Installation Guide for Andersen® 400 Series Tilt-Wash Transom and 200 Series Narroline® Transom Windows

INSTALLER: Please leave this guide with the building owner to file for future reference.

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

Every assembly and installation is different (windloads, structural support, etc.). 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. For installation methods not covered in this guide, (i.e. through jamb) please visit the Architect Detail File on the web (www.andersenwindows.com). Andersen has no responsibility in regard to the post-manufactured assembly and installation of Andersen products.

⚠️ WARNING

Using ladders and/or scaffolding and working at elevated levels may be hazardous. Follow equipment manufacturer’s instructions for safe operation. Use extreme caution when working around window and door openings. Falling from opening may result in personal injury or death.

⚠️ WARNING

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

⚠️ WARNING

Weight of window/door unit(s) and accessories will vary. Use a reasonable number of people with sufficient strength to lift, carry, and install window and door unit(s) and accessories. Always use appropriate lifting techniques.

⚠️ 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 with silicone 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.

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**WARNING**

DO NOT attach objects to unit other than Andersen products specifically designed for unit. Product damage and/or personal injury could occur.

**NOTICE**

When joining Transom Units to Double-Hung Units, a Double-Hung Transom Joining Kit must be used. Refer to kit instruction guide.

**NOTICE**

When installing into masonry and brick veneer walls, refer to Masonry and Brick Installation section on Page 5.

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**Parts Included**

- (1) Instruction Guide
- (1) Transom Unit

**Tools & Supplies**

- Safety Glasses
- Hammer
- Level
- Shims
- 1/8” Blocking
- 1-3/4” Roofing Nails
- Silicone Sealant
- Caulk Gun
- Carpenter’s Square
- Tape Measure
- 1 x 4 x 6” Wood Block
- 5/8” Fasteners

**Component Identification**

- Interior Trim Stop
- Head Jamb Liner
- Side Jamb Liner
- Interior Sash Trim
- Sill
1. Unit Preparation

**NOTICE**

**4-1/8” Wall Thickness Only**

Installation Flanges are factory installed to accommodate 4-1/2” wall thickness. Installation Flanges may be reversed to accommodate wall thickness of 4-1/8”. Check dimensions and install as follows.

- Remove *Installation Flanges* by pulling outwards.
- Reverse *Installation Flanges* and replace. Make sure long leg extends toward the exterior. Apply *Sill Installation Flange* first, centering along sill. Apply *Side Installation Flanges* flush with bottom of unit, overlapping *Sill Installation Flange* to the exterior. Center *Head Flange* along head, overlapping *Side Flanges* at ends equally.
- Tap all *Installation Flanges* in place until fully seated using wood block and hammer.

- Remove unit from carton, turn exterior side up, and place on a clean flat work surface.
- Remove frame protection blocks and staples using appropriate tools.

2. Rough Opening Preparation *(Wood Frame Construction)*

- For masonry and brick installations proceed to Page 5.
- Check squareness and dimension of rough opening.
- Place tape measure diagonally across rough opening, upper left to lower right and upper right to lower left corner. If measurements are the same, opening is square.
- Check sill plate with carpenters level. Sill plate must be level.
3. Install Window Unit

**WARNING**

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

**CAUTION**

- Steel fasteners will corrode when used with ACQ Pressure Treated Lumber.
- Obtain and use the appropriate size stainless steel screws, as called out in this installation guide, to fasten unit to any rough opening made from ACQ Pressure Treated Lumber.
- Failure to use stainless steel fasteners may result in fastener corrosion causing product damage.

- Carefully lift window unit into rough opening from the exterior. Center unit in opening. Install windows in a vertical position only.
- Insert blocking at corners between sill plate and bottom of side jamb, while holding unit in place.
- Nail one corner of unit through *Installation Flange* from the exterior using 1-3/4" roofing nails.
- Plumb, level, and square unit. Shim at corners as needed to level unit.
- Measure unit across top, bottom, and center. Measurements should be equal. Place shims along side jambs at center, top, and bottom.
- Nail remaining *Installation Flange* corners and nail around unit full perimeter, spacing nails every 6 to 8 inches.
4. 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.

5. Insulate Window Unit

**CAUTION**

When insulating between unit’s frame and rough opening **DO NOT** overpack batt insulation or overfill with expandable foam. Bowed jambs may result, affecting product performance and/or causing incorrect unit operation.

- Insert insulation between frame and rough opening on all sides. Do not overpack or overfill with insulation. Bowed jambs may result.
- All exterior siding (or other finish) must have a 1/4" clearance around unit, except at sill in masonry installations where 1/2" is required at sill. See Page 6.
- Apply backer rod and a quality silicone sealant around exterior perimeter of window after siding (or other finish) is applied over *Installation Flanges*.

In *Interior View* and *Exterior View*.
6. Attach Interior Casing (Supplied by Others)

**NOTICE**

If Optional Stool or Sill Extension Jambs are to be used, refer to individual Optional Stool or Sill Extension Jamb application instruction guides available through your Andersen Dealer or go to www.andersenwindows.com.

**CAUTION**

Do not nail into Side Jamb Liners or Sill Cover. When applying interior casing without extension jambs, do not nail within 1” of inside edge of Head and Side Stops. Nail sill casing 1-1/2” (Double-Hung) or 1-1/8” (Narroline) from edge of Sill Stop and at a 15° angle downward to avoid Sill Cover damage.

- Follow diagrams according to type of Transom Unit being installed.
- Drill holes and attach *Interior Casing* using 3d (1-1/4”) finish nails. Position nails, as shown, according to type of Transom Unit being installed.
Installation in Masonry & Brick Veneer Walls

**WARNING**

Flying particles during masonry cutting can cause personal injury and damage glass. Always wear Safety glasses when cutting. Cover window unit to avoid damage.

**CAUTION**

- Steel fasteners will corrode when used with ACQ Pressure Treated Lumber.
- Obtain and use the appropriate size stainless steel screws, as called out in this installation guide, to fasten unit to any rough opening made from ACQ Pressure Treated Lumber.
- Failure to use stainless steel fasteners may result in fastener corrosion causing product damage.

**Construction with Wood Bucks**

- When using wood bucks, follow the same procedure as in wood frame construction.

**Construction without Wood Bucks Using Jamb Clips by Andersen**

- Remove all Installation Flanges, head, sides, and sill.
- Install Jamb Clips in kerf on back of jambs using 5/8" fasteners. Bend Jamb Clips into position when fastened.
- Use number of Jamb Clips as recommended by architect or structural engineer.
- Install and center unit in rough opening, level, plumb, and square.
- Shim at all anchor locations, as needed, to level, plumb, and square unit.
- Secure Jamb Clips to wall using masonry fasteners or fasten into furring strips.

- Provide a minimum clearance of 1/2" from top of brick or masonry to the bottom of any portion of sill. Failure to do so could result in operation problems from bowing of sill.
- Acid solutions commonly used to wash masonry will damage glass, fasteners, hardware, and metal flashings. Follow cleaning solution manufacturer’s recommendations carefully. Protect and/or cover Andersen products during cleaning process to prevent acid contact. If solution does come into contact with unit, immediately wash all surfaces with clean water.

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- Obtain and use the appropriate size stainless steel screws, as called out in this installation guide, to fasten unit to any rough opening made from ACQ Pressure Treated Lumber.
- Failure to use stainless steel fasteners may result in fastener corrosion causing product damage.

Wood Frame with Brick Veneer

Silicone Sealant

1/2"

Sill

Wood Frame with Brick Veneer

Metal Jamb Clip

Kerf

Furring Strip

1/4" at Head and Side Jambs

Wood Frame with Brick Veneer
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.

**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.