

Non-Reinforced Joining Guide (Vertical)

for Andersen® 400 Series Woodwright® Double-Hung, Picture, and 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

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

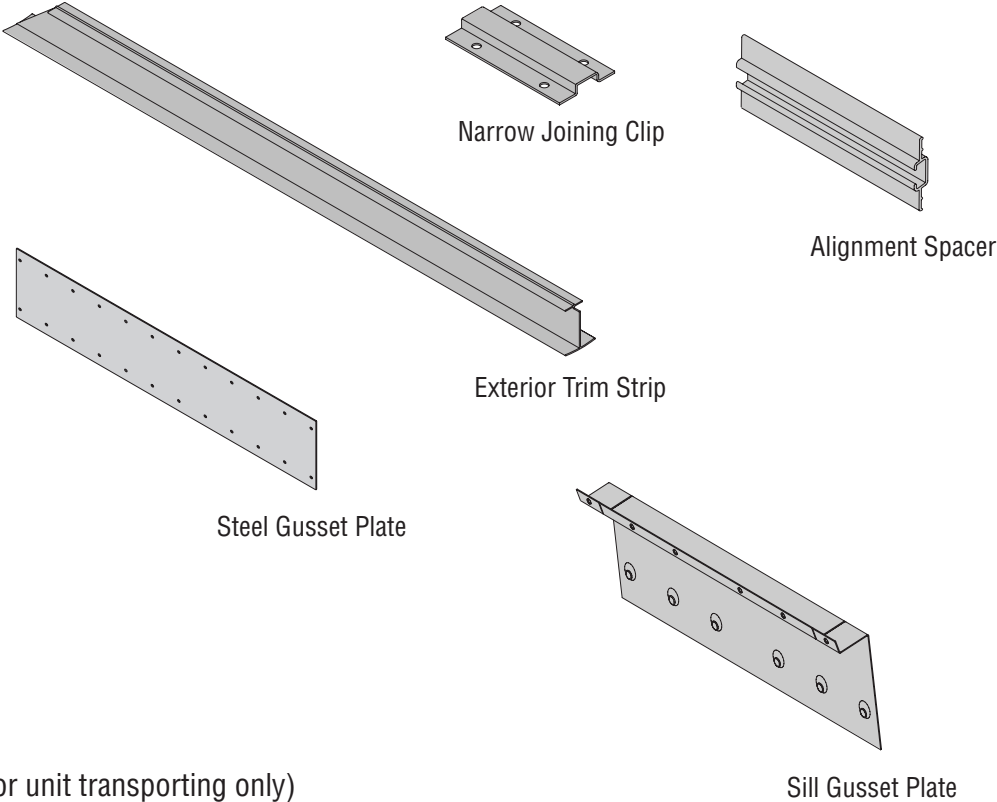
- Andersen® Installation Flanges **DO NOT** take the place of standard window and door flashing. **Unit must be properly flashed and sealed with sealant, and full width drip cap for protection against water and air infiltration.** Use non-reflective flashings. Highly reflective flashing tapes can raise 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.

Parts Included

- (*) Non-Reinforced Joining Clip
- (*) Alignment Spacer
- (*) Exterior Trim Strip
- (*) Steel Gusset Plate
- (*) Sill Gusset Plate

Tools & Supplies

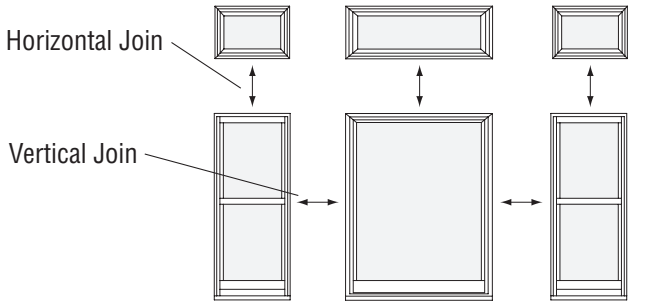
- Safety Glasses
- Hammer
- Power Drill
- Caulk Gun
- Sealant Primer
- Sealant
- 3/32" Drill Bit
- 1-1/4" (3d) Finish Nails
- #8 x 1" Flat head Screws
- #8 x 1-1/4" Flat Head Screws
- #8 x 1-3/8" Flat Head Screws
- 1/2" Staples
- 2" x 4" and 3/4" x 4" Bracing (for unit transporting only)



* Quantity of parts included is determined by assembly configuration.

NOTICE

- Horizontal Joining **must** be completed before Vertical Joining. For combinations that include horizontal joins, refer to horizontal joining guide for Woodwright® double-hung windows.
- Combinations with both horizontal and vertical joins may require steel reinforced joining, depending on design pressure requirements.



Double-Hung/Picture/Transom Combination

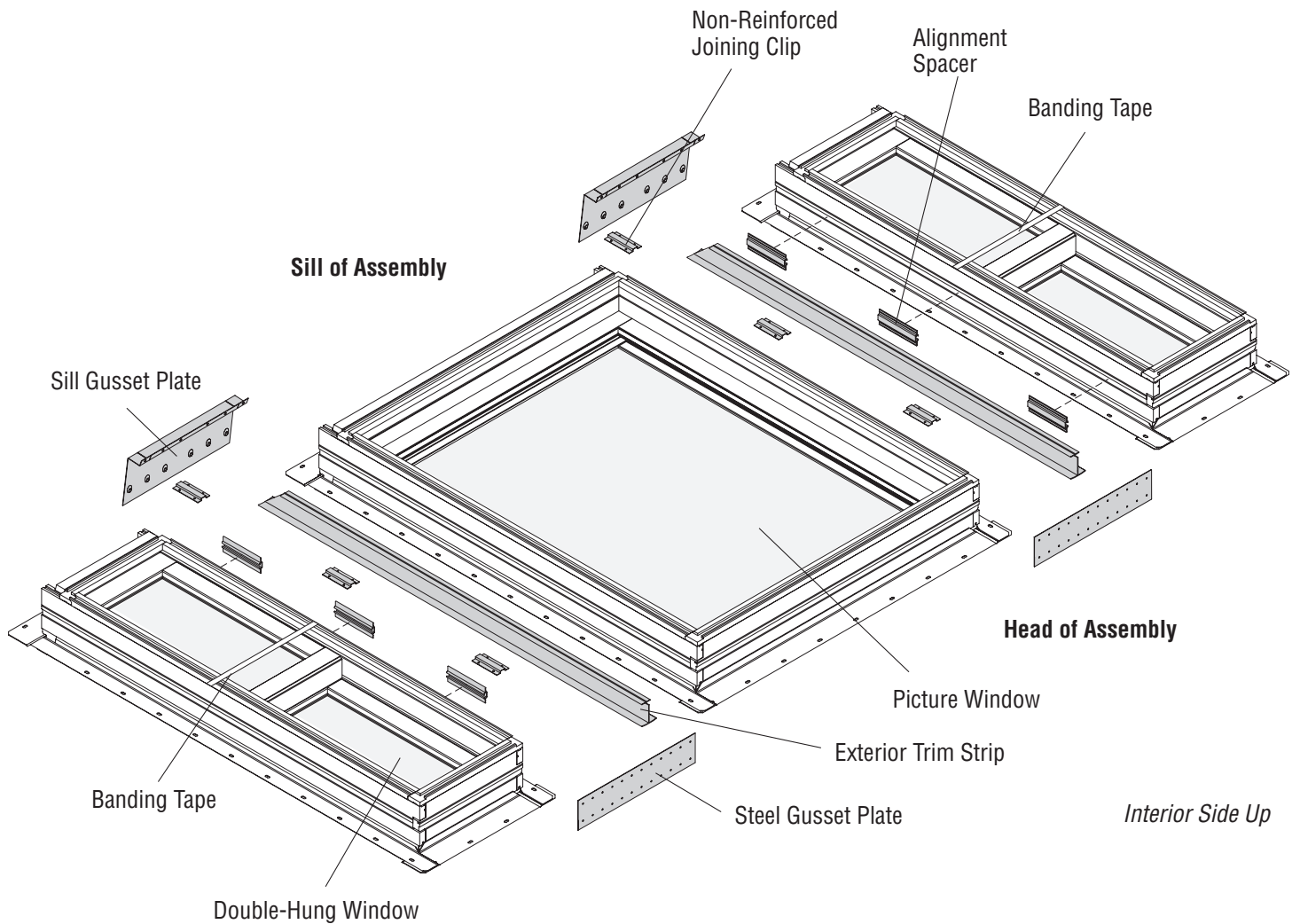
1. Prepare Units

- Remove units from packaging and place interior side up on a clean, flat work surface.

NOTICE

DO NOT remove banding tape and packaging clips on Double-Hung Units until assembled combination is installed.

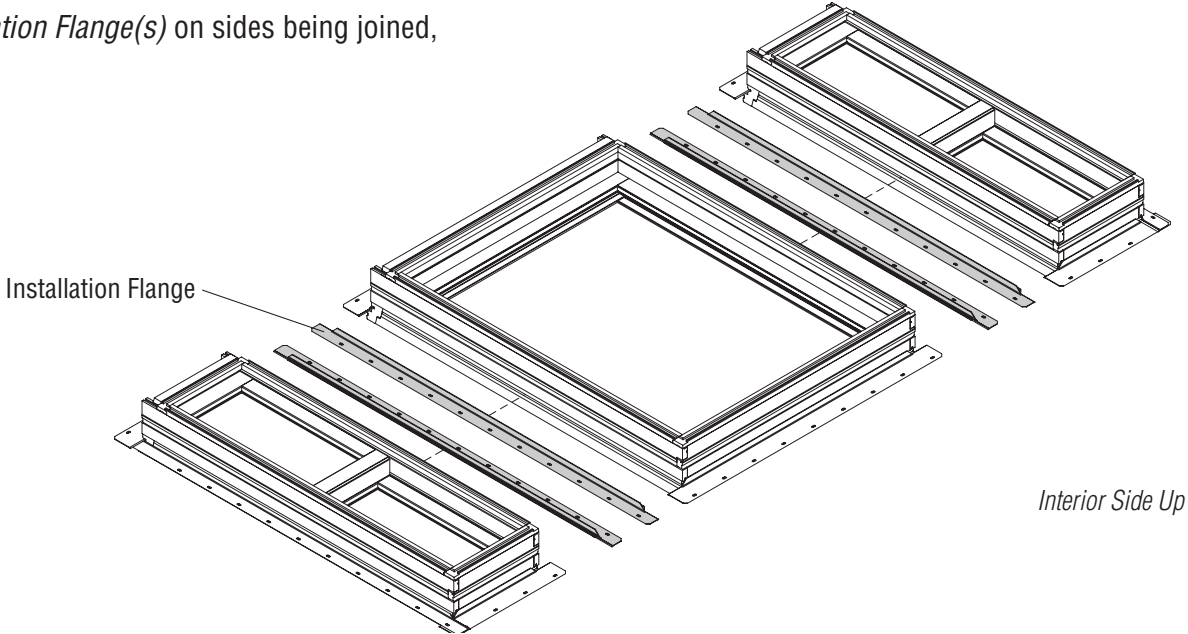
- Remove packaging material. For **Double-Hung Units**, **DO NOT** remove *Banding Tape* or *Packing Clips*.



Double-Hung/Picture Combination

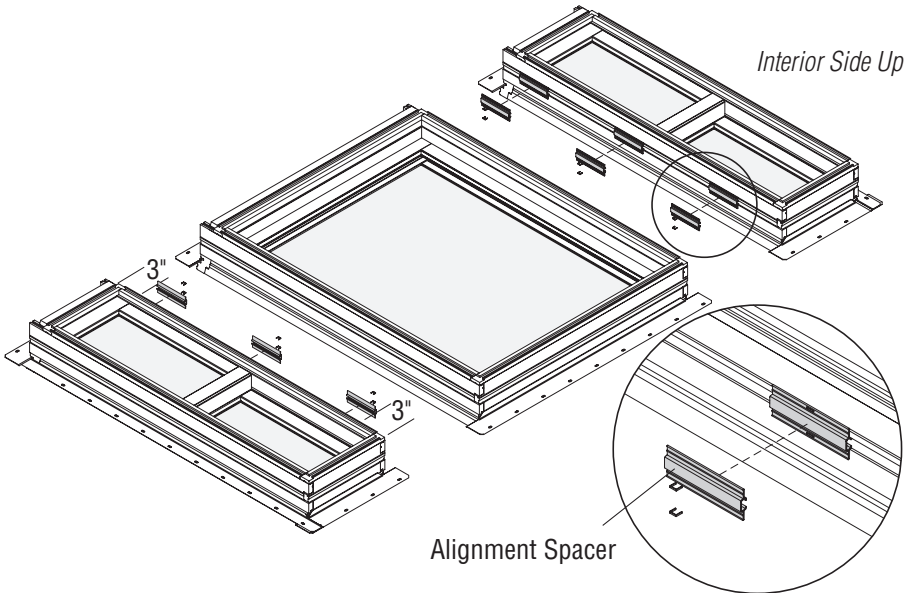
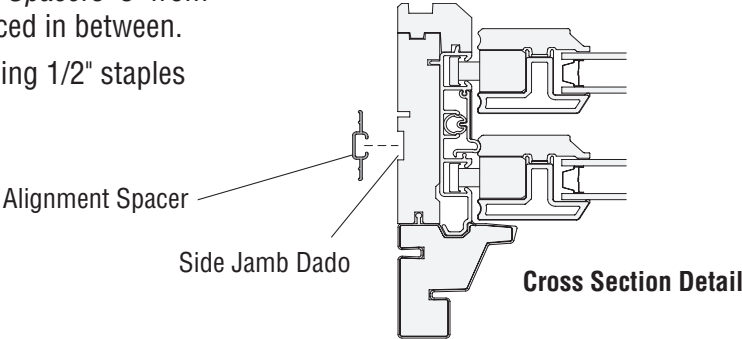
2. Remove Installation Flanges

- Remove *Installation Flange(s)* on sides being joined, as shown.



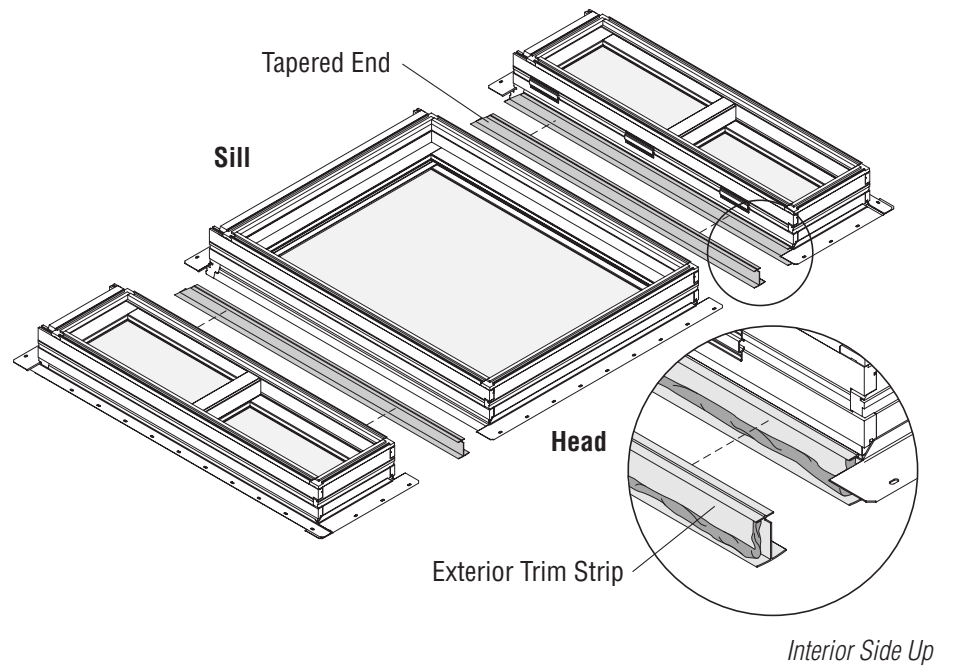
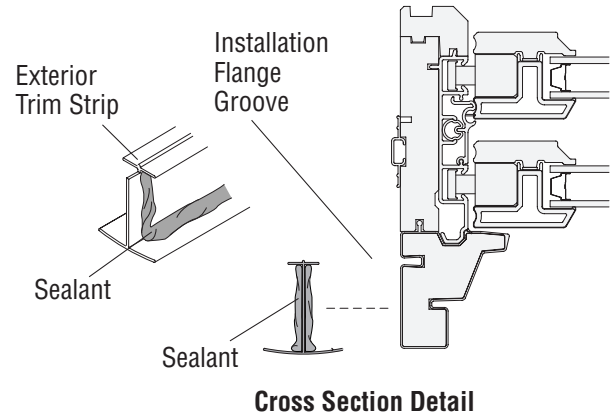
3. Apply Alignment Spacers

- Position *Alignment Spacers* in dado on side jamb of one unit for each join. Locate *Alignment Spacers* 3" from top, 3" from bottom, and evenly spaced in between.
- Fasten *Alignment Spacers* to unit using 1/2" staples or nails.



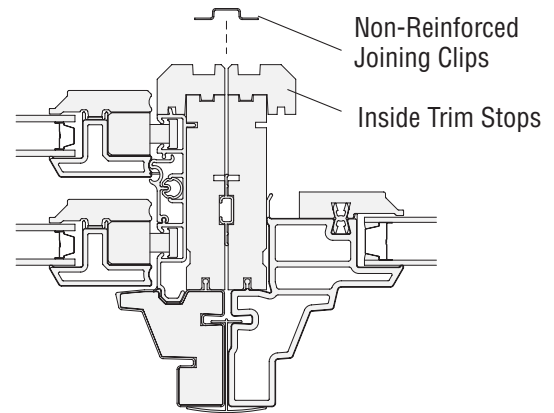
4. Apply Exterior Trim Strips

- Apply a 3/16" bead of sealant, full length to both sides and at each end of *Exterior Trim Strip*, as shown.
- Position *Exterior Trim Strip*, to side jamb with attached *Alignment Spacers*, locating tapered (mitered) end at sill, inserting leg into *Installation Flange* groove, and keeping ends flush with ends of units.
- Position unit (without *Alignment Spacers/Exterior Trim Strips*) to first unit, aligning flush at head, sill, and along length of side jamb. Make sure *Exterior Trim Strip* remains in position on first unit and enters installation flange groove on second unit.

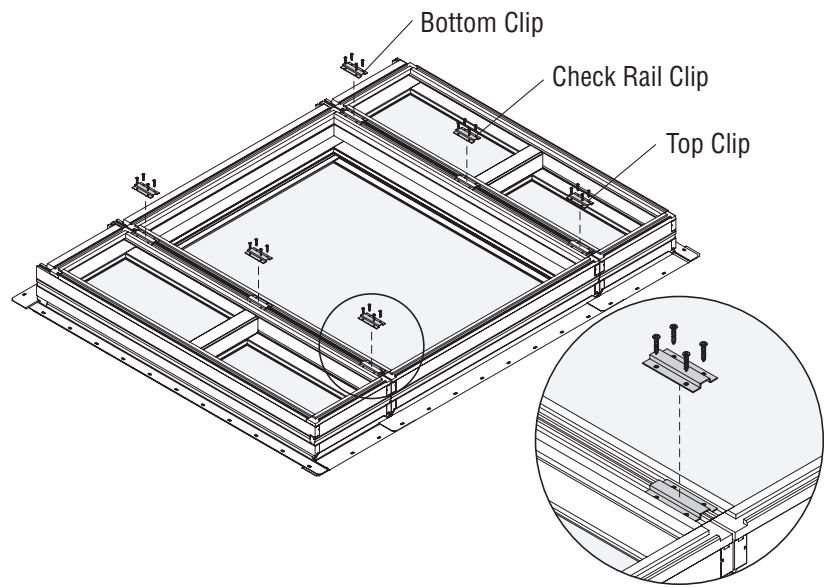


5. Attach Non-Reinforced Joining Clips

- Position *Non-Reinforced Joining Clips* into grooves on adjacent *Inside Trim Stops*. Locate clips 3" from top, 3" from bottom of each unit, and at check rails. Space remaining two *Non-Reinforced Joining Clips* equally between check rail and top and bottom clips, as shown
- Flush unit at head and sill.
- Drill 3/32" holes 1" deep into *Inside Trim Stops* using *Non-Reinforced Joining Clips* as templates.
- Fasten *Non-Reinforced Joining Clips* using four #8 x 1-3/8" flat head screws per clip.



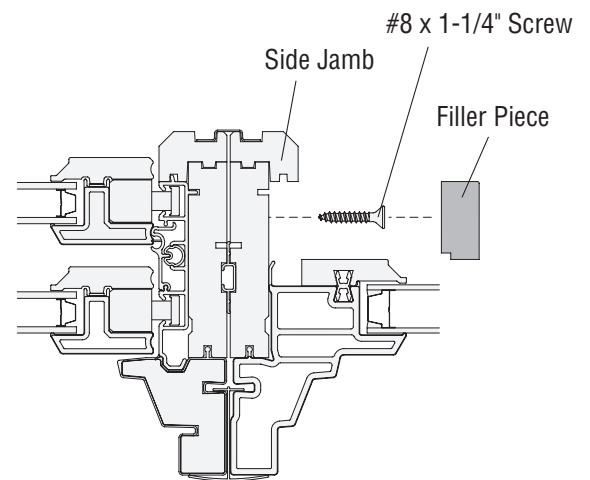
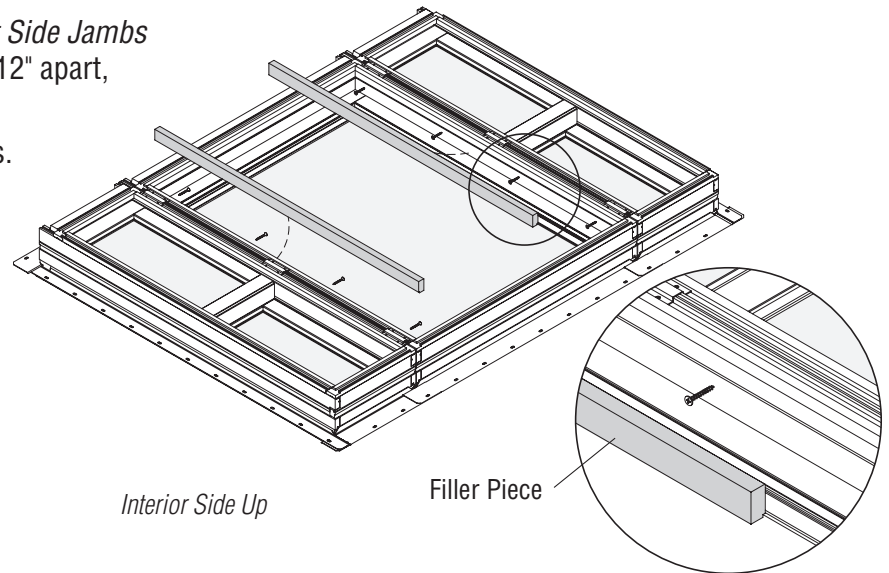
Cross Section Detail



Interior Side Up

6. Fasten Through Jamb (Picture and Transom Units Only)

- Grasp extended nail and pull outward to remove *Filler Piece* from sides to be joined.
- Fasten through *Picture and Transom Unit Side Jamb* using #8 x 1-1/4" flat head screws, 10" to 12" apart, as shown.
- Reapply *Filler Piece* using (3d) finish nails.



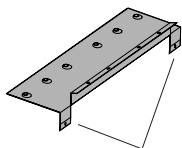
Double-Hung to Picture Window

7. Attach Sill and Head Gusset Plates

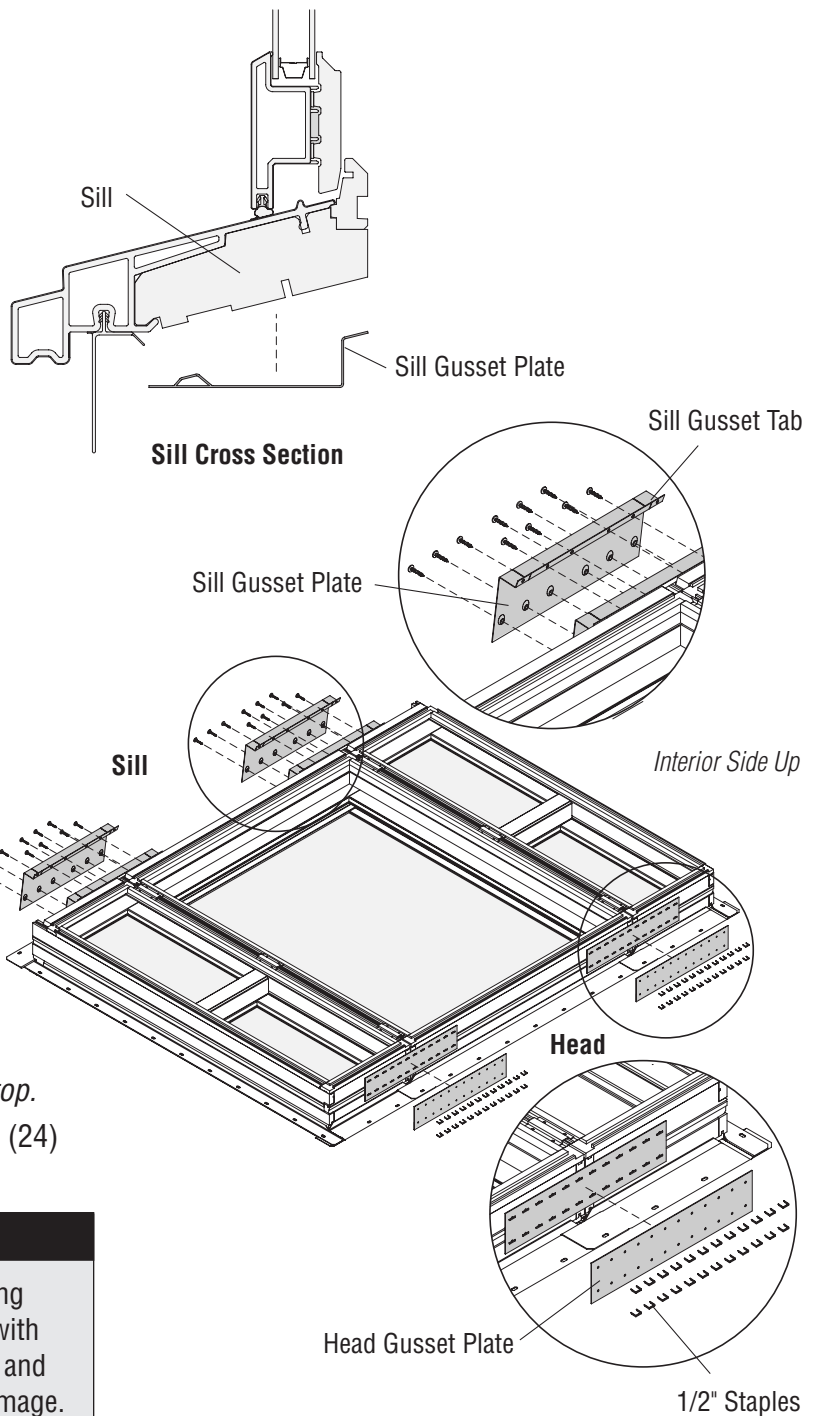
- Position *Sill Gusset Plate* to bottom of sill, centering over join and aligning edge with interior edge of sill.
- Fasten *Sill Gusset Plate* to sill using #8 x 1" flathead screws, as shown. **DO NOT** fasten through outermost holes (tabs) on formed edge of *Sill Gusset Plate*.

NOTICE

Sill Gusset Tabs can be bent down and secured to sill plate after unit has been installed. Sill Gusset Tabs provide additional support to joined unit.



Sill Gusset Tabs

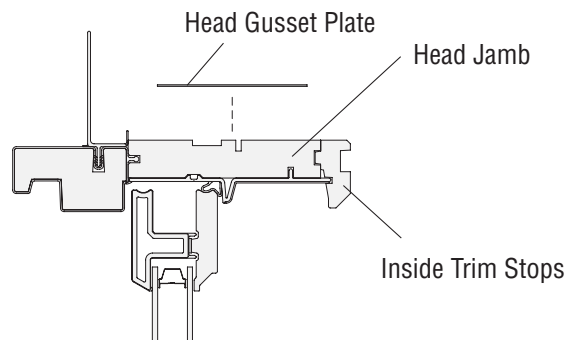


- Position *Head Gusset Plate* on top of *Head Jamb*, centering over join and 3/4" below *Inside Trim Stop*.
- Fasten *Head Gusset Plate* Hold using twenty-four (24) 1/2" staples or nails.

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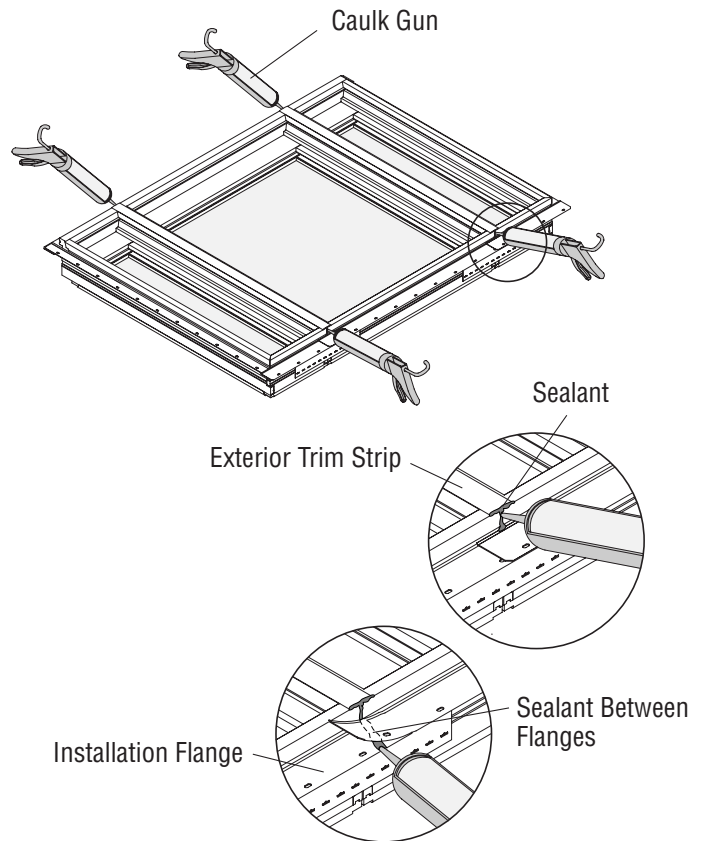
- Carefully turn joined units over, exterior side up.



Head Jamb Cross Section

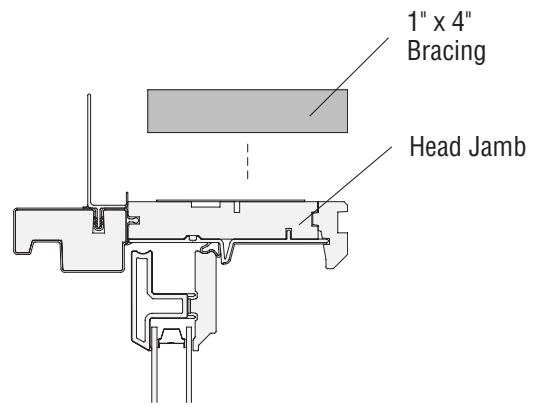
8. Apply Sealant

- Seal ends of *Exterior Trim Strips* with sealant and tool smooth.
- Apply sealant between all *Installation Flange* lap joints as shown.
- If unit is to be transported to job site, proceed to **Step 9**.
- Proceed to units installation guide for installation procedures.
- Proceed to full width drip cap application step in the unit installation guide for full width drip cap, flashing and insulation steps.

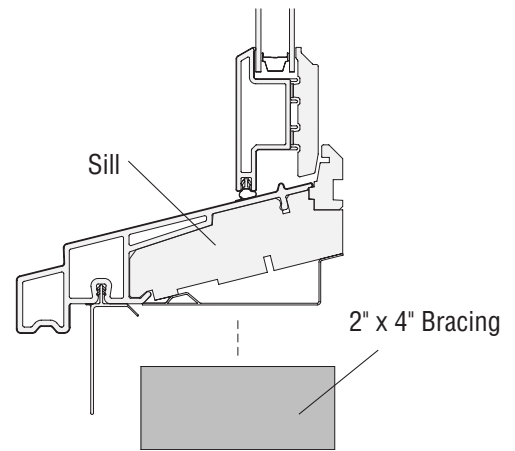


9. Apply Bracing (for unit transport only)

- Apply 2" x 4" bracing to sill using 2-1/2" (maximum) nails or screws centered on bracing.
- Apply 1" x 4" bracing to head jamb using 1-1/4" (maximum) nails or screws centered on bracing.



Head Jamb Cross Section



Sill Cross Section

