

# Support Joining Guide (Vertical)

for Andersen® 400 Series Woodwright® Double-Hung, 400 Series Tilt-Wash, Double-Hung and 200 Series Narroline® Double-Hung 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](http://www.andersenwindows.com)). 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/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® Installation Flanges **DO NOT** take the place of standard window and door flashing. **Unit must be properly flashed and sealed with sealant, and full width drip cap 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.

**⚠ WARNING**

Metal fasteners and components may corrode when exposed to preservative-treated and/or fire-retardant treated lumber. Obtain and use the appropriate metal fasteners and hardware as called out by the installation guide to fasten unit to any rough opening made from preservative-treated and fire-retardant treated lumber. Failure to use the appropriate materials for the installation may cause a failure resulting in injury, property or product damage.

**Parts Included**

- (1) Support Mullion Wood Filler
- (1) Support Mullion Trim Strip

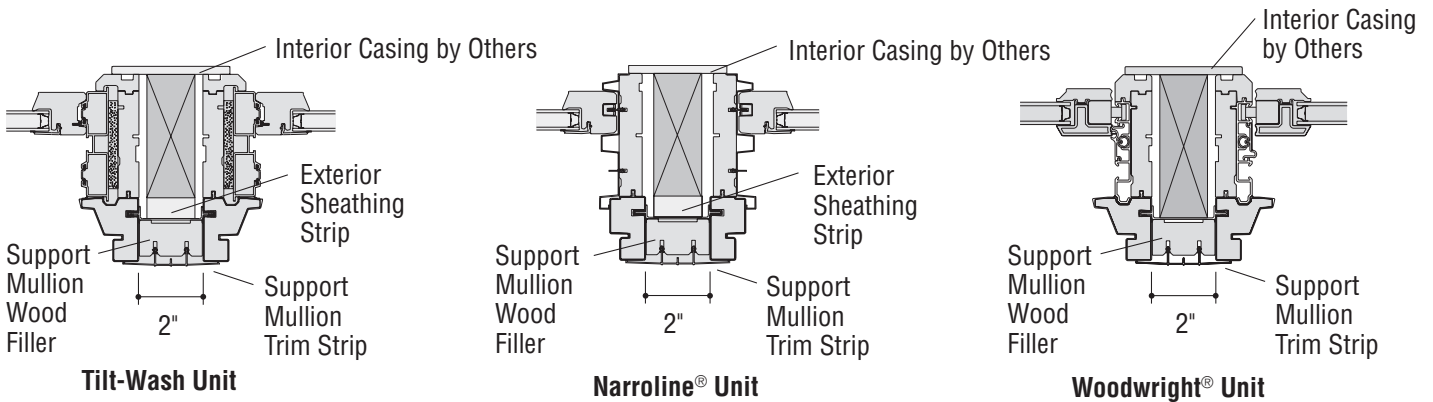
**Tools and Supplies**

- Safety Glasses
- Hammer
- Level
- Insulation
- Shims
- Sealant
- Caulk Gun
- Wood Block
- (8d) Casing Nails
- 1-3/4" Roofing Nails
- Interior Casing by others
- Naphtha

**Additional Parts Sold Separately**

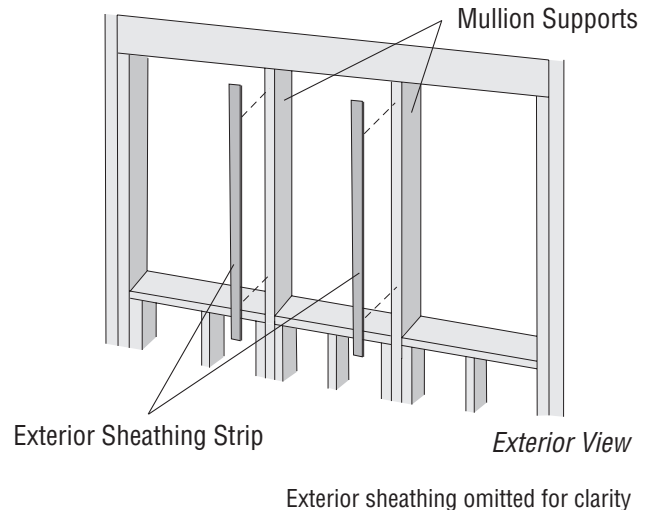
- Drip Cap (full width)

**Components**



**1. Prepare Rough Opening**

- Rough opening dimensions for single units are used to locate *Mullion Supports*. Rough opening dimensions for units can be obtained from the *Andersen® Product Guide* or an Andersen supplier.
- Check squareness and dimension of rough opening.
- Place tape measure diagonally across each unit's rough opening, upper left to lower right and upper right to lower left corner, if measurements are within 1/8", openings are square.
- Check sill plate with level. Sill plate must be level.
- Apply a strip of exterior sheathing to exterior of *Mullion Supports*.



## 2. Install Middle Unit

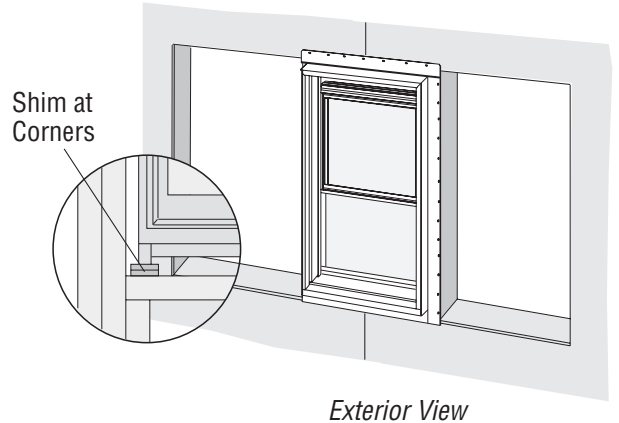
### **⚠ WARNING**

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.

- From the exterior, carefully lift middle unit and center in rough opening.
- Unit must be installed in a vertical position only.
- Holding unit in place, insert shims at corners between sill plate and bottom of side jambs.
- Nail only corners of unit through holes in *Installation Flange* using 1-3/4" roofing nails. Check for level and square.

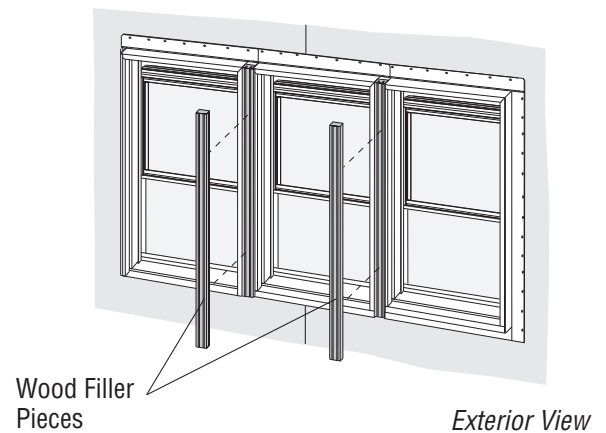
### **NOTICE**

Before lifting unit into place close and lock sash to make sure unit is rigid and remains square.



## 3. Install End Units

- From the exterior, carefully lift end unit into place and center in rough opening.
- Insert *Wood Filler Piece* between units to determine correct spacing.
- Holding unit in place, insert shims at corners between sill plate and bottom of side jambs.
- Nail only corners of units through holes in *Installation Flange* using 1-3/4" roofing nails.
- Repeat above procedures for opposite end unit.



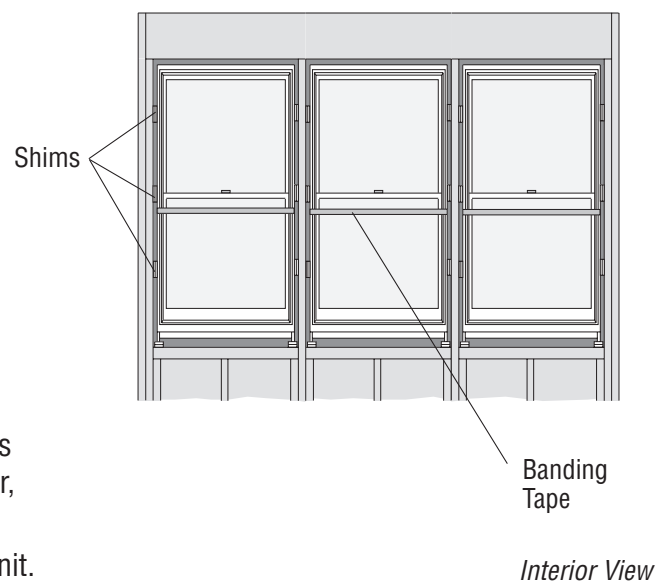
## 4. Plumb, Level, Square and Shim Units

- Measure units for plumb, level and square. Measurements must be within 1/8". From exterior, check reveal between lower sash and sill, shim at corners of unit as necessary to level unit.

### **⚠ WARNING**

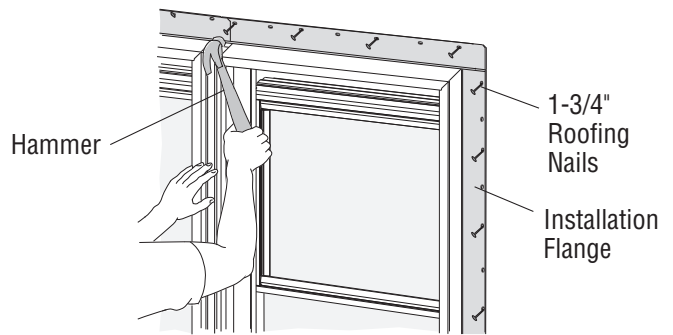
Prevent frame bow by inserting shims between Side Jambs and rough opening at center, top and bottom. Bowed Side Jambs may cause Sash to fall out. Do not over shim as this effects operation.

- Measure unit across top, bottom and center. Measurements must be within 1/8". Place shims along side jambs at center, top and bottom. Banding tape must remain taught.
- For **Tilt-Wash Units Only**, remove packing block at top of unit.
- Remove banding tape from center of unit.



## 5. Secure Around Installation Flange

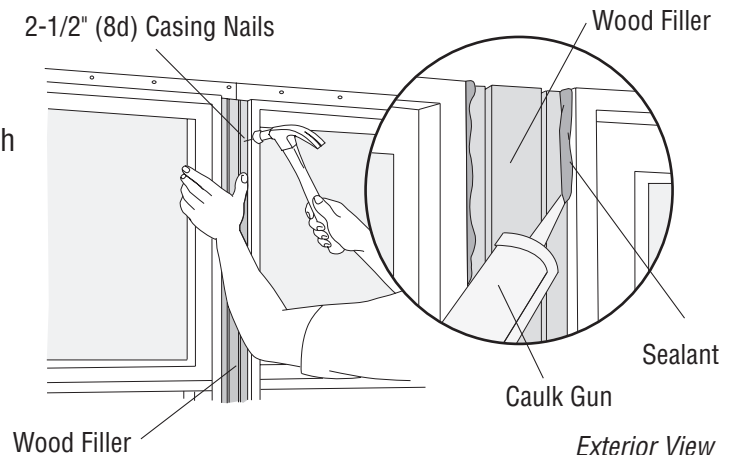
- Secure *Installation Flanges* around full perimeter of units using 1-3/4" roofing nails. Space nails at 6" to 8" intervals.



Exterior View

## 6. Secure and Seal Wood Filler

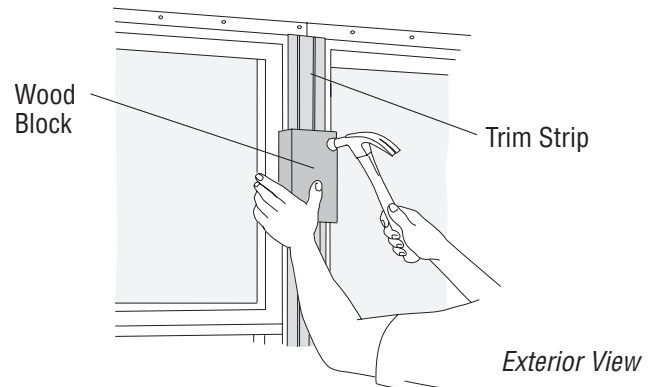
- Apply *Wood Filler*, white end down for white units or brown end down for Terratone® or Sandtone colored units. Secure with 2-1/2" (8d) casing nails. Start flush with bottom of sill and avoid nailing into saw kerf.
- Apply a 3/8" bead of sealant to both sides of *Wood Filler* where it meets sides of units.



Exterior View

## 7. Apply Trim Strip

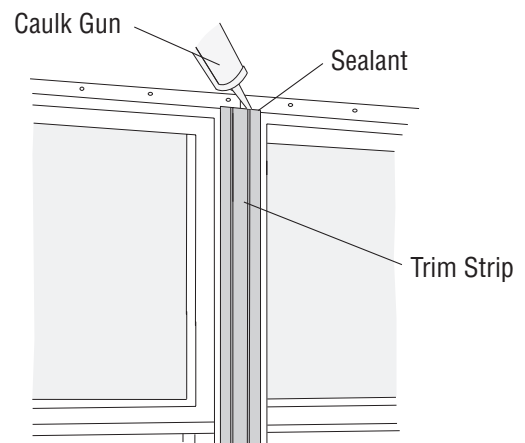
- Apply *Trim Strip* flush with bottom of sill pressing *Trim Strip* legs into saw kerf full length.
- Tap *Trim Strip* in place with wood block and hammer full length until tight contact is made with units on both sides.



Exterior View

## 8. Apply Sealant

- Apply sealant to both top and bottom of *Trim Strip* and tool smooth. Remove any excess sealant with naphtha.
- Apply insulation, on the interior, between mullion supports before attaching Interior *Mullion Post Casing* (supplied by others).
- Proceed to full width drip cap application step in the *Unit Installation Guide* for full width drip cap, flashing, and insulation steps.



Exterior View