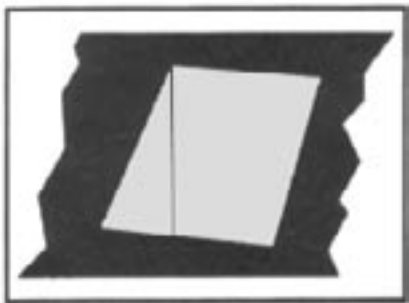


INSTALLATION INSTRUCTIONS FOR POLYCARBONATE SELF-FLASHING MODEL

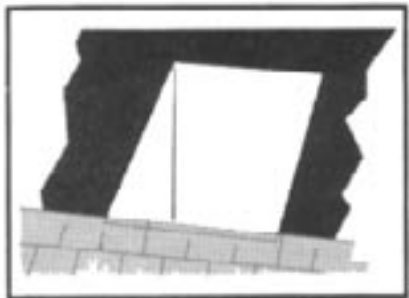


Instructions are for composite roofs of greater than 2:12 pitch.

1 Be sure opening is accurately sized and is located properly. Check for squareness. Roof felt should already be applied.

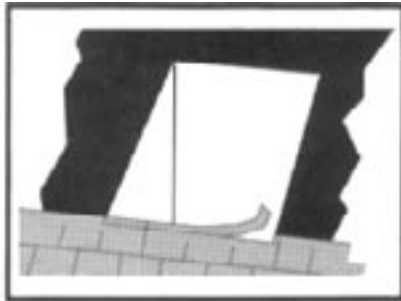


2 Apply shingles to roof, stopping just past the skylight opening.

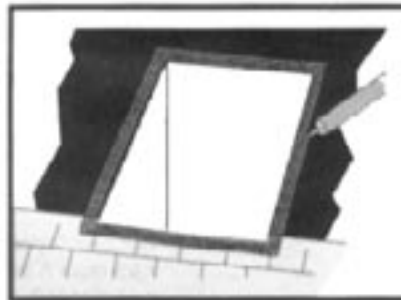


***NOTE:**
Compatible glazing tapes, ice/water shields may be used in place of sealants.

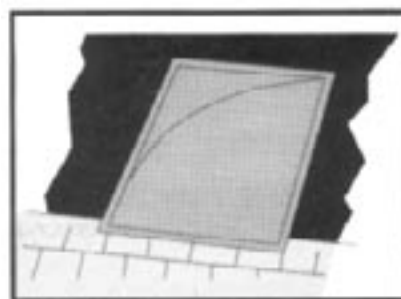
3 Trim any excess shingles out of opening.



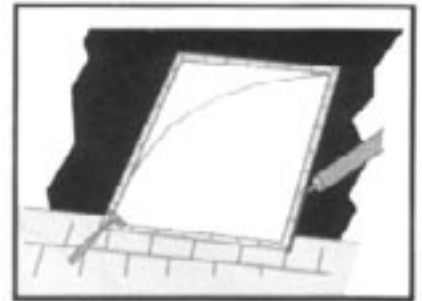
4 Apply three heavy beads of approved or compatible sealant* around the opening.



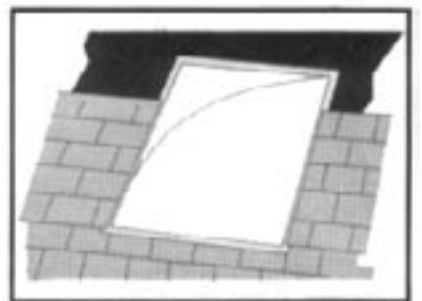
5 Place skylight over opening, being sure to center skylight and keeping it square to the opening. Bottom flange overlaps shingles.



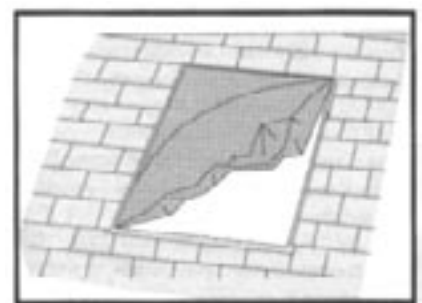
6 Fasten in place using 1 1/2" screws or ring shank galvanized roofing nails. Apply sealant* to top of fastener. Apply sealant* around perimeter of skylight.



7 Complete shingle application around skylight.



8 Remove protective packaging film from skylight.



SUGGESTED SEALANTS

BUTYL SYNTHETIC RUBBER SEALANTS

- * Tremco Manufacturing Co., Cleveland, Ohio; Crimp Joint Sealant 693-43X Butyl Based Sealant Tape MBT-35
- * Parr Corporation, Cleveland, Ohio; Butylseal 4249024, Putty Tape 713832.
- * Dunn Rainey, Detroit, Michigan; Carti-Tape 4530-1. Black Butyl 4360.
- * Contech, Overland Park, Kansas; Butyl Rubber Caulk.

Do not put roofing mastic or hot steep asphalt on the transparent plastic skylight.

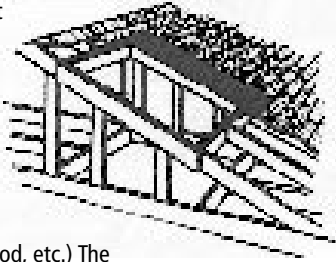
For best results use a high grade sealant material that has long life. **Low grade sealants should not be used.**


NOTE: If sealant does not appear under "Suggested Sealants" it should be considered incompatible!

Check with the sealant manufacturer or dealer for compatibility with polycarbonate plastic.

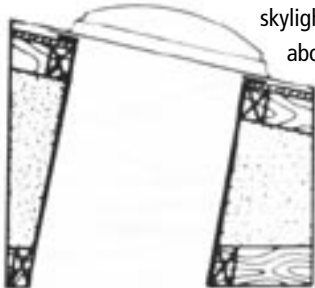
BUILDING THE LIGHT TUNNEL

In structures that have a space between the ceiling and the roof such as an attic or crawl space, a light tunnel must be built. Nailers of 2" x 4" must be used to frame the opening between the roof header and the ceiling header. These will be used for attaching the finishing material (i.e. drywall, wall board, plywood, etc.) The light tunnel should be wrapped with insulation for optimum performance. Select desired shaft and frame accordingly.



 Indicates 2" x 4" headers

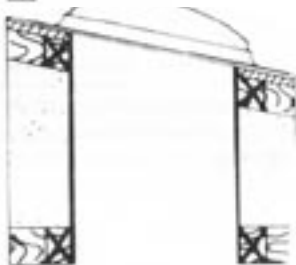
ANGLED SHAFT —An angled shaft is required when the skylight cannot be positioned directly above the area to be lighted because of existing pipes, electrical wiring, duct work or roof limitations, such as ridges or valleys. Locate the skylight as close to the desired areas as possible and then build the shaft on an angle to the ceiling



SPLAYED SHAFT — The splayed shaft is used to permit the **greatest light exposure**. This is done by making the ceiling opening larger than the roof opening.



STRAIGHT SHAFT —A straight shaft from the roof to ceiling can be used. If the roof is flat the ceiling and roof openings will be the same dimension. With a pitched roof, however, the ceiling opening will be slightly smaller than the roof opening.



This information is supplied in good faith, without recommendation as to its use and without charge. No guarantee of results of any use of the information is to be implied, since the conditions of use are beyond our control.

STANDARD SIZES

MODEL SF	ROUGH OPENING (W x H) (In.)	OUTSIDE CURB DIMENSION (W x H) (In.)
1414	14½" x 14½"	22" x 22"
1422	14½" x 22½"	22" x 30"
1430	14½" x 30½"	22" x 38"
1446	14½" x 46½"	22" x 54"
2222	22½" x 22½"	30" x 30"
2230	22½" x 30½"	30" x 38"
2246	22½" x 46½"	30" x 54"
2269	22½" x 69½"	30" x 77"
3030	30½" x 30½"	38" x 38"
3046	30½" x 46½"	38" x 54"

CLEANING AND MAINTENANCE INSTRUCTIONS

When you clean your Polycarbonate skylight, use chemically compatible cleaners to ensure continued performance and product life. Your skylight(s) are U.V. protective coated and constructed of polycarbonate sheets.

1. Wash skylight with mild soap or cleaning agent and lukewarm water. Rinse with clear water.
2. Use soft cloth or sponge when gently washing (DO NOT SCRUB) and dry gently and thoroughly with chamois or cellulose sponge.

Some Compatible Cleaning Materials

- Formula 409® (Clorox Company trademark)
- VM & P grade Naphtha
- Joy® (Proctor & Gamble trademark)
- Windex with Ammonia D® (Drackett Products trademark)
- Top Job® (Proctor & Gamble trademark)

Some Incompatible Cleaning Agents

- Lysol® (Sterling Drugs trademark)
- Pine Sol® (American Cyanamid trademark)

Fresh Paint, Grease, and Glazing Compound Removal

Remove above before drying by wiping with a soft cloth saturated with VM & P Naphtha. Then wash as in cleaning instructions.

Label and Sticker Removal

VM & P Naphtha will generally remove masking and other label adhesives. Wash afterwards as in cleaning instructions. Excessive rubbing or scraping can damage skylight surface.

Cautions

Benzene, gasoline, acetone, or carbon tetrachloride should not be used on our skylights. Use no abrasive or alkaline cleaners. Avoid scraping with razor blades or other instruments. Do not clean skylights in direct sunlight or at elevated temperatures.