Congratulations! You have just purchased one of the many fine Andersen® products. Proper assembly, installation and maintenance are essential if the benefits of your Andersen product are to be fully attained. Therefore, please read and follow this Instruction Guide completely. If your abilities do not match this procedure’s requirements, contact an experienced contractor. You may direct any questions about this or other products to your local Andersen dealer, found in the Yellow Pages under “Windows” or call Andersen WindowCare® service center at 1-888-888-7020 Monday through Friday, 7 a.m. to 7 p.m. Central Time and Saturday, 8 a.m. to 4 p.m. Central Time. Thank you for choosing Andersen.

Important Safety, Assembly, and Installation Information

Impact Resistant Glass used by Andersen is not hurricane proof or shatter proof, and may not offer a high level of security. Proper installation of window and door units with impact resistant glass is as important to product performance as the glass. Every assembly and installation is different (windloads, structural support, etc.), and Andersen strongly recommends consultation with an Andersen supplier or an experienced contractor, architect, or structural engineer prior to the assembly and installation of any Andersen product. Andersen has no responsibility in regard to the post-manufactured assembly and installation of Andersen products.

⚠️ WARNING

Use caution when working at elevated heights and around unit openings. Follow manufacturer’s instructions for safe use of ladder and/or scaffolding. Failure to do so may result in injury or death.

⚠️ WARNING

Follow manufacturer’s instructions for safe operation of hand or power tools. Always wear safety glasses. Failure to do so may result in injury and/or product damage.

⚠️ WARNING

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

⚠️ WARNING

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

⚠️ CAUTION

- Andersen® Head Flashing and Installation Flanges DO NOT take the place of standard window and door flashing. Unit must be properly flashed and sealed for protection against water and air infiltration. Use non-reflective flashings. Highly reflective flashing tapes can raise the surface temperature of the vinyl to the point where vinyl deformation and product damage may occur.
- Do not apply any type of film to glass. Thermal stress conditions resulting in glass damage could occur.
- Use of movable insulating materials such as window coverings, shutters, and other shading devices may damage glass and/or vinyl. In addition, excessive condensation may result causing deterioration of windows and doors.
1. Prepare Rough Opening

- Prepare rough opening using dimensions found in the Andersen® Product Guide.
- Check sill plate for level. Sill must be level, shim if necessary.
- Check rough opening for plumb and level. If rough opening is not plumb or level, correct as necessary.
- Check opening for square by measuring diagonally, upper left to lower right and upper right to lower left corner. If measurements are within 1/8", opening is square. If rough opening is not square, correct as necessary.
2. Prepare Unit

- Remove unit from packaging. Place unit interior side up on a clean, flat work surface.
- Remove wood/foam packaging blocks and staples.

**NOTICE**

Installation Flanges are factory applied to fit 4-1/2” wall thickness. Installation Flanges may be reversed to fit 4-1/8” wall thicknesses.

### 4-1/2” Wood Frame/Buck Construction

- For 4-1/2” wall thickness, proceed to Step 3.

### 4-1/8” Wood Frame/Buck Construction

- Remove Installation Flanges by pulling outward and reverse end for end.
- Replace Sill Installation Flange in kerf centering along sill. Tap in place until fully seated using a wood block and hammer.
- Repeat for Side Installation Flanges centering along jambs and overlapping Sill Installation Flange equally to the exterior.
- Repeat for Head Installation Flange, centering along head and overlapping Side Installation Flanges equally to the exterior.

**Masonry Construction/Replacement Installations (may require removal of Installation Flanges)**

**NOTICE**

Removal of Installation Flange may be necessary for some masonry installations, replacement installations, and/or where exterior finish (siding, brick veneer, stucco) is already applied.

- Remove Installation Flanges by pulling outward.
3. Apply Jamb Clips

- Determine quantity of jamb clips based on unit size from chart on Page 5.
- Position *Jamb Clips* as shown; Place short jamb clips in kerf on back side of jamb, long leg to the interior and extending 1-1/8” above jambs. Position long jamb clips 5-3/8” above jambs.
- Locate *Jamb Clips* 6” from each corner on head, sill and side jambs. Equally space remaining clips in between.
- Fasten *Jamb Clips* using two (2) #8 x 5/8” screws.
## 400 Series Impact Resistant Tilt-Wash Transom Window Jamb Clip Chart

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<th>DIMENSION WIDTH</th>
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### WARNING

Failure to properly anchor using jamb clips will adversely affect design pressure rating, product performance and may result in injury, product and/or property damage.
4. Install Window Unit

- Apply 1/4" bead of sealant, full perimeter, to back side of Installation Flange or full perimeter around rough opening, 1/2" from edge.

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

⚠️ CAUTION

- Do not set window unit directly on sill plate. Elevate unit on waterproof shims at side jambs.
- Do not set nails when using low density, insulating sheathing to prevent bending and cracking of Installation Flanges.
- Unit must be properly shimmed. Failure to do so could result in product damage.
- Provide a minimum clearance of 1/2" from top of brick/masonry to the bottom of any portion of sill. Failure to do so could result in product damage.

- Lift unit into rough opening. From interior, shim only under Side Jambs to level and center unit. For joined units, a shim must be placed under joining post(s).
- For Wood Frame/Buck Construction, nail upper corner of Installation Flange using a 1-3/4" roofing nail from the exterior. Recheck level.
- Measure diagonally across unit, upper left to lower right, and upper right to lower left corners. If measurements are within 1/8", unit is square. If unit is not square, adjust with shims. For Wood Frame/Buck Construction, fasten remaining corners.

- Apply 1/4" bead of sealant, full perimeter, to back side of Installation Flange or full perimeter around rough opening, 1/2" from edge.

![Shims Tape Measure Sill Plate Side Jamb Wood Frame/Buck Construction](Image)

![Interior View](Image)

![Tape Measure](Image)

![Sealant](Image)

![Caulk Gun](Image)

![Side Jamb Sill Plate Shims](Image)

![Brick Veneer 1/2" Shims](Image)

![2](Image)

![Wood Frame/Buck Construction](Image)

![Masonry](Image)

![Interior View](Image)
4. Install Window Unit (Continued)

- Measure across head, center, and sill of unit. Center dimension should match head and sill dimensions. Shim to straighten Side Jamb, if necessary, by inserting shims at midpoint behind the Side Jamb between unit frame and rough opening.

- For **Wood Frame/Buck Construction**, secure unit to rough opening using 1-3/4" roofing nails through **Installation Flanges**. Space nails every other hole. From the Interior, fasten unit to rough opening using two 1-1/4" (minimum) screws through each **Jamb Clip**.

- For **Masonry Construction**, fasten unit to rough opening using two 1-1/4" (minimum) masonry screws through each **Jamb Clip**.
5. Apply Flashing Tape

**CAUTION**
Unit must be properly flashed and sealed for protection against water and air infiltration. Use non-reflective flashings. Highly reflective flashing tapes can raise the surface temperature of the vinyl to the point where vinyl deformation and product damage may occur.

**NOTICE**
- This instruction step depicts one of many options for proper flashing.
- Moisture infiltration problems in any type of building can be reduced by properly flashing and/or sealing around all building openings, including windows and doors. Proper flashing under and around window and door openings can reduce moisture problems, but the performance of any building system depends upon the design and construction of the building system in its entirety, which should address local environment, climate, building codes and product and material limitations. The design and installation of flashing and sealing systems are the responsibility of the architect, contractor, installer, and/or the manufacturer of the building exterior specified for the project.

- Apply flashing tape over *Installation Flange* at sill.
- Apply flashing tape over *Installation Flange* at sides, overlapping flashing tape at sill.
- Apply flashing tape over *Installation Flange* at head, overlapping flashing tape at sides.
6. Insulate and Seal Unit

**CAUTION**

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

**NOTICE**

A minimum space of 1/4" is required around exterior perimeter of unit between frame and siding. Masonry/Brick Veneer installations require a minimum 1/2" space along sill and 1/4" space around the remaining perimeter.

- Insulate between frame, extension jambs, and rough opening on all sides. **Do not** overpack or overfill with insulation, bowed jambs may result.
- Apply backer rod and sealant around exterior perimeter of window after siding (or other exterior finish) is applied.

7. Apply Extension Jambs

- See instruction guide included with extension jambs. Instructions are also available at www.andersenwindows.com
7. Attach Interior Casing (supplied by others)

**CAUTION**

When applying Interior Casing, carefully read and follow below directions and illustrations. Failure to do so may result in damage to Sill and Jamb Liners.

- Fasten *Interior Casing* to sill using 3d (1-1/4") finish nails. Nail 2-3/8" below top of *Sill Stop*.
- Fasten *Interior Casing* to side jambs and head using 3d (1-1/4") finish nails. Nail 1" in from outside of *Head* and *Side Stop*.
- Set all nails to 1/16" below wood surface. Fill nail hole with wood filler.

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**Finishing, Cleaning, and Maintenance Instructions**

**CAUTION**

- **Do not** expose unfinished wood to high moisture conditions, excessive heat or humidity. Finish interior wood surfaces immediately after installation. Unfinished wood surfaces will discolor, deteriorate, and/or may bow and split.
- **Do not** stain or paint weatherstrip, silicone beads, vinyl, glass, or hardware.
- Acid solutions used to wash masonry will damage glass, fasteners, hardware, and metal flashing. Follow the acid solution manufacturer’s instructions carefully. Protect and/or cover Andersen products during the cleaning process to prevent acid contact. If acid does come in contact with unit, immediately wash all surfaces with clean water.

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**INTERIOR FINISHING**

Read and follow finishing manufacturer’s instructions and warnings on each container of finish material for priming, painting, staining, and varnishing.

**CLEANING**

Clean exterior frame, sash members, and insect screens using a mild detergent-and-water solution and a soft cloth or brush. **Do not** use abrasive cleaners or solutions containing corrosive solvents. For persistent dirt or grime, use a nonabrasive cleanser or a mixture of water and alcohol or ammonia.

**MAINTENANCE**

Immediately sand and refinish any interior wood that becomes stained or mildewed to prevent further discoloration and/or damage. For further information, contact your local Andersen dealer. Dealers can be found in the Yellow Pages under Windows.