## NEW CONSTRUCTION INSTALLATION

1. Apply a bead of caulk around the exterior perimeter of the opening..

2. Set the unit into the opening. Use wood shims to block the unit into the opening, adjust the shims so that the window is level, square and plumb (see diagram 1).See diagram below for shim locations. Ensure mullion joints are also shimmed.

3. Using 1 1/2” roofing nails, secure one bottom corner of the unit by nailing thru one of the pre-punched holes in the nail fin. Then put a nail in the top corner (opposite to the bottom corner). Check to make sure the unit is square and that each frame member is leveled and plumb (see diagram 1). Proceed to install nails around the entire unit in every other nail hole (approx. every 8”). Do not drive the nails completely tight in order to allow for expansion and contraction.

4. Because the nail fin is not a weather tight seal we recommend installing an ice and water barrier as shown in the diagrams 2.1-2.3 below (examples of water barrier include roofing paper, adhesive membrane or tape). When applying the barrier extend the material a minimum of 6” in both directions.

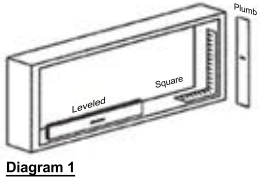


Diagram 1

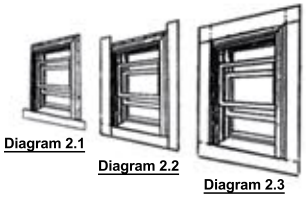
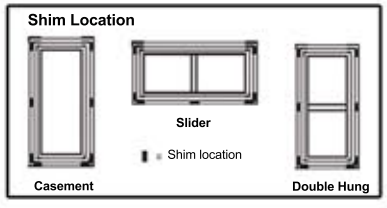


Diagram 2.1

Diagram 2.2

Diagram 2.3

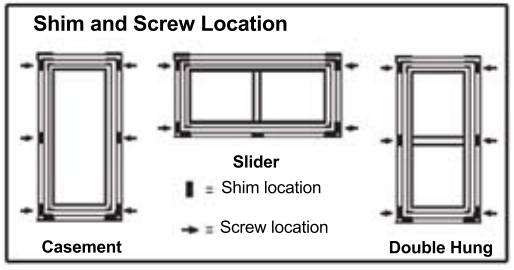



## REPLACEMENT WINDOW INSTALLATION

1. Set the unit into the opening. Use wood shims to block the unit into the opening. See diagram below for shim location.

2. Adjust the shims so that the window is level, square and plumb (see diagram 1). Use the sash to visually check the squareness of the window.

3. Use the screws supplied to fasten the window to the existing frame. See screw location below. Be careful not to distort the frame by over-tightening the screws, snug is more than adequate.




SCREW LOCATIONS

CASEMENT WINDOW

Open the sash and install screws at the shim locations on both sides. Do not fasten screws through the sill. Check the operation of the sash to make sure it operates freely. With the unit in the closed position verify that the seal between the main frame and the sash is uniform from top to bottom, if not, loosen the screws and adjust accordingly.

SLIDER WINDOW

Install the screws at the shim locations. For units over 32” in height we recommend installing a third screw in the middle of the sides. Do not fasten screws through the sill. When installing the screws we recommend putting your screws in the outside track on the left hand side and installing the screws in the inside track of the right hand side. Check the operation of the sashes to make sure they operate freely from side to side.

DOUBLE HUNG WINDOW

Install the screws at the jamb shim locations on both sides. Do not fasten screws through the sill. For the top screws, remove the two sash stops (approx. 2” long vinyl piece) from the inside track of each corner and push the balance housing toward the exterior to allow better access. For the bottom screws, remove the bottom sash stops located in the outside track and install a screw in each corner. For a middle screw, tilt in the top sash, or remove it, and install a screw behind the balancer housing in the outside track (you may need to push the balancer to one side with a flat head screw driver), do this on both sides. Installing the screws in these locations does not require the holes to be counter sunk because all the screws are hidden. Check the operation of the sashes to make sure they move freely up and down.

FIXED WINDOW

Install the screws at the shim locations. For units over 36” wide we recommend installing a middle screw in the middle of the top and bottom. Pre-drilling a 3/8” hole is recommended.

4. When the installation is complete, insulate the void between the unit and the opening. Foam insulation can be used as long as it’s “low expanding”. Assure that the window frame is not distorted in any way.

5. Finishing trim (if required) can now be applied.

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