

VISIONS ELSTM
Vinyl Windows



Exterior

Interior



**Visions ELS Single Hung Tilt,
Single Hung Picture Center and
Direct Set Window
With Integral Nailing Fin
Installation Instructions**

Including Installation of:

Jamb Extensions (ordered separately)

(For Replacement Window Applications See Separate Installation Instructions.)

IMPORTANT: Please read before you begin.



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Visions ELS Single Hung Tilt, Single Hung Picture Center and Direct Set Window Installation Instructions

IMPORTANT: Thoroughly read and follow these instructions. Failure to install as recommended will void any warranty, expressed or implied. **Check building codes for the area in which the windows are being installed before installation to ensure proper compliance.** The installation instructions that follow are based on typical frame construction. Specific applications may differ. Weather Shield Mfg., Inc. recommends that you consult a qualified installation professional. Weather Shield Mfg., Inc. is not responsible for installation.

IMPORTANT: A number of jurisdictions have adopted building code design pressure requirements that require window and door products be installed in the same way they were installed for laboratory testing. To comply with these requirements, we are pleased to supplement the installation instructions with the following:

Sealant **must** be applied in all installations. There must be continuous contact with a generous bead of sealant between the **bare** sheathing and the window unit's brick mould or nailing fin around the window's entire perimeter.

The following additional steps must be taken as appropriate.

- Exterior house wrap must be cut and temporarily taped back away from rough openings.
- When sealant is applied to the rough opening it must be applied directly to the building's sheathing and **NOT** the building wrap.
- The nailing fin or brick mould must contact the sealant continuously along the entire perimeter of the unit and must fully contact exterior face of the wall around the window's entire perimeter.
- Exterior housewrap must be trimmed and reapplied over the nailing fin. It must be sealed to the fin along the entire perimeter with silicone sealant.

Refer to the chart on the following page to select a fastening method that meets test specifications.



Design Pressure Performance – Fastening Method

Vinyl Window With Pre-Punched Fastener Holes		
Unit Description	Fastener	How to Fasten
<div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> Integral Brick Mould with Nailing Fin with Pre-Punched Fastener Holes – See FIGURE 1 on Page iv. </div>	<div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> #8 Steel screws long enough to penetrate framing material by at least 1-1/2" </div>	Start a screw 4" in from corner and apply through nailing fin into framing member. Space additional screws every 4" on center, around entire perimeter, staying 4" from each corner.

INSTALL NOTES:

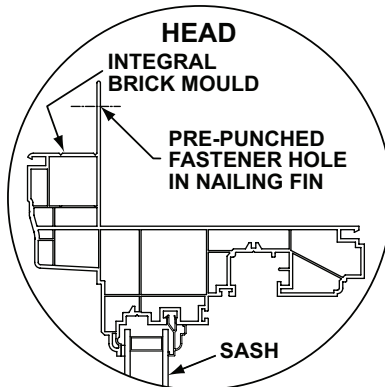
A shim space, not to exceed 1/4", is required. If a shim space greater than 1/4" exists on the interior or exterior of the unit, use solid material to fill this space until the maximum 1/4" shim allowance is achieved.

ADDITIONAL NOTES:

- For brick mould units, or any installation that has exposed fasteners, it is recommended to use fasteners made of 300 series stainless steel. Follow your local codes if they specify a different series of stainless steel.
- Certain options, accessories and warranty considerations require the unit be installed using installation clips. The clip install method has not been tested for design pressure ratings and should not be used where design pressure ratings must be maintained. Contact your customer service representative for additional assistance.

Design Pressure Performance – Nailing Fin and Brick Mould Configurations

VINYL WINDOW



**SIDE VIEW
INTEGRAL BRICK MOULD
WITH NAILING FIN – FIGURE 1**



Recognize this symbol. This is the Safety-Apert symbol. When you see this symbol be alert to the potential for personal injury or product damage.



DANGER

Falling from window opening may result in serious injury or death. DO NOT leave openings unattended when children are present.



WARNING

Weight of window and door unit(s) and accessories will vary. Use a reasonable number of people with sufficient strength to lift, carry and install window or door unit(s) and accessories. Always consider site conditions and use appropriate techniques when installing.



DANGER

CUT HAZARD



*Non-safety Glass.
*May cause serious injuries if broken.
*Do not install where tempered safety glass is required.



DANGER



Screen will not stop children, any one or anything from falling out window.

Keep children and objects away from open window.

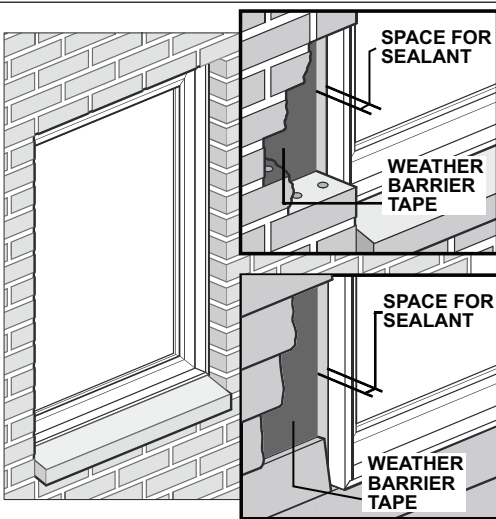
Definition:



Throughout these instructions DPR equals "For Design Pressure Rating". Any procedure so titled **must be** completed to maintain the rating validity.

Non-DPR is for installations not requiring compliance with design pressure ratings. In this case you can follow procedures for either DPR or non-DPR.

A Special Note About Masonry



The perimeter joint between window exterior and the exterior building material must conform to siding manufacturers' recommendations. All masonry, stucco, or synthetic stucco systems require an expansion joint around the window perimeter that must be filled with sealant compatible with the building material and window components.

Expansion joint space should be no less than 3/8" and not greater than 1/2" unless stated otherwise by your siding manufacturer. If there is a conflict, follow siding manufacturer's guidelines.

Failure of this joint will cause structural damage unrelated to window performance.



IMPORTANT:

When accessories such as jamb extension have been ordered, apply according to the directions on pages 14 & 15 **BEFORE** you install the unit OR prep the rough opening.

Rough Opening Preparation

FIGURE 1

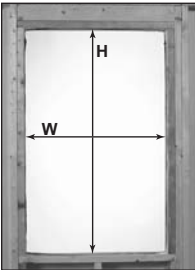
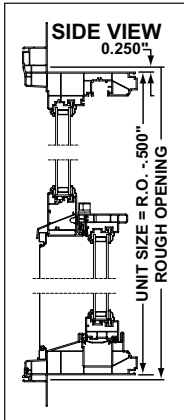


FIGURE 2



SAFETY INSTRUCTIONS

Read installation instructions completely before beginning procedure.

WARNING

Wear gloves, safety glasses, goggles or eye shields appropriate to procedure.

Before you begin, check the following:

IMPORTANT: High-quality, exterior, neutral-cure, clear, silicone sealant (compatible with vinyl extrusion and exterior face of the wall) is to be used for all procedures in the following instructions which call for caulking or sealant.

IMPORTANT: Check to make sure you have the correct window type and the correct size window (Width and Height) for your rough opening (FIGURE 1).

1. Measure the rough opening to ensure that it is not more than 1/2" wider in overall Width or 1/2" taller in overall Height than the "Unit Size" in (FIGURE 2 & 2A), except when jamb extensions are applied. See Page 14.

FIGURE 2A

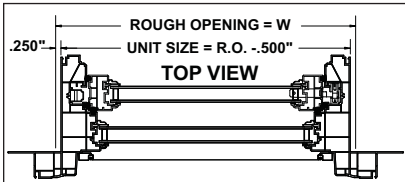


FIGURE 3

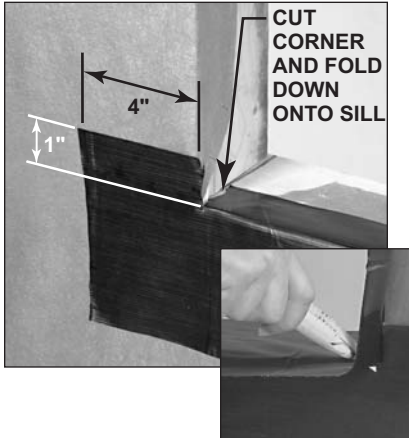


IMPORTANT: If unit is to meet design pressure ratings, a maximum 1/4" shim space is required around the perimeter. A shim space greater than 1/4" could result in lower product performance and may be considered non-compliant with certain building codes.

2. Make sure walls are plumb and not twisted. Make necessary corrections where possible to ensure walls are plumb and straight (FIGURE 3).

Sill Preparation

FIGURE 1



NOTE: If your structure has housewrap see the illustrations on Page 4 for installation techniques to preserve design pressure test ratings. Also perform steps in **Check Rough Opening for Level and Square** on Page 3.

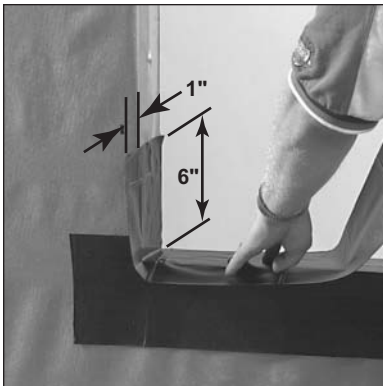
If preserving design pressure test ratings are not a concern proceed as follows:

1. Cut a piece of weather barrier self-adhering tape 4" wide and as long as the opening width plus 8". Apply to face of exterior wall so 1" extends above the opening and 4" extends beyond each side of the opening. Cut along the corners of rough opening and fold down onto the sill (**FIGURE 1**). Use a rubber roller to apply.

WARNING

Improper use of hand and power tools could result in personal injury and/or product damage. Follow equipment manufacturers' instructions for safe operation. Always wear safety glasses.

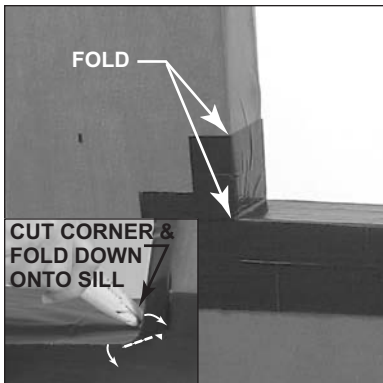
FIGURE 2



2. Apply a second continuous piece of weather barrier self-adhering tape on the top surface of the rough opening sill (**FIGURE 2**).

Cut barrier tape the thickness of the wall plus 1" and 12" longer than the width of the opening. Align flush with interior of the wall and extend edge of the tape 1" past the exterior wall surface (**FIGURE 2**). Start the piece (approximately 6") up the side of the rough opening and run it to the bottom of the opening, to the other side of the opening, and 6" up the other side (**FIGURE 2**).

FIGURE 3

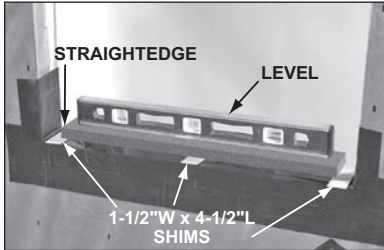


3. Use a utility knife to cut the sill piece on both corners of the rough opening, and fold along the outside wall (**FIGURE 3**).



Check Rough Opening for Level and Square

FIGURE 1

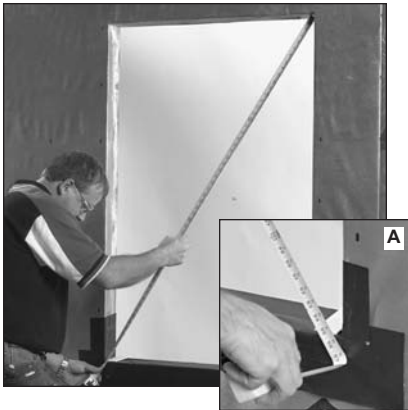


IMPORTANT: For best results the straightedge must have straight parallel edges and must be shorter than the rough opening by no more than 1".

1. With a level on a straightedge, level the rough opening sill.
2. Place a 1-1/2" x 4-1/2" shim (under the straightedge) at the low end of the sill plate, locate shim against the side of the rough opening (FIGURE 1). Adjust the shim until level is achieved.

IMPORTANT: To ensure that the sash operate smoothly, make sure that the sill is level and straight.

FIGURE 2

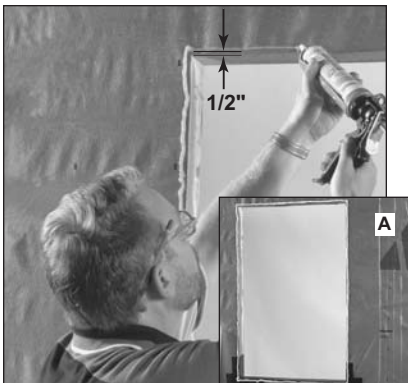


3. Measure the opening diagonally from corner-to-corner (FIGURE 2 & 2A). Use top of shim for the lower corner. The measurements should not differ more than 1/4".

STOP – Read Following Note For Design Pressure Considerations

NOTE: If your structure has housewrap and you must preserve design pressure ratings **DO NOT PERFORM STEP 4 BELOW.** See Page 4 for required installation techniques.

FIGURE 3



Step 4 (below) must be used where design pressure ratings are not a concern.

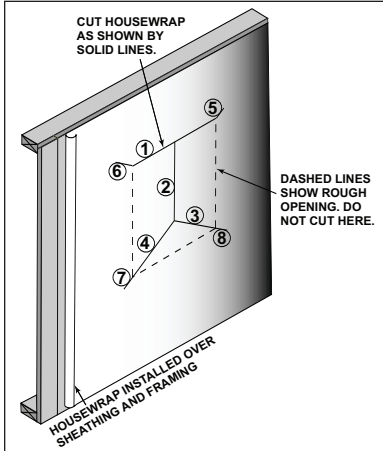
4. Apply a continuous 1/4" bead of high-quality, exterior, neutral-cure, clear, silicone caulk (compatible with vinyl extrusion and exterior face of the wall) to the exterior face of the wall, located 1/2" (FIGURE 3) from the rough opening edge.

Caulk around the entire perimeter of the rough opening (FIGURE 3A). When the window is installed the caulk bead must contact the nailing fin or brick mould continuously so it seals them against the face of the wall.

For DP ratings continue on Page 4; for non-DP continue on Page 5.

Housewrap & Caulking Rough Opening Details For Preserving Design Pressure Ratings On Structure With Housewrap

FIGURE 1



If your structure does not have housewrap, continue on Page 5.

! WARNING

Improper use of hand and power tools could result in personal injury and/or product damage. Follow equipment manufacturers' instructions for safe operation. Always wear safety glasses.

1. Cut housewrap in sequence as shown by the circled numerals in (FIGURE 1).
 2. Fold housewrap back and tape out of the way (FIGURE 2). Bare sheathing must be exposed.
 3. Apply a continuous, generous bead of silicone sealant around entire rough opening perimeter. Locate sealant so it does not intrude into the rough opening and will also provide a continuous seal between sheathing and nailing fin (FIGURE 3).
- Proceed to Window Installation on next page.

FIGURE 2

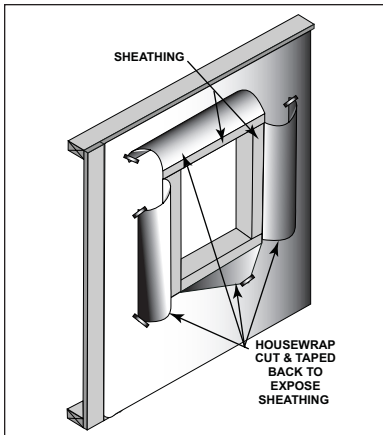
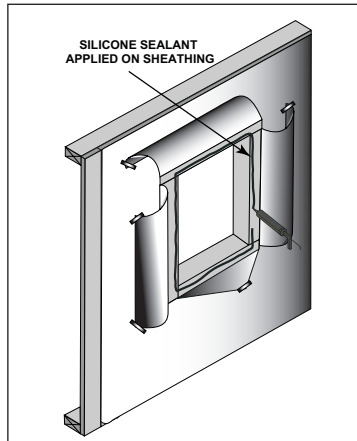


FIGURE 3



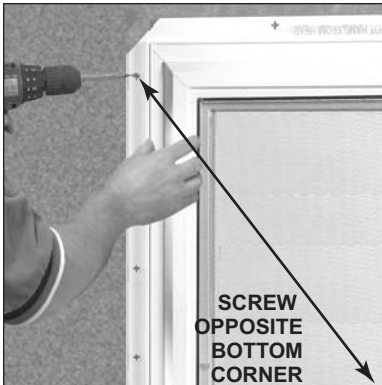


Window Installation

FIGURE 1



FIGURE 2



WARNING

Weight of window unit(s) and accessories will vary. Use a reasonable number of people with sufficient strength to lift, carry and install window unit(s) and accessories. Always consider site conditions and use appropriate techniques when installing.

IMPORTANT: 1A. When accessories such as jamb extension have been ordered, apply according to the directions included (Pages 14 – 15) **BEFORE** you install the unit **OR** prep the rough opening.

1B. Before you begin, make sure sash is closed and locked.

1C. Remove all shipping and packing material from the unit.

1D. High-quality, exterior, neutral-cure, clear, silicone sealant (compatible with vinyl extrusion and exterior face of the wall) is to be used for all procedures in these instructions which call for caulking or sealant.

2. Lift and center window in the rough opening from the exterior. Level unit on the interior or exterior across the sill and head. If necessary to level the unit, place shims directly below the side jambs only.

IMPORTANT: If unit is mullled it must be supported with shims under each sill mull jamb for proper support.

3. Secure one side top corner with a #8 steel screw long enough to penetrate the framing material by at least 1-1/2" (FIGURE 2).

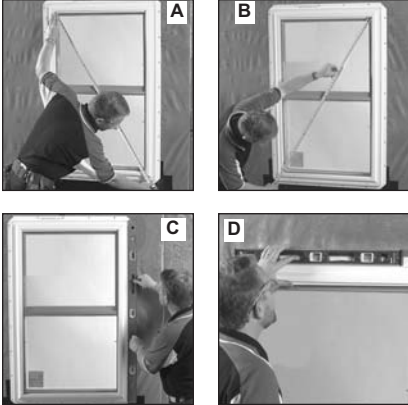
NOTE: If maintaining design pressure ratings are not a concern, roofing nails long enough to penetrate framing material by at least 1-1/2", may be used instead of screws.

IMPORTANT: If unit is to meet design pressure ratings, a maximum 1/4" shim space is required around perimeter. Unit must be secured with #8 steel screws, long enough to penetrate framing material by at least 1-1/2". See "Design Pressure Performance – Fastening Method" chart on Page iv for screw spacing.

NOTE: If maintaining design pressure ratings are not a concern, roofing nails long enough to penetrate framing material by at least 1-1/2", may be used instead of screws.

Window Installation (cont.)

FIGURE 3



4. While holding unit in place, square and plumb jambs. This can be done from the interior or exterior. Check both side-to-side and inside-to-outside. Measure unit from corner-to-corner to check for square. To plumb, level and square, use a pry bar to shift unit and shim as needed.

5. Secure opposite corner of unit and check again for level, plumb and square (**FIGURES 3C & 3D**). Slide bottom of window left or right until diagonal measurements are exactly the same (**FIGURES 3A & 3B**). Use shims and a straightedge to straighten the side and top jambs. When straight, fasten through the the nailing fin spacing screws as prescribed on Page iv.

NOTE: If maintaining design pressure ratings are not a concern, roofing nails long enough to penetrate framing material by at least 1-1/2", may be used instead of screws.

In a similar manner, straighten the sill and fasten through sill nailing fin. Finish securing unit by applying fasteners around entire perimeter, through nailing fin, as prescribed on Page iv. Fastener heads should not over-compress the flange.

For DP ratings with housewrap continue on Page 7. For others, continue on Page 8.



Housewrap & Caulking Finishing Details For Preserving Design Pressure Ratings On Structure With Housewrap

FIGURE 1

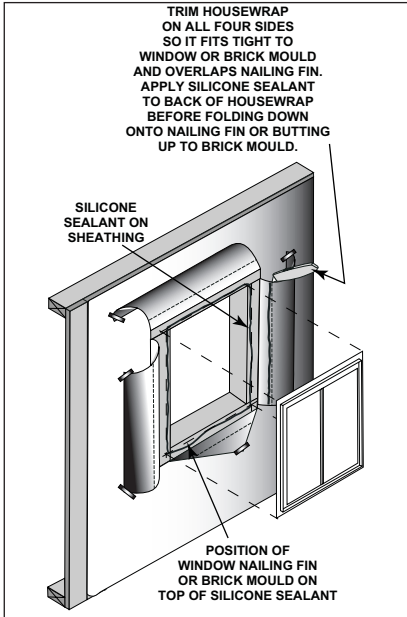
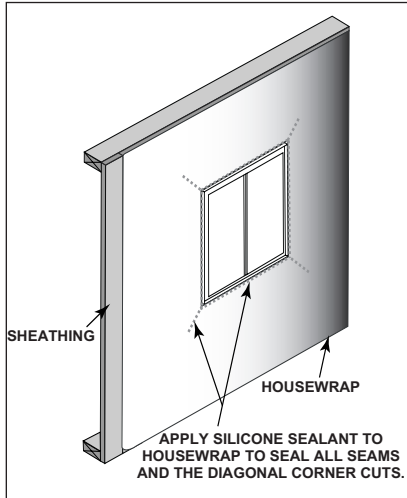


FIGURE 2



If your structure does not have housewrap continue on Page 8.

Trim and reseal housewrap to new window after window is installed according to the instructions on Pages 5 and 6.

See (FIGURE 1) for Steps 1 through 3.

1. One section at a time, untape and fold housewrap over nailing fin and up against window frame. Use a utility knife or scissors and carefully trim housewrap alongside the window frame. When trimmed, housewrap must lay flat against sheathing, overlap the nailing fin, and fit tightly against the window frame. After trimming and dry fitting, tape housewrap back out of the way so bottom side is exposed. Repeat for each section of housewrap.

⚠ WARNING Do not cut into vinyl nailing fin or vinyl frame while trimming housewrap. Damage to vinyl may adversely affect structural or water integrity.

2. Apply a continuous bead of caulk to the back side of the housewrap along the edge that will be placed against the window frame. Also caulk along edges of any additional seams and at diagonal corner cuts.

3. Fold each caulked section down onto sheathing, overlapping the nailing fin and butting it tightly to the window frame. Smooth out all wrinkles and bulges.

Repeat Step 2 and 3 for each section.

4. Finish by inspecting each housewrap seam making sure each seam is sealed with silicone sealant (FIGURE 2).

To continue your window installation, turn to Square and Straighten The Interior on Page 9.

Weather Barrier Self-Adhering Tape Application

FIGURE 1



NOTE: The Following **Weather Barrier Self-Adhering Tape** procedures do not apply if you have just completed **Housewrap & Caulking Finishing Details For Preserving Design Pressure Ratings Structure With Housewrap** on previous page.

1. On the exterior, apply a high-quality weather barrier self-adhering tape or equivalent. Apply to the sides, starting at the top of the head nailing fin and run it down so that it extends 6" past the bottom nailing fin. Tape must cover the entire nailing fin, including the installation holes and the joint between the fin and the building's sheathing **and** extend at least one additional inch out onto the sheathing. Use a rubber roller to apply (**FIGURE 1**).

FIGURE 2



2. Use a utility knife to cut a slit in the building wrap above the head nailing fin, the entire length of the window unit **PLUS** the width of each vertical piece of weather barrier tape on both sides of the window (**FIGURE 2**).

FIGURE 3

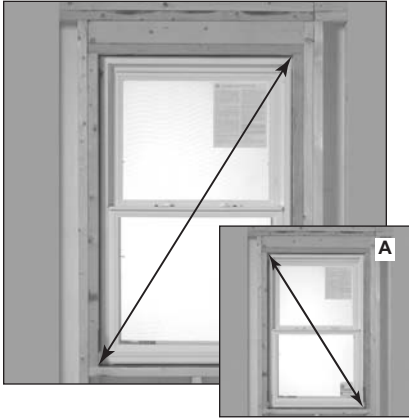


3. After cutting the slit in the building wrap above the top nailing fin, slide the weather barrier self-adhering tape under the building paper making sure the tape covers the nailing fin, including the installation holes and the joint between the fin and the building's sheathing **and** extends at least one additional inch out onto the sheathing (**FIGURE 3**).



Square and Straighten the Interior

FIGURE 1



1. Measure the entire window assembly diagonally in both directions (**FIGURES 1 & 1A**).
2. Shim the top and bottom ends of the side jamb on the left or right (**FIGURE 2**) to get the diagonal measurements (**FIGURES 1 & 1A**) of the entire window assembly exactly the same.

Using a level as a straightedge, place shims between the frame and the rough opening to straighten the side jamb and sill (**FIGURE 2**). Loosely insulate between the window frame and rough opening.

IMPORTANT: If unit is mulled it must be supported with shims under each sill mull jamb for proper support.

Installation is ready for interior wall finish and trim.

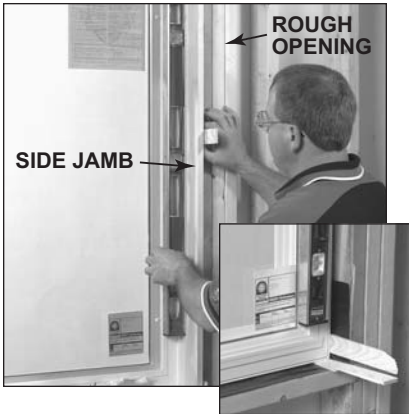
IMPORTANT: Do not over pack insulation.

IMPORTANT: Do not use expandable foam.

IMPORTANT: Do not allow trim fasteners to penetrate unit's vinyl frame.

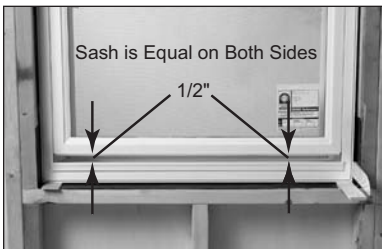
CAUTION Do not fasten trim to sill with nails. Use glue or double-stick tape that is compatible with vinyl and your trim.

FIGURE 2



Check Sash Operation and Alignment

FIGURE 3

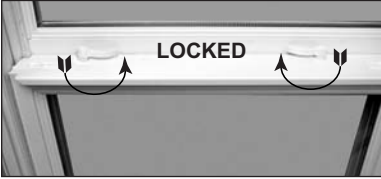


1. Unlock window and raise sash until it is fully open. Lower the sash to within 1/2" from the sill (**FIGURE 3**). The gap should be equal on both sides.

2. If gap is unequal the unit requires adjustment. Follow procedures in the section "Square and Straighten the Interior". Check gap after each adjustment until an equal reveal is obtained.

Window Lock & Unlock

FIGURE 1



SINGLE HUNG TILT

1. To lock unit, lower sash and rotate sash lock levers so they are pointing towards each other (**FIGURE 1**). The lock cams must engage lock slot insert in the meeting rail.

2. Unit is **unlocked** when sash lock levers are rotated so they point away from each other (**FIGURE 2**).

3. (**FIGURE 3**) shows a top view of the sash with locking cam exposed and lever halfway between lock and unlock.

FIGURE 2

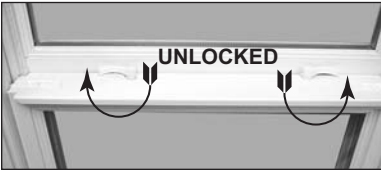
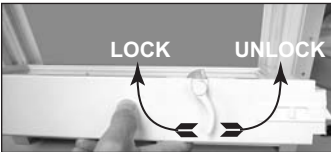


FIGURE 3





Sash Removal – Single Hung Tilt

FIGURE 1



FIGURE 2



FIGURE 3

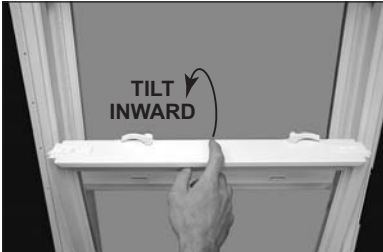


FIGURE 4



⚠ WARNING
If removing or tilting sash in and returning to closed position while standing on a ladder or step stool, be careful not to lose your balance.

⚠ WARNING
Sash can be heavy and caution should be used when removing. It is recommended that the sash be removed with adequate number of persons.

⚠ WARNING

- Use care when working on ladders and scaffold, falls could occur.
- Follow all safety procedures recommended by ladder, scaffold and tool manufacturers'.
- Use care when working around window openings, a fall could occur.

NOTE: ON SINGLE HUNG TILT UNITS
Only the lower sash is removable.

1. Unlock and raise sash approximately 4" (**FIGURE 1**).
2. With index fingers, slide tilt latches (on top of sash) towards center of window until latches clear the side jambs (**FIGURE 2**).
3. While holding tilt latches in retracted position, pull or tilt top of sash in toward you (**FIGURE 2**). Sash now tilts in, for cleaning, while remaining hinged at the bottom (**FIGURE 3**).
4. To remove the sash, tilt sash in so it is at right angles to the window frame (**FIGURE 4**). Grasp the sash firmly on both sides and lift one side straight up to disengage the sash pivot pin (**FIGURE 5**). Lift the opposite side up and out of the side jamb.

FIGURE 5



Sash Re-Install

FIGURE 1

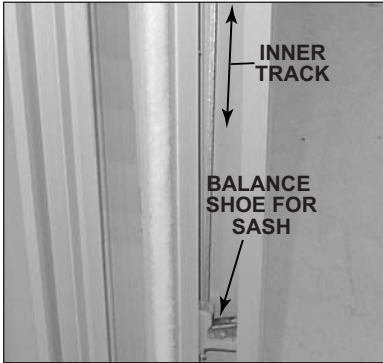


FIGURE 2



FIGURE 3

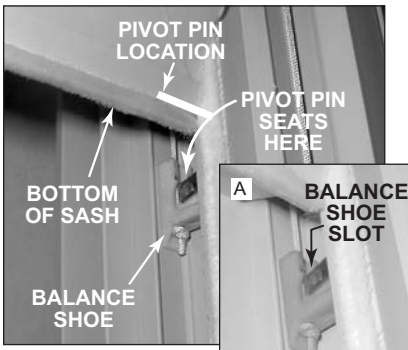
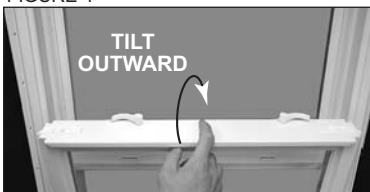


FIGURE 4



NOTE: ON SINGLE HUNG TILT UNITS

Only the lower sash is removable.

IMPORTANT: When placing sash into side jambs, the sash pivot pins **MUST BE ABOVE** the balance shoes so the latching mechanism in the shoe will engage pivot pins when the sash is lowered onto the balance shoes.

1. Grasp the sash so that the exterior surface is up (FIGURE 2) and the bottom edge of the sash faces the window (pivot pins are located at the bottom edge of the sash) (FIGURE 3).
2. With one side of sash angled up (FIGURE 2), place pivot pin so it sits on the top of the balance shoe in the side jamb (FIGURE 3). Lower opposite side of the sash, so that its pivot pin is above opposite side balance shoe (FIGURE 3A).

WARNING

If pivot pins are placed below balance shoes the pivot pins will not be supported. Sash will have no counter balance and could fall rapidly possibly causing personal injury or property damage. When inserting sash in frame, pivot pins **MUST BE ABOVE** balance shoes.

3. Align the pivot pin with the slot on the balance shoe (FIGURES 3 & 3A).
4. Slide sash down until each pivot pin fully engages the balance shoe slot.
5. After pivot pins are fully engaged in balance shoes, tilt or push the top of the sash up and away from you (FIGURE 4) until both tilt latches snap into the side jambs. Tug gently inward on top of lower sash to check tilt latch engagement.

CAUTION Be sure tilt latches on both sides are fully seated (FIGURE 5) to keep window from unintentionally falling inward.

FIGURE 5



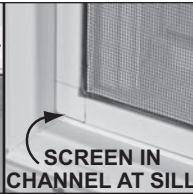


Screen Removal

FIGURE 1

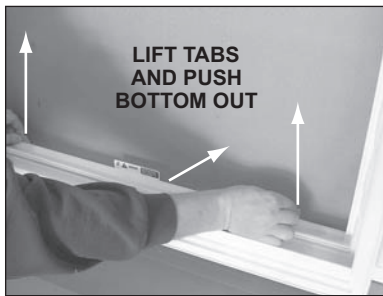


FIGURE 2



View from outside with screen in place.

FIGURE 3



View from inside.

DANGER




Screen will not stop children, any one or anything from falling out window.

Keep children and objects away from open window.

NOTE: Screen is held at the top by a channel in the meeting rail and at the bottom by a channel in the sill (**FIGURES 1 & 2**).

1. Unlock sash and raise fully. Follow previous instructions for unlocking sash.

 WARNING Maintain firm grip on screen so wind or other conditions will not pull it from your grasp, endangering people and objects below your window.

2. From the inside, firmly grasp tabs at bottom of screen and pull upward until bottom of screen clears screen channel in sill (**FIGURE 3**).

3. While holding screen, push screen outward and down until top drops out of channel in meeting rail.

4. Carefully transfer your grip to the sides of the screen. Then rotate the screen and bring inside.

Screen Re-Install

FIGURE 4



1. Orient screen with tabs down and to the inside and springs up.

2. With sash fully raised maneuver screen through opening and insert top of screen into channel in meeting rail. Center screen side-to-side in the window frame.

3. With top of screen in meeting rail channel, lift screen up enough to compress springs (**FIGURE 4**).

4. With springs compressed, pull bottom of screen inward until bottom seats in sill channel.

Jamb Extension Option

FIGURE 1

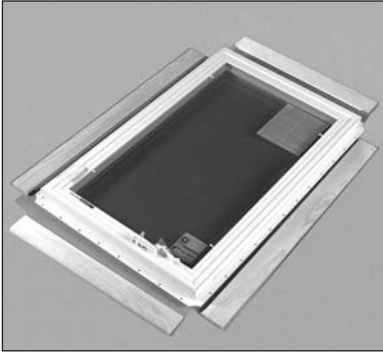


FIGURE 2

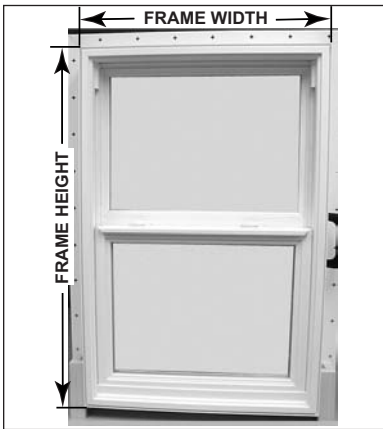
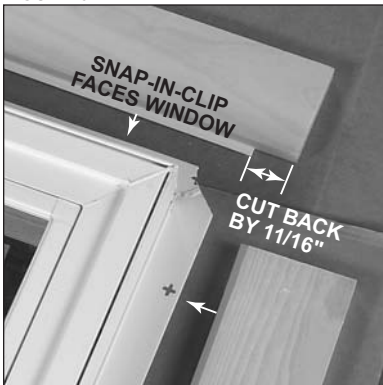


FIGURE 3



IMPORTANT: Jamb extension must be applied to the window unit **BEFORE** the unit is installed or the rough opening is prepared. Place unit and jamb extension pieces (interior facing up) on a clean flat surface (FIGURE 1).

NOTE: A Visions 2000 Casement window is shown, however the "Jamb Extension" application procedure is the same for all vinyl windows.

NOTE: For non-DPR installations only. Rough opening may need to be enlarged 3/8" to 1/2" to provide clearance for accessories and insulation.

DPR installations **MUST** maintain the 1/4" shim space on all sides (see Page 1).

How To Measure When Lineal Jamb Extension is Ordered

To find the horizontal and vertical lengths when jamb extension is ordered in lineal pieces, measure the frame width for the horizontal pieces (FIGURE 2).

Cut back the vinyl snap-in-clip by 11/16" on each end of the horizontal jamb extension only (FIGURE 3).

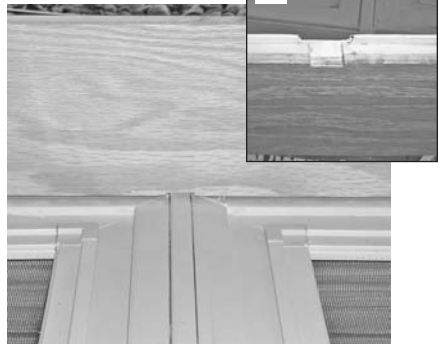
The length for the vertical pieces is the frame height minus 1-3/8" (FIGURE 2).

To Apply Jamb Extension

1. Lay the pieces of jamb extension, so that the vinyl snap-in-clip faces the window (FIGURE 3).

IMPORTANT: On mull or stacked units, in order for the jamb extension to run the full length or width of the units, the snap-in-leg must be notched (FIGURE 4A) where the units intersect (FIGURE 4).

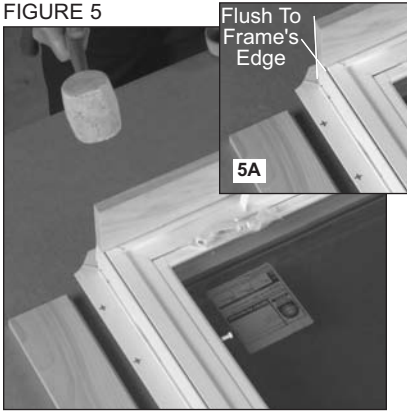
FIGURE 4





Jamb Extension Option (cont.)

FIGURE 5



WARNING

Improper use of hand and power tools could result in personal injury and/or product damage. Follow equipment manufacturers' instructions for safe operation. Always wear safety glasses.

NOTE: Install the horizontal jamb extensions so their ends are flush with the ends of the window frame (**FIGURES 5 & 5A**).

- Using a rubber mallet, fully secure each horizontal jamb extension snap-in-clip into the full length of the window's interior accessory groove (**FIGURE 5**).
- Set the vertical jamb extension pieces between the horizontal pieces. Apply both vertical pieces of wood jamb extension using a rubber mallet to exert enough force to snap the snap-in-clip into the interior accessory groove (**FIGURE 5**).
- Align the side of the vertical piece with the end of the horizontal piece or use a small square to square the vertical extension. While holding items aligned with each other, drill 2 holes in the back of the horizontal piece. Fasten the horizontal piece to the vertical piece with #7 x 1-1/4" Phillips head stainless steel flat head screws (**FIGURE 6**).

Repeat for each corner where vertical and horizontal jamb extensions meet.

FIGURE 6



Recommended Finishing Instructions



WARNING

Always follow chemical manufacturers' safety instructions when using chemicals to avoid injury or illness.

For Vinyl and Aluminum Surfaces

Vinyl and aluminum surfaces may be cleaned with mild soap and water. Hard to remove stains and mineral deposits may be removed with mineral spirits.

- **Do NOT** clean with gasoline, diesel fuel, solvent based, or petroleum based products.
- **Do NOT** use abrasive materials against vinyl, aluminum, or glass surfaces.
- **Do NOT** scrape or use tools that might damage the surface.
- **Do NOT** paint vinyl or aluminum surfaces.

For Wood Surfaces

For best results, the interior wood should be sealed immediately upon installation or upon receipt especially if unit is being stored for ANY length of time. Remove all construction residue before finishing.

1. Lightly sand surfaces being finished with 180 grit or finer sandpaper. Be careful not to scratch the glass.
2. After sanding, clean-off sanding dust from the surface using lacquer thinner applied to a cloth so the cloth is slightly damp. Let surface dry.

For Exterior and Interior Wood Surfaces

-If painted surface is desired:

NOTE: If a "primed" unit is delivered with factory-applied primer paint, it may be painted without repriming, providing the finish paint coat is applied within six (6) months of unit installation. *Factory-applied Accentials™ color system finishes in either standard, designer or custom colors do not require additional painting.*

1. If unit requires priming or repriming, use only oil-based primer coats. Use compatible oil or water-based finish coats. Refer to the paint manufacturers' instructions.
2. Prime all exposed wood surfaces. Priming all surfaces helps prevent end splitting, warping and/or checking.
3. Once primed, apply two (2) coats of paint (again on all exposed sides) to each item.

-If a stained surface is desired:

1. Use only oil-based stain and sealer for the first coat. A gel stain is easier to apply as it does not easily run or drip. The clear top coat may be oil or water-based. A pre-stain wood conditioner, applied before staining, will help softer woods like pine absorb stain more evenly. Apply both wood conditioner and desired stain according to the manufacturers' instructions.
2. Apply one (1) coat of sealer to the surface and let dry. Using a spar (marine) varnish as a sealer provides extra protection against sunlight and moisture. Let sealer dry completely.



If no sealer is applied over stain, the wood will weather very rapidly and defects will occur. Apply at least two (2) coats of sealer.

3. Before applying the next finish coat, make sure the previous coat is completely dry. Then lightly sand previous finish coat with 180 grit or finer sandpaper. Clean off all sanding dust and wipe surfaces with a tack cloth.
4. Apply next coat of desired finish to surface and let dry. Apply only one coat at a time.
5. For any additional coats of finish, repeat steps 3 and 4.



Weather Shield Products With Synthetic Stucco

Serious concerns have been raised about excessive moisture problems in homes and other buildings that have Exterior Insulation Finish Systems, commonly referred to as EIFS or Synthetic Stucco.

Many experts agree that a certain amount of water or moisture can be expected to enter almost any building exterior system. The building system should allow such water and moisture to escape or “weep” to the exterior, so no damage occurs. However, some EIFS systems may not allow water or moisture that penetrates the wall system to “weep” to the exterior. This can cause excessive moisture to accumulate within the wall system, which can cause serious damage to wall and other building components. It has been reported that so-called “barrier” EIFS systems are particularly prone to this problem.

Moisture problems in any type of building structure can be reduced by proper design and construction with appropriate moisture control considerations, taking into account prevailing climate conditions. Examples of moisture control considerations include flashing and/or sealing of all building exterior penetration points, use of appropriate materials and construction techniques, adherence to applicable building codes, and general attention to proper design and workmanship of the entire building system, including allowances for management of moisture within the wall system.

Determination of proper building design, components and construction, including moisture management, are the responsibility of the design architect, the contractors, and the manufacturer of the exterior wall finish products. Questions and concerns about moisture management issues should be taken up with these professionals. Weather Shield Mfg., Inc. is not responsible for problems or damages caused by deficiencies in building design, construction or maintenance, failure to install our products properly, or use of our products in systems that do not allow for proper management of moisture within the wall system.

Weather Shield

Windows & Doors



www.weathershield.com