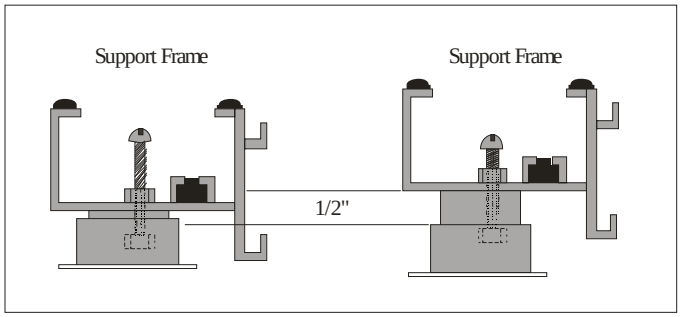
SolarView Skylight Installation

NOTE: Skylight installation requires a <u>MINIMUM</u> 1/12 roof pitch. Installation on a roof with less than a 1/12 pitch will void the warranty of the skylight.

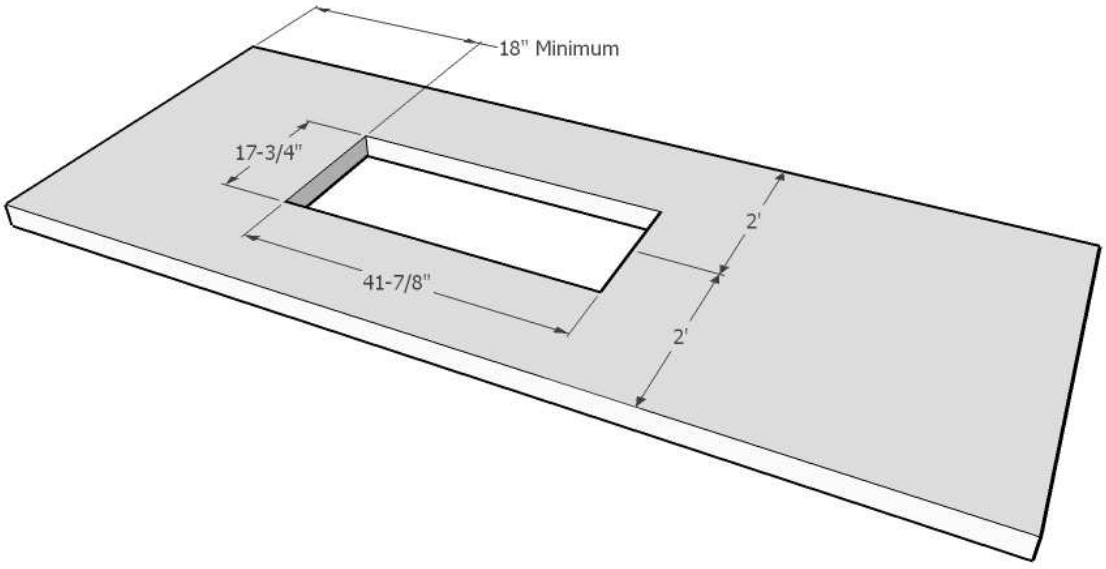
It is easiest to install the skylight before installing the roof panel. Laying the roof panel on the ground or saw horses will give the installers easier access to the panel and the skylight. Once installed, the panel will be installed as normal along with the other roof panels.

Loosen all 20 of the Support Frame bolts using a Philips head screwdriver. Back out all 20 screws about ¼". **<u>Do not remove these screws completely.</u>** When all the screws are loose, lift the Support Frame. The Support Frame actually consists of two pieces, the upper section with the screws and the bulb seals, and the lower section that extends to form a positive roof panel surface seal.

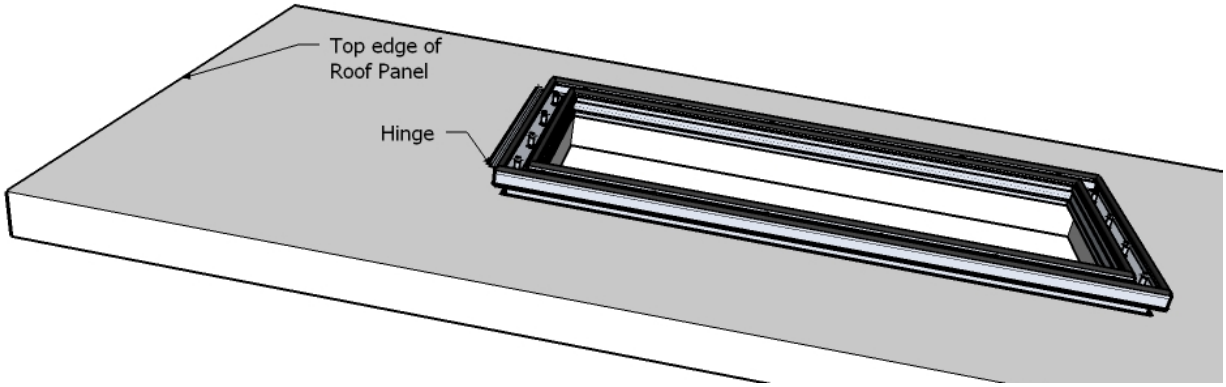
With the screws loosened, the two sections should be able to telescope slightly. When you lift the Support Frame and the two sections do not move apart slightly, rap on the side of the Support Frame and the two sections should separate slightly. The top and bottom sections of the Support Frame do not come apart, they merely extend or telescope about ½".



Cut the opening into the roof panel centered on the width and aligned on length as desired. The opening must be 17-3/4" wide by 41-7/8" long. The opening for the skylight must be a minimum of 18" from the top edge of the panel.



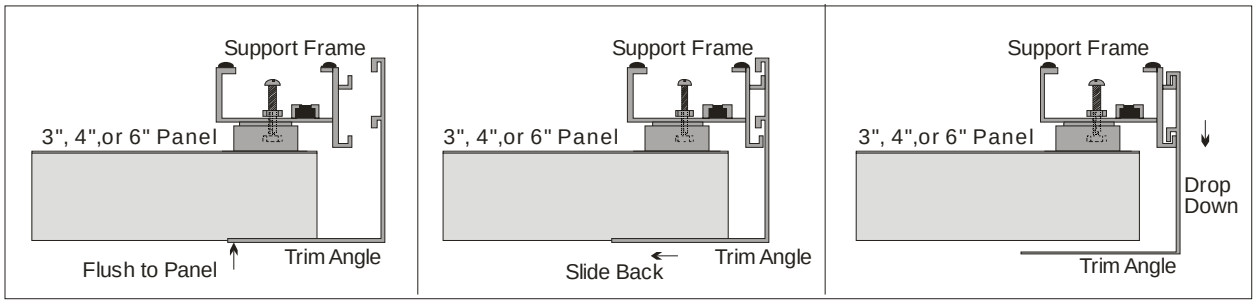
Working from the top of the roof panel, place the Support Frame over the opening with the two wider legs up and the flat surface down. Check for fit. **Note: The hinge on the Support Frame <u>MUST</u> be on the higher end of the roof panel when installed.**



Turn the Support Frame over. Remove the paper cover on the sealant tape on the Support Frame's bottom section. With the hinge at the higher end, carefully place the Support Frame over the opening in the panel. The sealant tape will adhere strongly to the surface of the panel and will not allow it to be moved easily once it is in place, so use care locating the support frame.

Working from the underside of the roof panel, pass the two side Trim Angles (longer pieces) up through the opening and clip them onto the slots of the Support Frame. Pull down on the Trim Angles and lock them in place. Take the two end Trim Angles and repeat the process.

If the SolarView Skylight is operational the end Trim Angle with the Operating Crank mechanism will be installed on the end opposite the hinge on the Support Frame. The Trim Angle will extend under the roof panel and will hang down about ¼" to ½" below the panel's surface, covering the opening in the roof panel from the inside.

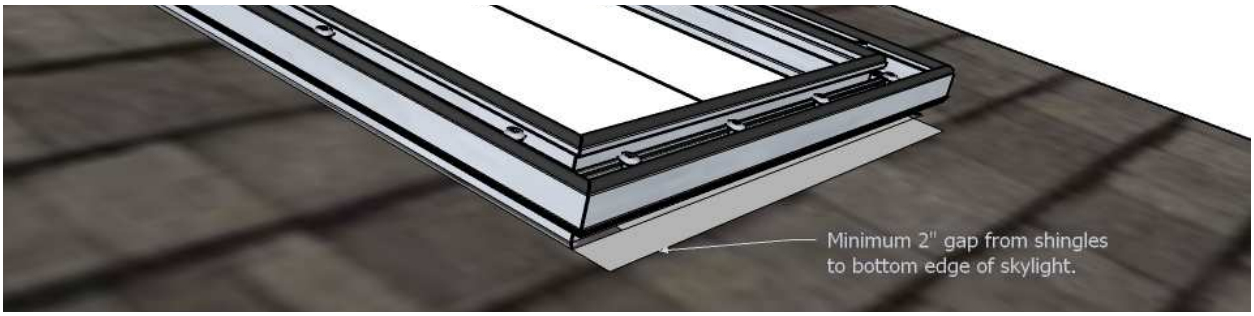


Return to the top of the roof panel and tighten the screws in the Support Frame that were loosened previously. As these screws are tightened they will force the upper and lower section of the Support Frame apart, drawing the Trim Angles tightly against the underside of the roof panel. It is important that all of the screws be tight. Bring all the screws down uniformly. Do not torque one screw all the way down until all of the screws have been tightened to some degree.

Apply a heavy bead of sealant at the juncture of the SolarView Skylight and the roof panel after it has been secured to the roof panel. Apply a bead of caulk to all four welded corners of the Support Frame on the outside. On the underside of the roof apply a cosmetic line of sealant in all four corners where the Trim Angles meet. Clear away any caulk or material that may block the drains in the underside of the support frame opposite the hinge. The drains remove potential condensation from the frame.

Shingled Roof

A 4-Ply panel roof system has a layer of OSB below its aluminum surface through which shingles are secured. The skylight requires a 1/12 pitch or greater. In this application, shingles are for aesthetics rather than water protection. Shingles should be installed against both sides of the skylight and against the top. Normal shingle sealing should be applied in these areas. The lower end of the skylight must be treated differently. Shingles should not be installed any closer than 2" below the end of the skylight. There are several holes on the lower end of the skylight that must be allowed to drain and cannot be blocked.

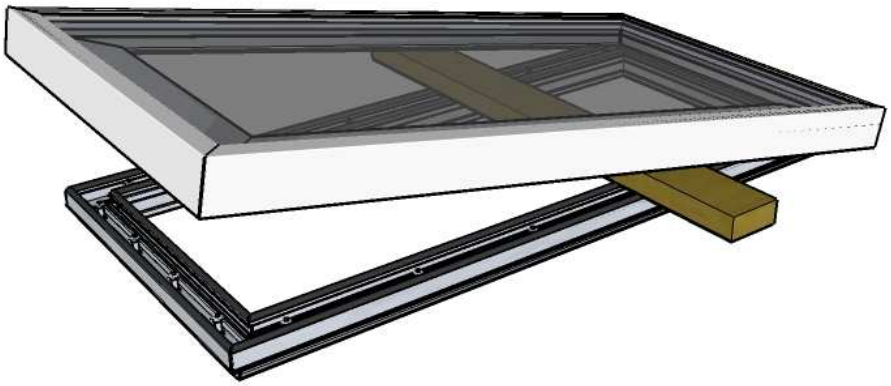


Fixed Skylight

Lift the sash and tilt it on about an 80 degree angle and insert the sash hinge section into the Support Frame hinge. Lower the Sash, insuring that the two hinge halves are attached. Close the Sash and replace the two screws in the lower end of the skylight.

Operative Skylight

Lay a board across the width of the Support Frame about bid way along the Support Frame's length. Lift the Sash and tilt it on about an 80 degree angle and insert the Sash hinge into the Support Frame hinge. Lower the Sash insuring that the hinge halves are attached. Rest the Sash on the board.



Make sure the brass fitting on the underside of the Sash is on the opposite end from the hinge. Attach the handle to the crank and turn it so that the Crank Chain comes out of the Crank. Attach the Crank Chain to the brass fitting on the Sash with the pin provided. Remove the plank and operate the Crank to insure operation.

From the underside, lift the screen into the slots with the Spring Clips of the screen at the Crank end. Using the handle push the screen toward the crank end and ease the Screen over and into the slot on the other end.

