

# **Installation Instructions**

## **For Flat Roof Skylight**

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

**IMPORTANT NOTES:** These instructions only apply to our Flat Roof Copper Pro series skylights, installed on roofs with pitches less than 3:12.

**SKYLIGHT TOP MUST BE REMOVED PRIOR TO TORCH DOWN ROOF INSTALLATION TO PREVENT DAMAGE TO SEALS.**

The Flat Roof Copper Pro series comes with continuous perimeter flashing. 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 skylight. 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 egress pin which secures the operator chain to the sash bracket. Replace pin in bracket for storage. Raise the front of 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.

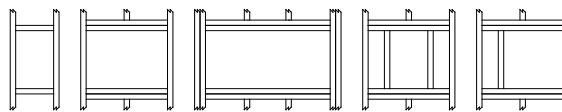
- 1- Determine the desired location within the room. Mark the ceiling using a carpenter's square. Positioning the opening between joists will keep your work to a minimum.
- 2- Carefully cut out the interior ceiling. Be sure not to cut electrical wires, plumbing, etc. You are now ready to open the roof.
- 3- To cut opening in roof, cut through roofing, roof deck and rafters according to rough opening. The curb 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 local building code for header size.
- 5- Apply a generous amount of roof cement around the opening of the roof deck, at least 3" wide.
- 6- Set skylight into opening with the pitch of the skylight following the pitch of roof to allow for proper drainage, imbedding flashing into roof cement.

- 7- Square and plumb the unit into the opening and shim where necessary. Nail or screw through curb into rafter or truss to secure the skylight fastener options: 8d nail or 2 1/2" screw (preferred), secure through the curb to a solid wood substrate penetrating a minimum of 1 1/2". If the rough opening is greater than typical 1/2" 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- Install 12" wide strips of ice and water shield membrane around the entire skylight, overlapping flashing and sheathing.
- 10- Begin installing roll roofing material covering the flashing and underlayment, starting at the lowest portion of the roof pitch. Continue installing the roll roofing according to the manufacturer's instructions covering the entire perimeter of the skylight flashing.
- 11- Seal all edges of roofing material where it meets the vertical curb with a quality elastomeric caulking.
- 12- 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 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.
- 13- Skylight wood curb is required to be finished with paint or stain to reduce the potential of absorption in moisture rich environments.

## EXAMPLES OF FRAMING DETAILS



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

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