

# Installation Guide

for Andersen® 200 Series Tilt-Wash Picture, Transom and Circle Top™ 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

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.

## Tools & Supplies

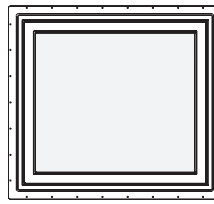
- Safety Glasses
- Tape Measure
- Hammer
- Level
- Carpenter's Square
- Wood Shims
- Utility Knife
- Caulk Gun
- Drill
- 5/32" Drill Bit
- Power Nail Gun
- Corrugated Nail Gun
- Quality Silicone Sealant
- 1-3/4" Roofing Nails
- 1-1/2" (4d) Finish Nails or Screws or Corrugated Fasteners

## Options and Accessories

- Extension Jamb
- Joining Kits
- Jamb Clips

## CAUTION

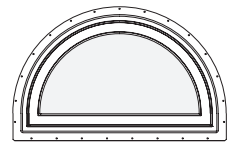
- Steel fasteners will corrode when used with ACQ Pressure Treated Lumber.
- Obtain and use the appropriate size stainless steel screws, as called out in this installation guide, to fasten unit to any rough opening made from ACQ Pressure Treated Lumber.
- Failure to use stainless steel fasteners may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



Picture Window



Transom



Circle Top™

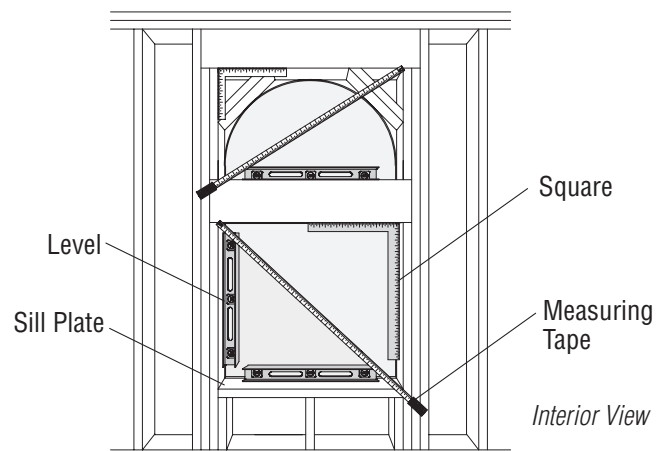
Exterior Views

## 1. Prepare Rough Opening

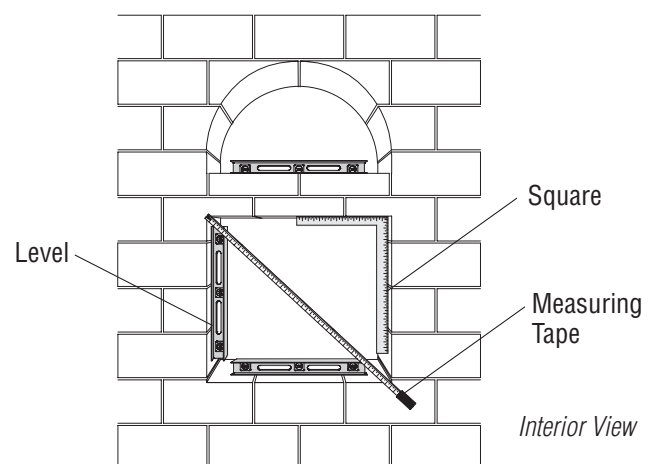
- Prepare a rough opening for unit according to dimensions found in the *Andersen® Product Guide for Professionals*.
- Check rough opening and dimension for square by measuring diagonally across, upper left to lower right and upper right to lower left corner. Measurements must be within 1/8". Adjust if needed.
- Check plumb and level using a carpenter's square and level. Sill plate should be level. Adjust if needed.

## NOTICE

For masonry installations using wood bucks, follow procedure for wood frame construction.



Wood Frame/Buck Construction



Masonry Construction

## 2. Prepare Unit for Installation

### Wood Frame/Buck Construction where removal of Installation Flange is not required

- Carefully remove unit from carton. Place unit exterior side up on a clean, flat work surface.
- Proceed to **Step 3**.

### Wood Frame/Buck Construction where removal of Installation Flange may be required

#### NOTICE

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

- Carefully remove unit from carton. Place unit exterior side up on a clean, flat work surface.

#### CAUTION

Use caution when using utility knife. Failure to do so may result in personal injury, product, and/or property damage.

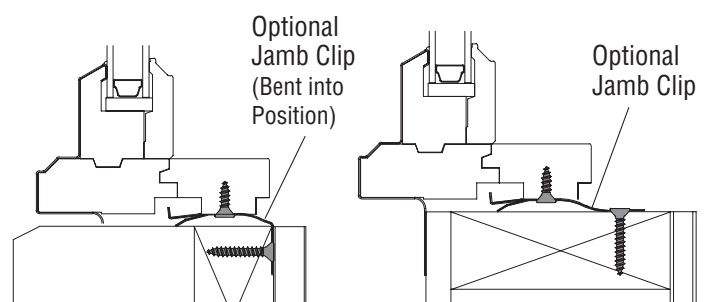
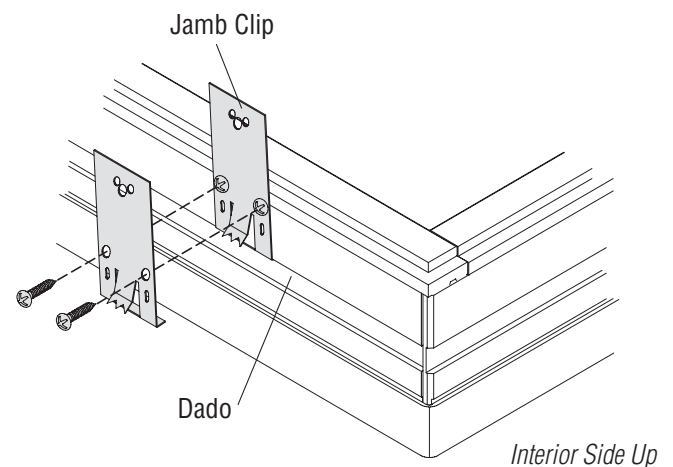
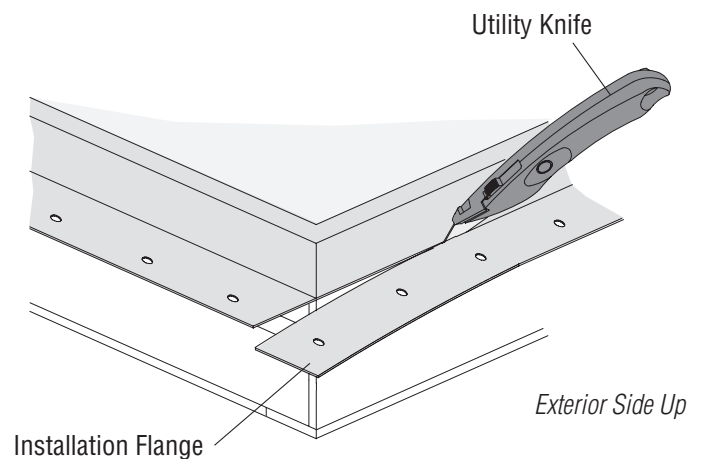
- Cut and remove *Installation Flange* from perimeter of window unit using a sharp utility knife if required.

#### 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.

### Optional Jamb Clips by Andersen

- Attach *Jamb Clip* in dado on back of side jamb, spaced 12" on center, starting 6" from corners, using two 5/8" screws. *Jamb Clips* can be bent into position if required. Use number of *Jamb Clips* as recommended by architect or structural engineer. Maximum Design Load is 200 pounds per *Jamb Clip*.

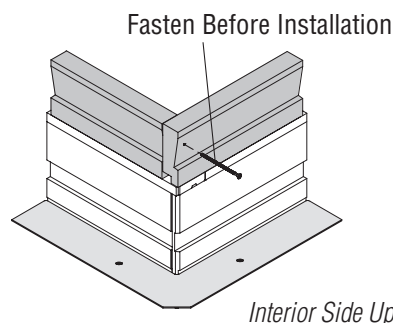
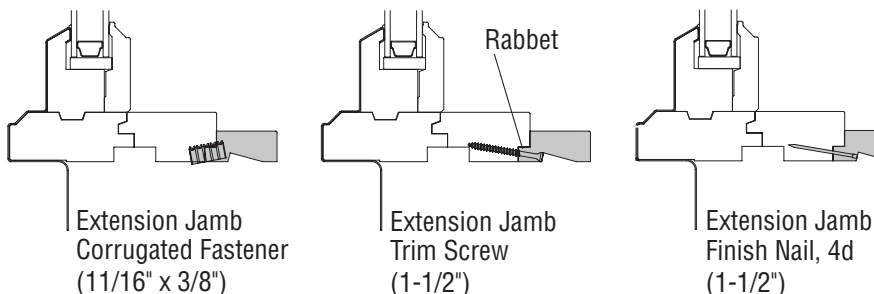


### 3. Apply Extension Jambs or Drywall Return

#### Extension Jamb Application Before Unit Installation (All Extension Jamb Sizes)

#### NOTICE

- **DO NOT** apply Extension Jambs prior to unit installation if Jamb Clips are used.
- Ripping of Extension Jambs may be required to fit nonstandard wall depths.



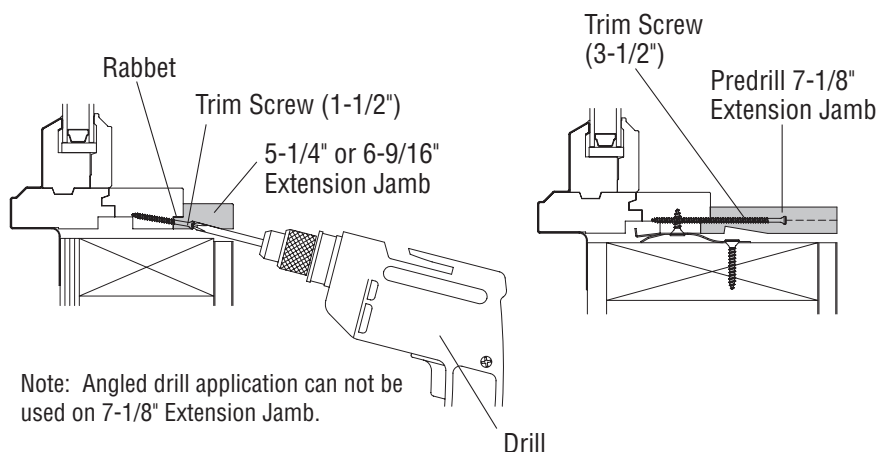
Extension Jamb Application Before Unit Installation

- Turn units over interior side up.
- Position *Extension Jamb* into *Extension Jamb Rabbet* on frame. Hold *Extension Jamb* firmly to avoid tipping and fasten using one of the methods illustrated.
- Space fasteners evenly 12" to 16" apart.
- Fasten *Extension Jamb* ends together as shown.

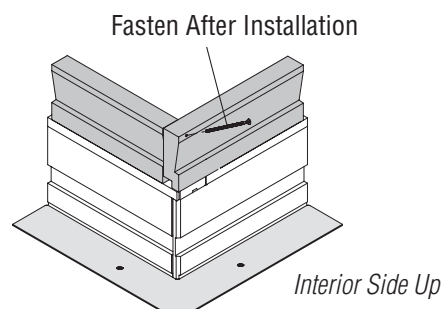
#### Extension Jamb Application After Unit Installation

#### NOTICE

Ripping of Extension Jambs may be required to fit nonstandard wall depths.



Note: Angled drill application can not be used on 7-1/8" Extension Jamb.



Extension Jamb Application After Unit Installation

- Position *Extension Jamb* into *Extension Jamb Rabbet* on frame.
- For 7-1/8" *Extension Jambs* predrill a 5/32" hole and fasten using method illustrated. For 5-1/4" and 6-9/16" *Extension Jamb* hold firmly to avoid tipping and fasten using one of the methods illustrated.
- Space fasteners evenly 12" to 16" apart.
- Fasten *Extension Jamb* ends together as shown.

Unit shown uninstalled for clarity.

## 4. Install Window Unit

### Wood Frame/Buck Construction

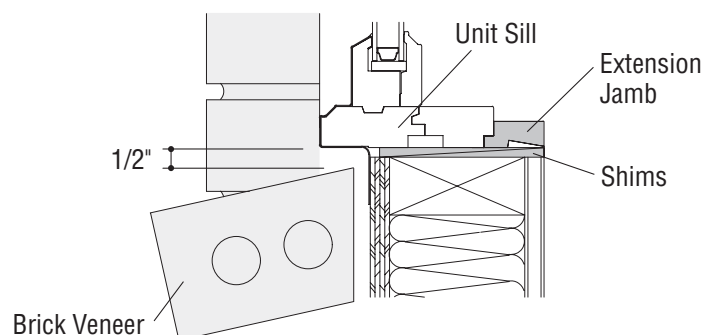
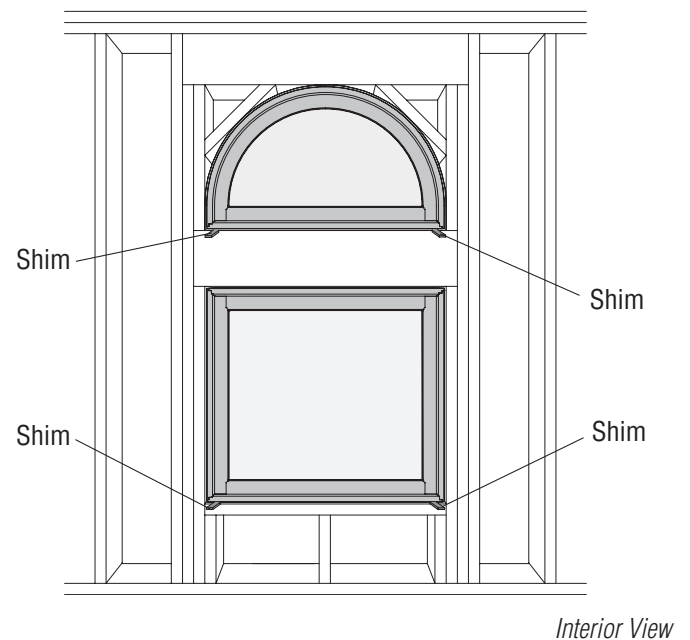
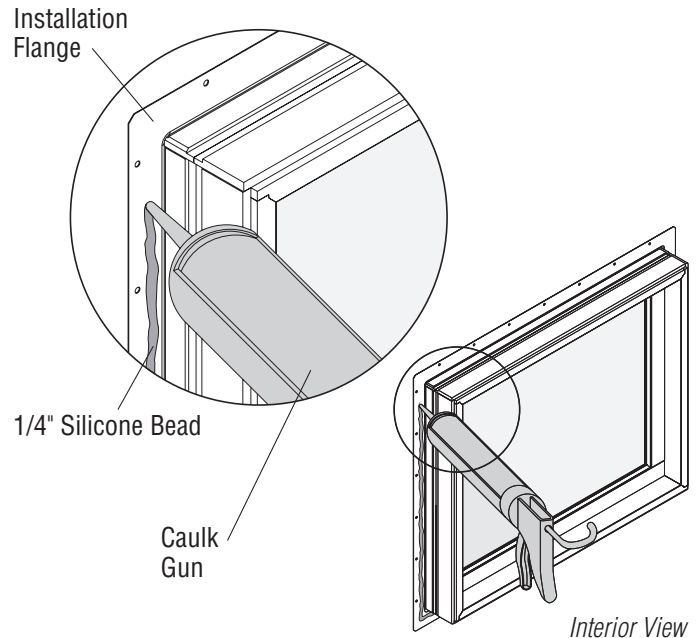
#### ⚠ WARNING

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

- **DO NOT** set window unit directly on sill plate. Elevate unit on shims. Sill plate may bow and interfere with window operation.
- To help prevent bending and cracking of Installation Flanges, **DO NOT** set nails when using low density insulating sheathing.
- 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 product damage.

- Apply 1/4" silicone bead, full perimeter, to back side of *Installation Flange* or around rough opening 1/2" from edge.
- Lift unit into rough opening. From the interior, shim only at corners of sill under *Side Jamb*s to level and center unit. (For Double and Triple Units, a shim must be placed under mullion post(s) at sill.)
- From the exterior, nail upper corner of *Installation Flange* using 1-3/4" roofing nails. Recheck level.
- Shim to straighten *Side Jamb* if necessary. Insert shims at midpoint behind *Side Jamb* between unit frame and rough opening.
- Secure unit to wood frame rough opening using 1-3/4" roofing nails through *Installation Flange*. Space nails every other hole.



### Masonry/Brick Veneer

## 4. Install Window Unit (Continued)

### Masonry Construction

### ⚠ 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.

### NOTICE

If using optional Jamb Clips by Andersen, they must be installed before placing unit into rough opening, spaced 12" apart on center, starting 6" from corners.

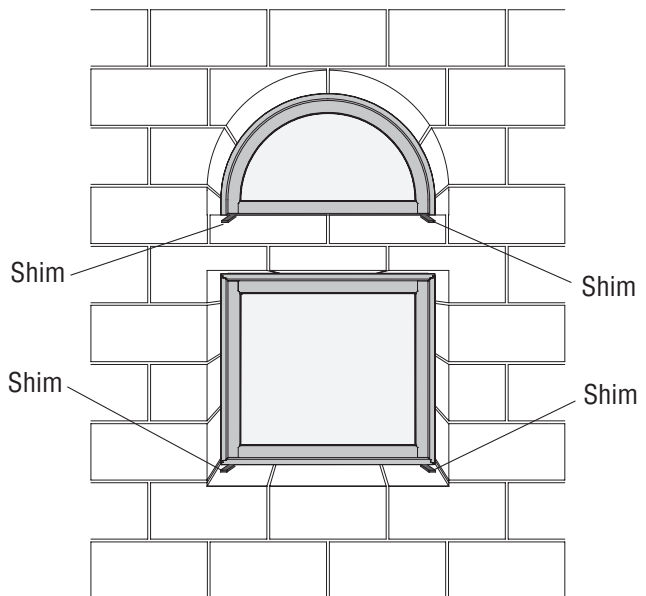
- Apply 1/4" silicone bead, full perimeter, to back side of *Installation Flange* or around rough opening 1/2" from edge.
- Lift unit into rough opening. From interior, shim at corners of sill under *Side Jambs* to level and center unit. (For Joined Units, a shim must be placed under mullion post(s) at sill).
- Shim to straighten *Side Jamb* if necessary. Insert shims at midpoint behind *Side Jamb* between unit frame and rough opening.
- Secure unit to masonry rough opening using masonry screws through *Jamb Clips*, spaced 12" apart on center, starting 6" from corners.

Installation Flange

1/4" Silicone Bead

Caulk Gun

Interior View



Interior View

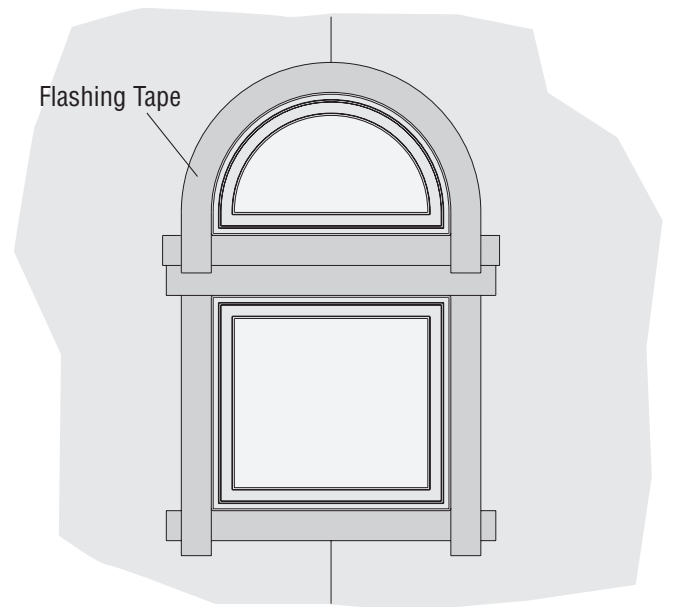
## 5. Apply Flashing Tape

### 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.



Exterior View

- 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

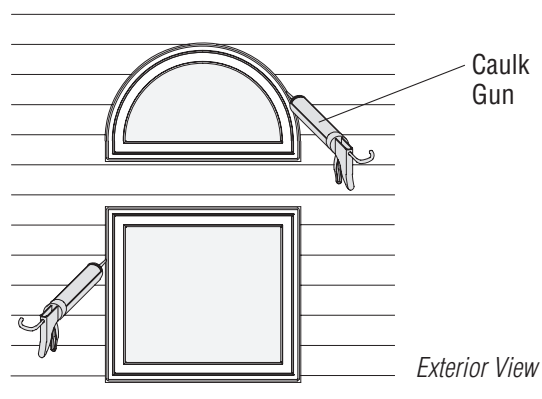
### ⚠ CAUTION

When insulating between 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 operation of unit.

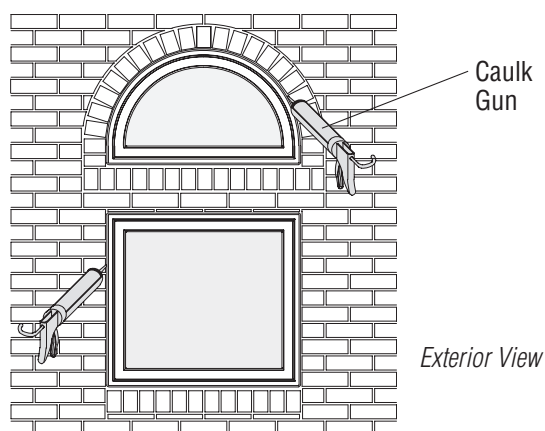
### NOTICE

A minimum space of 1/4" is required around exterior perimeter of unit between the frame and siding. Masonry/Brick Veneer installations require a minimum 1/2" space along the sill and 1/4" space around 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 a quality silicone sealant around exterior perimeter of window after siding, or other finish, is applied.



Wood Frame/Buck Construction



Masonry/Brick Veneer Construction

## 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. Damage to product may occur and unit operation may be impaired.
- Acid solutions used to wash masonry/concrete will damage glass, fasteners, hardware, and metal flashing. If these solutions are used, 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.