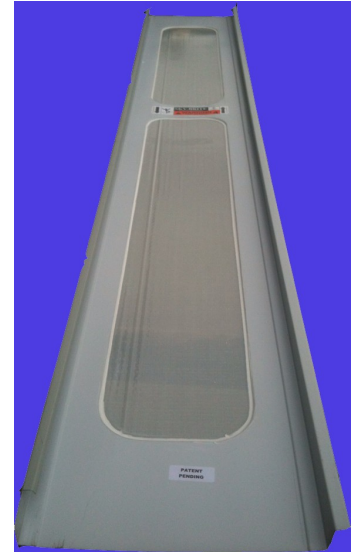
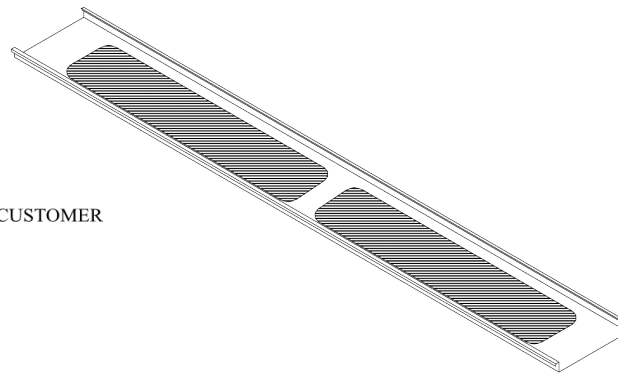
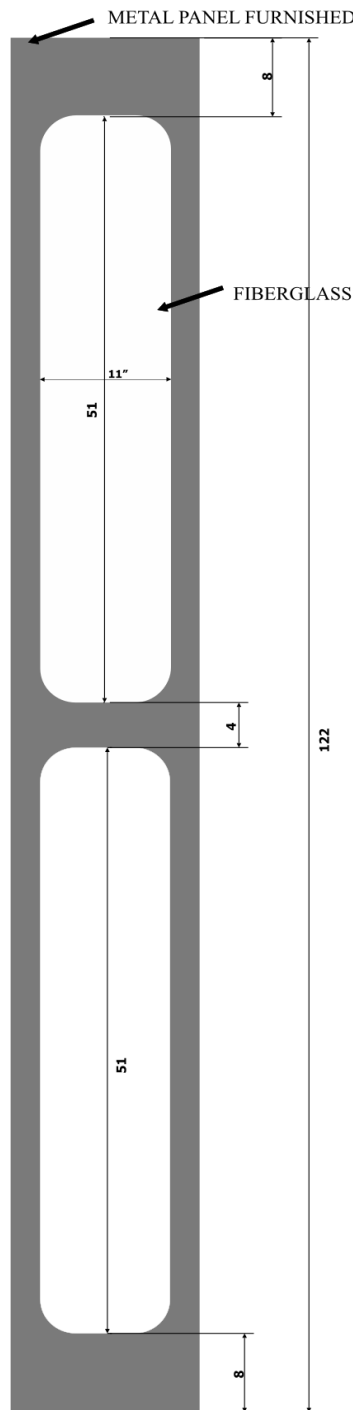


16" ARCHITECTURAL INSULATED BONDED SKYLIGHT



Note:

It is the users responsibility to ensure that the installation and use of all light transmitting panels comply with State, Federal and OSHA regulations and laws, including, but not limited to, guarding all light transmitting panels with screens, fixed standard railings, or other acceptable safety controls that prevent fall-through.

SKY-BRITE is built using only three different products with **no penetrations** and sufficient lapping to allow for complete perimeter sealing.

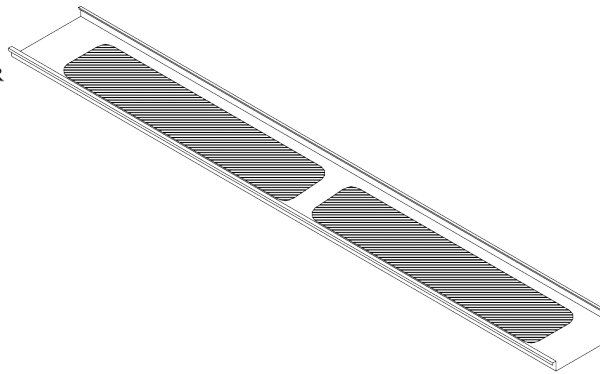
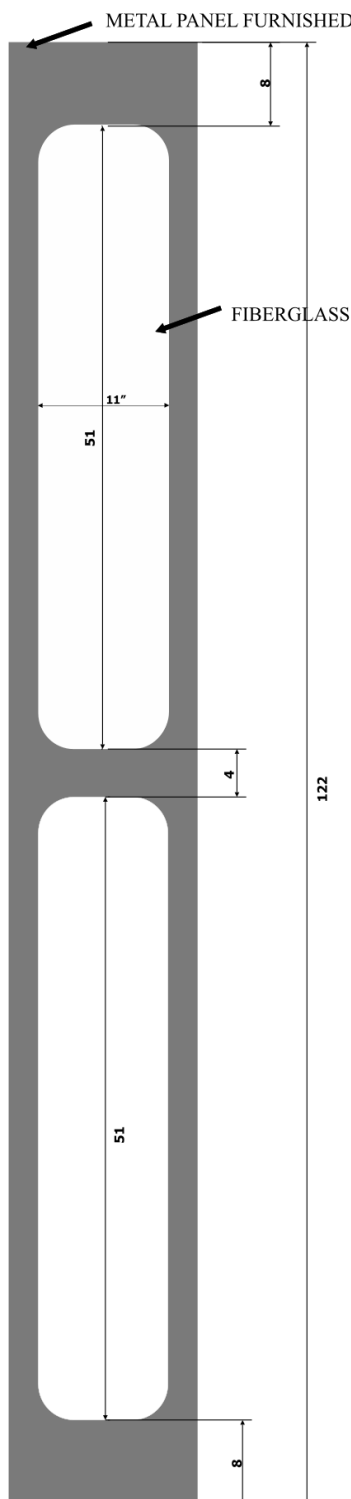
The **SKY-BRITE** is an assembly that consists of a customer's metal panel with precision windows cut out, a translucent light transmitting panel and a very high tech bonding system that allows for free movement of the metal panel and the translucent panel. These translucent panels are designed to conform to the metal panel so as to alleviate any possibility of water penetration. The sides have a three-inch barrier, the ends have a two-inch barrier and the center has a bonding area the size of the cross support. We then finish the system by applying a second adhesive to the inner perimeter of the window cut outs.

SKY-BRITE is built as an insulated system and a non-insulated system. The benefit of the insulated system is primarily dedicated to stop condensation from migrating from the top sheet to the bottom panel.

SKY-BRITE does not require the reinforcement channels that older systems require. This is the result of the proprietary design of the laminated system.



16" ARCHITECTURAL NON—INSULATED BONDED SKYLIGHT



Note:

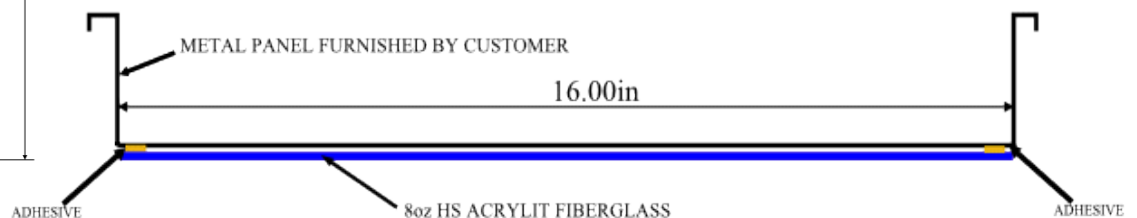
It is the users responsibility to ensure that the installation and use of all light transmitting panels comply with State, Federal and OSHA regulations and laws, including, but not limited to, guarding all light transmitting panels with screens, fixed standard railings, or other acceptable safety controls that prevent fall-through.

SKY-BRITE is built using only three different products with **no penetrations** and sufficient lapping to allow for complete perimeter sealing.

The **SKY-BRITE** is an assembly that consists of a customer's metal panel with precision windows cut out, a translucent light transmitting panel and a very high tech bonding system that allows for free movement of the metal panel and the translucent panel. These translucent panels are designed to conform to the metal panel so as to alleviate any possibility of water penetration. The sides have a three-inch barrier, the ends have a two-inch barrier and the center has a bonding area the size of the cross support. We then finish the system by applying a second adhesive to the inner perimeter of the window cut outs.

SKY-BRITE is built as an insulated system and a non-insulated system. The benefit of the insulated system is primarily dedicated to stop condensation from migrating from the top sheet to the bottom panel.

SKY-BRITE does not require the reinforcement channels that older systems require. This is the result of the proprietary design of the laminated system.



TECHNICAL DATA SHEET
GLASTEEL Acrylit_{GC} HIGH STRENGTH FIBERGLASS PANELS

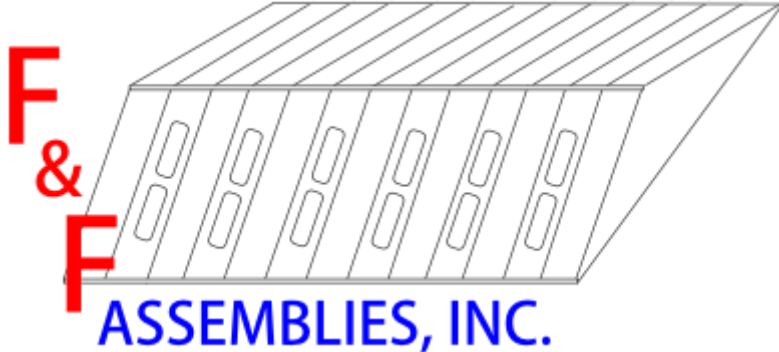
Product Description: Consisting of an 8 oz. 100% Acrylic Translucent panel
Woven Roving Strand combined with chopped strand Fiberglass Reinforcement
PHYSICAL PROPERTIES

Property	ASTM STD.	Typical Values
TENSILE STRENGTH	D-638	25,772 psi.
TENSILE MODULUS	D-638	1.52 X10 ⁶ psi
FLEXURAL STRENGTH	D-790	24,306 psi.
FLEXURAL STRENGTH	D-790	0.79 X10 ⁶ psi.
COMPRESSIVE STRENGTH	D-695	28905 psi.
SELF-IGNITION TEMPERATURE	D-1929	GREATER THAN 650 ⁰ F.
SMOKE DENSITY	E-84	<450
COMPRESSIVE MODULUS	D-695	105 x 10 ⁶ psi
BURNING RATE	D-635	<2.5 in / min.
UNIFORM BUILDING CODE		
CLASSIFICATION	D-635	CC2
BARCOL HARDNESS	D-2583	40-50
LIGHT TRANSMISSION	D-1494	77.12
U FACTOR/ SINGLE SHEET	NFRC 102-2004	1.08 BTU / Hr ft ² F
U FACTOR/ DOUBLE SHEET	NFRC 102-2004	.61 BTU / Hr ft ² F
R FACTOR/ SINGLE SHEET	Calculated	0.92592593
R FACTOR/ DOUBLE SHEET	Calculated	1.6393443
LINEAR THERMAL EXPANSION	D-638	1.9 X 10 ⁻⁵ in./in./ ⁰ F
BEARING STRENGTH	D-953	24.8 ksi (3.889
WATER ABSORBTION	D-570	0.25% @72 ⁰ F / 72hrs.
SOLAR HEAT GAIN/ SINGLE SHEET	NFRC 201-2004	0.45
SOLAR HEAT GAIN / DOUBLE SHEET	NFRC 201-2004	0.35
SOLAR ABSORBANCE	E-903	77.73
REFLECTANCE AND EMMITANCE	E-1371 / E-1918	.58 / .91
IZOD IMPACT	D-4812	18.59 Ft-lb / in ²
LUMINEOUS TRANSMITTANCE / SINGLE SHEET	D1003-07	77.18%
LUMINEOUS TRANSMITTANCE / DOUBLE SHEET	D1003-07	60% Calculated
HAZE	D1003-07	112.78%

Tolerances:

PANEL WEIGHT-----+/- 10%
RIB HEIGHT-----+/- 1/16th
LENGTH----- +/- 1/8th
WIDTH-----+/- 1/8th
SQUARENESS-----+/- 1/8th

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SKY-BRITE WARRANTY

Specific Use Warranty *“ONE Year Limited Commercial Warranty”*

This warranty applies to F & F Assemblies’ proprietary SKY-BRIGHT ^{Patent Pending} produced with smooth surface both sides sold for the express use as Light Transmitting panels for roofing applications for pre-engineered buildings for Commercial, Industrial and Agricultural use.

This warranty specifically precludes any attachments to the light transmitting panel including insulated panel assemblies.

WARRANTY COVERAGE

F&F Assemblies offers to commercial users /owners /buyers for resale only, a commercial warranty on SKY-BRIGHT ^{Patent Pending} panel assemblies for a period of ONE (1) year from the date of purchase that the panels will meet the following:

1. Be manufactured with quality adhesives, Polyester or Acrylit fiberglass and other necessary chemistry
2. Be produced to uniform standards for thickness and weight
3. Be produced to configuration standards as set forth by Building Manufacturer.
4. Meet all requirements set out by ASTM D3841-86 (Specification for standard fiberglass panel construction).
5. Contain Acrylit_{GC} (If Specified) with a warranty against yellowing or fiberbloom and minimum loss of light transmission of not more than 8% over the ten year period (Glass warranted by Glasteel directly).
6. This warranty, on assembly only, is for repair or replacement of assembly only, at the discretion of F & F Assemblies management only.
7. This warranty is negated by any miss-handling or the incorrect installation in a manner other than that specifically set out by the metal building manufacturer, for which this assembly is designed.
8. This warranty is exclusive to light transmitting panel assemblies and does not cover any losses incurred as a result of failure of these light panel systems and excludes labor or other replacement costs other than the SKY-BRITE assembly itself.
9. Snow Loading- Roof snow accumulations in excess of specified project design loading criteria can cause significant distress to the Light Panel Assembly. Since the density of snow varies depending upon weather conditions during and after a snow fall, it is not possible to determine a single value for the allowable height of snow that a building can safely support. In addition, the underlying snow density increases due to melting from the building heat loss and as water is absorbed from the melting snow above. As weather and temperature changes continue, ice may build up under the snow layers, further increasing the building roof loading intensity. This ice build up also causes additional water back-up on the roof deck. The most severe condition occurs when rain falls on a roof system already loaded by snow. In this case, the snow absorbs the rain water, and loads can approach the weight of water (62.4 pounds per cubic foot, or 5.2 pounds per inch of depth). This condition must be monitored with extreme caution. F & F Assemblies will not be responsible for any damage related to this issue.
10. Repair or replacement of product claimed to be defective, is to be determined at the sole discretion of F&F assemblies.