



## **Installation Instructions**

For Pitched Roof Continuous and Step Flashed Skylights

**Please read these instructions carefully and completely prior to installation.**

**IMPORTANT NOTES:** These instructions only apply to our Copper Pro series skylight, installed on roofs with pitches of no less than 3:12, using roofing materials no more than 1" thick. For roofs with pitches less than 3:12, you need to order our Flat Roof model.

The Copper Pro series comes standard with continuous perimeter flashing. Step flashing is available. Both installation methods are addressed in these instructions. The standard Copper Pro series unit is an integrally mounted skylight. The curb drops into the rough opening and is secured to the truss or rafter by nailing or screwing through the curb, perpendicular to the framing member.

If you require a cut flush / deck mounted unit in this series that does not drop into the opening, you must request it as it is not the standard model of manufacture. However, it is readily available. If you have any questions regarding the above, please call our customer service department for additional information and assistance.

### **SKYLIGHT INSTALLATION**

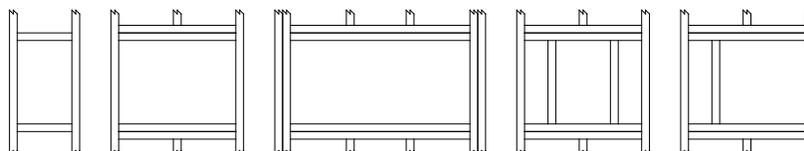
**Please note:** It is not necessary to remove the top to install the continuous flashed model. For step flashed models the top must be removed to allow removal of the hinge bar. (See instructions on next page for our step flashed model) However, if removal is desirable to reduce weight during transport to the roof, the top can easily be removed as follows:

**Venting:** Open the skylight with the operator. Remove the egress pin which secures the operator chain to the sash bracket. Replace pin in bracket for storage. Raise the front of the top to a 45° angle and disengage top from the rain diverter hinge bar.

**Fixed:** Carefully remove and save screws at bottom of top that secure it to the wood curb. Lift top and disengage as described above.

- 1- Determine the desired location within the room. Mark the ceiling using a carpenter's square. Positioning the opening between joists will keep your work to a minimum.
- 2- Carefully cut out the interior ceiling. Be sure not to cut electrical wires, plumbing, etc. You are now ready to open the roof.
- 3- To cut opening in roof, cut through roofing, roof deck and rafters according to rough opening indicated on carton. The frame size and rough opening are both printed on the packing carton.
- 4- Frame the opening with the same size dimensional lumber as the roof rafters. Check the local building code for header size. Then, carefully remove the roofing shingles 12 inches around the opening on top and sides only. Save these shingles.

### **EXAMPLE OF FRAMING DETAILS**



- 5- Partially set two (2) 10D nails into rafters on each side of rough opening 2" below roof deck. This will support the skylight curb during placement. (Remove nails after skylight is fastened to structure)

- 6- You must weatherproof the perimeter around the rough opening. This can be accomplished in two ways:
  - a. You can apply a generous coat of roofing cement or silicone around the opening or –
  - b. You can apply a weather proofing membrane to the deck which has an adhesive on both sides.
- 7- Square and plumb the unit into the opening and shim where necessary. Make sure flashing lays flat on the roof deck. Nail or screw through curb into rafter or truss to secure the skylight fastener options: 8d nail or 2 ½” screw (preferred), secure through the curb to a solid wood substrate penetrating a minimum of 1 ½”. If the rough opening is greater than typical ½” overall, a longer fastener may be required. Fastener spacing 12” O.C. and 4” min. from all inside corners.
- 8- For Cut Flush/Deck Mounted Skylights after centering the skylight over the opening secure the skylight to roof deck with the pre-attached stainless steel angle brackets.

**NOTE: Failure to properly secure the skylight curb to the structure WILL VOID THE WARRANTY.**

- 9- Re-shingle around the skylight by running a finish course under the front apron and succeeding courses on top of the side rakes and head flashing. Leave ½” space between shingle and curb.

**DO NOT NAIL through the copper flashing under any circumstances.**

- 10- Check that all shingles are in place. Be careful that no nails in shingles pierce any part of the flashing or step-flashing pieces.
- 11- If removing the top from a vented skylight during installation was necessary, it can be easily replaced by setting the top on the curb and then lift the front to 45°, to allow it to drop into hinge bar. Lower the front of the top and pull up on rear of top to ensure that it is seated properly. Once the top is secure, replace the egress pin connecting the sash bracket to the operator chain. For a fixed skylight replace top as above apply slight pressure and secure with screws through the cover opposite the hinge side.

**Skylight wood curb is required to be finished with paint or stain to reduce the potential of absorption in moisture rich environments.**

#### **INSTRUCTIONS FOR STEP FLASHED MODEL**

**Please note:** If you have ordered a step flashed unit, follow previous steps 1 through 5 Then follow below.

6- Carefully remove the top and hinge bar to remove the head flashing. To remove the hinge bar, unscrew the ¾” stainless steel screws which attach it to the curb (save the screws). Once the head flashing has been removed, lower the wood curb into place and rest it on the 10D nails. Square and plumb the skylight into the opening and shim where necessary. Nail or screw through the curb into the rafter or truss to secure the skylight (See #7 inside for fastening recommendation). If you purchased cut flush deck mounted unit, use the stainless-steel angle brackets provided.

**NOTE: Failure to properly secure the skylight curb to the structure WILL VOID THE WARRANTY.**

7- Ice and water shield installation: The head and apron flashing are manufactured ¼” wider than the wood curb to accommodate the ice and water shield. Start with the lower (apron) side of the skylight. Apply the ice and water shield on the roof deck returning up the outside of the wood curb wrapping around the corners. Continue with the same method along the sides and then the top (head) of the skylight.

8- Install the apron flashing to the lower side of the skylight and begin installing the shingles alternating with the pre-bent step flashing. Once the shingles and the step flashing have been applied along the entire length of both sides, install the head flashing. Finally, reinstall the hinge bar as previously installed (Continue to Step 10)

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