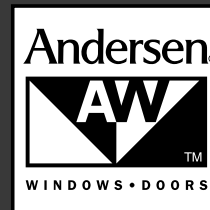


# Panel Assembly and Installation

for Andersen® 400 Series Frenchwood® Gliding Patio Doors with Stormwatch™ Protection (High-Performance™ Impact Resistant or Monolithic Impact Resistant Glass)



**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

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

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.

**NOTICE**

- Door frame and panels are packaged in separate cartons.
- Install door frame before proceeding with panel installation.
- Panel hardware and interlock weatherstrip are included in frame package.

**NOTICE**

Interior surface and trim must be finished (painted, stained, etc.). Finishing prior to installation is recommended. Refer to finishing manufacturer's instructions and warnings. Exterior surfaces, with Perma-Shield® finish, do not need to be finished.

**Parts Included - Stationary Panel**

- (1) Instruction Guide
- (1) Stationary Door Panel
- (1) Side Jamb Wood Trim Piece

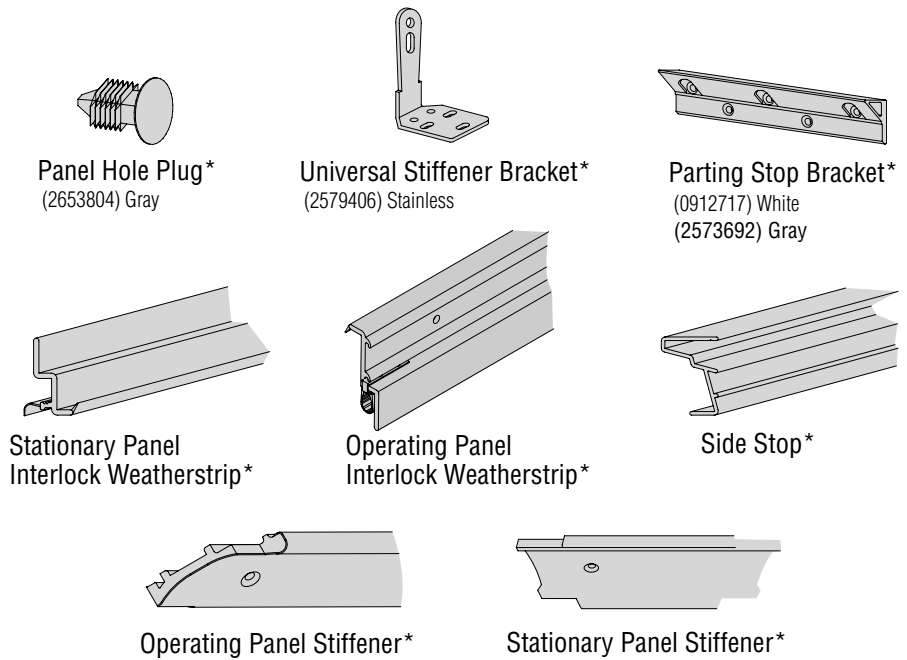
**Parts Included - Active Panel**

- (1) Active Door Panel

**Tools & Supplies**

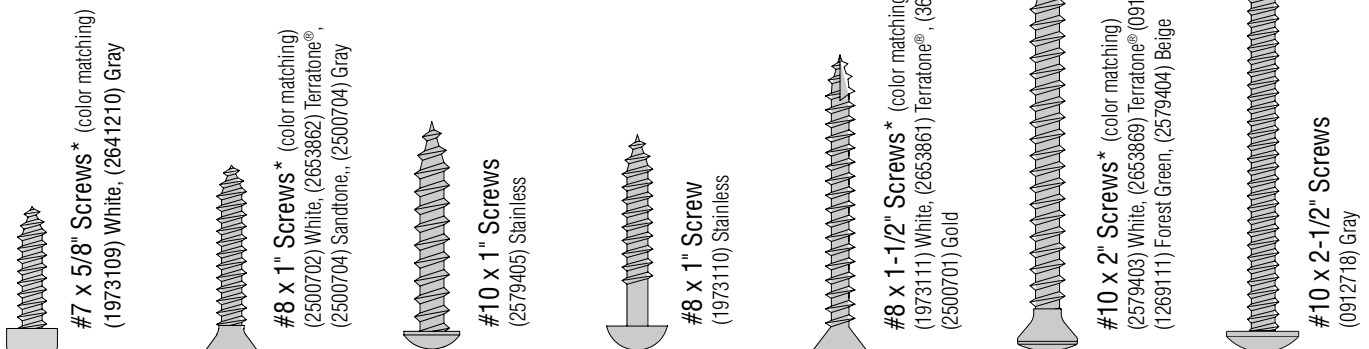
- Safety Glasses
- Hammer
- Caulk Gun
- Power Drill
- 1/16" Drill Bit
- 1/8" Drill Bit
- Phillips Screwdriver
- Flat Head Screwdriver
- Finish Nails
- Nail Set

**Components Identified**



**! 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.



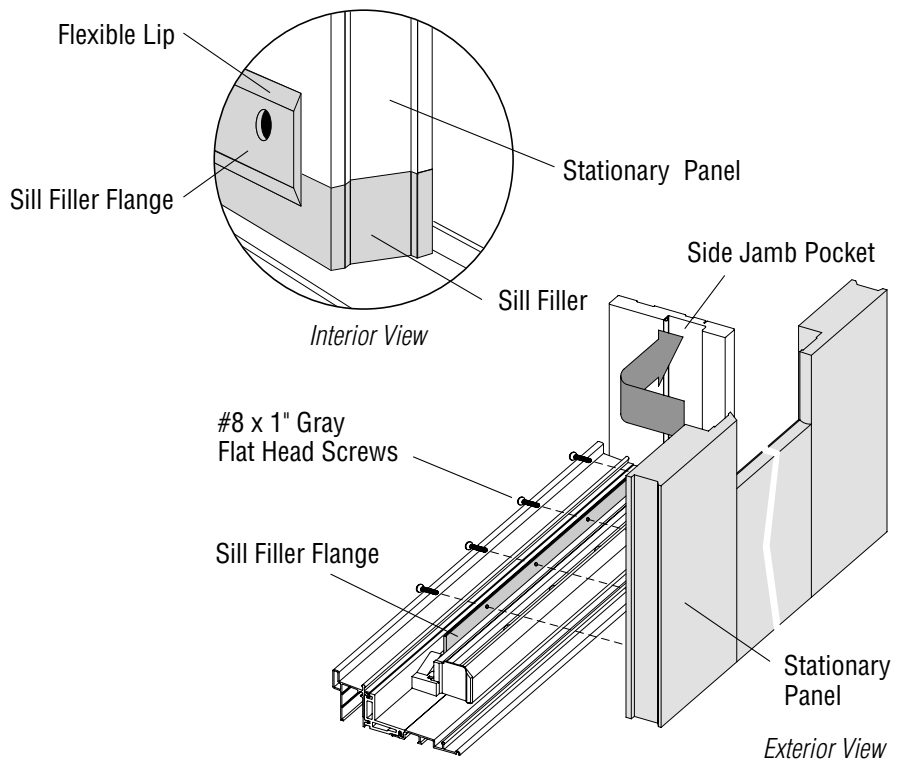
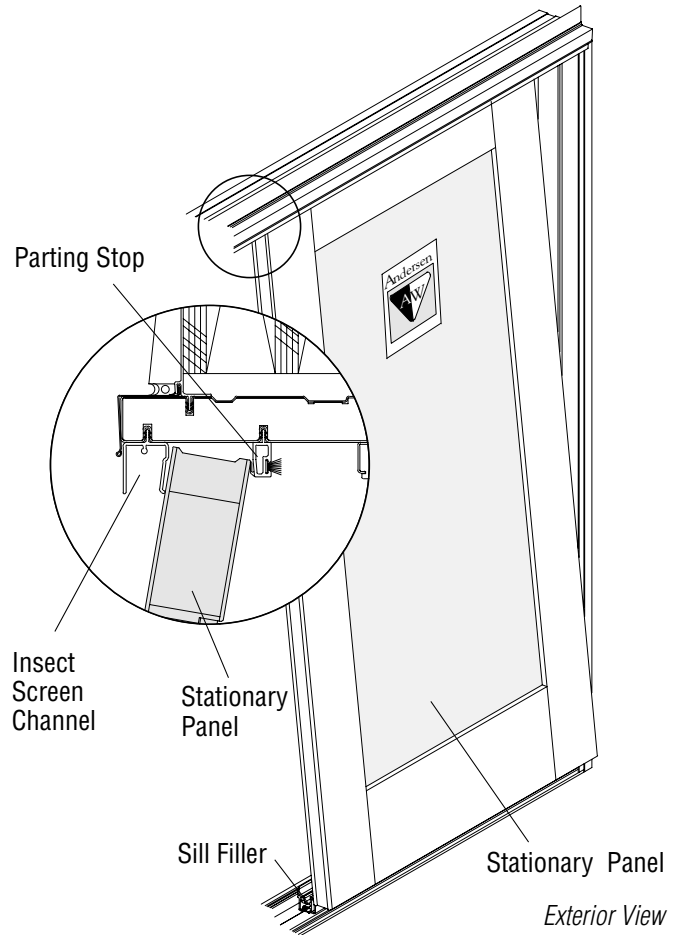
\* Parts/screws from frame package that are needed for panel installation.

1. Install Stationary Panel (2-Panel Doors Only)

**⚠ WARNING**

Weight of door panels will vary. Use a reasonable number of people with sufficient strength to lift, move and carry door panels. Always use appropriate lifting techniques.

- Lift *Stationary Panel*, from the exterior, and insert top between *Insect Screen Channel* and *Parting Stop*.
- Set bottom of *Stationary Panel* onto *Sill Filler* making sure it rests tightly against the *Flexible Lip*.
- *Slide Stationary Panel* sideways into side jamb pocket until panel is flush with end of *Sill Filler* and predrilled holes in panel line up with holes in *Sill Filler Flange*.
- Fasten *Stationary Panel* through *Sill Filler Flange* using *#8 x 1" Gray Flat Head Screws*.



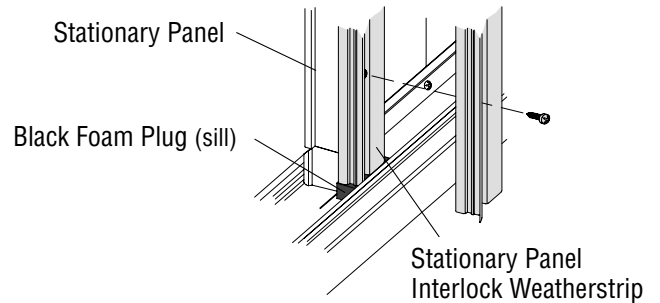
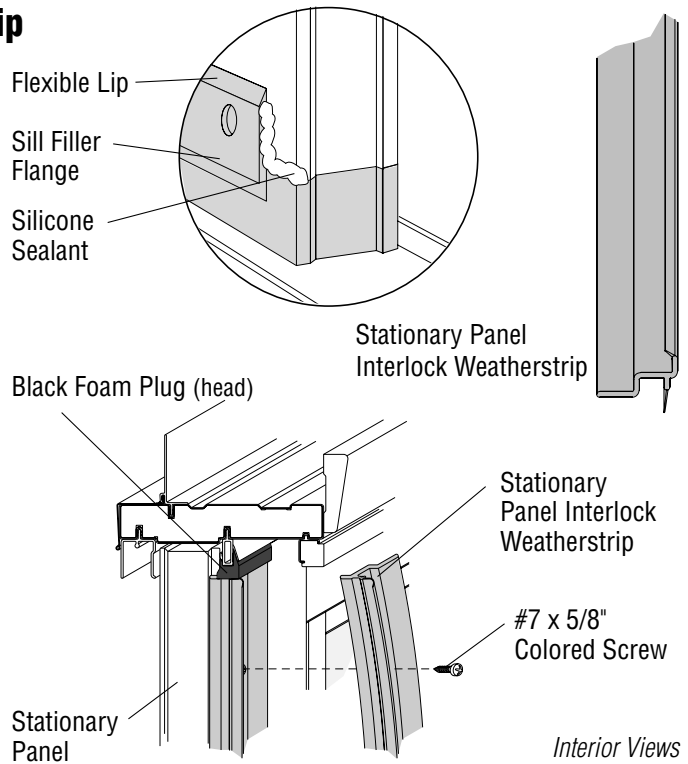
**2. Install Stationary Panel Interlock Weatherstrip**

- Apply a 1/8" bead of *Silicone Sealant* up the vertical edge of *Stationary Panel* starting at the bottom edge of the panel, as shown.

**⚠ CAUTION**

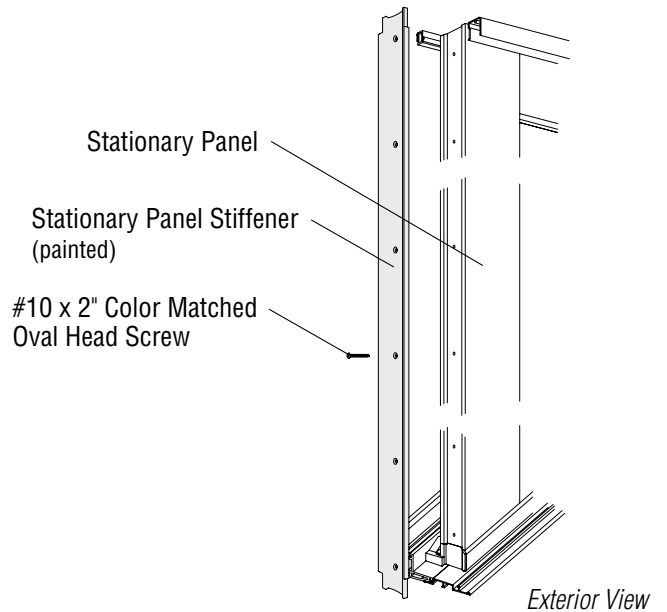
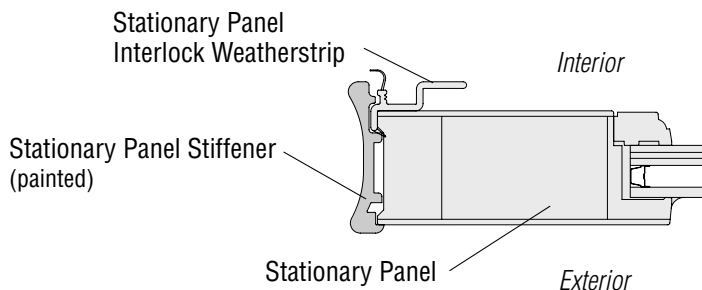
Interlock Weatherstrip must contact black Foam Plug at top of unit and black Foam Plug on bottom of unit to achieve a weather tight seal. Failure to do so may result in water infiltration and product or property damage.

- Position *Stationary Panel Interlock Weatherstrip* on interior edge of *Stationary Panel* as shown. Ends of *Stationary Interlock Weatherstrip* must be in contact with black *Foam Plugs* located at the *Head* and *Sill*.
- Hold *Stationary Panel Interlock Weatherstrip* tight to *Stationary Panel* edge and drill a 1/16" hole, 3/8" deep, into panel using weatherstrip as a guide.
- Fasten weatherstrip to *Stationary Panel* using #7 x 5/8" *Colored Screws*.



**3. Position Stationary Panel Edge Stiffener**

- Position painted *Stationary Panel Stiffener* on *Stationary Panel* edge, over *Stationary Panel Interlock Weatherstrip*.
- Fasten *Stationary Panel Stiffener* in position using one #10 x 2" *Color Matched Oval Head Screw* through third hole up from bottom.



**4. Attach Head and Sill Brackets**

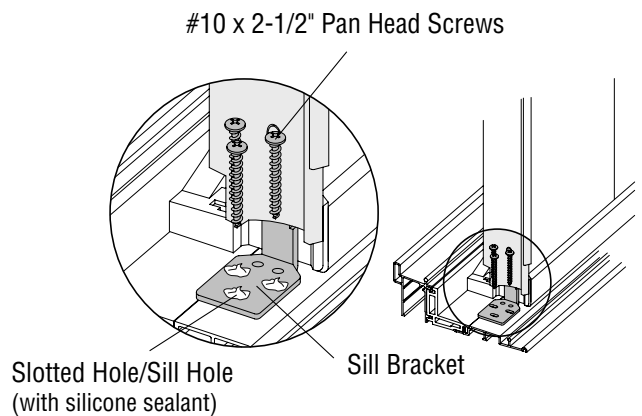
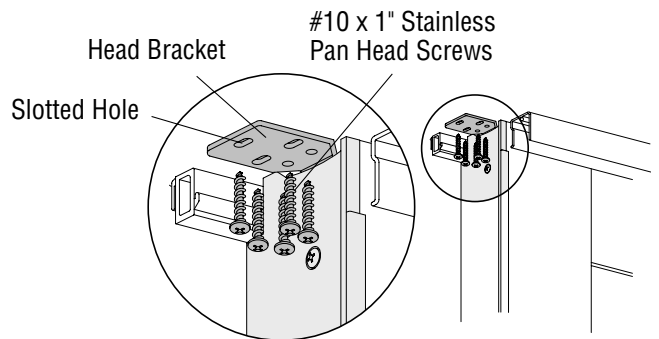
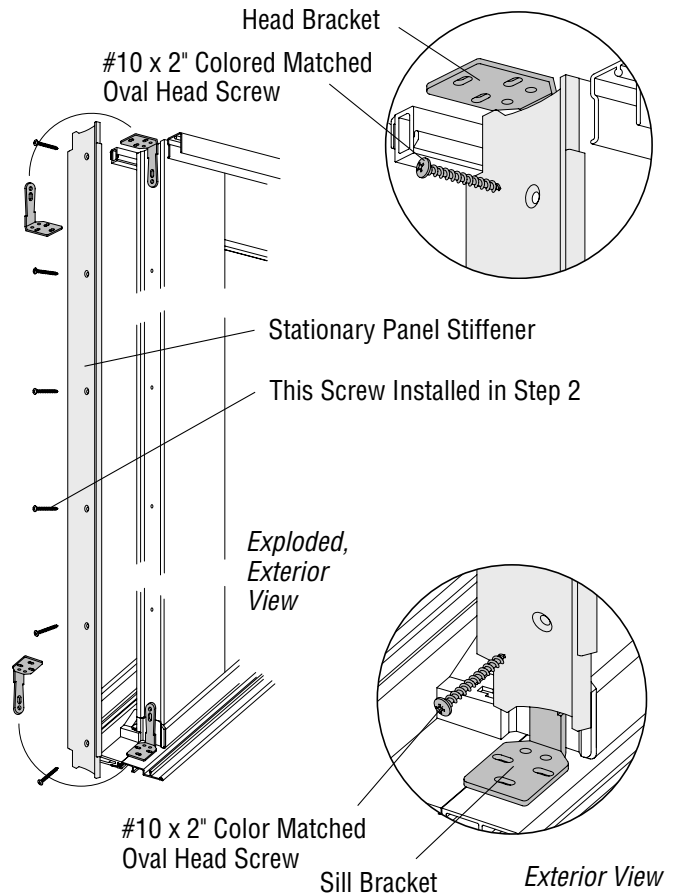
- Insert *Head* and *Sill Brackets* by pulling back top and bottom of *Stationary Panel Stiffener* and positioning brackets behind it.
- Fasten *Head Bracket* to panel using one *#10 x 2" Color Matched Oval Head Screw*. Align slotted holes in *Head Bracket* with predrilled holes in head jamb and fasten using three *#10 x 1" Stainless Pan Head Screws*. Repeat for remaining two holes in *Head Bracket*.
- Fasten *Sill Bracket* to panel with one *#10 x 2" Color Matched Oval Head Screw*.
- Align slotted holes in *Sill Bracket* with predrilled holes in sill and drill three 1/8" holes, 2" deep, using predrilled holes as a guide.

**CAUTION**  
 Silicone sealant and Sill Screws must be applied to prevent water infiltration. Failure to do so may result in product and/or property damage.

**CAUTION**

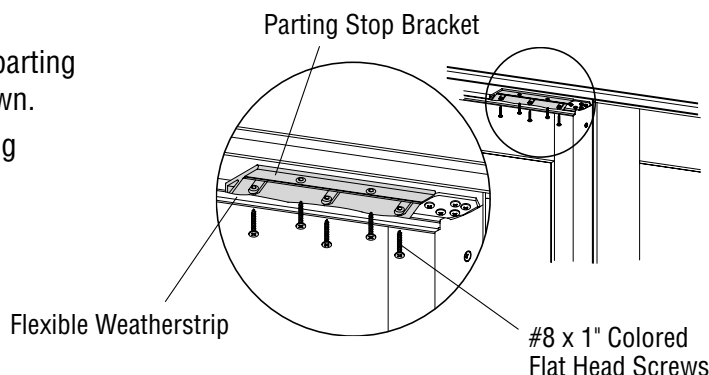
- Steel fasteners will corrode when used with ACQ Pressure Treated Lumber.
- Obtain and use the appropriate size stainless steel screws, as called out in this installation guide, to fasten unit to any rough opening made from ACQ Pressure Treated Lumber.
- Failure to use stainless steel fasteners may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

- Fill drilled holes in *Sill Bracket* and sill with silicone sealant and immediately fasten *Sill Bracket* and *Sill* to rough opening using *#10 x 2-1/2" Gray Pan Head Screws* (or masonry screws, not provided).
- Fasten *Stationary Panel Stiffener* using *#10 x 2" Color Matched Oval Head Screws* in remaining holes.



## 5. Attach Parting Stop Bracket

- Align *Parting Stop Bracket* behind head jamb parting stop and behind *Flexible Weatherstrip*, as shown.
- Fasten *Parting Stop Bracket* to head jamb using *#8 x 1" Colored Flat Head Screws*.



## 6. Prepare Operating Panel and Attach Interlock Weatherstrip

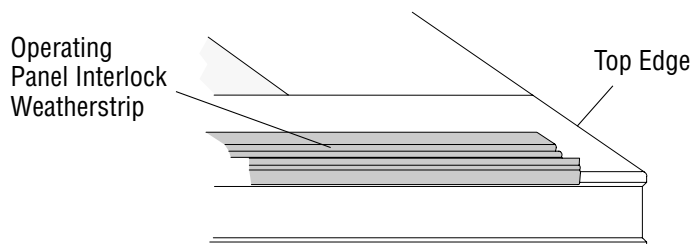
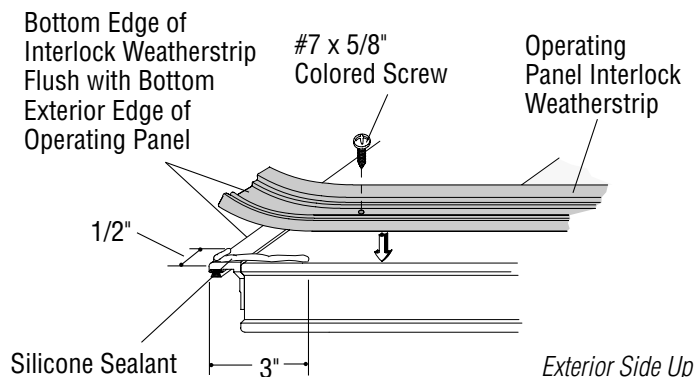
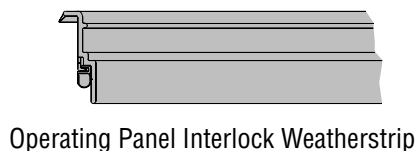
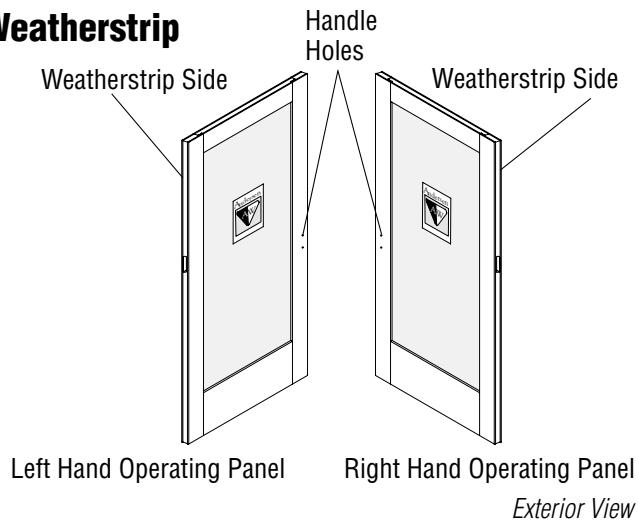
### CAUTION

Proper orientation of panels in relation to the side jamb is necessary to avoid installation damage.

### NOTICE

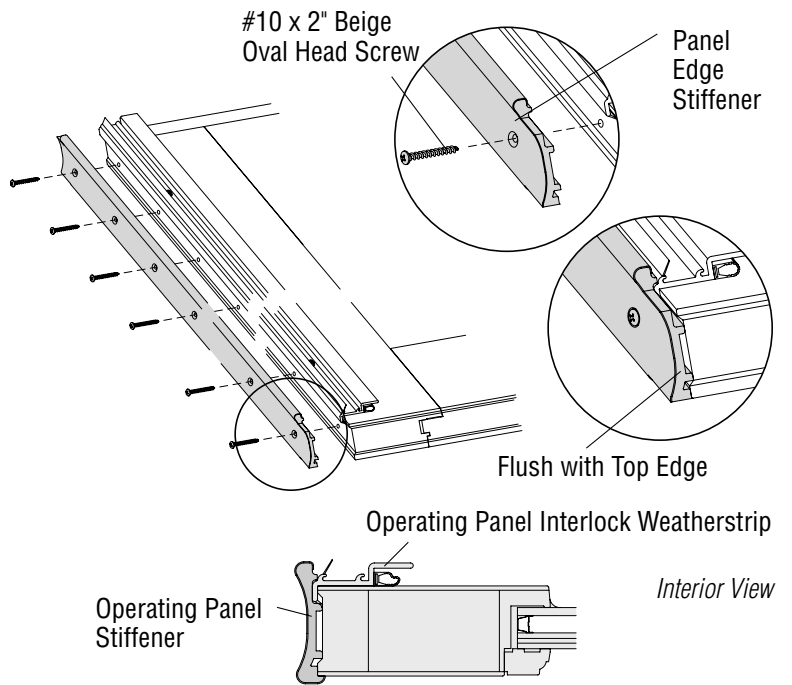
Frenchwood® Gliding Patio Door Operating Panels are universal and can be used in either a left or right hand frame.

- One side of *Operating Panel* will be the lock side, the other will be the weatherstrip side. Stand *Operating Panel* up in front of (not in) opening where it will be installed, exterior side out. Side of door which overlaps or meets side of *Stationary Panel*, already in place, is the weatherstrip side of the *Operating Panel*.
- Apply two *Handle Hole Plugs* to handle holes on weatherstrip side of *Operating Panel*.
- Place *Operating Panel* exterior side up on a clean, flat work surface.
- Apply a 1/8" bead of *Silicone Sealant* 3" up vertical edge of panel and 1/2" across bottom edge of panel, on the opposite side of handle holes as shown.
- Position *Operating Panel Interlock Weatherstrip* on the exterior edge of *Operating Panel*, opposite the side with handle holes and flush with bottom edge of door.
- Hold *Operating Panel Interlock Weatherstrip* firmly in place and drill 1/16" holes, 3/8" deep, through prepunched holes into *Operating Panel*.
- Fasten *Operating Panel Interlock Weatherstrip* using *#7 x 5/8" Colored Screws* provided.



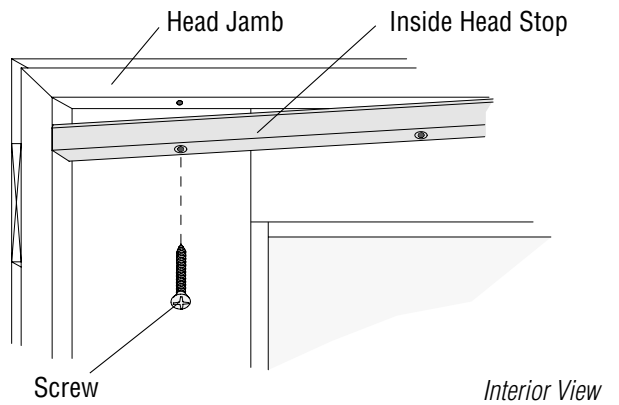
**7. Attach Operating Panel Edge Stiffener**

- Position veneered *Operating Panel Stiffener* tightly against *Operating Panel* edge, over *Operating Panel Interlock Weatherstrip*, and flush with top edge of door.
- Drill 1/8" hole, 2" deep, through the third hole from top of *Operating Panel Stiffener* and into panel edge.
- Fasten *Operating Panel Stiffener* using one #10 x 2" Beige Oval Head Screw.
- Drill 1/8" hole, 2" deep, through remaining holes in *Operating Panel Stiffener*.
- Secure *Operating Panel Stiffener* using appropriate number of remaining #10 x 2" Beige Oval Head Screws.



**8. Remove Inside Head Stop**

- Remove the two screws holding *Inside Head Stop* to *Head Jamb*. Retain screws.

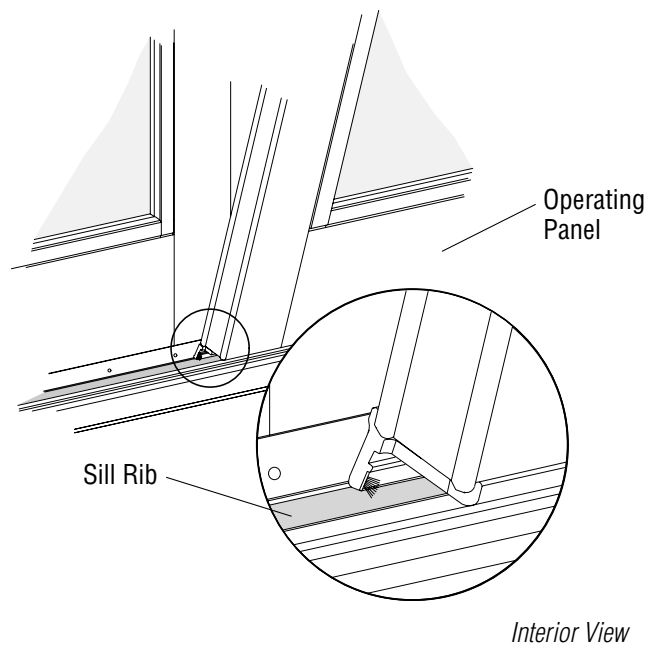


**9. Install Operating Panel**

**⚠ WARNING**  
 Weight of door panels will vary. Use a reasonable number of people with sufficient strength to lift, move and carry door panels. Always use appropriate lifting techniques.

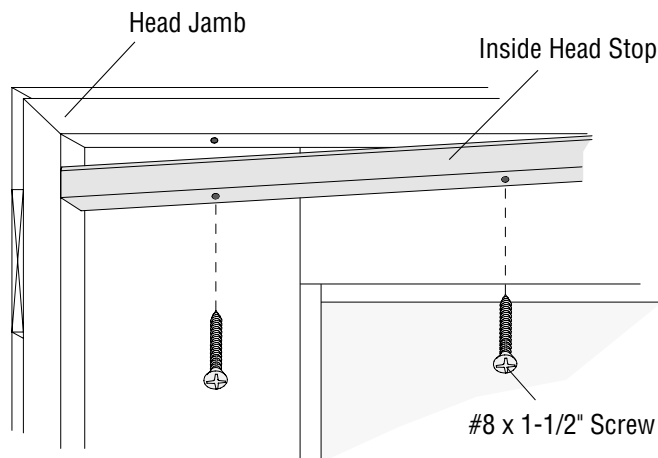
**⚠ WARNING**  
 Support Operating Panel in frame at all times until Head Stop is attached in **Step 8**. Failure to do so could result in the panel falling out causing personal injury, property damage and/or product damage.

- Lift *Operating Panel* into frame from the interior and position rollers on top of *Sill Rib*. Tip the top of *Operating Panel* in, slide panel closed, and hold in position until *Inside Head Stop* is reattached.



## 10. Reattach Inside Head Stop

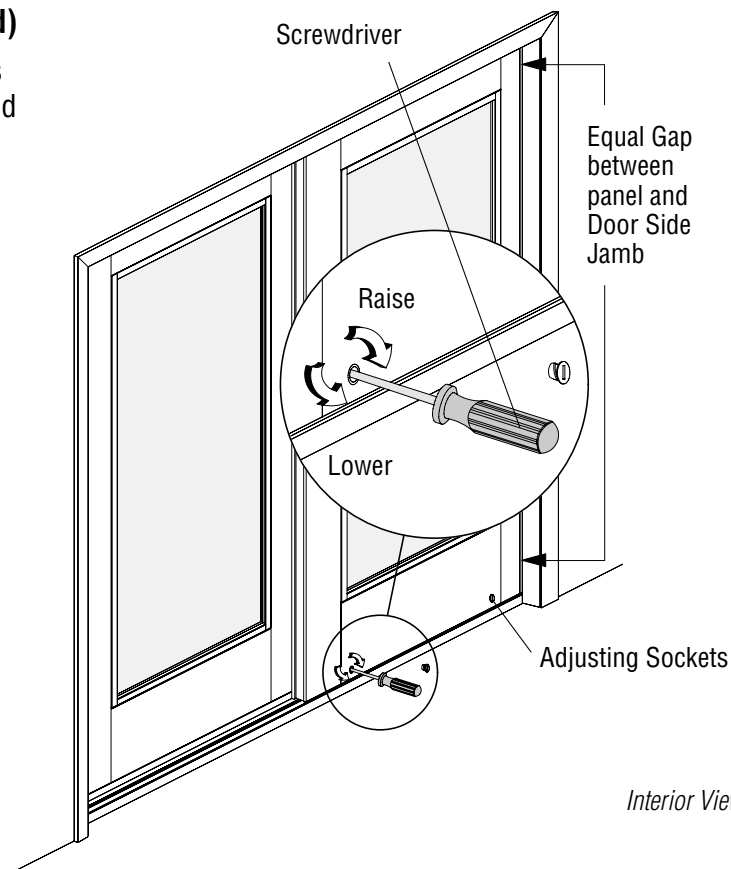
- Position *Inside Head Stop* to *Head Jamb*, making sure wood surface faces interior.
- Fasten *Inside Head Stop* with the (2) previously removed screws, returning them to the same holes they were removed from. **DO NOT** overtighten screws.
- Drill 1/16" holes through remaining hole locations and fasten using #8 x 1-1/2" Screws. **DO NOT** overtighten screws.



*Interior View*

## 11. Adjust Panel, Lock, and Latch (if required)

- Slide *Operating Panel* open until a narrow gap exists between *Operating Panel* and *Side Jamb*. Gap should be equal from top to bottom.
- If gap is not equal, remove two *Threaded Caps* located on *Bottom Rail* of *Operating Panel* using a large flat head screwdriver.
- Adjust rollers by inserting a screwdriver into *Adjusting Sockets*. Turn **clockwise to raise** panel or **counterclockwise to lower** panel until gap is equal full length.
- Replace caps when adjustment is complete.



*Interior View*



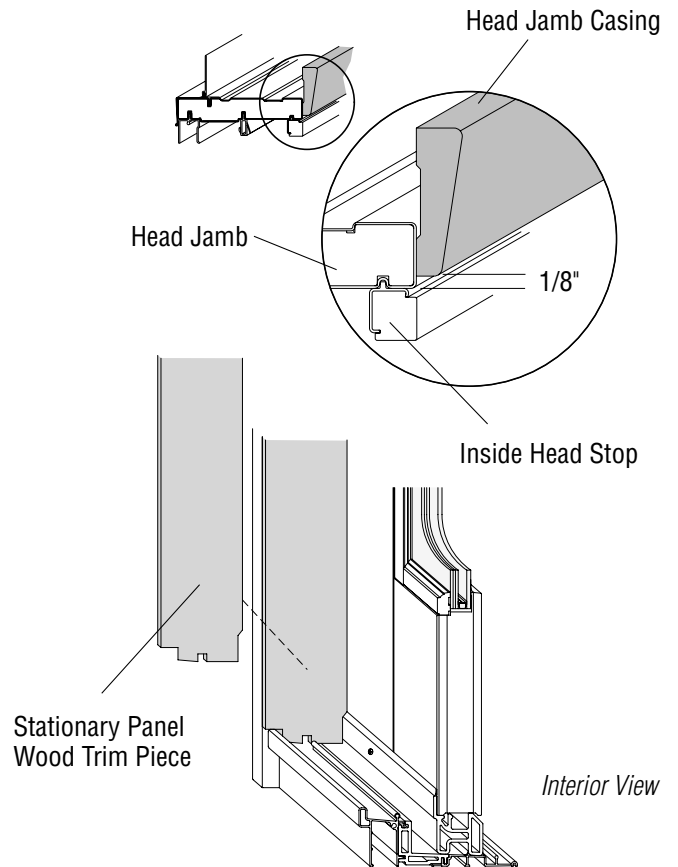
## 12. Apply Wood Trim Piece

### NOTICE

- Steps below **must** be completed before interior casing is applied.
- Install Head Jamb Casing no lower than 1/8" below head jamb to assure future panel removal is possible.
- Follow instruction on Head Jamb Label when applying interior trim. Do not apply trim lower than 1/8" below Head Jamb edge. Remove this label after installation.

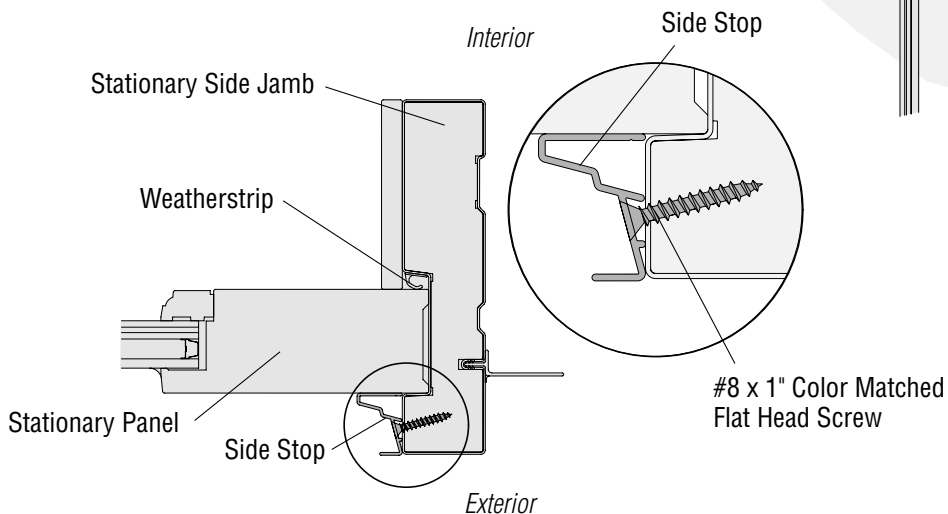
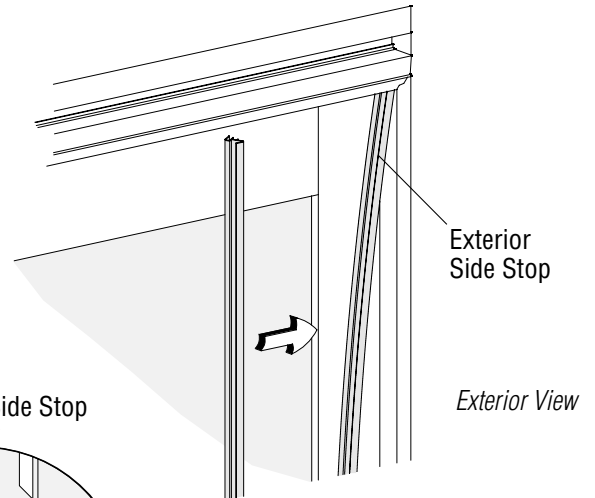


- Position *Stationary Panel Side Jamb Wood Trim Piece* to stationary side jamb, bottom of wood trim is notched to match sill.
- Fasten using 4d 1-1/2" finish nails. Predrilling is recommended.



## 13. Apply Exterior Side Stop

- Position *Exterior Side Stop* on exterior nose of *Stationary Side Jamb* keeping flush with exterior, as shown.
- Drill 1/16" holes into frame through predrilled holes in *Side Stops*.
- Fasten using #8 x 1" *Color Matched Flat Head Screws*.



## 14. Apply Flashing Tape

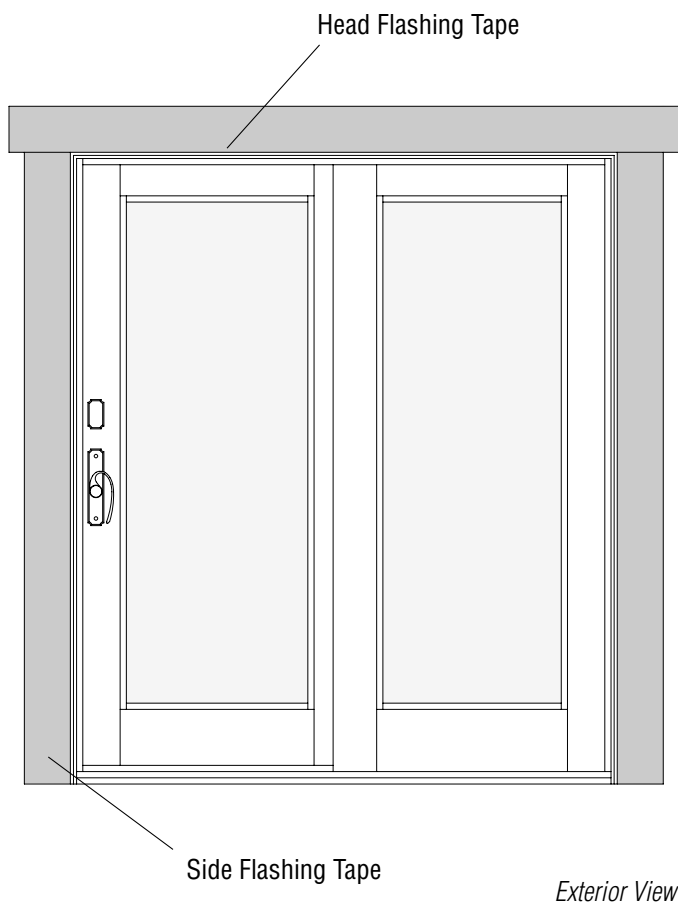
### ⚠ CAUTION

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 sides.
- Apply flashing tape over *Installation Flange* at head, overlapping flashing tape at sides.



## 15. Insulate and Seal Unit

### ⚠ CAUTION

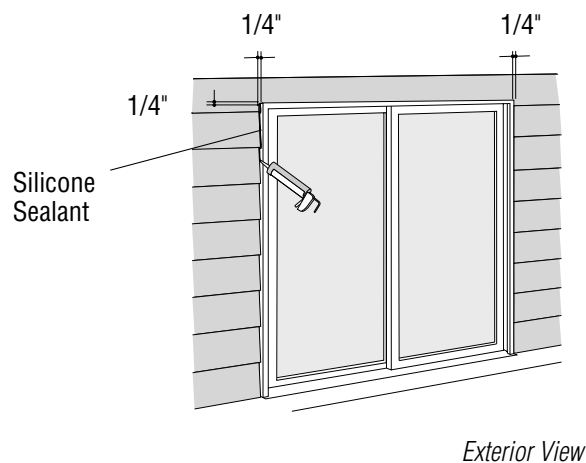
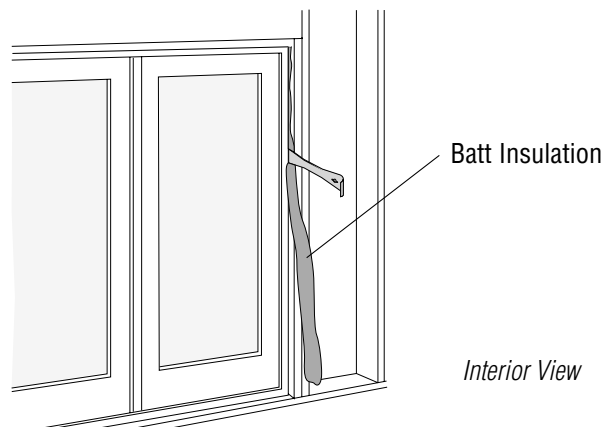
- When insulating between the unit's frame and rough opening, or between units when joining, **DO NOT** overpack batt insulation or overfill with foam. Bowed jambs will result, affecting product performance and/or proper unit operation.
- Andersen® Head Flashing and Installation Flanges **DO NOT** take the place of standard window and door flashing. Unit must be properly flashed for protection against water and air infiltration.

- Insert insulation, from the interior, between unit and rough opening on all sides. **DO NOT** overpack batt insulation or overfill with foam.

### ⚠ 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. Vinyl deformation and/or damage caused by reflective flashing tapes is not the responsibility of Andersen Corporation.

- Apply exterior finish over *Installation Flanges* leaving 1/4" space around perimeter of unit.
- Apply backer rod and a continuous bead of *Silicone Sealant* around exterior perimeter between unit and exterior finish.



## 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.

# Stationary Sidelight Installation

## 1. Install Stationary Sidelight Panel

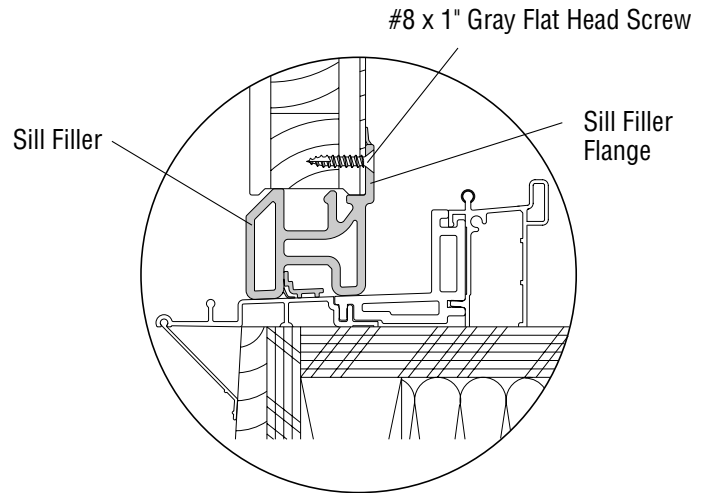
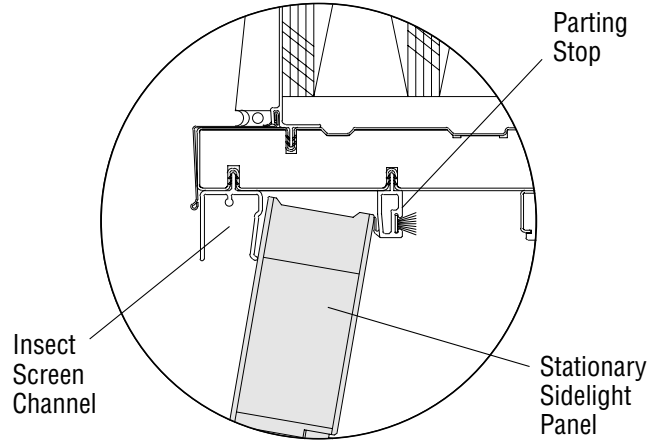
### ⚠ WARNING

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.

### ⚠ WARNING

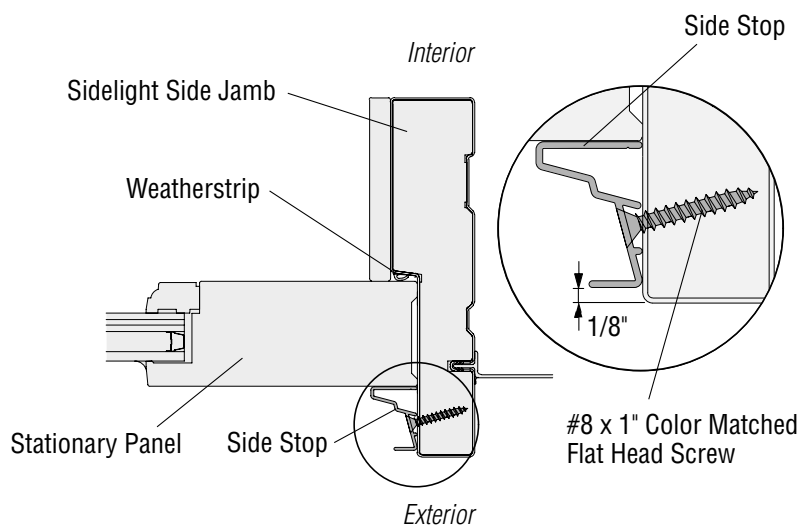
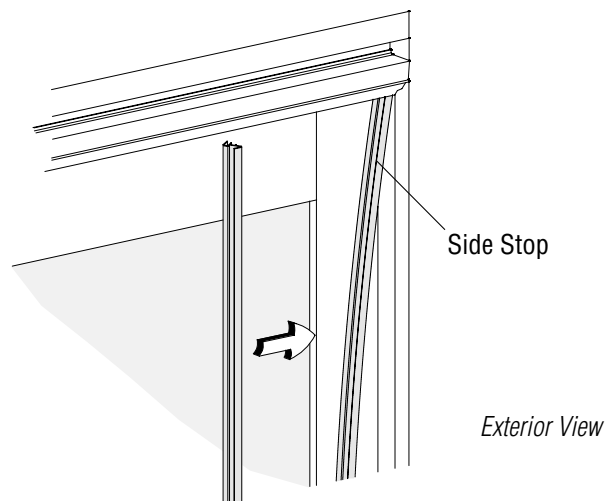
Support panel in frame at all times until secured. Failure to support panel could result in panel falling out causing product damage and/or personal injury.

- Lift *Stationary Sidelight Panel*, from the exterior, and insert top of panel between *Insect Screen Channel* and *Parting Stop*.
- Push bottom of panel onto *Sill Filler* until it rests tightly against flexible lip.
- Fasten *Stationary Sidelight Panel* to interior *Sill Filler Flange* using four #8 x 1" Gray Flat Head Screws.
- Remove label from *Sill Filler Flange*.



## 2. Apply Side Stops

- Push panel to compress weatherstrip. Position *Side Stops* to exterior with edge of *Side Stops* 1/8" from surface of side jamb. Note position in detail.
- Drill 1/16" holes into frame through predrilled holes in *Side Stops*.
- Fasten *Side Stops* using #8 x 1" *Color Matched Flat Head Screws*.



## 3. Apply Wood Trim Pieces

- Position *Wood Trim Pieces*, flat side visible, to side jambs. Bottom of *Wood Trim Pieces* are notched to match sill. (One wood trim piece is included with the Stationary Sidelight Frame package, the other is included with the Stationary Panel package.)
- Fasten *Side Jamb Wood Trim Pieces* using 4d 1-1/2" finish nails. Predrilling is recommended.
- For flashing, insulating, and sealing instructions, see **pages 10 and 11**.
- For finishing, cleaning, and maintenance instructions, see **page 12**.

