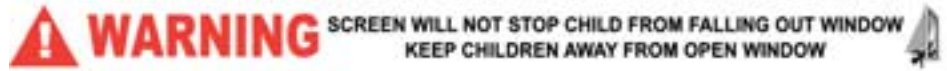


# Atrium Windows And Doors



## Bow, Bay and Garden Window Installation Instructions

### **STEP 1**

Measure opening and compare with measure sheet for proper size.

### **STEP 2**

Remove old window. Remove wood stool or marble sill. Fill all voids with insulation. Level opening sill with appropriate lumber and/or shims. Be careful not to reduce the opening size smaller than the unit. Aluminum trim coil (capping) may be required to cover the sill. It is advisable to caulk the aluminum trim first, before installing the window.

### **STEP 3**

Pre-drill screw holes before setting the unit in the opening. Use 1/8" drill bit, countersink bit (for the screw heads) and 3" screws. Pre-drill at least 3 holes in each side and header.

Do not drill holes or screw through the seat board. To eliminate screw holes on the face of the sill veneer, screw holes can be drilled (on an angle) through the edges of the unit. Start the screw holes approx. 1/4" in from the veneer. The wood casing will cover these holes. Larger units may require supplementary screws through the veneer of the sides and header.

NOTE: Do not use angled screws in the header of the garden windows, drill through the veneer.

### **STEP 4**

Install side expanders (optional, and available at local branch) for the sides of the window if needed. (See side expander drawing.) Not applicable for garden windows

For garden windows, the void on the sides between the window and the exterior can be capped with aluminum trim coil. Cover sides before installing garden window. Allow 1/2" under the width of the window (1/4" on each side, which can be caulked after the window is installed). Before installing the trim coil, measure the depth of the garden window, to insure that the casement hinges will not interfere with the aluminum trim coil.

### **STEP 5**

Set the unit in the opening, flush with the inside wall. Place shims between the unit, side jams and headers. Shims should be placed where the installation screw holes were pre-drilled. Check sides, sill and header with level (adjust shims as necessary). Install a 3" screw in each pre-drilled hole. Be careful not to over/under shim, causing wood frame to bow.

### **STEP 6**

Insulate the inside void between the unit and the existing wall. Install the wood casing. Note the casing is not cut to fit flush with the unit edge; there will be a 1/8" to 3/16" reveal on the unit. Countersink the nails and use wood putty. Where screws were used in the veneer, use wood putty or wood plugs to fill in these holes.

### **STEP 7**

Outside: Insulate the void between the expander and the brick. If in a brick opening, expand the expander towards the brick. After completing roof or header trim, clean expander and caulk to brick.

### **STEP 8**

Determine what will be needed to complete the top of the unit. Vinyl trim to overhang if void is 3" or under; soffit system to overhang if void is over 3". For shed or hip roof, see appropriate instruction sheet.

## **Garden Window Flashing**

### **STEP 1**

The top of all Garden Windows must be fully flashed into the wall. The flashing should extend up to, but not beyond the glass area of the top of the unit.

### **STEP 2**

The garden Window should be flashed to the house in such a manner as not to allow water leakage.

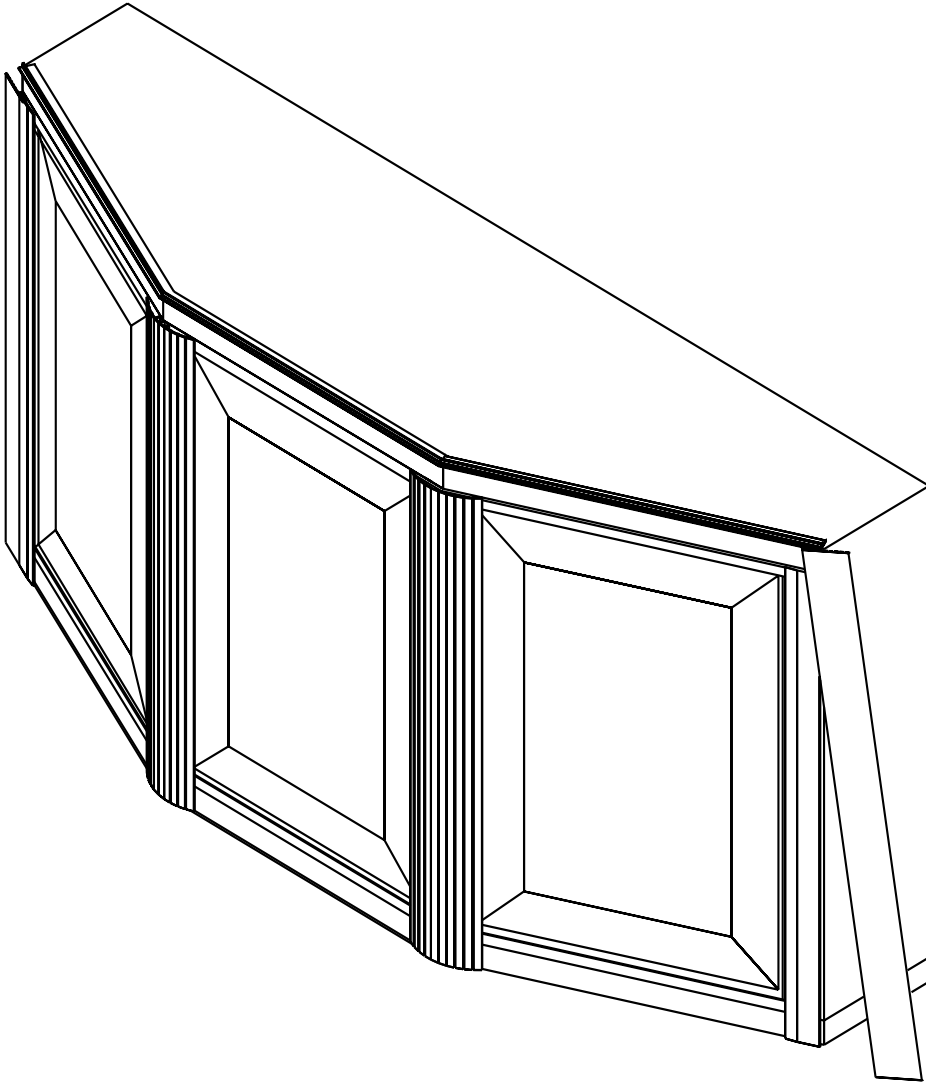
### **BRICK OPENING**

The flashing should extend from the edge of the steel lentiil onto the top of the garden window, but not to extend over the glass unit. The flashing should be recessed back from the face of the brick enough to caulk to prevent water Leakage.

### **SIDING**

The flashing should extend from under the closest siding step to the top of the garden window and should not extend over the glass on the unit. (See Garden Window flashing illustration)

**NOTE: ALL GARDEN WINDOW UNITS  
MUST BE BRACED!**

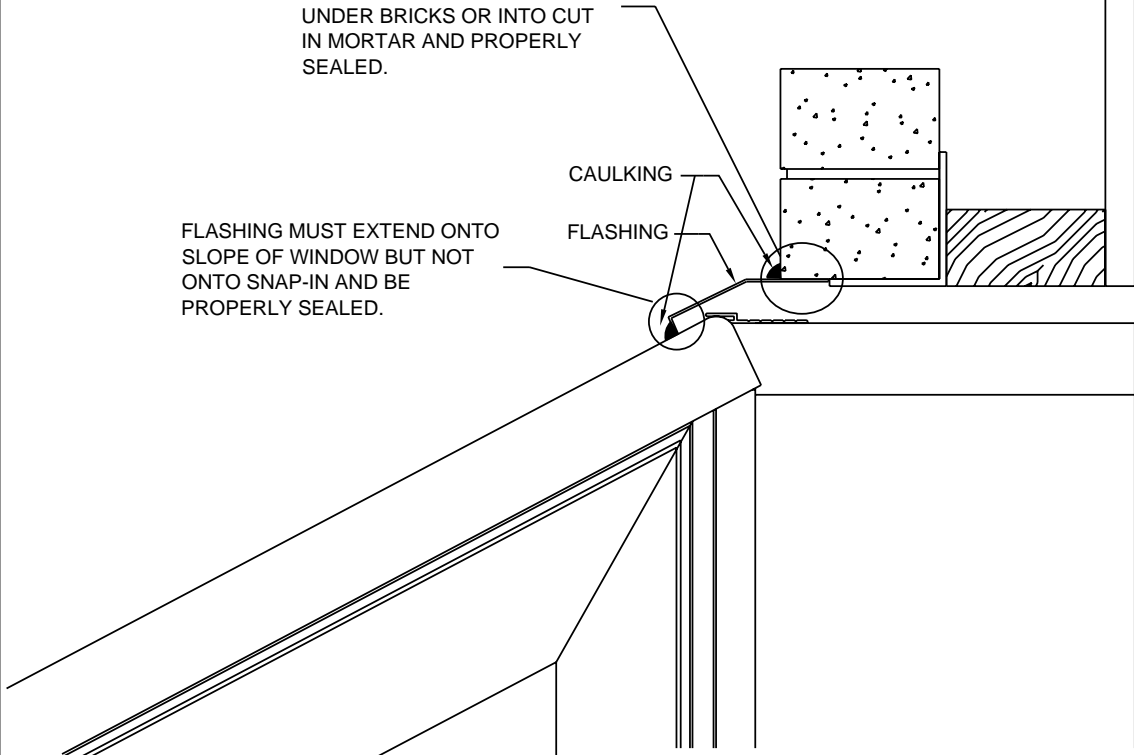


1. Fabricate top & bottom of Side Expander before window is installed.
2. Place Side Expander on Bay or Bow window.
3. Install window.
4. Push side expander tight against siding or brick.
5. Caulk properly.

**GARDEN WINDOW INSTALLATION  
MASONRY OPENING**

FLASHING TO BE TUCKED UNDER BRICKS OR INTO CUT IN MORTAR AND PROPERLY SEALED.

FLASHING MUST EXTEND ONTO SLOPE OF WINDOW BUT NOT ONTO SNAP-IN AND BE PROPERLY SEALED.



**GARDEN WINDOW INSTALLATION  
SIDING OPENING**

FLASHING TO BE TUCKED UNDER "J" CHANNEL AND BE PROPERLY SEALED.

FLASHING MUST EXTEND ONTO SLOPE OF WINDOW BUT NOT ONTO SNAP-IN AND BE PROPERLY SEALED.

