps provided in this section will apply to nail fin, nail fin with J-channel, and brickmold with J-channel - both factory installed and shipped loose.**

**1** If vinyl accessory is shipped loose, snap accessory in place, all (4) sides.

**NOTE:** For shipped loose brickmold with J-channel and sill brickmold with J-channel, refer to the 'Installation Instruction Loose Brickmold with Nailfin' included or scan QR code on back of this instruction.

**2** For mulled units and units with a field installed vinyl accessory, open the non-welded corner miter by pushing outward on joint. Fill the open corner with caulking. Reseat the corner and remove any excess. Repeat on all (4) sides. *(Figure C.1)*

**3** Apply corner seal pads (pack #: S-HG-330S-00 - *note, screws from pack are not used.*) or adhesive flashing tape to each exterior corner miter of the vinyl accessory. Be sure to cover miter fin joint in full. Continue wrapping tape around the miter of the inside channel for a complete seal. Refer to illustration section. *(Figure C.2)*

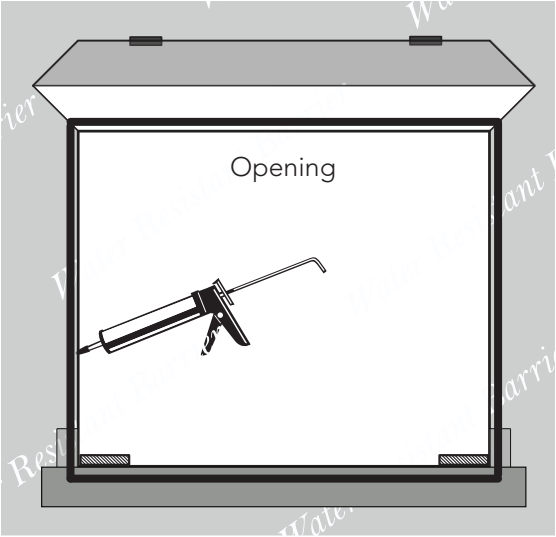
**4** Apply a bead of caulking along interior side of each closed corner miter to seal. *(Figure C.3)*

**5** Apply a bead of caulking around entire inner perimeter joint, where the vinyl accessory meets the frame for a complete seal. *(Figure C.3)*

# C. PREP ACCESSORY AND SET WINDOW UNIT (CONTINUED)

**EXTERIOR SIDE**

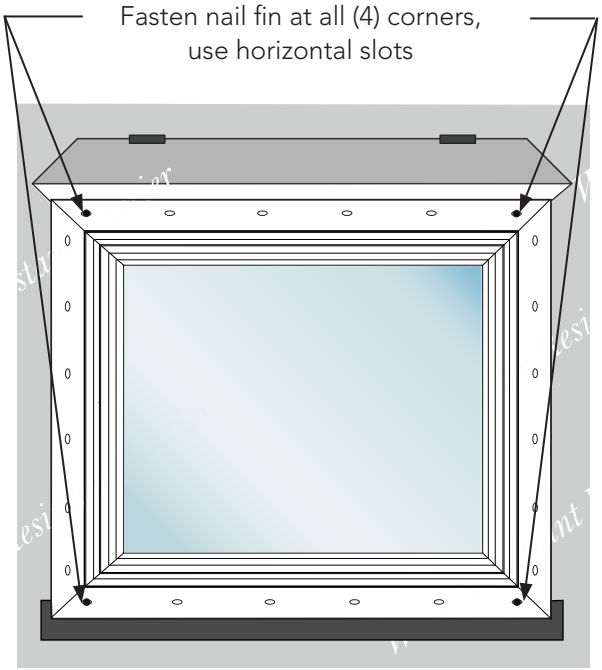
Apply a generous bead of caulking to the exterior sheathing to seat and seal nail fin




*(Figure C.4)*

**FASTEN NAIL FIN CORNERS**

Fasten nail fin at all (4) corners, use horizontal slots



*(Figure C.5)*

**6** Apply a generous ⅜" bead of continuous caulking to the exterior sheathing to seat and seal nail fin when installed. *(Figure C.4)*

**NOTE:** Option to apply a ⅜" bead of continuous caulking to the backside of the nail fin to form a complete seal to sheathing.

**7** Before setting unit in place, make sure sashes are locked.

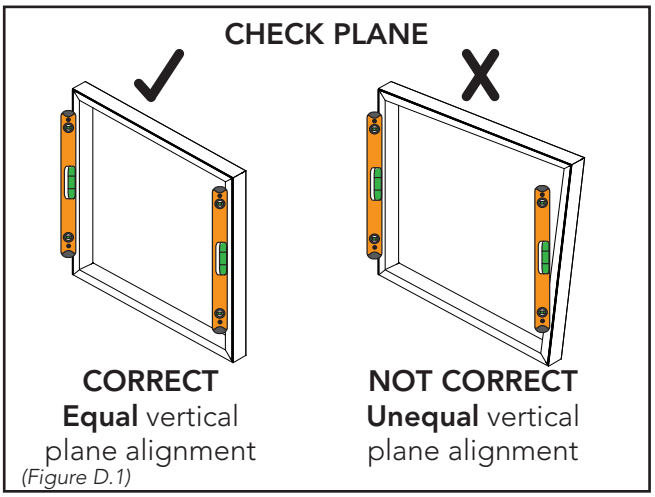
**8** Place window unit into the opening and onto sill shims. Center and square unit in opening. Push nail fin against sheathing and water resistant barrier to bed window unit, forming a tight seal between window unit and water barrier.

**NOTE:** Install window unit immediately after the caulking is applied and before a skin forms on the caulkings surface.

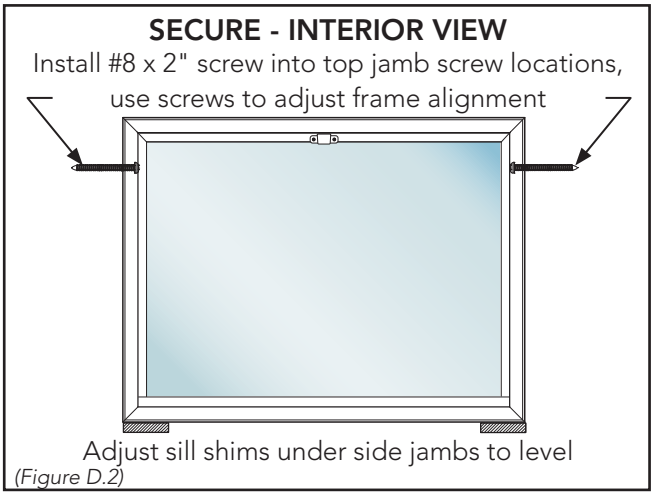
**9** After sill is shimmed, levelled, and preliminarily squared, install a fastener into the horizontal slot at each corner of nail fin to secure window unit in place.
**DO NOT OVER TIGHTEN FASTENER.** This will allow for adjustment in following steps. *(Figure C.5)*

**NOTE: DO NOT** use power tool to install fasteners.

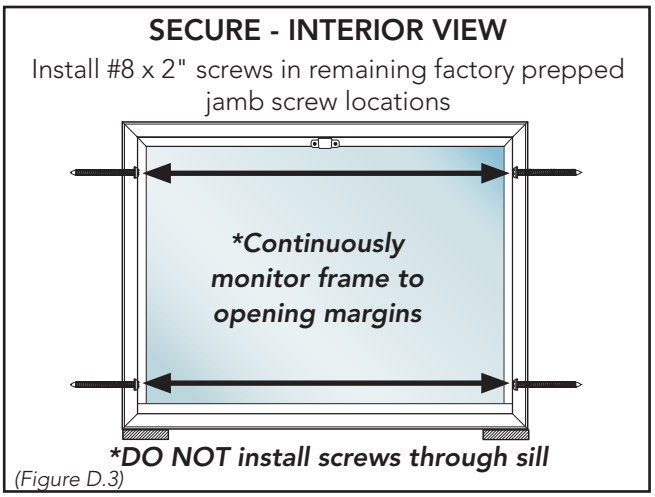
# D. INSTALLATION



*(Figure D.1)*



*(Figure D.2)*



*(Figure D.3)*

**1** Check the plane of the window unit. Each vertical jamb side frame should be equal and parallel to the other. See illustration for equal and unequal plane. ***Frame alignment is critical for the success of installation and sash operation. Frame alignment will need to be CONTINUOUSLY monitored throughout installation.*** *(Figure D.1)*

**2** Install #8 x 2" Phillips pan head screw into each top factory prepped jamb screw location to hold in place. **DO NOT OVER TIGHTEN screw causing frame to pull!** *(Figure D.2)*

**3** Use top screws to adjust frame alignment in to establish an even sash to frame margin along top of sash. *(Figure D.2)*

**4** Use sill shims to adjust sill for level as needed. For mulled units, be sure shims are placed directly under mull location for support.

**REMINDER:** If foam wrap is used under sill, shim thickness **MUST** be increased to prevent sill from crowning.

***IMPORTANT! Shims can be installed prior to screw installation. It is critical to monitor margins through this installation method.***

**5** Install (2 - 4) #8 x 2" Phillips pan head screws. Place a screw in each remaining factory prepped screw location. If unit is prepped in the middle, install bottom screws first. **DO NOT over tighten screws! DO NOT install screws through sill!** *(Figure D.3)*

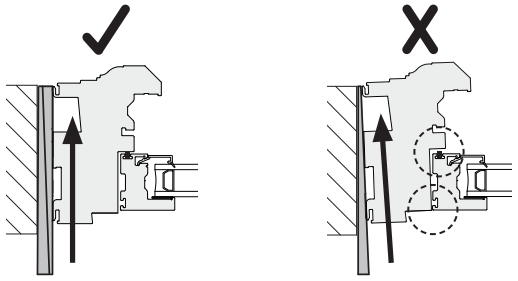
**NOTE:** If spacing between jamb screws is greater than 24", additional jamb screws may need added to stabilize frame. Pre-drill ⅜" hole through first wall of frame.

**NOTE:** Additional jamb screws may need added if foam wrap is used on jambs, causing over-tight margins and difficult sash operation.

**6** Adjust jamb screws as required to achieve straight frame alignment, uniform top and bottom.

# D. INSTALLATION (CONTINUED)

**SHIMMING APPLICATIONS**



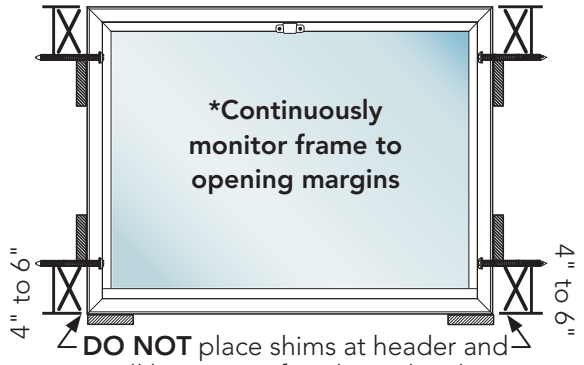
**CORRECT**
Flat shims or wedge shims stacked will result in equal margins

**NOT CORRECT**
A wedge shim will cause frame to roll resulting in unequal margins

*(Figure D.4)*

**SHIMMING - INTERIOR VIEW**

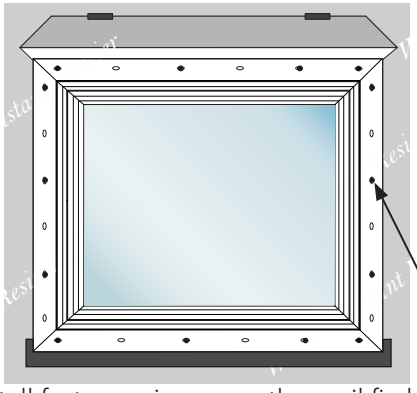
Place stacked shims next to each screw location




**DO NOT** place shims at header and sill locations of jamb, each side

*(Figure D.5)*

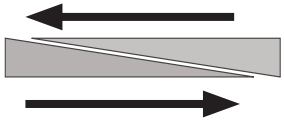
**SECURE NAIL FIN**



Install fasteners in every other nail fin hole

*(Figure D.6)*

***IMPORTANT! CORRECT** shimming application; stack wedge shaped shims contrasting and plane to plane. See diagram below. **DO NOT** use a single wedge shim. This will cause frame to roll, resulting in unequal margins. (Figure D.4)*



**7** Place shims next to each screw location. Be sure top shims are located 4" to 6" from top of unit and bottom shims are 4" to 6" from bottom of unit. If spacing between shims is greater than 12", additional shims may be needed to maintain margins and stabilize frame. Use shims to adjust margins as needed. ***DO NOT over shim. Over shimming may change the margins and jeopardize operational performance.*** *(Figure D.5)*

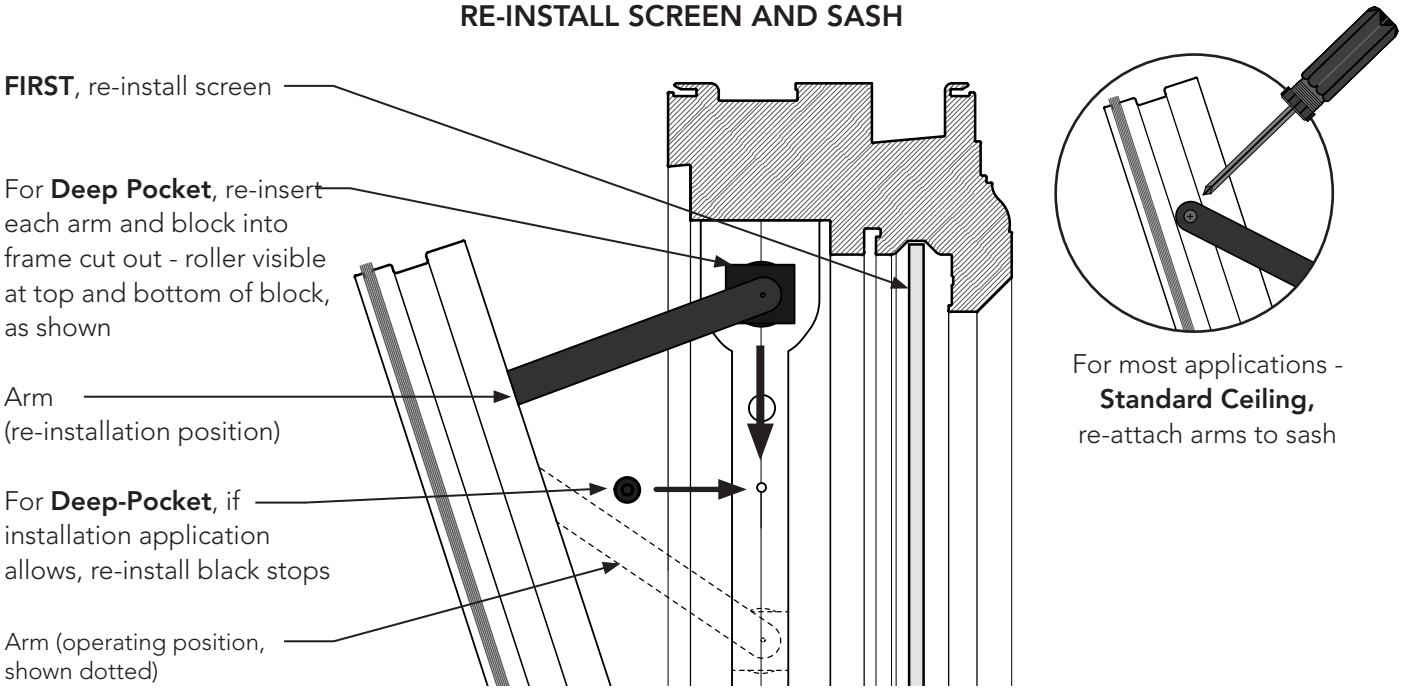
**NOTE:** Allow for vinyl expansion, **DO NOT** place shims at top header and bottom sill locations of jamb sides. Shimming in these locations will cause frame distortion.

**NOTE:** A screw and shim location(s) may be added to header to improve margin.

**8** Final check on frame alignment. Adjust shims and screws as needed to achieve and maintain equal and straight alignment, all sides.

**9** Install fasteners in pre-punched nail fin holes, all (4) sides. Install fasteners in every other hole or as needed to keep nail fin flat. **DO NOT OVER TIGHTEN.** *(Figure D.6)*

# D. INSTALLATION (CONTINUED)




*(Figure D.7)*

**10** **Re-install screen** *(Be sure screen is oriented with screen stop lip to the interior side.)*

a.) From the interior, insert the right side of screen into exterior track of frame.
b.) Use screen stop lip to push screen to the right, compressing springs.
c.) With spring compressed, slightly twist and insert top and bottom left side of screen.

**11** **Re-install sash (Standard Ceiling Applications)** *(Figure D.7)*

a.) Hold sash in horizontal position and insert pins into each shoe located in bottom of frame.
b.) Tilt sash up to re-attach arms with factory screws.

**Re-install sash (Deep-Pocket Ceiling Application)** *(Figure D.7)*

a.) Hold sash in horizontal position and insert pins into each shoe located in bottom of frame.
b.) Tilt sash up to re-insert each arm with block into the frame cut-out.
c.) Tilt sash up until arm blocks are located below black stop locations. Re-install black stops each side if installation application allows.

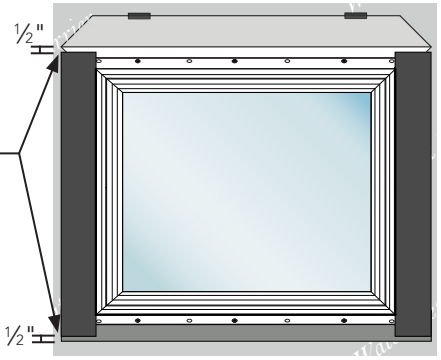
***IMPORTANT! Deep-pocket (well) applications or applications with limited access may not have the accessibility to re-install black stops. Black stops will keep arms from sliding up and over center, preventing sash from closing. If black stops are not re-installed, the sash arms must be manually pushed down to close sash with each operational use.***

**12** **Check sash for proper operation.** For sash operation issues, refer to the Troubleshooting Section.

# E. FLASHING

**EXTERIOR FLASHING TAPE**

Apply flashing tape, ea. jamb side - begin ½" below where top edge of top head flashing will be, stop ½" above bottom edge of sill flashing



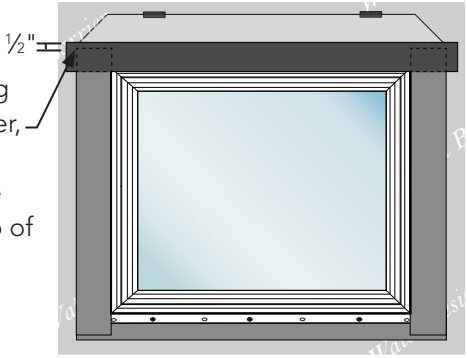

*(Figure E.1)*

**1** Apply adhesive flashing tape to each jamb side. Begin top of the side flashing approximately ½" below where the top edge of the top head flashing will be placed (Refer to Step 3). Stop the bottom of the side flashing approximately ½" above the bottom edge of the front face sill flashing. *(Figure E.1)*

**NOTE:** If window unit has snap-in nail fin, wrap tape onto the window frame, approximately ¼".

**EXTERIOR FLASHING TAPE**

Apply flashing tape to header, top of head flashing to be ½" above top of side flashing




*(Figure E.2)*

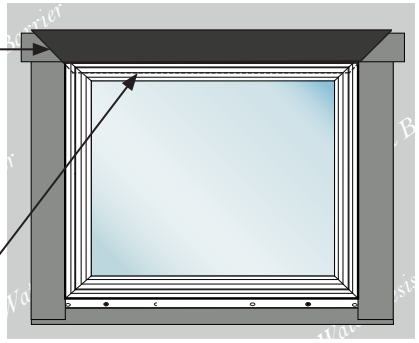
**2** Apply adhesive flashing tape to the header. Place the top of the head flashing approximately ½" above the top of the side flashing. Extend each end of the head flashing approximately 1" beyond the side flashing. *(Figure E.2)*

**NOTE:** If window unit has snap-in nail fin, wrap tape onto the window frame, approximately ¼".

**EXTERIOR FLASHING TAPE**

Remove tape holding water resistant barrier flap, lower flap over head flashing

Trim flap if needed



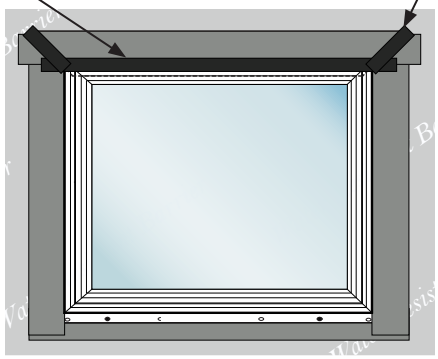
*(Figure E.3)*

**3** Remove tape holding the water resistant barrier flap above header. Lower flap over the header flashing. Trim to top of window frame if needed. *(Figure E.3)*

# E. FLASHING (CONTINUED)

**EXTERIOR FLASHING TAPE**

Apply flashing tape to bottom edge of water barrier then tape ea. 45° corner



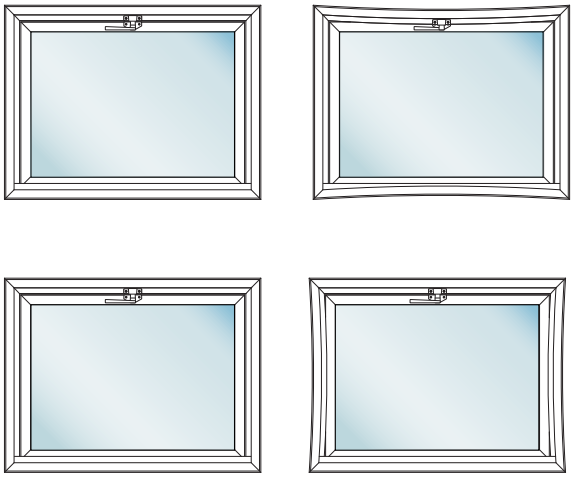
*(Figure E.4)*

**4** Apply adhesive flashing tape to bottom edge of the water resistant barrier flap, as shown. *(Figure E.4)*

**5** Apply adhesive flashing tape to each 45° corner of the water resistant barrier for a complete seal. *(Figure E.4)*

# F. INSULATE

**LOW-EXPANDING FOAM MARGIN CHECK**



**CORRECT**
use of insulation

**NOT CORRECT**
over-use of insulation

*(Figure F.1)*

**1** Install hole plugs into all jamb screw locations.

**2** Close and lock sash.

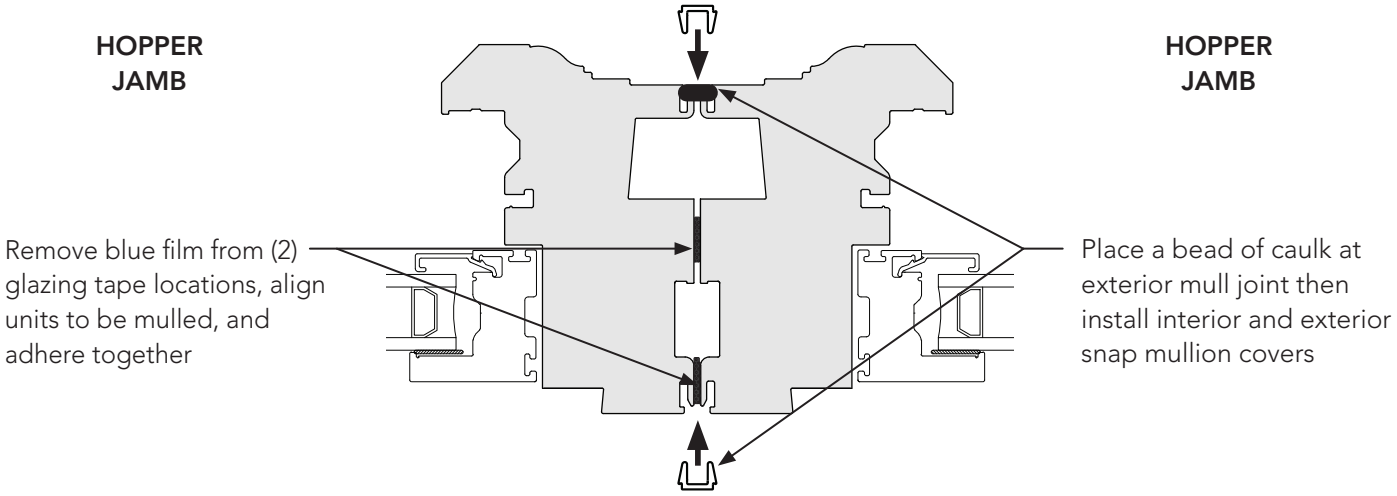
***Sash must operate properly before application of foam insulation.***

**3** From the interior, insulate by using an AAMA approved ASTM C1620 low-expanding foam to fill all cavities between frame and opening. Check and maintain all margins during insulating. ***Over use of low-expanding foam may cause frame to bow, jeopardizing operation of window. (Figure F.1)***

**4** If MasterFit™ Trim is ordered, **DO NOT** nail trim to jamb extension. For installation tips, call Customer Service. Refer to QR code on back for measuring assistance.

# G. FIELD MULLING WINDOW UNITS

**SIDE BY SIDE WINDOW MULL SECTION VIEW**




*(Figure G.1)*

**Field mulling will be required if factory mulled unit size exceeds a specific shipping size parameter. A multiple window unit may ship partially mulled, requiring field mulling to complete the assembly. Units must be mulled together before setting into the opening.**

1. Arrange all windows, EXTERIOR side down, on a stable and well supported surface. Be sure EXTERIOR is fully protected from damage.

2. Check for weld flash at corners, which would prevent windows from a clean and tight mull. Clean away any excess on EXTERIOR and/or in the accessory grooves.

3. One window unit will have glazing tape factory applied. Remove backing from tape, align units to be mulled, and adhere to opposite frame. *(Figure G.1)*

4. Use a rubber mallet to tap INTERIOR snap mullion cover in place. Tap each end in place then work towards the center. *(Figure G.1)*

5. Carefully flip mulled set over, EXTERIOR side will be face up. Measure and trim EXTERIOR snap mullion cover to length, just below accessory groove. This will prevent header cover (installed in following section) from lifting at joint.

6. On EXTERIOR side, place bead of sealant for full length of horizontal or vertical exterior accessory groove at mull joint. Install the EXTERIOR mullion cover just below groove using a rubber mallet to tap into place.

7. Install stacking plates at all exterior mulled joints. Please scan the QR code on back of this instruction to view the "Vinyl Window Stacking Plate #604 Installation Instruction".

8. For ALL side-by side mulled sets, continue to the following section for installation of the header cover. Units with a stack mull will not receive a header cover. In this case, proceed to main installation instruction.

# H. INSTALL HEADER COVER - FLAT OR WITH GUTTER

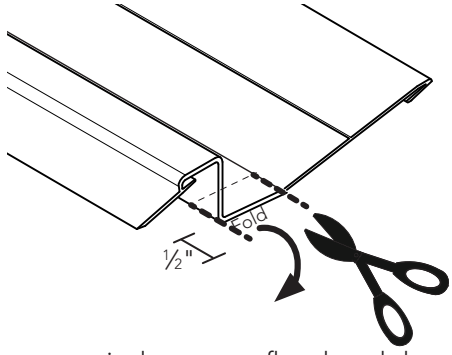
## IMPORTANT INFORMATION BEFORE YOU BEGIN

**The 659 and 658 header cover is intended to provide extra protection at mull joint location(s) for side-by-side mulled window units. Windows must be mulled together with header cover applied before window unit is set into opening.**

***NOTE:*** *Window units ordered with an accessory (factory installed or shipped loose) will not receive a header gutter or cover.*

****NOTE: IF the decision is made to wrap vinyl cladding with termination into the unit's top accessory groove and the header cover is NOT installed, it is then the responsibility of the installer to provide the adequate protection required to avoid any leakage issues at the mulled joint location(s). Joint MUST BE fully sealed.***

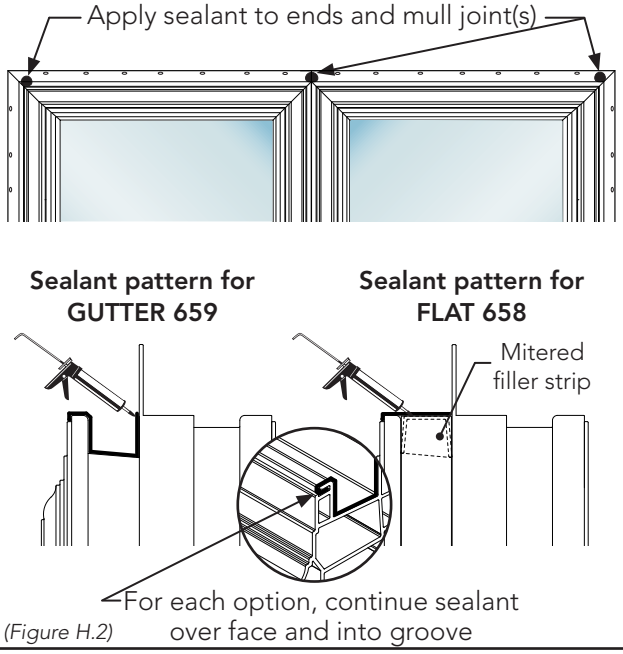
**Prep Header Cover w/ Gutter & Nail Fin 659**




Snip gutter vinyl to create flap, bend downward

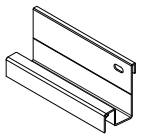
*(Figure H.1)*

**MULLED SET HEADER ELEVATION VIEW**



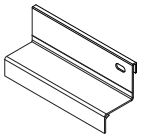

*(Figure H.2)*

**Header Cover w/ Gutter & Nail Fin 659**



**or**

**Header Cover Flat w/ Nail Fin 658**



**1** **Check to BE SURE front accessory groove is CLEAR of any obstructions, i.e. extra vinyl in welds.** The previously installed exterior mullion cover must be located just below the accessory groove to prevent header cover from lifting at mull joint. Trim or remove any excess material.

**2** **For Header Cover with Gutter 659,** snip each side of the vinyl J-channel gutter approximately ½" to create a flap. Bend flap downward and against jamb side frame J-channel, as shown. *(Figure H.1)*

**3** For each option, a small section of the snap-in leg, located on underside of extrusion (refer to *Figure H.3 - next page*), must be removed at mull location(s). Locate, mark, and cut approximately a ½" of the snap-in leg at window mull joint(s) to allow gutter/cover to lay flat against frame.

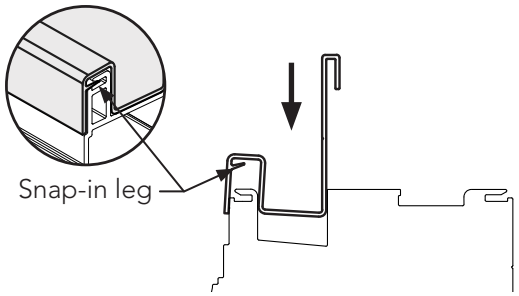
**4** Apply a bead of silicone or sealant along each end of the mulled set header frame and along mulled joint(s). *(Figure H.2)*

• **Header Cover with Gutter 659,** apply bead of silicone along frame width and into the front accessory groove as shown in section details. Repeat on mull joint - run bead of sealant along each frame's J-Channel.

• **Header Cover Flat 658**, apply a bead of sealant along frame width and into front accessory groove as shown in section detail. Repeat on mull joint(s).

# H. INSTALL HEADER COVER - FLAT OR WITH GUTTER (CONT.)

**HEADER COVER WITH GUTTER 659**

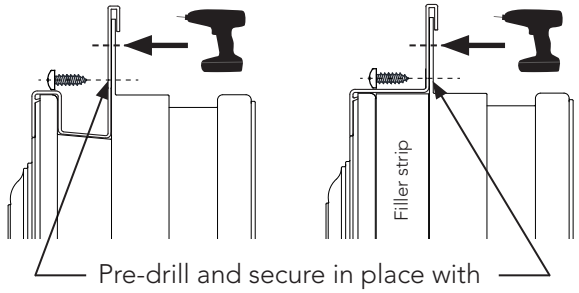



First, place over nail fin, then snap leg into groove
Be sure cover w/ gutter 659 is fully seated into the frame's integral J-channel

*(Figure H.3)*

**SECURE COVER TO FRAME HEADER - SECTION VIEW**

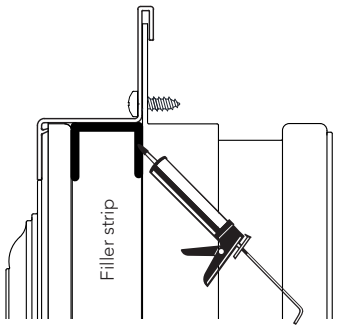
**Gutter 659** **Flat 658**




Pre-drill and secure in place with #6 x ½" screws provided

*(Figure H.4)*

**SEAL HEADER COVER FLAT 658 - END VIEW**




Apply sealant around perimeter of filler strip

*(Figure H.5)*

**5** Place cover onto frame header by first placing nail fin over the window frame nail fin. Snap accessory leg into front accessory groove. Align cover miter with frame miter, each end. Use a soft mallet to tap into position and ensure the cover is properly seated into bead of silicone. Be sure cover w/ gutter 659 is fully seated into the frame's integral J-channel. Re-check for proper end-to-end alignment. Remove any excess sealant from each end. *(Figure H.3)*

**6** Pre-drill and secure cover in place with screws provided along nail fin vinyl score line. Place (1) #6 x ½" Phillips pan head screw *(Pack #: S-HS-600S-01)* 2" to 3" from each end and every 18" for width of mulled set, as shown. BE SURE to avoid placing screw at mull location(s). Screws are intended to hold cover in position during installation. *(Figure H.4)*

**7** From the interior side, drill a 3⁄16" hole through all factory prepped window frame nail fin hole locations, through the cover nail fin. This will locate all nail hole locations for installation. **Be sure to elongate each end hole to match nail fin slot to allow for installation adjustments.** *(Figure H.4)*

**8** **For Header Cover Flat 658**, apply a bead of sealant across width and approximately ½" down each side of mitered filler strip for a complete seal, as shown. (*Figure H.5)*

**NOTE:** If the decision was made to not install the side filler strips, fill the end of the J-channel cavity with silicone or sealant, each end of the mulled set for a complete seal.

**Mulled set is ready for installation.**

# TROUBLESHOOTING & TIPS

| PROBLEM | CAUSE | SOLUTION |
|---|---|---|
| Water leaking at top | 1. Top sash rail is bowed downward.<br>2. Sash is bowed outward.<br>3. Header mullion cover not added or removed. | 1. New sash is needed.<br>2. Install an additional snubber at top center to pull sash inward. *(Please order through Customer Service.)*<br>3. Refer to Section G. |
| Sill bows upward | 1. No shims below jambs. Critical on mulled units.<br>2. Over insulating or over shimming below sill.<br>3. Insufficiently shimming under jambs when foam wrap is used under sill.<br>4. Exterior trim is tight against window, not allowing for vinyl expansion in the heat.<br>5. Jamb side shims placed too close to bottom of unit, not allowing for vinyl expansion in the heat.<br>6. Installing fasteners in nail fin units prior to proper setting and alignment of window. | 1. Add shims to window sill per this instruction.<br>2. Remove foam. Re-square and level window unit. Refer to this instruction for proper insulation procedure.<br>3. Re-shim window unit per this instruction.<br>4. Refer to "Installing Exterior Veneers to Windows" QR code at end of this instruction.<br>5. Remove shims at bottom jamb side locations. Shim per this instruction.<br>6. Remove fasteners except at each corner. Square and level unit per this instruction. Set proper margins per this instruction before re-installation of nail fin fasteners. |
| Header bows downward | 1. Excessive foam or over insulating above header.<br>2. Jamb side shims placed too close to top of unit, not allowing for vinyl expansion in the heat.<br>3. Installing fasteners in nail fin units prior to proper setting and alignment of window. | 1. Remove foam above header. Re-foam per this instruction.<br>2. Remove shims at top jamb side location. Shim per this instruction.<br>3. Remove fasteners except at each corner. Square and level unit per this instruction. Set proper margins per this instruction before re-installation of nail fin fasteners.<br>4. It may be necessary to pre-drill and add a screw to correct bowed header. |
| Frame racked or out of square | Improper or no shims below the jambs. | Re-shim window unit per this instruction. |
| Sash alignment is restricted | Outside corners of sash have an excess weld build-up. | Remove the excess weld on corners and from both sides of the bulb seal until a square corner is achieved. |
| Window leaks water at accessory corners | 1. Improper or no caulking on backside corners of accessory.<br>2. Improper or no caulking at accessory to frame joint. | 1. Caulk accessory per this instruction.<br>2. Caulk accessory per this instruction. |
| Condensation is present on inside or outside glass of window | Various normal conditions/reasons. | Refer to "Condensation, Humidity and Dew Point Temperature" QR code below for a detailed explanation of normal condensation conditions. |

# TROUBLESHOOTING & TIPS

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

***For additional information and helpful videos, visit our Homepage for Installers by TAPPING OR SCANNING the QR Code shown.***

**Installing Exterior Veneers to Windows**

**Measuring Instruction MasterFit™ Trim**

**Condensation, Humidity and Dew Point Temperature**

**Install. Instruction Vinyl Window Stacking Plate #604**

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