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Engineer of Record:
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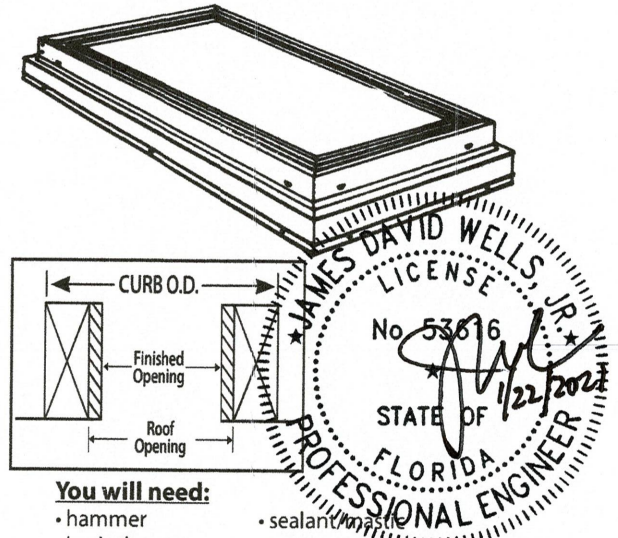
J & L Wells Consulting LLC
1453 Arbitus Circle
Oviedo, FL 32765
(407) 496-5489
Certificate of Authorization No. 27162

INSTALLATION INSTRUCTIONS INSULATED GLASS SERIES

MODEL CMG^{III}

Use on any type roof (curb required)

SIZE INFORMATION						Fastener Schedule			
Size Code	Roof Opening	Finished Opening (1/2" Drywall Dimension)	Curb Outside Dimension	Fits on Center Spacing		SKYLIGHT TO CURB #12 x 2" Phillips Pan Head Screws		CURB TO DECK #10 x 3 1/2" Deck Screws	
						Short Side (Per)	Long Side (Per)	Short Side (Per)	Long Side (Per)
1414	11 1/2" x 11 1/2"	10 1/2" x 10 1/2"	14 1/2" x 14 1/2"	16"		2	2	2	2
1422	11 1/2" x 19 1/2"	10 1/2" x 18 1/2"	14 1/2" x 22 1/2"	16"		2	3	2	3
1430	11 1/2" x 27 1/2"	10 1/2" x 26 1/2"	14 1/2" x 30 1/2"	16"		2	3	2	3
1446	11 1/2" x 43 1/2"	10 1/2" x 42 1/2"	14 1/2" x 46 1/2"	16"		2	4	2	4
1717	14 1/2" x 14 1/2"	13 1/2" x 13 1/2"	17 1/2" x 17 1/2"	16"		2	2	2	2
1725	14 1/2" x 22 1/2"	13 1/2" x 21 1/2"	17 1/2" x 25 1/2"	16"		2	3	2	3
1733	14 1/2" x 30 1/2"	13 1/2" x 29 1/2"	17 1/2" x 33 1/2"	16"		2	3	2	3
1749	14 1/2" x 46 1/2"	13 1/2" x 45 1/2"	17 1/2" x 49 1/2"	16"		2	4	2	4
2222	19 1/2" x 19 1/2"	18 1/2" x 18 1/2"	22 1/2" x 22 1/2"	24"		3	3	3	3
2230	19 1/2" x 27 1/2"	18 1/2" x 26 1/2"	22 1/2" x 30 1/2"	24"		3	3	3	3
2236	19 1/2" x 33 1/2"	18 1/2" x 32 1/2"	22 1/2" x 36 1/2"	24"		3	4	3	4
2246	19 1/2" x 43 1/2"	18 1/2" x 42 1/2"	22 1/2" x 46 1/2"	24"		3	4	3	4
2525	22 1/2" x 22 1/2"	21 1/2" x 21 1/2"	25 1/2" x 25 1/2"	24"		3	3	3	3
2533	22 1/2" x 30 1/2"	21 1/2" x 29 1/2"	25 1/2" x 33 1/2"	24"		3	3	3	3
2549	22 1/2" x 46 1/2"	21 1/2" x 45 1/2"	25 1/2" x 49 1/2"	24"		3	4	3	4
3030	27 1/2" x 27 1/2"	26 1/2" x 26 1/2"	30 1/2" x 30 1/2"	16" or 32"		3	3	3	3
3046	27 1/2" x 43 1/2"	26 1/2" x 42 1/2"	30 1/2" x 46 1/2"	16" or 32"		3	4	3	4
3333	30 1/2" x 30 1/2"	29 1/2" x 29 1/2"	33 1/2" x 33 1/2"	16" or 32"		3	3	3	3
3349	30 1/2" x 46 1/2"	29 1/2" x 45 1/2"	33 1/2" x 49 1/2"	16" or 32"		3	4	3	5
4646	43 1/2" x 43 1/2"	42 1/2" x 42 1/2"	46 1/2" x 46 1/2"	16", 24" or 48"		4	4	5	5
4949	46 1/2" x 46 1/2"	45 1/2" x 45 1/2"	49 1/2" x 49 1/2"	16", 24" or 48"		4	4	5	5



You will need:

- hammer
- keyhole saw
- skill saw
- nails
- drill
- 2 x 4's
- sealant/mastic
- tape measure
- chalkline or straight edge
- trowel or caulk gun
- utility knife

For Light Tunnel:

- 8 or 10 penny nails
- plywood or drywall

RECOMMENDED SEALANTS:

- 100% Silicone
- STS 1000 (Sun-Tek exclusive)
- Butyl rubber sealant/caulk

FAILURE TO FOLLOW RECOMMENDED INSTALLATION PROCEDURES MAY VOID WARRANTY

Check local building codes for glass requirements. • Please read instructions completely before beginning. • Deck and roofing felt should already be installed.

All installation information is supplied in good faith, but without recommendation to its use. No guarantee of the results of any use of this information is to be implied, since conditions of use are beyond our control. Please consult local building codes for compliance before installing.

- To properly position skylight between trusses/rafters, locate the roof opening from the underside of the decking. (If this area is not accessible, locate the ceiling joists from inside the house, mark opening in ceiling (a-c), and cut ceiling opening. Then follow steps below for roof opening.)
 - measure distance between trusses/rafters and mark center point.
 - to center skylight, measure one-half of appropriate roof opening to each side of center point and mark.
 - using the side marks as a guide, mark corners by drilling holes or driving nails through roof.

- Remove shingles 6 - 8" out from roof opening.

- Cut roof opening (snap a chalkline from corner to corner, or draw line with a straightedge.)

- Frame roof opening:
 - cut two 2 x 4's to fit the actual distance between trusses/rafters and nail into place. **NOTE: Size 2525, 2549, 3333, 3349, 4949 Skip step "b" proceed to "c".**
 - cut two 2 x 4's to the exact length of the roof opening and nail to the trusses/rafters.
 - if applicable, cut ceiling opening and build tunnel framing. (See "Light Tunnel Installation Instructions.")

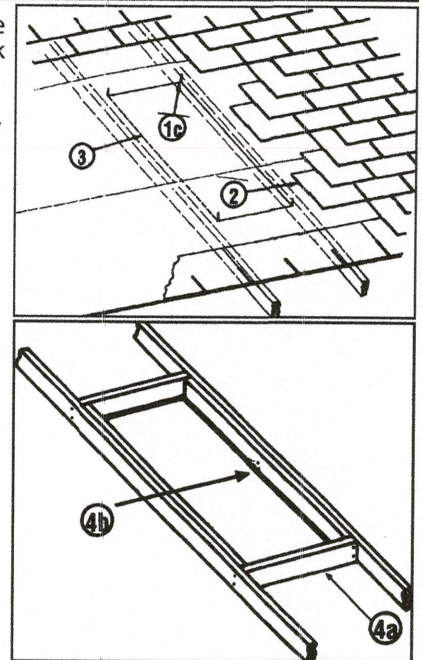
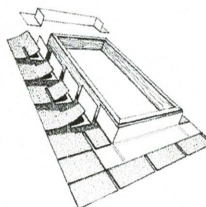
- Build curb:

- Construct curb with 2 x 4's, 2 x 6's, etc. (depending on height desired or building code requirements). Curb should be minimum 3 1/2" high. Be sure inside measurement of curb is the same as roof opening measurement.

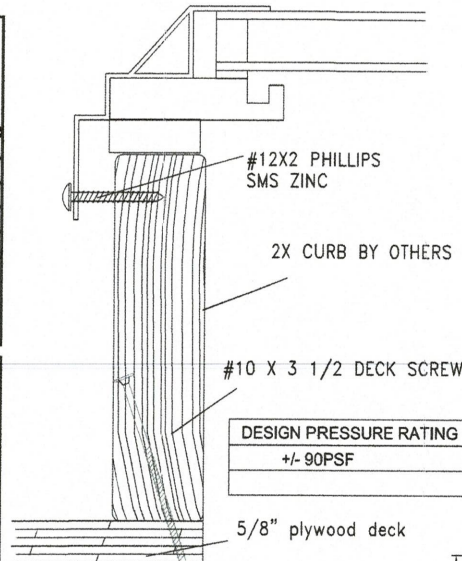
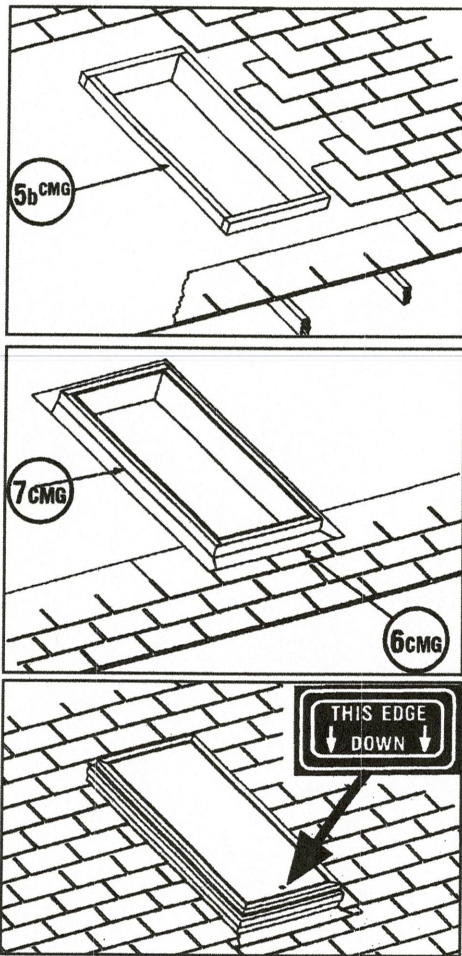
- Secure curb to roof. See fastener schedule and drawing.

- Shingle roof up to bottom of curb.

- Flash curb (sizes 2525, 2549, 3333, 3349, 4949 can be used with Sun-Tek's preformed, pre-cut **Step Flash Kit** with one-piece head and sill). Use galvanized sheet metal, aluminum, or copper. Metal should extend a minimum of 4" over shingles (on bottom side), then up sides of curb. Flashing should be flush with curb top.

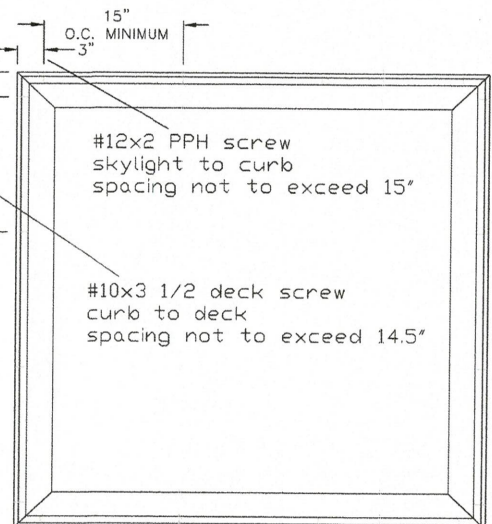


- 8** Shingle up sides and across the top.
- 9** Position the skylight over the curb with the "THIS EDGE DOWN" label at the lowest side of the curb. Center the skylight over the curb, making sure the foam gasket is in contact with the top of the curb. As the fasteners, (*see fastener schedule*), are being attached to the curb, push down on the frame just above the fastener to insure the gasket is compressed to form a good seal. Use the #10 x 2" screws, provided. Continue attaching the remaining fasteners in the same manner. All fastener installation holes provided must be used.



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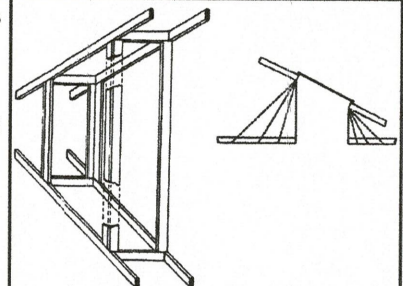
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LIGHT TUNNEL INSTALLATION INSTRUCTIONS

For homes with an attic, it is necessary to build a tunnel between skylights and ceiling. The tunnel walls may be straight, or flared for extra light and architectural appeal. It's very easy to increase the tunnel size along the length of the ceiling joists. As long as no roof-supporting members are cut, no special framing is needed. While it is possible to flare the tunnel in all directions, if support members are cut, special framing will be required for structural support. In this case you must consult a qualified building professional to insure proper and safe results.

- After roof and ceiling openings have been framed, measure distance (at each corner of roof opening) between rafter/truss and ceiling joist.
- Using these four measurements, cut 2 x 4 lumber for vertical support members (two per corner).
- In each corner, nail vertical support members into place at right angles to each other.
- Measure, cut, and nail tunnel walls into place. Suggestions for lining tunnel:
 - use drywall, tape corners, and paint white using regular or texture paint. (Texture paint alone will hide and fill untaped joints, but in time, cracks may appear in corners.)
 - use prefinished paneling with molding in corners.
 - line the tunnel with cedar, pine, or a wood to coordinate with your decor.
 - for special effects, try painting the tunnel a striking accent color, or use mirrors or wallpaper on tunnel walls.
- Caulk the slight gap between the tunnel walls and skylight base.
- Finish off tunnel at ceiling with molding, or blend edges into ceiling with texture paint.
- Be sure to wrap the exterior of the tunnel with insulation for energy savings.



INSULATED GLASS SKYLIGHT LIMITED WARRANTY

Sun-Tek Manufacturing, Inc. ("Sun-Tek") 10303 General Drive, Orlando, Florida 32824, (407) 859-2117, warrants this Skylight on the following terms and conditions: **A. Warranty Coverage:** This warranty applies to both the original purchaser and first consumer-owner of a Skylight made by Sun-Tek. **B. Warranty Duration:** This warranty shall remain in effect for a period of twenty (20) years after the date the Skylight is purchased or the date the Skylight is delivered to the first consumer-owner, whichever is later. During the first ten (10) years of this warranty period, Sun-Tek Industries covers 100 percent of all material cost for the entire unit. After 10 years following the initiation of this warranty, Sun-Tek Industries will cover a pro-rated portion and issue a credit as follows:

Years	Coverage
11 to 13	75 percent
14 to 16	50 percent
17 to 20	25 percent

This 20-year limited warranty applies to glass series skylights only for skylights manufactured after January 1, 1998. For products manufactured before January 1, 1998, the warranty period is 10 years.

C. Warranty Application: This warranty applies only to the materials and fabrication of the Skylight and does not apply to any defect or damage caused by improper use, improper installation, improper care or accident. Glass breakage is not covered. **D. Performance by Sun-Tek:** During the warranty period, Sun-Tek will provide free of charge an equivalent new skylight (or component thereof) for one found to be defective in material or workmanship. Shipping costs of such replacements are not the responsibility of Sun-Tek. Sun-Tek will not be responsible for any costs of removal or re-installation. Condensation or damage caused by condensation is not covered under this warranty. **E. Validation Procedure:** To obtain performance under this warranty, the purchaser must: (1) On installed skylights, contact Sun-Tek for instructions before removing skylight. Removal of skylight from roof before inspection will void warranty. (2) Notify Sun-Tek in writing of any claim within thirty (30) days after the defect is discovered; and (3) Sun-Tek or its authorized agents must examine high quality installed photographs of the subject skylight and determine to its satisfaction whether the defect is covered by this warranty. (4) Present a copy of the receipt as proof of purchase. **F. Implied Warranties:** IMPLIED WARRANTIES, INCLUDING BUT NOT LIMITED TO IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, SHALL NOT EXTEND BEYOND THE DURATION OF THE EXPRESS WARRANTIES PROVIDED HEREIN. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. **G. Incidental or Consequential Damages.** SUN-TEK SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES WHATSOEVER, INCLUDING BUT NOT LIMITED TO LOSS OF TIME OR REVENUE, GASOLINE, TELEPHONE, OR OTHER EXPENSES. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. **H. Exclusive Warranty:** THIS WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES. This warranty gives you specific legal rights. You may have other rights which vary from state to state.