

# INSTALLATION GUIDE WITH NAILING FIN



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## 1. ROUGH OPENING PREPARATION & FLASHING

Rough opening must be plumb, level and square (See figure #1). Opening width and height must be at least  $\frac{1}{2}$ " larger than the window make size (not including the nailing fins). Install 6" self-adhesive flexible flashing at sill. - length of flashing is to extend past the nailing fin by at least 4". (NOTE: Head and jamb flashing to be installed after window has been set).

## 2. SETTING THE WINDOW INTO THE OPENING

Ensure that the window sashes are in a closed and locked position to maintain the squareness of the frame. Set  $\frac{1}{4}$ " shims (Not by CWD) at the sill to support the window in a straight and level position. Locate shims at 4" from each side and at 24" O.C. max. in-between.

Apply  $\frac{3}{8}$ " **continuous bead of silicone sealant** to the interior surface of the nailing fin, covering the holes in the fin (to seal the fin to the building wall sheathing when window is set in the opening).

Set the new window O.C. on the sill shims and adjust the jamb clearance to be equaled on both sides. With a #10x1" sheet metal screw, fasten one upper corner of the nailing fin to hold the window in place temporarily. Check that the sill is leveled and adjust shims as necessary. Apply shims (Not by CWD) on the sides, 4" from top, bottom, and at midpoint location, careful not to bow the jamb. Check the frame for squareness by measuring diagonal corners. Diagonal dimensions shouldn't be more than  $\frac{1}{8}$ ". Ensure that the clearance between the sash and frame is uniform throughout. When the frame is plumb, square, and level, fasten the window with #8 sheet metal screws at 16" O.C. through the perimeter nailing fin penetrating the wood (or stud) substrate by at least 1". Center the screw in each slotted hole to allow movement of the framing underneath during thermal expansion and contraction. Check the window for operation.

## 3. APPLYING JAMB AND HEAD FLASHING

Apply 6" flexible adhesive flashing at the jambs and lastly at the head. (See figure #4).

## 4. APPLYING INSULATION AND PERIMETER SEAL

Apply batt insulation (Not by CWD) at the head and jambs as required.

Caution: Do not use expandable foam as these are known to bow and/or damage the frame. Crystal warranty will be voided under these circumstances. (See figure #2). Once the window is secured, make sure the condition are clean and dry. Add proper backer rod as required (Not by CWD) to avoid 3 point adhesion and apply compatible sealant (Not by CWD) around exterior and interior window perimeter.

