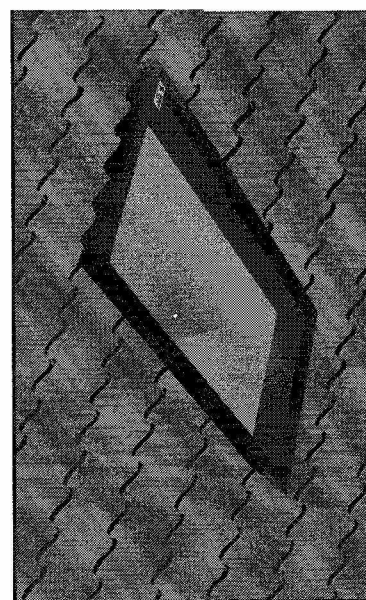


Engineer of Record:
James D. Wells, Jr., P.E.
Florida Professional Engineer
No. 53616

**J & L Wells Consulting
LLC
1345 Unity Court
Casselberry, FL 32707
(407) 496-5489
Certificate of Authorization
No. 27162**



CLEANING YOUR SKYLIGHT:
Use a mild soap and water on

compound, etc. may be removed by rubbing lightly with a soft cloth or cotton ball soaked in mineral spirits.

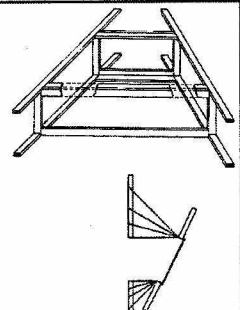
ACCESSORIES:
Skylight Shades - a variety of sizes

building materials dealer or Sun-Tek Manufacturing for details.

LIGHT TUNNEL INSTALLATION INSTRUCTIONS

For homes with an attic, it's 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, and 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.

- 1 After roof and ceiling openings have been framed, measure distance (at each corner of roof opening) between rafters/truss and ceiling joist.
- 2 Using these four measurements, cut 2 x 4 lumber for vertical support members (two per corner).
- 3 In each corner, nail vertical support members into place at right angles to each other.
- 4 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 unmeted 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.
- 5 Caulk the slight gap between the tunnel walls and skylight base.
- 6 Finish off tunnel at ceiling with molding, or blend edges into ceiling with texture paint.
- 7 Be sure to wrap the exterior of the tunnel with insulation for energy savings.



SKYLIGHT LIMITED WARRANTY

[illegible]

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

This project involved several steps: (a) we first placed subjects in a "baseline" condition and then, (b) we placed them in a "load" condition. In the baseline condition, subjects were asked to perform a simple task, such as typing, at a self-selected speed. In the load condition, subjects were asked to perform the same task, but at a faster speed. The difference between the two conditions was the "load" or "stress" placed on the subjects. The results of the study showed that subjects performed better in the baseline condition than in the load condition. This suggests that the "load" or "stress" placed on the subjects during the task had a negative effect on their performance. The study also found that subjects who were asked to perform the task at a faster speed in the load condition experienced more fatigue and discomfort than those who were asked to perform the task at a self-selected speed in the baseline condition. This suggests that the "load" or "stress" placed on the subjects during the task had a negative effect on their physical and mental state. The study was conducted with a group of 20 subjects, and the results were consistent across the group. The study was conducted over a period of 4 weeks, and the results were analyzed using statistical methods. The study was funded by the National Institutes of Health, and the results were published in a peer-reviewed journal. The study was conducted by a team of researchers from the University of California, and the results were used to inform the design of a new task-based training program. The study was a randomized controlled trial, and the results were statistically significant. The study was conducted with a high level of rigor, and the results were reliable. The study was a valuable contribution to the field of human factors, and the results were used to inform the design of a new task-based training program. The study was a well-designed and well-executed study, and the results were informative. The study was a valuable contribution to the field of human factors, and the results were used to inform the design of a new task-based training program. The study was a well-designed and well-executed study, and the results were informative. The study was a valuable contribution to the field of human factors, and the results were used to inform the design of a new task-based training program.

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.

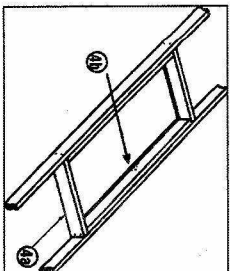
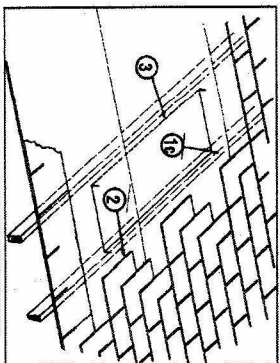
SIZE INFORMATION

Size Code	Roof Opening	Finished Opening (Jyrrall Dimension)	Fits on Center Scaffolding	Fastener Per Top & Bottom	Fastener Per Side
446	111 1/2" x 113"	107 1/2" x 108"	16"	3	3
1422	111 1/2" x 119 1/2"	107 1/2" x 109 1/2"	16"	3	3
1430	111 1/2" x 127 1/2"	107 1/2" x 117 1/2"	16"	3	3
1466	111 1/2" x 143 1/2"	107 1/2" x 142 1/2"	16"	3	3
1725	141 1/2" x 121 1/2"	131 1/2" x 121 1/2"	16"	3	3
1733	140 1/2" x 130 1/2"	130 1/2" x 129 1/2"	16"	3	3
1748	140 1/2" x 146 1/2"	131 1/2" x 146 1/2"	16"	3	3
2222	19 1/2" x 19 1/2"	18 1/2" x 18 1/2"	2 1/2"	3	3
2230	18 1/2" x 27 1/2"	18 1/2" x 27 1/2"	2 1/2"	3	3
2246	19 1/2" x 43 1/2"	18 1/2" x 42 1/2"	2 1/2"	4	4
2269	19 1/2" x 66 1/2"	18 1/2" x 65 1/2"	2 1/2"	N/A	N/A
2525	22 1/2" x 21 1/2"	21 1/2" x 21 1/2"	2 1/2"	3	3
2533	22 1/2" x 30 1/2"	21 1/2" x 30 1/2"	2 1/2"	3	3
2540	22 1/2" x 46 1/2"	21 1/2" x 46 1/2"	2 1/2"	4	4
3030	27 1/2" x 27 1/2"	26 1/2" x 26 1/2"	16" or 32"	3	3
3046	27 1/2" x 43 1/2"	26 1/2" x 43 1/2"	16" or 32"	4	4
3069	27 1/2" x 66 1/2"	26 1/2" x 66 1/2"	16" or 32"	N/A	N/A
3333	30 1/2" x 30 1/2"	29 1/2" x 29 1/2"	16" or 32"	3	3
3349	30 1/2" x 46 1/2"	29 1/2" x 46 1/2"	16" or 32"	3	3
4649	43 1/2" x 66 1/2"	42 1/2" x 66 1/2"	16" or 24" or 48"	N/A	N/A
4849	46 1/2" x 66 1/2"	45 1/2" x 66 1/2"	16" or 24" or 48"	N/A	N/A
5576	52 1/2" x 73 1/2"	51 1/2" x 72 1/2"	15" or 24" or 48"	N/A	N/A

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. • Interior wood liner should be stained or painted before installation.

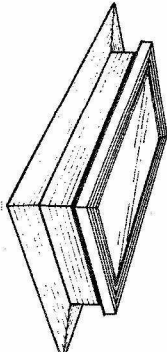
- 1 To properly position skylight between trusses/rafters, locate the roof opening from the underside of the decking. (If this area is not accessible, locate then ceiling joists from inside the house, mark opening in ceiling (a-c), and cut ceiling opening. Then follow steps below for roof opening.)
 - a) measure distance between trusses/rafters and mark center point.
 - b) to center skylight, measure one-half of appropriate roof opening to each side of center point and mark.
 - c) using the side marks as a guide, mark corners by drilling holes or driving nails through roof.
- 2 Remove shingles 6 - 8' out from roof opening.
- 3 Cut roof opening (snap a chalkline from corner to corner, or draw line with a straightedge.)
- 4 Frame roof opening:
 - a) cut two 2 x 4's to fit the actual distance between trusses/rafters and nail into place. **NOTE: Size 2x25, 2x49, 3x33, 3x49, 4x94 Skip step "b" proceed to "c"**
 - b) cut two 2 x 4's to the exact length of the roof opening and nail to the trusses/rafters.
 - c) if applicable, cut ceiling opening and build tunnel framing. (See "Light Tunnel Installation Instructions.")



INSTALLATION INSTRUCTIONS

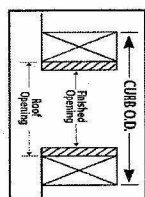
Glass Series
MODEL TG

Minimum 3:12 pitch required.

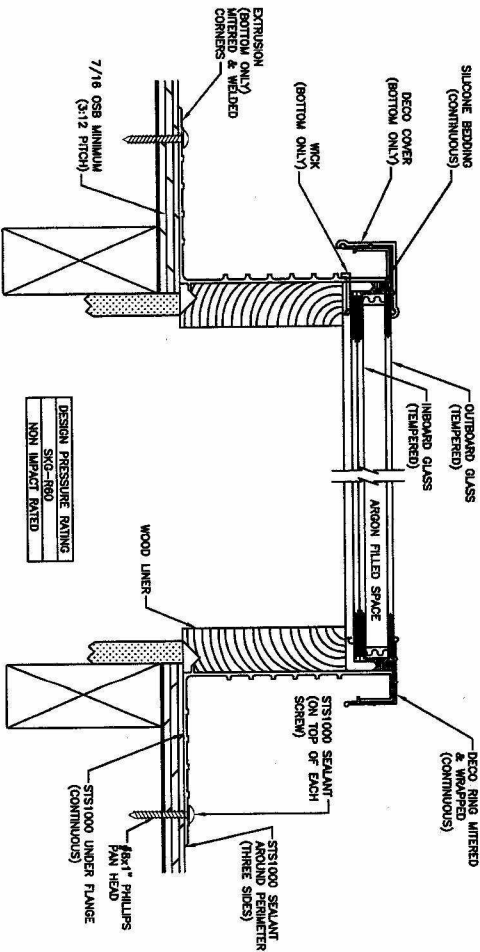
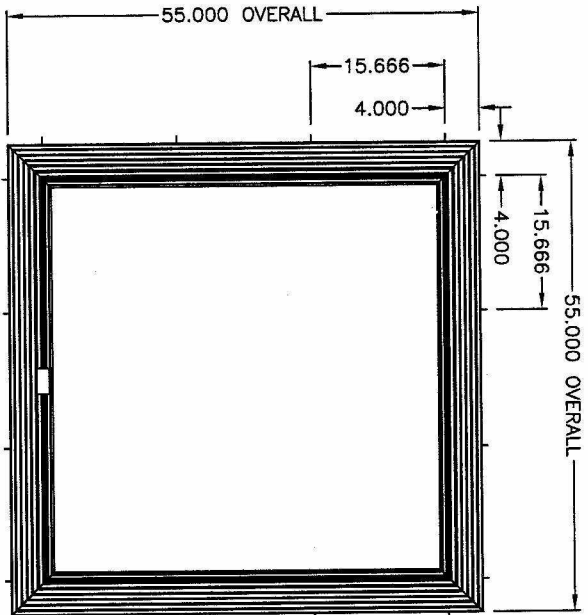
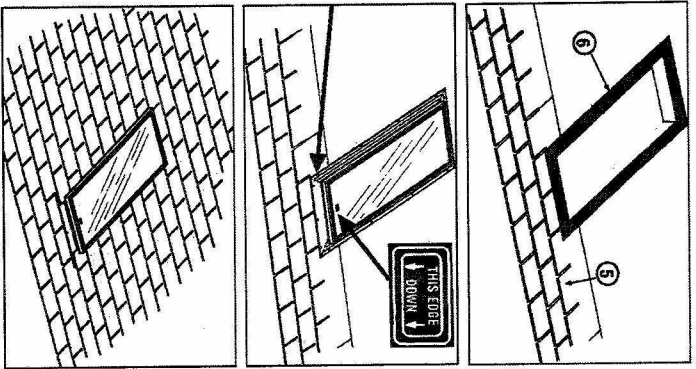
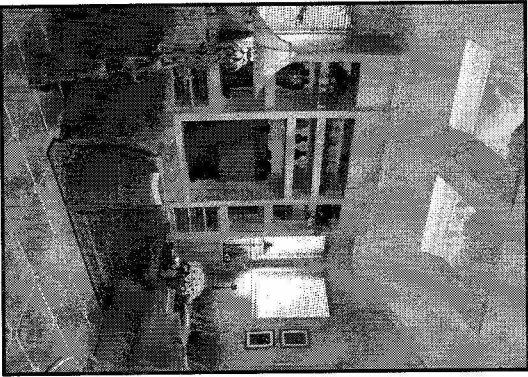


You will need:

- 2 x 4s
 - nailmin
 - keyhole saw
 - skill saw
 - nails
 - drill
 - 2 x 4s
- For Light Tunnel:**
- 8 or 10 penny nails
 - plywood or drywall
- RECOMMENDED SEALANTS:**
- Non-hardening roof cement
 - Butyl rubber sealant/caulk
- ETC 7000 Gun, The Revolution



- 5 Shingle up roof to bottom of roof opening.
- 6 Apply approved sealant in a 3" wide band around the entire opening.
(Caulking: Apply 3/8" beads one inch apart or 3" x 1/8" butyl tape.)
- 7 Center skylight to cover all aluminum from inside exposure. Set skylight over opening. The label "This Edge Down" should be at the bottom of the opening. This insures proper functioning of the condensation wick.
Fasten the skylight to the roof using #8 x 1" pan head screws (see fastener schedule). The screws should be stainless steel, galvanized or zinc plated for resistance to corrosion. Use the pre-drilled holes for the fasteners. Place a large bead of sealant at the joint between the flange and the roof deck. Also, seal the head of each fastener.
IMPORTANT: Bottom flange of skylight MUST go on top of shingles.
- 8 Now shingle up sides and across top. Place shingles, as far in as possible, but be careful not to nail through skylight flange.
DO NOT place any sealant on the top side of the skylight flange! Sealant in this area will block the water diversion channels on the flange.
- 9 Bottom flange will still be exposed; we recommend leaving it this way. If you decide to put a "false shingle" over it, be careful not to nail through skylight flange.



J & L Wells Consulting LLC
1345 Unity Court
Casselberry, FL 32707
(407) 496-5489

Engineer of Record:
James D. Wells, Jr., P.E.
Florida Professional Engineer No. 53616

519109