

### INSTALLATION OF PROJECTION WINDOW

1. Prior to removing the existing window, always check the following measurements to ensure the new unit will fit the opening:
  - Existing Opening
  - Replacement projection window
2. Remove Existing Window and Interior Casing:
  - Most commonly the existing jambs and header will be left in place.
  - Prep area by making sure that all wood in the opening is secure and free of decay. Replace wood and add fasteners as needed.
  - With a sloped sill you have two options for installation.
    - You can remove the existing sloped sill and use the best fitting 2x “X” that matches your wall thickness to create a flat sill.
    - If you choose not to replace the sloped sill, add a wedge shim to the sill to fill void between the flat surface of projection window bottom and top surface of sill.
3. Cap and Seal the New or Existing Sill: *It is virtually impossible to seal after frame is installed.*
  - Use coil stock to cap the sill.
  - Then seal capping with quality caulking.
4. Inserting the New Projection Window:
  - Insert projection window into the opening from exterior of structure.
  - Bring the interior edge of frame (head, seat, and jambs) flush with interior sheathing of structure. Bring flush with wall.
  - Use a straight edge or level to ensure that projection window frame is even on all four sides with the interior wall surface.
  - Shim as needed to make frame square with opening in wall.
5. Securing Projection Window:
  - You will need to use four three-inch screws on each jamb to secure projection window to frame of structure. (Three-inch screws are supplied.)
  - Fasten the screws in as close as possible to the back side of real-wood mullion mounted on jamb boards. Make sure that you hit the stud with screw and not the sheathing or masonry surface of wall.
  - You will have two pieces of installation trim (3/4" finish trim) shipped “loose” with the new projection window, one for each side of frame.
  - While holding installation trim against jamb mullion and jamb board, use 1-1/4" finish nails to fasten the installation trim. This will cover the head of the installation screws.
  - Most commonly, the installation trim are pieces of molding that match the interior window stops of frame.

### INSTALLATION OF PROJECTION WINDOW (CONTINUED)

- When the projection window's jamb boards are greater than approximately 10" wide, you will receive a different type of installation trim. This is because in order to properly screw the installation screws into opening, you will be required to reach further back on jamb board away from jamb mullion. This "oversize" installation trim will be a beveled piece of real wood. It will be at least three inches wide to allow installer to cover the installation holes when they are set further back away from jamb mullion.
- If installer has chosen not to use supplied fasteners, then we recommend that you use four hardened finished nails on each side of the jamb. Use shims on each side of the nail to protect veneer from hammer damage. Make sure to set all nails with a nail punch.

#### 6. Insulate Around Projection Window Frame

- Using fiberglass insulation completely insulate between projection window frame and opening in structure.

#### 7. Installing Standard (Non-mitered) Interior Casing

- If you ordered non-mitered interior casing you will need to measure and cut your casing.
- You should start with bottom face board.
  - When cutting interior casing on job site, installer should allow a 1/4" reveal when measuring if the frame has edge banding applied to plywood edge. If there is no edge banding on unit installer should place interior casing flush with top surface of seat board.
- Fasten bottom piece of interior casing to the seat with finish air nail gun. *If using hammer make sure to pre-drill the holes.*
- Measure and cut both pieces of casing for the sides. Match the miter used to cut bottom piece. Then use same method to fasten these pieces to the side jambs.
- Measure, cut and fasten the top casing to head board.

#### 8. Installing Pre-mitered Interior Casing

- You should start with the bottom piece of casing. Fasten bottom piece of interior casing to the seat with finish air nail gun. *If using a hammer make sure to pre-drill the holes.*
- Properly line up miters with side interior casing pieces and use same method as before to fasten to side jambs.
- Properly line up miters with top piece of interior casing and use same method as before to fasten to head board.

### COMPLETING EXTERIOR INSTALLATION OF PROJECTION WINDOW

#### 9. Install Hanger Support System

- Follow installation instructions included with hanger support kit.

#### 10. Finishing the Top of Bay or Bow

- Installer must apply a waterproof barrier over the entire top of projection window frame.
- The top of the projection window should be insulated with six-inch fiberglass insulation and capped off (fascia extension) to overhang or roofed.
- If pre-fabricated roof was ordered from manufacturer please refer to installation instructions included with roof.

#### 11. Cap and Seal any Opening Around Exterior of Projection Window

- Installer should properly cap (coil stock, J-Channel, etc.) and seal (with high-grade exterior sealant) any gap between projection window's exterior frame and the sheathing of structure, including sill.
- Remove any excess caulking and clean the exterior unit as needed.