

Clad Bay and Bow Window Installation Instructions

Please read installation instructions carefully before starting.

Preparation for Installation:



Caution: Bay and bow windows are extremely heavy composites. Use a sufficient number of people to pick up and set the composite within the opening.

1. Check rough opening to insure that opening is level, plumb and square. Verify that width and height dimensions are correct. Rough opening should be 3/4" wider than overall frame width and 3/4" greater than overall frame height. Sill plate should be flat and level. Make sure opening is dry, clean and free of dirt and debris.

✓ **Note:** Flashing and/or an appropriate method of sealing shall be designed as a part of an overall weather resistive barrier system. It is not the responsibility of the window manufacturer to design or recommend a flashing system appropriate for each job condition.

✓ **Note:** Self-adhered flashing material is recommended to be at least 9" wide.



Caution: Any variance from this installation procedure signifies that proper waterproofing becomes the responsibility of the design professional and/or the installer.

2. An overview of the proper flashing is shown in Figure 1. Application is in weatherboard fashion.

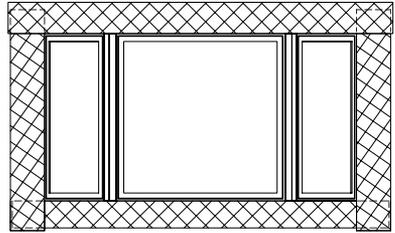


Figure 1

3. Begin flashing of the rough opening by applying flashing material along the exterior edge of the sill plate. Make sure that the flashing extends 8-1/2" beyond both sides of the rough opening.

4. Apply a 1/4" bead of polyurethane to the side framing where the side jamb nailing flange will attach.

Installing the Bay or Bow Window Unit:

1. Carefully center the unit within the rough opening. Use a sufficient number of people to lift the unit. Use proper lifting techniques.

2. Place adequate temporary support (e.g. a sawhorse, 2x4s and/or jack) to hold the unit in place while securing (see figure 2). Position the support under the outer edge of the unit to ensure stability.

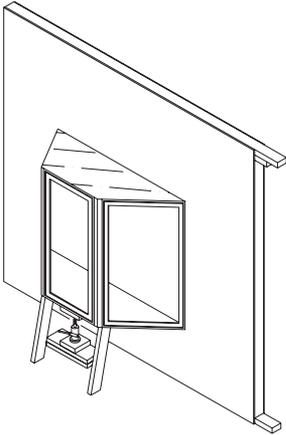


Figure 2

3. Temporarily anchor the window unit to opening. If window unit has a head-board and seat board, use #8x2" stainless steel screws to attach. Use three or four evenly spaced screws to temporarily secure the seat board.

4. Align the unit within the rough opening. Once plumb, temporarily secure the head board to the header.

5. If there is no head or seat board on the unit, use #8x2" stainless steel screws to temporarily attach the nailing flange to rough framing.

6. Verify that the bay or bow unit is plumb, level and square. Check that the sill is level. Use a square to check the corners. Then, check the diagonal

measures of the unit to ensure that it is square and not racked out of position. Verify that operating windows open and close properly. Adjust as needed and refasten screws.

7. Install shims on all four sides of the window unit. Place shims at all anchor points.

8. Complete the anchoring of the unit. Screws should start no more than 6" from end of head or seat board and then 12" on center thereafter. Also, attach side jamb nailing flange to framing using #8x2" stainless steel screws. Start 3" - 4" from end, then 12" on center thereafter.

9. Support options:

There are several different methods for providing support for bay and bow windows. The methods listed here are some of the more common:

a. Knee brace - supports are required when the wall does not project directly below the window unit (see figure 3).

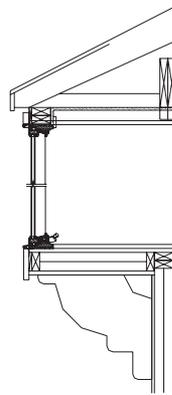


Figure 3

b. Frame brace - similar to knee brace, but walled/sided in to create area for under bow/bay storage (see figure 4). Knee braces should be attached at window mull joints.

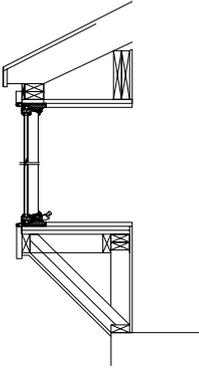


Figure 4

c. Stem wall/slab support - the wall framing projects directly below the window onto a stem wall or concrete slab (see figure 5).

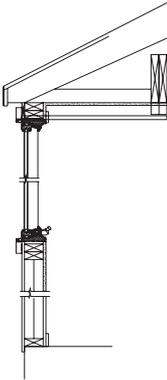


Figure 5

10. Sealing and flashing exterior of bow or bay unit.

Complete flashing of the unit. In weatherboard fashion, attach the side flashing (see figure 6). Make sure it completely overlaps the ends of the sill flashing. Then, as applicable, apply the head flashing. Make sure to completely cover the top ends of the side flashing.

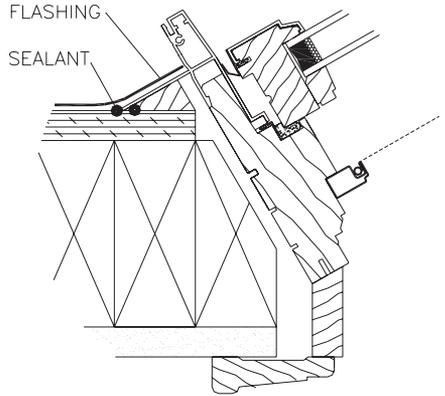


Figure 6

11. Top cover (roof) options: Roofing options over bay or bow windows are varied. Whether using the existing roof or installing an independent roof structure, please follow standard roofing installation practices.

12. Once the roof and siding are installed and complete, apply a bead of sealant (a high quality polyurethane or silicone) between the siding and the window.