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CrystaLite Inc.

Basic Custom Skylight Installation Instructions

Preliminary Look Over

Look over and understand the CrystaLite Inc. shop drawing blue prints and parts manifest list provided.

Layout and identify parts provided, per the parts manifest and CrystaLite Inc. shop drawing blue prints.

If any parts appear to be missing, please call our office at 1-800-666-6065 and refer to the name in the title block of sheet one, and the “C -0000” or “S-0000.” (“C” or “S” followed by a four digit number)

Notice alphabetical “letter” marks on the plan view of sheet one, which locates each piece of glass to its installed glass location. A “letter” mark that corresponds is provided on a tag of each glass unit. A glass list is provided with the “letter” mark with its actual glass size.

Frame Preparation

Install the glass glazing tape on the frame members, per details of CrystaLite Inc. shop drawing blue print.

If possible, for ease of installation of glazing tape, prepare frame on the ground or on surrounding roof area before frame is installed over the opening.

For best results, install glazing tape first on the ridge members, then down the hip rafters, then down the rafters, then across the muntin and finally the sill areas, in that order.

Setting Frame On Curb/ Frame Assembly

Provide an airtight seal between skylight and the skylight curb. This can be skylight curb tape or a wet seal. (This seal is not provided by CrystaLite, Inc.)

Set skylight frame on the curb. Use silicone wet seals between sill perimeter pieces at splice joint areas. (This sealant is important to make the condensation gutter area, to be water tight, at the splice joints areas)

Set in place any ridge members and horizontal muntins over rafters, at splice joint locations, if provided on your project.

Complete installation of glazing tape at splice joint locations

Anchor skylight frame to the curb, use adequate fasteners to structurally attach skylight frame to the skylight curb. (Fasteners not included, size and quantity of fasteners to be determined by licensed structural engineer, by other.)

Install Glazing

Install all glazing units or glazing panels on the frame per the plan view's alphabetical letter mark locations.

Ridge Cap Flashings

Install all exterior aluminum ridge cap flashings with a silicone wet seal, between flashing and glazing, per print details. (Silicone not included)
Masking tape may be helpful to hold these in place temporarily until wet seal sets up.

Hip Cap Flashings

Install all exterior aluminum hip cap flashings with a silicone wet seal, between flashing and glazing, per print details. (Silicone not included)
Masking tape may be helpful to hold these in place temporarily until wet seal sets up.

Muntin Cap Flashings

Install backer rod between glazing units at horizontal muntin areas, and using silicone, fill the area between the glass units with a continuous silicone wet seal, then wet seal the flat aluminum cap over joint on top of glass units.
Masking tape may be helpful to hold these in place temporarily until wet seal sets up.

Perimeter Caps

Install perimeter caps around perimeters, remove the pre-taped backing off of the glazing tape, set in place over glazing. (Install perimeter cap rivets after pressure bars have been installed and tightened down)

Pressure Bars

Install pressure bars over glazing at rafters, make sure they are aligned over center of line of rafters and are also aligned from one side of a slope to the other side such as at ridge and hip locations. (Pressure bar bolts are provided)

Snap Covers

Install “U” shaped snap covers over pressure bars, by pounding on edge, using a rubber mallet. Pound on edges of snap cover to prevent denting of the snap cover face. Align both sides of snap covers at ridge and at hips at the same time to get the proper alignment of snap covers.

Install Perimeter Cap Rivets

Install perimeter cap rivets at perimeter, drill holes for rivets and install rivets per spacing on the CrystaLite shop drawing print or approximately 12” on center.

Final Cleaning And Inspection

Clean and inspect glass and inspect frame for any damage. Inspect frame for any missing items during installation. Please notify CrystaLite Inc. of any missing or damaged parts.

**Any Questions Please Call.
1-800-666-6065.**

Thank you for your purchase of the CrystaLite custom skylight or sunroom.