

# Bay and Bow Installation Instructions



## Tools: (Not Provided by Manufacturer)

Tape Measure	Utility Knife
Drill	Caulk Gun
Level	3/8" Forstner bit
Putty Knife	Safety Glasses
Pry bar	Small/Large Flat head screw driver
Square	Foam Gun (Optional)

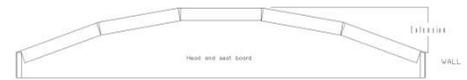
**Fig.0-1**



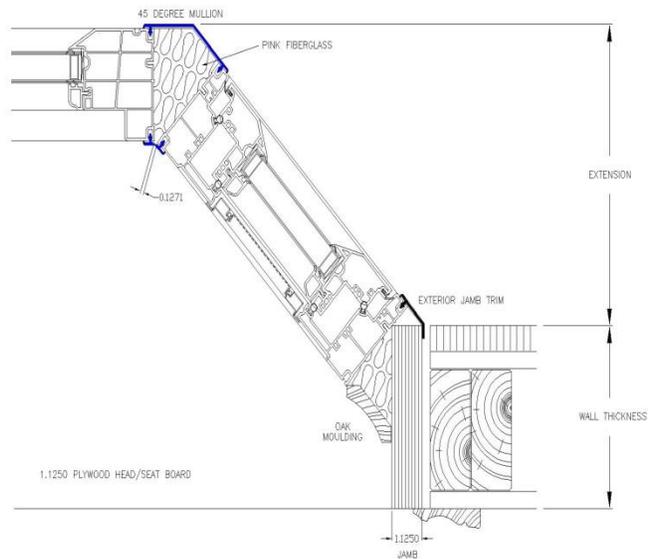
## Supplies: (Not Provided by Manufacturer)

Sealant	Low expanding foam/Loose insulation
Drop Cloth	Non bio degradable shims
Backer Rod	Fasteners

**Fig.0-2**



**Fig.0-3**



**! WARNING**

Installer is responsible for following any local/Federal laws pertaining to the disturbance or removal of lead based paint or varnish. For general guidelines pertaining to lead removal go to [www.epa.gov/lead](http://www.epa.gov/lead)

**! WARNING**

Windows should never be stored in direct sunlight when still in packaging. Be sure to store windows in a dry shaded area prior to installation.

**! WARNING**

Installer is responsible for proper disposal or recycling of all job site materials. Check your state and local laws for proper procedures for disposal and recycling of site waste.

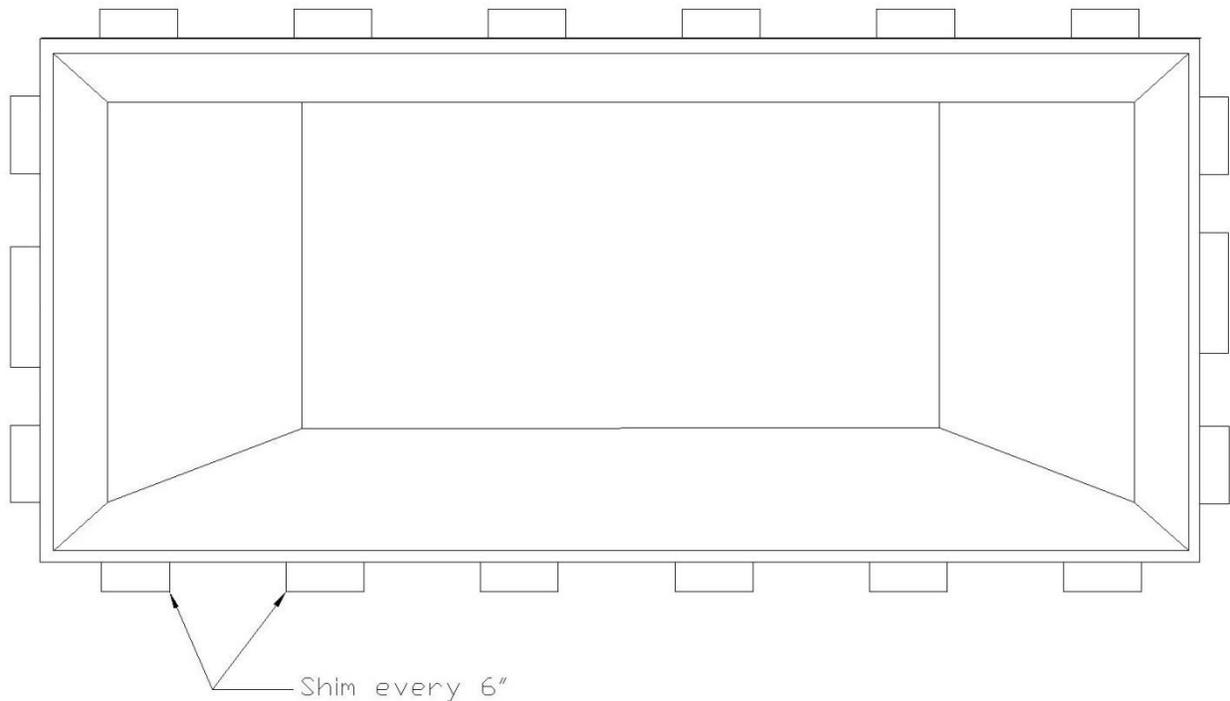
## Step One: *Prepping the work area*

- Before beginning the installation, check the measurements of both the bay/bow opening and the new replacement bay/bow to make sure that the proper size was ordered and manufactured for that opening.
- Make note of any surfaces that may need to be repaired prior to the installation of the replacement window.
- Remove any house hold items that are blocking the window or hanging from the wall that could potentially become damaged during removal of the old window.
- Lay down a protective covering such as a drop cloth or plastic.
- Remove the shipping braces from the unit. (set aside for using during staining)

## Step Two: *Installation*

- Remove old unit and check opening for level, plumb and square.
- Place unit into opening. (you should have one person every three feet of width)
- Use temporary braces on the outer edge of the unit to stabilize the unit while adjustments are being made.
- Shim the unit every 6" around the interior of the unit, and adjust shims to make the seat and head level.

Fig. 2-1



- Check level, plumb and square making adjustments as needed.
- Insulate between the unit and the rough opening using low expansion foam or loose fiberglass insulation.

- Using a 3/8" Forstner bit, drill 45 degree hole 1/4" deep 4" from each corner on the interior face for wood buck. Add additional holes every 12- 16" around the entire unit.

Fig. 2-2

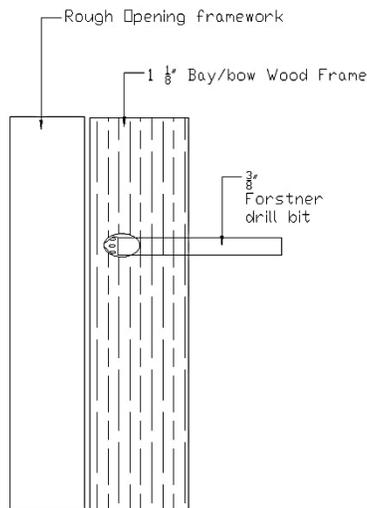
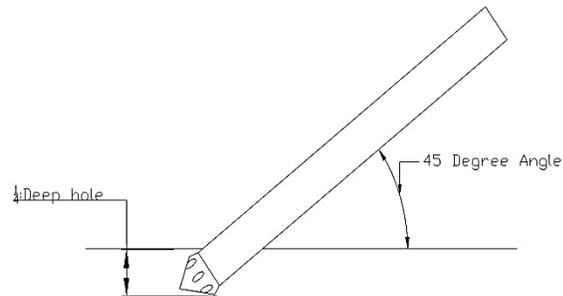


Fig. 2-3



- Attach unit with fasteners at the previously drilled holes making sure to use a fastener long enough to allow for at least 1" of penetration into the rough framing.
- Leave the screws loose to allow for adjustment.
- Check level, plumb and square.
- Supports are needed for any unit with a projection larger than 12".
- If using the Sunrise cable support systems, make sure to follow the included instruction when attaching and adjusting the system.
- If a bottom support system is being used, braces should be made of a treated lumber or metal.
- It is the responsibility of the installer to finish the bottom braces in the manor they so choose.
- Gaps 3/8" or larger around the perimeter of the unit on both the interior and exterior need to be filled with backer rod before sealant is placed around the unit.
- Seal the perimeter of the unit.

### Step Three: Exterior finishing

- Exterior finishing will differ depending on exterior sheathing materials and water drainage systems.
- If there is an overhang that is equal to or longer than the projection, and less than 24" separates the two, then coil stock can be used seal the area between the head of the unit and overhang.
- If there is no overhang or the separation is larger than 24", a roof will be need to be constructed
- All local and federal laws/codes will need to be enforced during the construction of the roof which should include proper roof flashing techniques.
- For homes where the J-channel was removed, a new j-channel will need to be applied and all exposed joints will need to be sealed.

## **Step Four: *Interior finishing***

- Apply desired interior trim.
- If staining the head jamb and seat board, be aware that natural wood varies in its look and may appear different after staining.

**NOTE: There are many variations of install that may be encountered when replacing windows. One conventional replacement scenario is described in these instructions. For questions on appropriate installation procedures, refer to your GENERAL CONTRACTOR, LOCAL and STATE BUILDING CODES, ARCHITECTURAL SPECIFICATIONS, and ASTM E2112.**