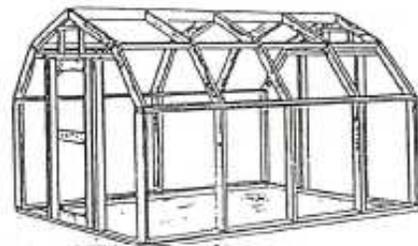
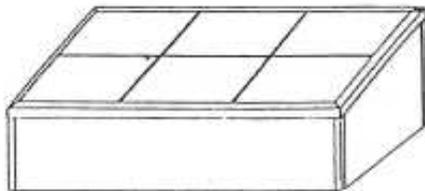
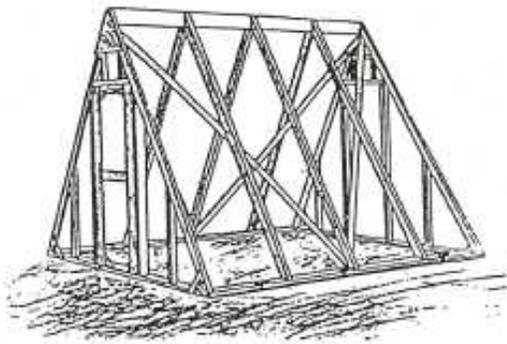


LOWCOST GARDENING and SOLAR PROJECTS

using **Sun-Lite® HP**

solar glazing




Solar Components Corporation
121 Valley Street Manchester, NH 03103-6211

Visit our full color website @
WWW.SOLAR-COMPONENTS.COM

Solar Components Corporation is proud to offer
Sun-Lite® HP for the 1990's!

Sun-Lite® HP

Glass Fiber Reinforced Polymer

Molecularly Engineered to Perform in Solar Applications

LOOK AT THESE FEATURES!

- Shatter-proof
- Lightweight
- Easily handled
- Easily cut with hand tools
- Easily fastened with nails or screws
- Low expansion coefficient
- Low cost
- Excellent moist heat resistance
- Excellent dry heat resistance
- Excellent U.V. resistance
- High solar energy transmission
- Highly Durable
- High impact resistance

Sun-Lite® HP is ideal for all solar glazing applications where maximum continuous operating temperatures are 212°F or less; however, short term exposure up to 300°F can be tolerated but is not recommended for maximum lifetime of the material.

Long term exposure to temperatures in excess of 212°F should be avoided by the use of shading or venting devices. Solar collectors should be protected against stagnation temperatures (no air or water flow through collector) in order to prevent

premature degradation of the collector construction materials such as absorber paints, sealants, insulation, transfer fluids and glazing. Designing collectors for stagnation conditions requires a thorough understanding of component material properties and are generally much more costly to construct and maintain.

For passive, hybrid, and state-of-the-art flat plate designs with controlled stagnation and low to medium temperature conditions, **Sun-Lite® HP will perform!**

Ideal for Greenhouses too!

The spectral performance of Sun-Lite is very favorable to plant growth and development in the three important ranges of ultra-violet, visible, and infra-red transmission.

Sun-Lite transmits ultra-violet in the .33 to .38 micron range (from about 5% at .33 to 85% at .38). It screens out the harsh UV rays which cause stem elongations, collapse, and discoloration. The transmitted UV helps control viral and bacterial populations.

Sun-Lite transmits over 90% of the available energy in the visible range (.38 microns to .76 microns). This portion of the spectrum, and especially the red and blue sections, is essential to the process of photosynthesis by which plant cells change carbon dioxide and water into sugar in the presence of chlorophyll. Low intensity light and darkness upset this process and lead to partially developed stems, leaves, and tissue.

Sun-Lite transmits most of the short wave infra-red (.76 to 2.2 microns) and blocks most of the long wave infra-red energy (2.2 to 50 microns). The short wave infra-red energy provides heat which helps create optimum temperature for seed and plant growth by heating the air and soil surrounding the plants. Short wave IR is usually converted to long wave IR when it strikes an object. By blocking most of the long wave IR, the Sun-Lite is helping to keep the heat in the greenhouse. The "greenhouse effect" is particularly desirable in the winter time use of a Sun-Lite greenhouse.

Sun-Lite fiberglass for greenhouse glazing provides the excellent diffused light which completely floods the inside of the growing area. Well-shaped, symmetrical plants which grow faster with greater size, uniformity, and quality result from the diffused light which is free of shadows, glare, sun-shafts and hot spots. The need for frequent re-racking is eliminated as the light reaches all corners, under rafters, even under benches.

The Sun-Lite® Story

Over 15 years ago, Kalwall Corporation (our sister company) recognized the need for a lightweight, shatter-resistant, low cost solar glazing material that could be easily handled, cut and installed. Thus began the development of Sun-Lite®, a real alternative to glass and commodity grade plastics for the solar industry.

Thousands of do-it-yourselfers, builders and solar manufacturers throughout the world have used Sun-Lite® (Regular, Premium and Premium II) over the past 12 years. Because Solar Components is a **solar** company, rather than a **plastics** company, we have maintained surveillance on hundreds of solar projects, under widely varying conditions. Real world experience has shown that a solar glazing material must be highly resistant to moist heat, ultraviolet and dry heat degradation to provide long term performance.

Kalwall, based upon its many years of experience and successful development of previous Sun-Lite® formulations, has now finished development on an entirely new solar glazing material **engineered** to perform in solar applications ... Sun-Lite® HP.

Sun-Lite® HP is the only non-glass glazing alternative that has been **engineered** to resist the causes of severe molecular deterioration fatal to other plastics commonly used on solar greenhouses, Trombe walls, water walls, solar attics, and site or factory built air and water heaters.

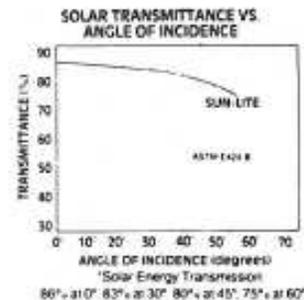
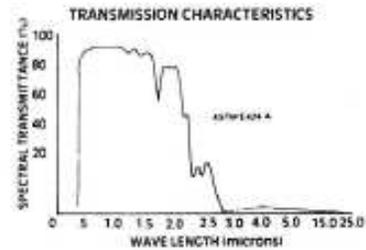
**Sun-Lite® is the registered trademark
of the Kalwall Corporation**



TECHNICAL SUMMARY

Transmission characteristics after aging will vary depending upon actual exposure conditions. In properly designed and maintained solar devices, Sun-Lite® HP is expected to retain in excess of 90% of its original transmission over a 15-20 year lifetime. No other polymer based material can compare to Sun-Lite® HP!

AVERAGE PHYSICAL PROPERTIES	METHOD	UNITS	040 SUN-LITE HP
Solar Energy Transmittance	E424 Method B	%	86%
Heat Transmittance	5-50 Microns	%	less than 5%
Index of Refraction	D542	Ratio	1.55
Tensile Strength	D638	PSI	10,000
Flexural Strength	D790	PSI	17,150
Flexural Modulus	D790	PSI x 10 ⁸	1.0
Shear Strength	D732	PSI	12,800
Izod Impact	D256	FT. LB. IN.	4.89
Water Absorption	D570	% by wt.	0.60
Thermal Expansion	D696	(In. In. °F) x 10 ⁻⁵	1.36
Thermal Conductivity, k	C177	BTU IN.-IN. ² °F IN. THICKNESS	0.713
Specific Heat	C-351	BTU LB. °F	0.318
Specific Gravity	D792	Ratio	1.324
Weight	ASTM D3841	Oz. Ft. ²	2.8-4.7
Thickness	ASTM D3841	Inches	.040 .060
Burn Rate	D635	In. Min.	<2.5



Impact Resistance: as with many fiberglass reinforced materials, impact strength is not expected to decrease with age. Sun-Lite® HP has an initial impact strength over 28 foot lbs. for a .040" thickness.

Combustibility Characteristics: ignition temperature above 650° F and a burn rate well under 2.5" per minute give this material unique combustibility characteristics among fiberglass reinforced materials as well as being approved plastic glazing material under Major Model Building Codes (CC-2).

Transverse Load Deflection: Sun-Lite® HP deflects less than 1.0" with a 180 P.S.F. load by ASTM D-1502-60. Sun-Lite® HP must be properly installed and fastened — see Installation Suggestions.

Thermal Shock: after repeated cycles of thermal shock (350° F to 32° F.) no harmful effects were observed.

NOTE: All data presented is the most recent available at the time of printing, and is subject to change without notice.

Sun-Lite® HP Installation Suggestions

Provision should be made to be sure the Sun-Lite® HP will carry the design load, remain weathertight, accommodate thermal expansion and be aesthetically acceptable. Load capacity is determined by sheet thickness and rafter, purlin, girt or stud support spacing. Suggested spans are shown in Table 1. Suggested minimum roof pitch is 2":12". When overlapping Sun-Lite® HP sheets, a minimum of 1 1/2" lap on sides and ends is suggested. This overlap will allow fastening two sheets with a single fastener and maintain the proper edge distance to prevent the fastener tear-out.

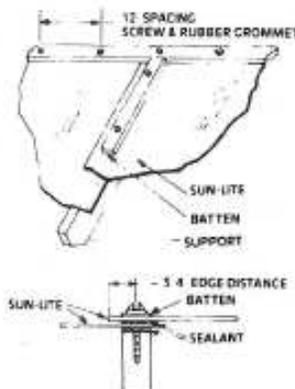
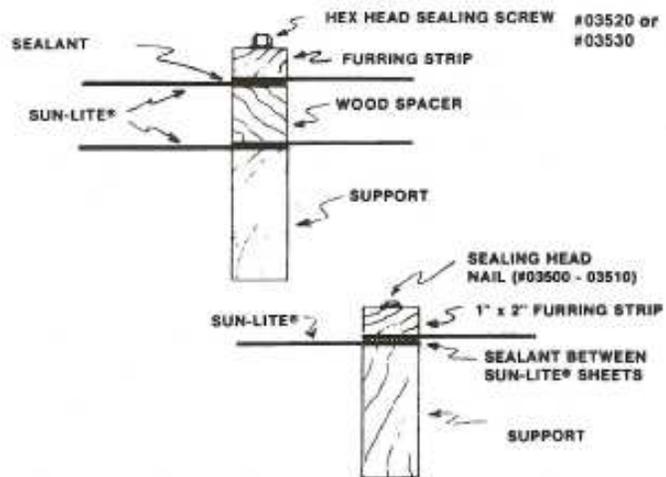
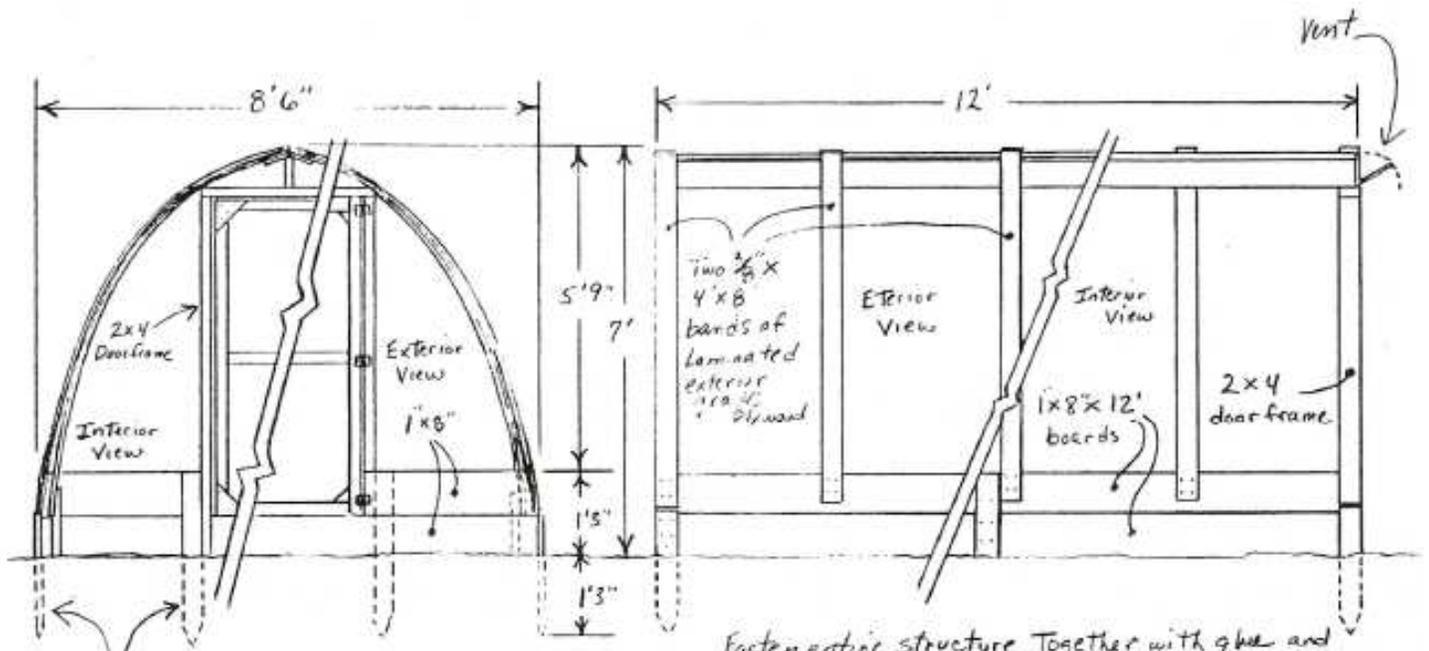


TABLE 1

Sun-Lite® HP Thickness	Suggested Span
.040	24"
.060	30"

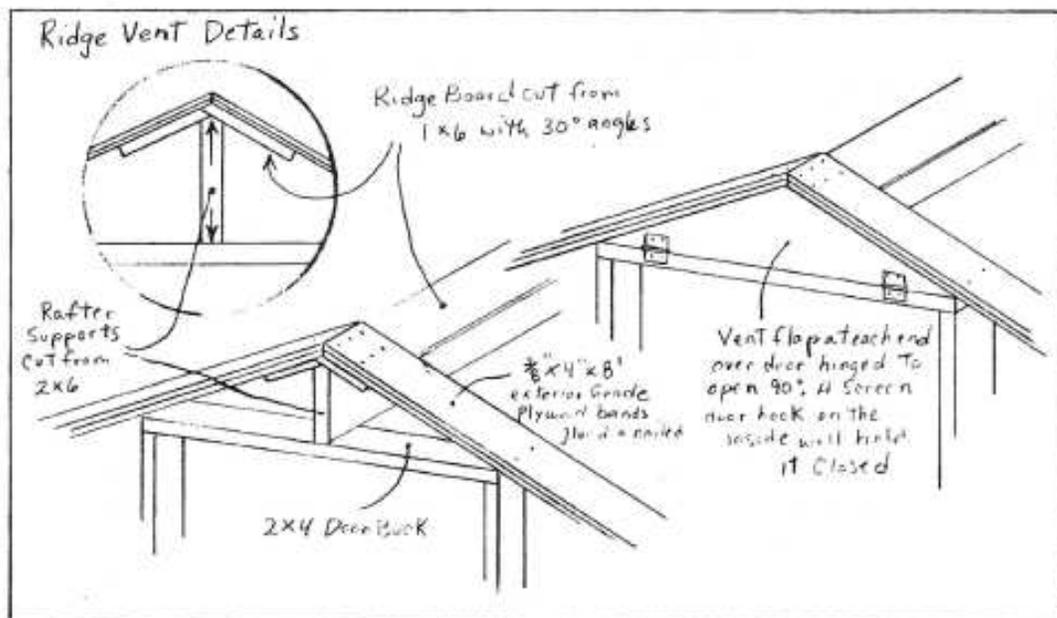
Sun-Lite Glazing Material

GOthic ARCH GREENHOUSE



2x4 stakes at corners and door frames

Fasten entire structure together with glue and galvanized wood screws unless otherwise noted.
 Cover with 3' wide x 0.040 Sunlite HP glazing using Sunlite HP Installation Suggestions.
 Double glaze for extended use in Northern Climate.



An attractive and efficient design, the **Gothic Arch Greenhouse** is also light enough to be moved if need be. Covered with Sun-Lite HP it will give you many years of use for a modest investment.

Using 1 by 8s stacked two high and cleated together, make a frame measuring 12' long and 8' 6" wide. For the arches, cut 20 strips, 4" wide x 8' long from 3/8" exterior grade plywood.

The next step is to frame the support walls and doors. At each end cut an opening 2' 9" wide in the center of the top board frame.

Notch two 6' lengths of 2x4 to fit flush with the bottom of the frame. Nail on a 2' 9" doorbuck at the top and then nail each door in position.

For the ridge board, cut a 30-degree angle on each side of a 12' length of 2x6 and toenail it in place on the center of the door buck. To each side of the ridge board, nail a 1x6, 12 feet long. This forms the support for the bands of plywood rafters.

Attach the rafters to the ridge line with galvanized wood screws, and nail and glue them to the frame. Start at one end with the band nailed and glued on the inside only. Curve it over the door frame and nail it there before screwing it into the ridge boards. Now nail and glue the outside flap to the frame. Complete both ends and then finish at the middle supports.

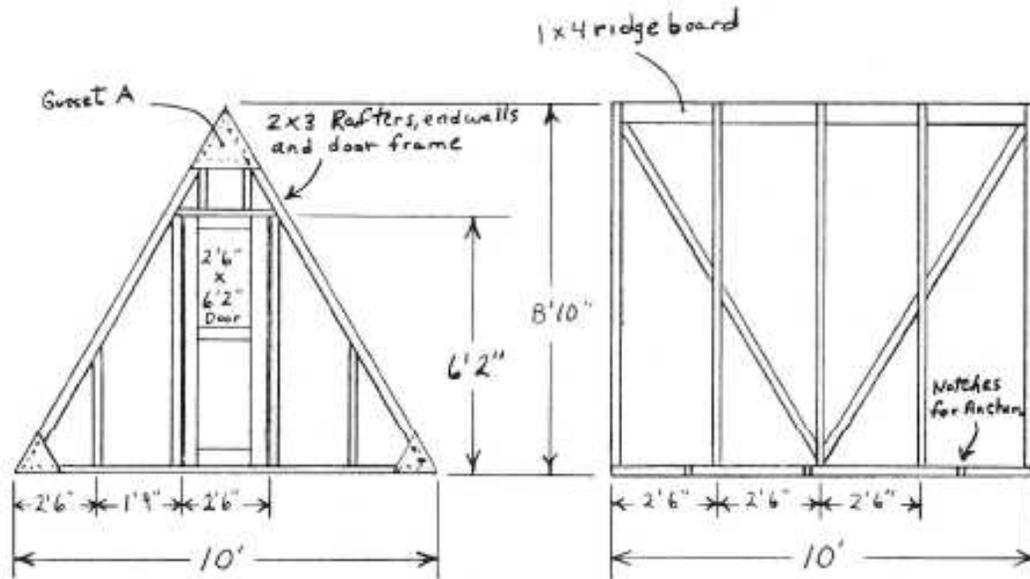
Cut pieces of 3/8" exterior-grade plywood to fit the gable openings above the doors. Attach them with hinges so they can be opened for added ventilation.

The doors are made from 2x2s with one cross brace at the center. Triangular plywood braces, or gussets, at each corner give added strength. The doors should swing out to save space, and they should be hinged so they will not open in the direction of the prevailing wind.

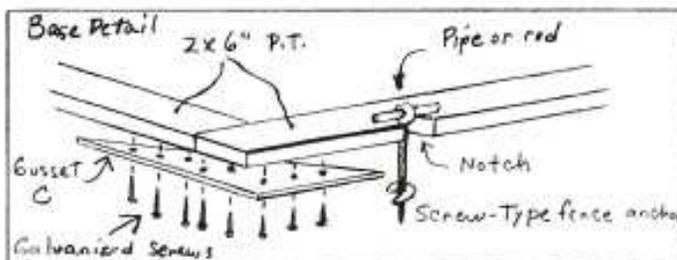
In windy areas anchor the greenhouse to the ground. After setting the greenhouse in desired location, drive two stakes 18 inches into the ground on each side of the door and two on each side of the framework. Fasten the stakes to the frame with wood screws.



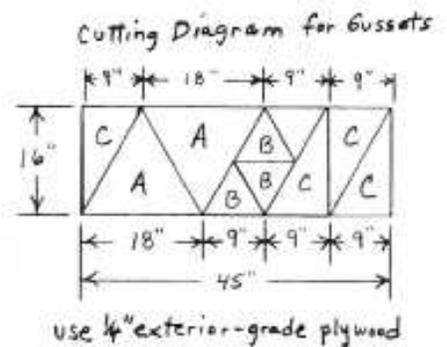
A-FRAME GREENHOUSE



Cover entire structure with 5' wide .040 Sunlite HP using Sunlite HP Installation Suggestions.



For a more permanent installation sink anchor into concrete. Use pressure treated 2x6" for Base.



No warranty is expressed or implied. Drawings are for conceptual purposes only.

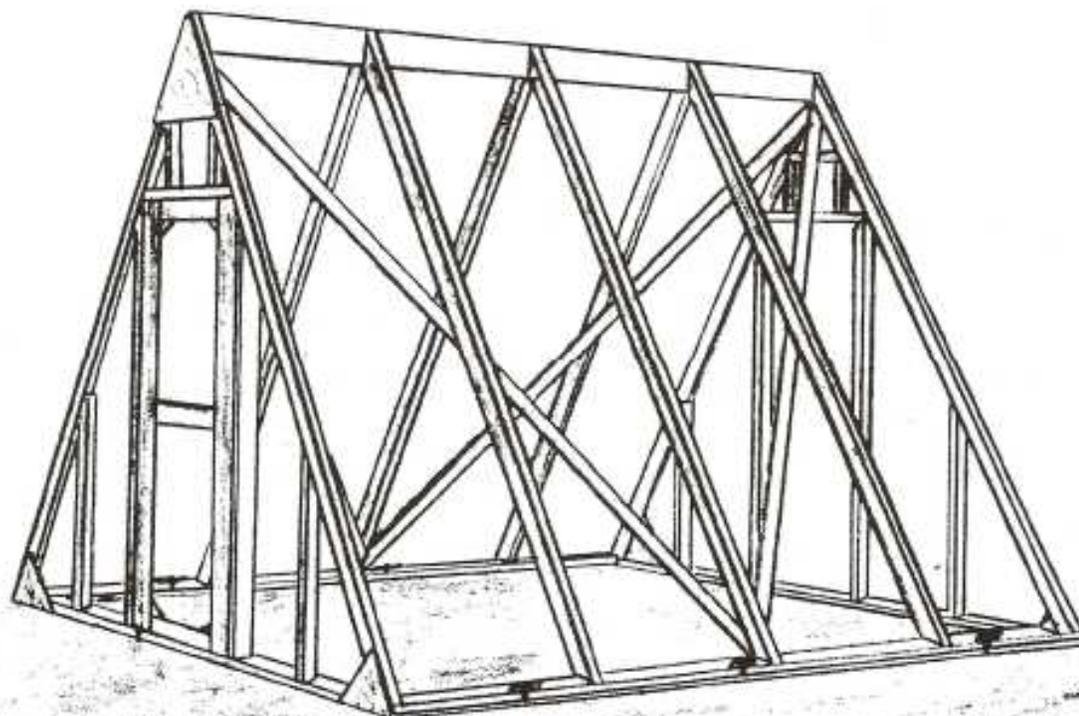
The chief advantage of the **A-Frame Greenhouse** lies in its easy construction. Also, the steep roof sheds snow efficiently. This model is relatively small and lightweight; it can be considered portable, although several strong people are needed to move it. For more permanence, the greenhouse can be placed on a conventional foundation.

The greenhouse sits on a 10- by 10-foot base. You will need four 2x6s, 10 feet long, to construct this bottom support. Fifteen 2x3s, 10 feet long, are needed for the rafters and end walls. (If 2x3s are not available, you can substitute 2x4s.) The ridge board and doors are made from 1x4s.

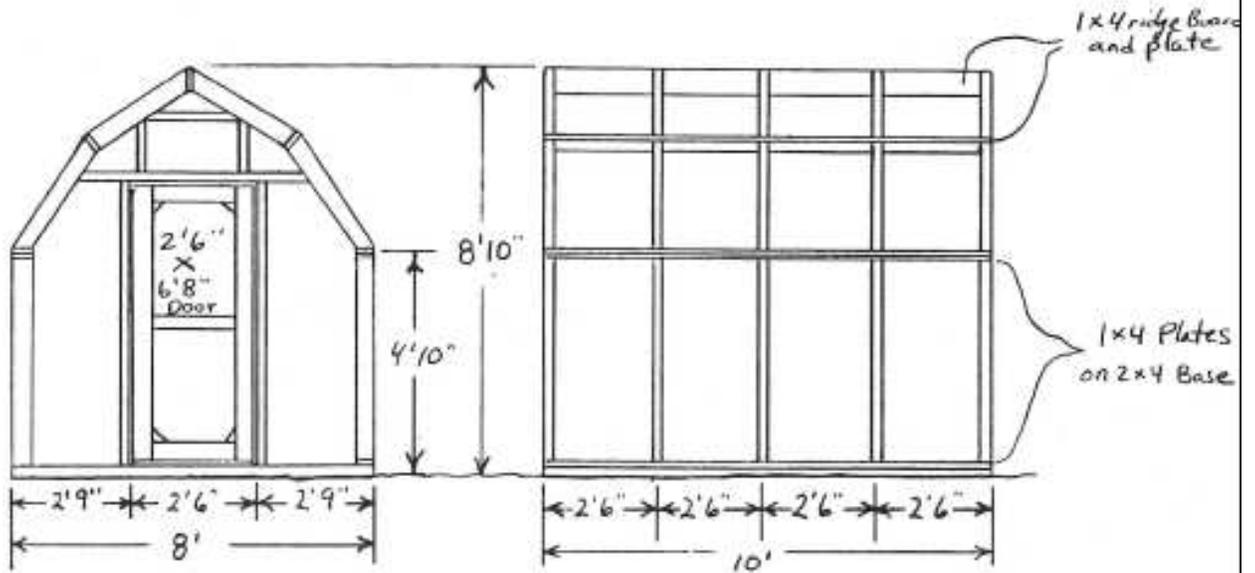
Assemble the frame, using pre-cut plywood gussets at the corners. Cut one rafter to fit at the proper angle and use it as the pattern for the other nine rafters. Build one wall with the 1x4 ridge board nailed to it, then stand and brace that wall in place. Then nail the other five rafters in place. With the whole structure still braced, nail the diagonal braces. Finish the end walls.

To provide proper venting, frame in our 10" exhaust fan catalog #09360 and return vent #09170 at the opposite end of the greenhouse.

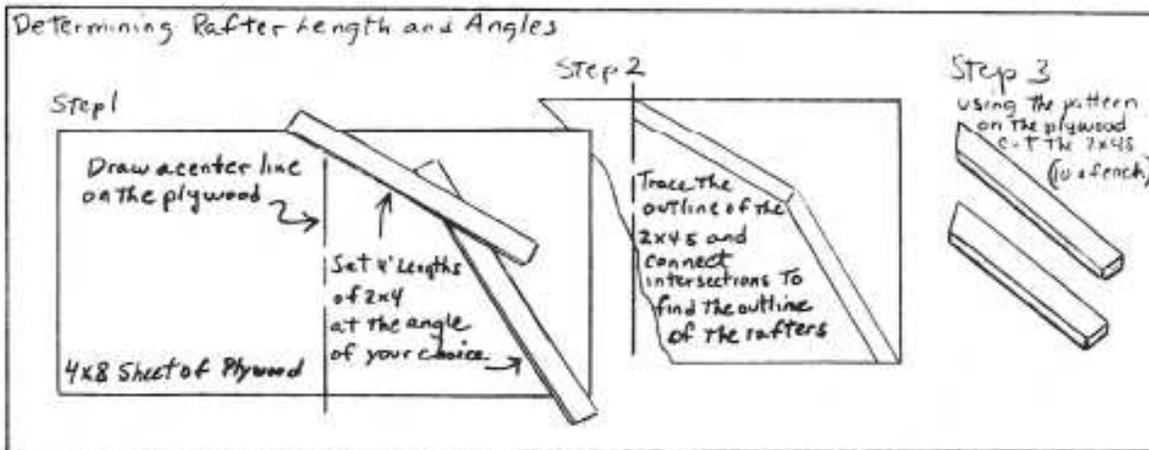
Securely anchor the greenhouse to the ground. One method is to use a screw-type fence anchor set into notches cut in the base and held with short pieces of reinforced rod, or rebar, pushed through the screw eye.



GAMBREL GREENHOUSE



Single glaze or double glaze with Sunlite HP Sunde
 Insulate north side with our angel hair
 insulation #19030.



No warranty is expressed or implied.
 Drawings are for conceptual purposes only.

Built similarly to a barn, the **Gambrel Greenhouse** has considerable structural strength and is excellent in regions with heavy snowfall. Erected in sections, it lends itself readily to 5' wide Sunlite HP. The key to building this lightweight, 8'x 12' greenhouse is finding and cutting the proper angles for the roof.

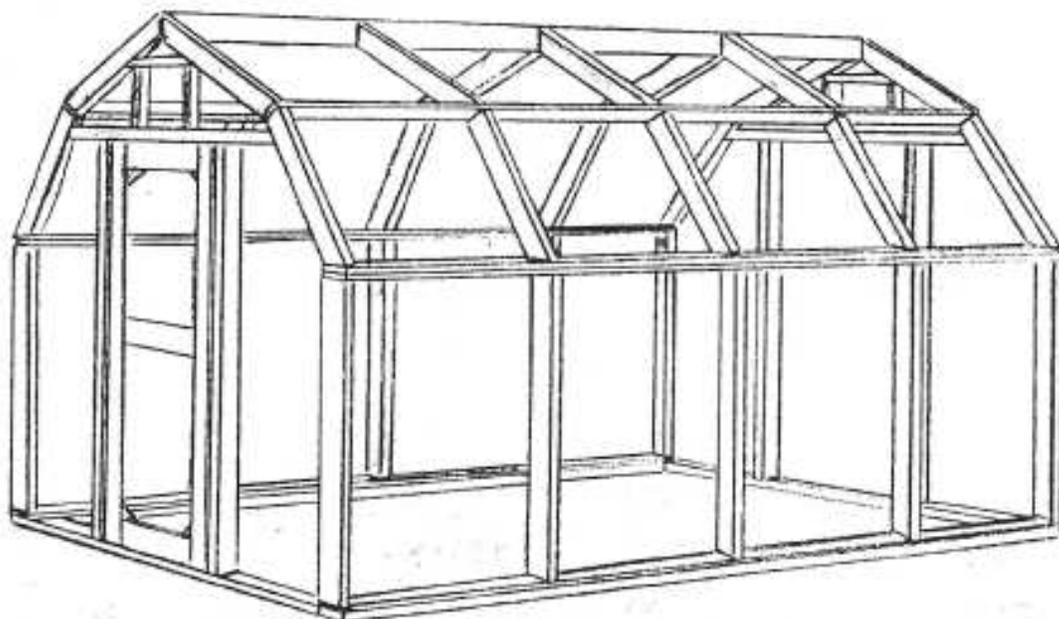
If you live in a dry climate, the greenhouse can go directly on the ground, although it is better to place it on a conventional foundation. Once the sill is in place, build the two sidewalls, making them 4 feet 10 inches high so that a 5' length of rigid plastic siding will completely cover the bottom sill.

Find the angles for the rafters with a sheet of 4x8 plywood. (The 8' represents the width of the greenhouse.) Draw a line down the center of the plywood sheet dividing it into two equal squares. Set two lengths of 2x4, each about 4' long, at the desired angle on the plywood and trace the outline. Connect the intersections, as shown on the opposite page, to find the angles. Use cut rafters to diagram the other side of the plywood.

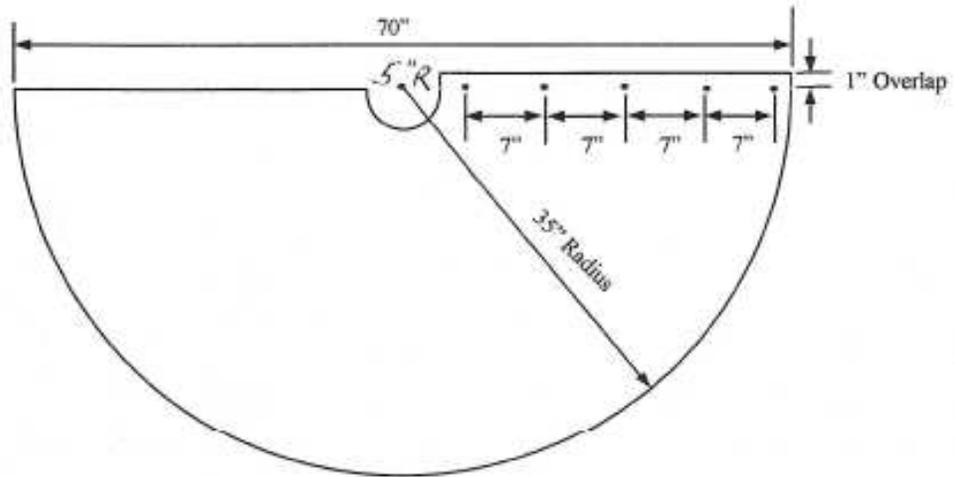
Once all the rafter legs have been measured and cut, nail one 1x4 at the top and bottom of them just as if you were constructing a wall on the ground. When your finished, you'll have four roof sections. Place both lower sections on top of the wall and brace them temporarily in place. To tie them together and support them, run a cross brace between each one at the top. Now, put the two top components in place and nail them. The end walls are made with 2x4s under each roof angle and under the center.

A door can be cut to fit from 1x4s and a vent positioned above the door.

If the greenhouse is not built on a foundation, anchor it by drilling holes every 4 feet through the bottom plate and sill by driving 3' lengths of reinforced rod, or rebar, into the ground through the holes. Bend the top two inches at a 90 degree angle.



solar cone



Cut Sun-Lite HP with tin snips. Wear gloves. Mark pop rivets holes as shown, form into cone and clamp both ends. Drill through marks with appropriate size drill bit. Note: Be sure to get coated side of Sun-Lite HP on the outside.

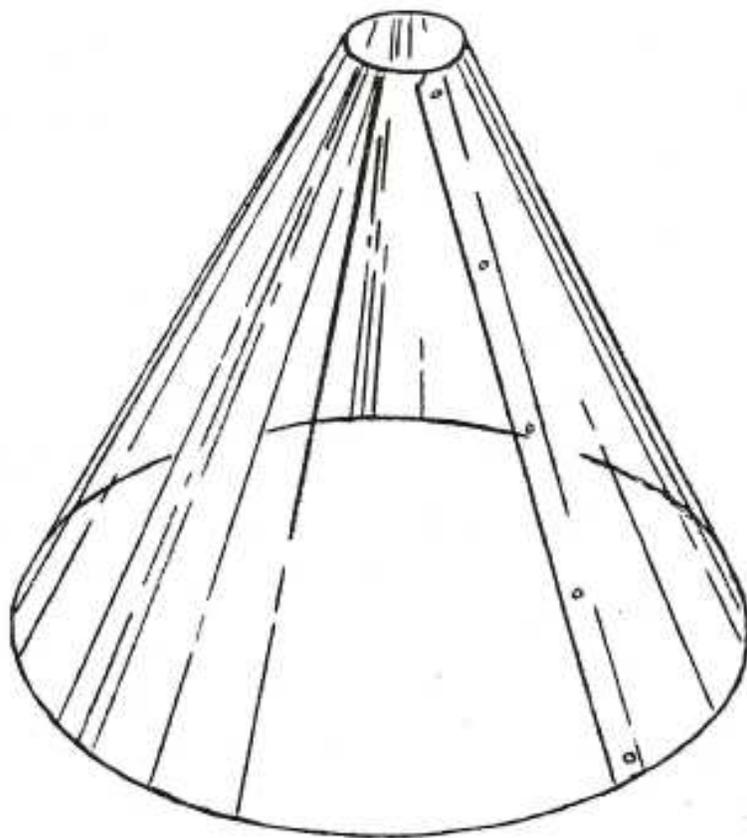


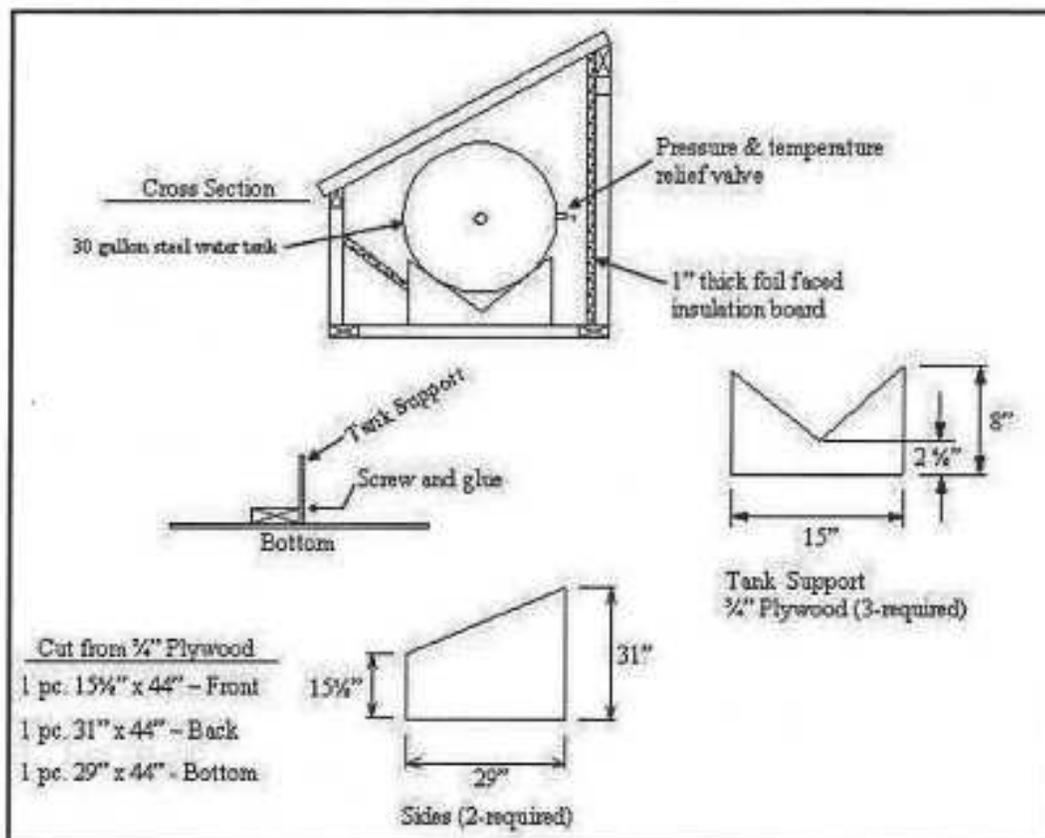
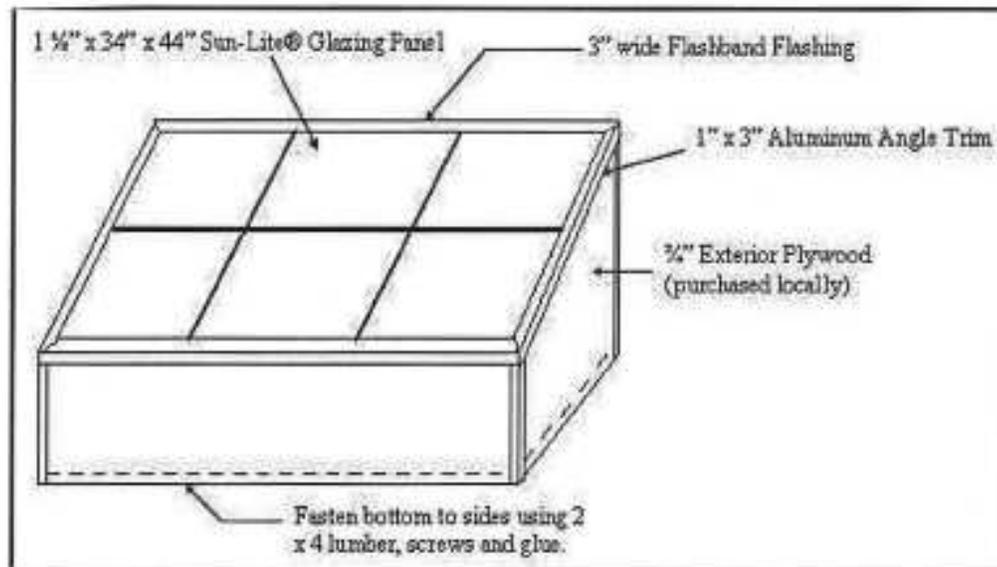
Cut from 3' wide .040" Sun-Lite HP, or from 2' wide for 23" dia. cones.

The design of the **Solar Cone** has been fashioned after the French Cloche or cover. Since about the 16th century the cloche has been widely used to cover early plantings. The angular open top design creates solar heating as well as providing ventilation to prevent wilting without the hassle of having to cover or prop open the device during the day.

Use either 2' wide or 3' wide .040 Sun-Lite HP glazing to create a 23" or 35" diameter cone.

Cones can be held together with either aluminum pop rivets or nylon bolts, and after the season can be easily stacked and stored for winter.

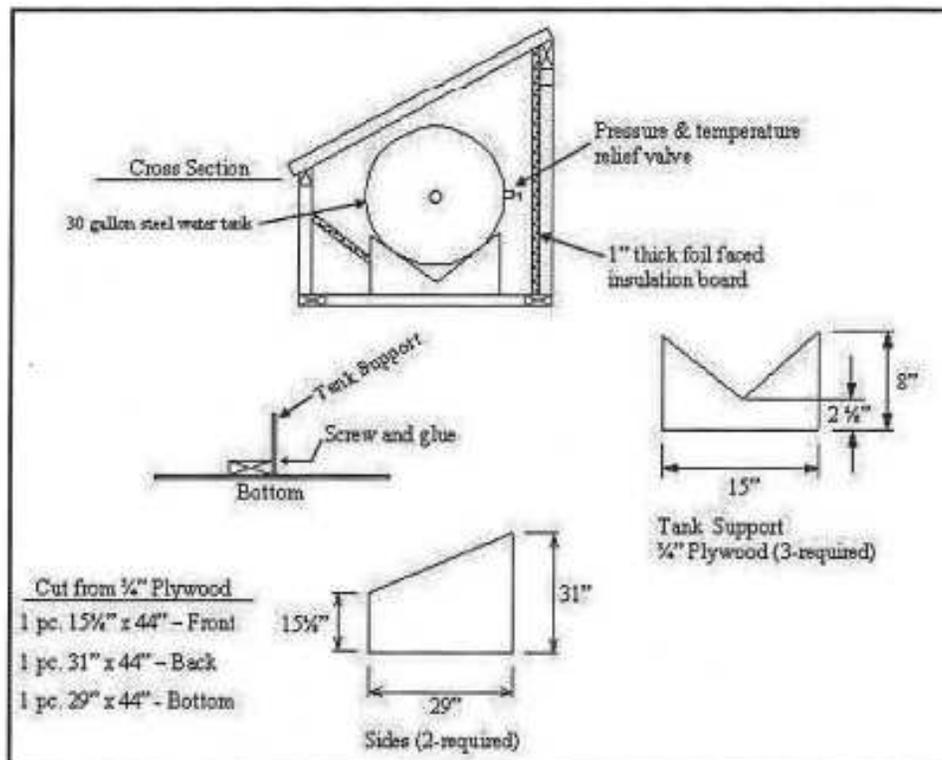
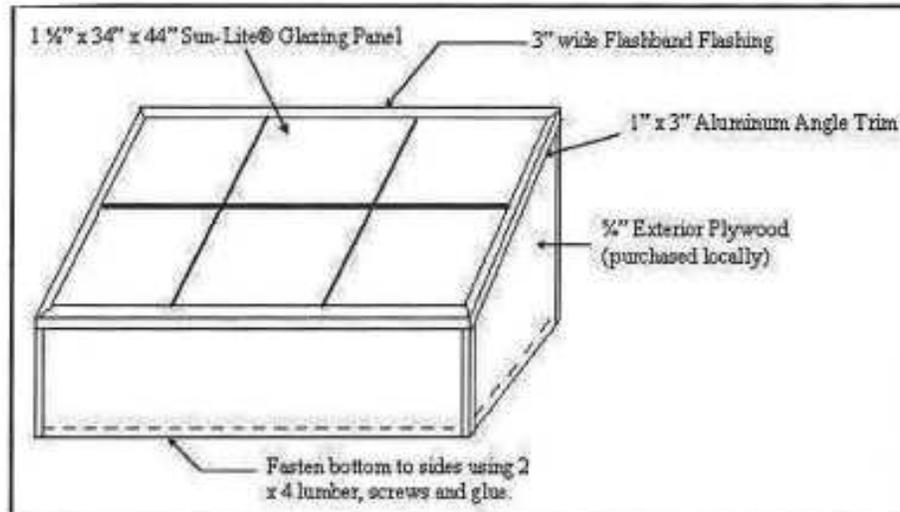




The **Passive Solar Water Heater** is one of the simplest ways to heat hot water. Unlike active solar hot water systems such as closed or drainback systems, a passive system offers the simplicity of no moving parts or electrical connections. The only precaution taken is that in northern climates, the unit should be drained for winter months to prevent freezing damage.

The **Solar Components Batch Water Heater Kit** consists of a 30 gallon glass lined steel tank covered by our 1-1/2" thick Sun-Lite® solar collector cover panel. The kit is designed to pre-heat water going to your conventional water heater or in southern climates could supply all your hot water. This kit provides an excellent dollar per BTU ratio!

#14350 - Passive Water Heater Kit

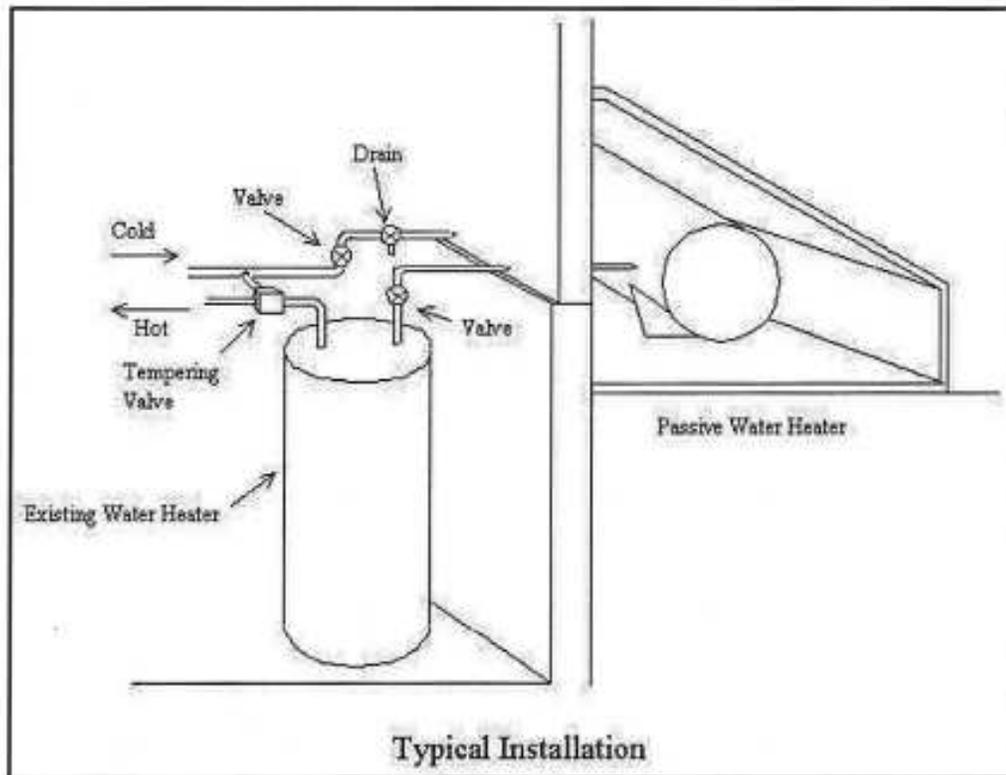


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#14350 - Passive Water Heater Kit

Solar Batch Water Heater



Parts Included In Kit

1-1/2" thick x 34" x 44" Sun-lite® Glazing Panel

Solar Components 30 Gallon Steel Tank

1" x 3" Aluminum Angle Trim

6" Wide Aluminum Flashband

1-3/16" Flat Head Screws

1 Can Thermalox Spray, Black Selective Surface

Parts Not Included In Kit

Pressure & Temperature Relief Valve (purchased locally)

3/4" x 4" x 8' Exterior Plywood (purchased locally)

1" Thick x 4' x 8' Foil Faced Insulation Board (purchased locally)

2" x 4" x 8' Lumber (purchased locally)

Fiberglass Solar Glazing

Many of our solar energy products are made from Sun-Lite® HP fiberglass glazing, a one-of-a-kind, high performance solar glazing material. Developed by Kalwall Corporation, Sun-Lite® HP is a lightweight, shatter-resistant low-cost solar glazing material that can be easily handled, cut and installed. Thousands of do-it-yourselfers, builders, solar manufacturers, fish farmers, solar aquatic waste water treatment facilities and others throughout the world are successfully using Sun-Lite® HP in a variety of applications. Sun-Lite® HP is the only non-glass glazing product of its kind engineered to resist the causes of severe molecular deterioration damaging to other plastics commonly used in solar applications.



SUN-LITE® GLAZING MATERIAL

Our product is a high performance solar glazing that is ideal for direct gain applications, water storage walls, solar attics, trombe walls, hydronic collectors, air collectors, batch heaters, greenhouses, cold frames, sunspaces and much more. Our product is lightweight, shatterproof, has a solar transmission of 85-90%, superior impact strength, and is easily cut, handled and installed. Sun-Lite® is the perfect solar glazing material for the do-it-yourself builder. Roll sizes range from 3' - 5' width x 6' - 50' long. Thickness of .040" and .060".

IDEAL FOR GREENHOUSES TOO!

www.solar-components.com

SUN-LITE® GLAZING MATERIAL

<u>Sun-Lite® HP</u>		
Size	Catalog Number	Price
.040" X 3' X 8' Sunlite HP	#01400	\$ 72.00P
.040" X 3' X 10' Sunlite HP	#01410	\$ 79.00P
.040" X 3' X 25' Sunlite HP	#01420	\$185.00P
.040" X 3' X 50' Sunlite HP	#01430	\$364.00P
.040" X 4' X 8' Sunlite HP	#01500	\$ 82.00P
.040" X 4' X 10' Sunlite HP	#01510	\$ 95.00P
.040" X 4' X 25' Sunlite HP	#01520	\$238.00P
.040" X 4' X 50' Sunlite HP	#01530	\$450.00P
.040" X 49 1/2" X 8' Sunlite HP	#01600	\$ 87.00P
.040" X 49 1/2" X 10' Sunlite HP	#01610	\$100.00P
.040" X 49 1/2" X 25' Sunlite HP	#01620	\$241.00P
.040" X 49 1/2" X 50' Sunlite HP	#01630	\$465.00P
.040" X 5' X 8' Sunlite HP	#01720	\$ 90.00P
.040" X 5' X 10' Sunlite HP	#01730	\$112.00P
.040" X 5' X 25' Sunlite HP	#01700	\$270.00P
.040" X 5' X 50' Sunlite HP	#01710	\$565.00P
.060" X 4' X 8' Sunlite HP	#01800	\$100.00P
.060" X 4' X 10' Sunlite HP	#01810	\$120.00P
.060" X 4' X 25' Sunlite HP	#01820	\$252.00P
.060" X 4' X 50' Sunlite HP	#01830	\$500.00P
.060" X 49 1/2" X 8' Sunlite HP	#01850	\$102.00P
.060" X 49 1/2" X 10' Sunlite HP	#01860	\$122.00P
.060" X 49 1/2" X 25' Sunlite HP	#01870	\$263.00P
.060" X 49 1/2" X 50' Sunlite HP{1}	#01840	\$515.00P

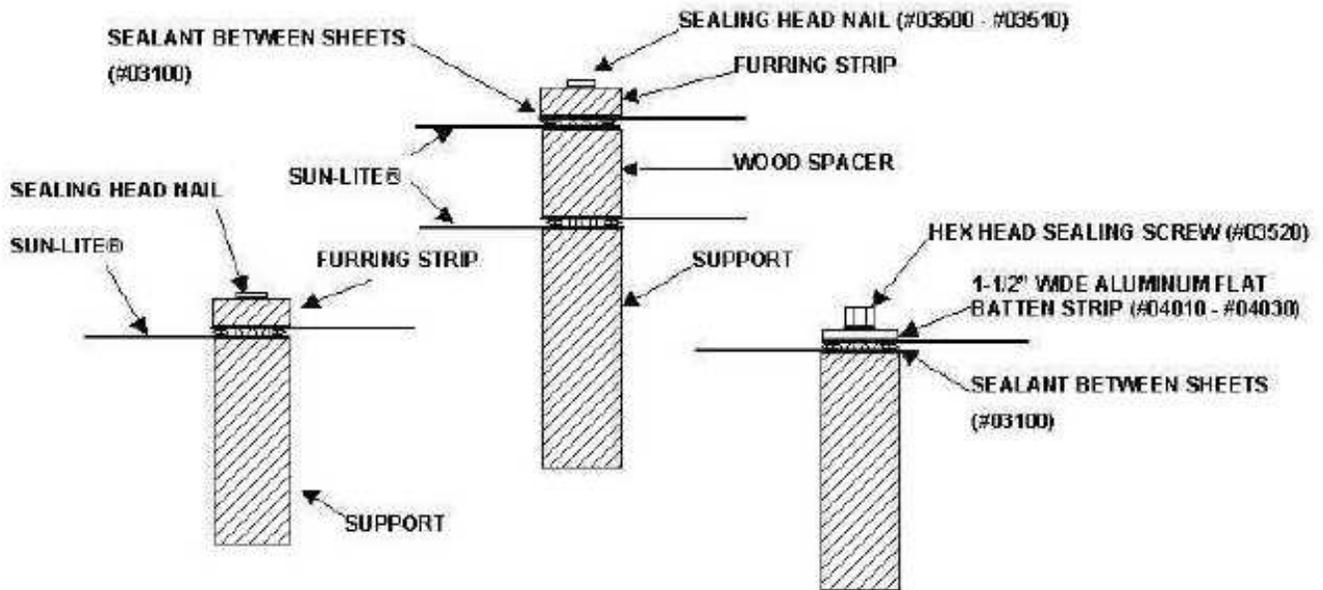
*We can custom cut **ONLY** the **LENGTH** of the **SUN-LITE HP** listed above in 12" increments for a charge of \$2.50 per sq. ft. - .040" and \$2.75 per sq. ft. - .060".*

Angel Hair Insulation 4' wide #01211 \$3.20 per linear foot minimum order of 8'

www.solar-components.com

SUN-LITE® GLAZING MATERIAL

Installation Suggestions



1-1/2" Flat Aluminum Batten Strip

8' Long _____ #04030 _____ \$13.25P each (minimum order 6)

10' Long _____ #04020 _____ \$14.25P each (minimum order 6)

12' Long _____ #04010 _____ \$15.25P each (minimum order 6)

3/4" x 3/4" Aluminum Angle

For use as closure angle on Sun-Lite® Sheeting.

3/4" x 3/4" Angle 10' Long _____ #04650 _____ \$13.50P each (minimum order 6)

Hex Head Sealing Screws

1-3/16" Long Package of 20 _____ #03520 _____ \$ 7.35P

2-3/8" Long Package of 20 _____ #03530 _____ \$10.50P

Glazing Tape Seals Glazing Panels

Made of tough butyl based elastic compound with a gauze reinforcement to provide excellent dimensional stability. Excellent initial tack with good adhesion to most clean surfaces. Develops a strong bond in service with excellent resistance to water and water vapor. The material remains plastic indefinitely and has a service temperature range of -30 degrees F to 200 degrees F. Jet Black color. Suggested for use on all glazing panel installations.

Glazing Tape 1/8" Thick x 3/8" Wide x 79' Long Roll _____ #03100 _____ \$15.95P

Galvanized "Stormguard" Sealing Head Nails

Used for installing Sun-Lite® fiberglass sheeting. Highly resistant to stains, streaks and rust. Double dipped in zinc with neoprene washers for self sealing. Can also be used to fasten aluminum absorber sheets. Packaged in 5 pound boxes.

1-3/4" Long (approx. 550 nails) _____ #03500 _____ \$24.95P

2-1/2" Long (approx. 410 nails) _____ #03510 _____ \$26.50P

Sun-Lite® PRE-FAB SOLAR GLAZING PANELS



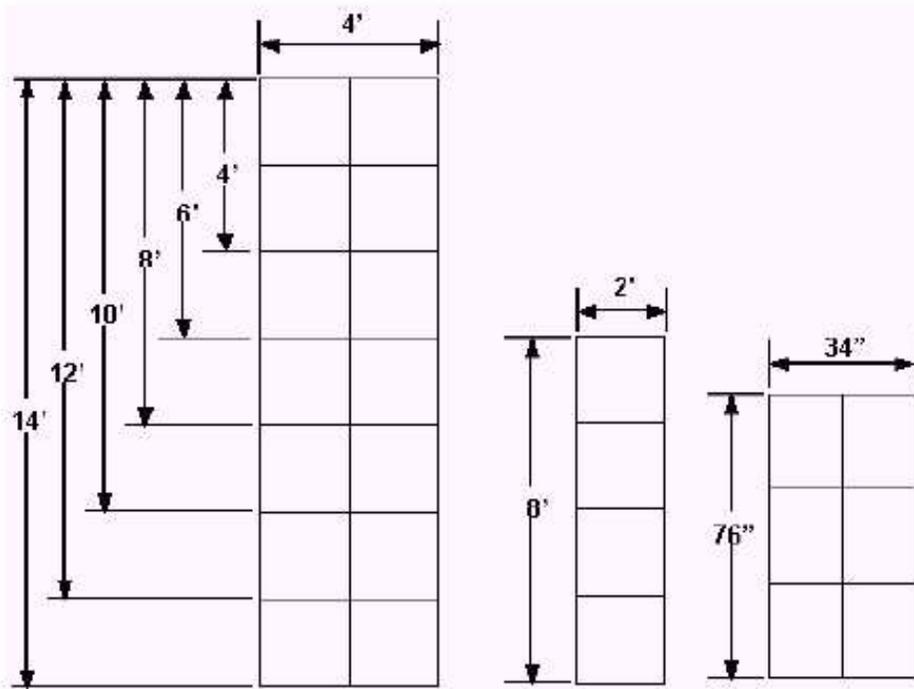
PRE-FAB SOLAR GLAZING PANELS

Sun-Lite insulated panels are factory prefabricated panels designed expressly to transmit maximum solar radiation, yet insulate! They are lightweight, shatterproof, and require minimum maintenance for long term performance. The panels are 1-1/2" thick and are made from our famous Sun-Lite® glass fiber reinforced sheet used in thousands of solar applications worldwide. Engineered to resist the rigors of high sunlight and heat exposure fatal to most glazing materials. Unlike thermoplastic glazing, Sun-lite resists long wave radiation (greenhouse effect.) Sun-Lite® insulated panels in stock sizes. Traditional wood, or our own aluminum Clamp-tite system can be used for rapid insulation.

So if your designing a solar greenhouse, site built collector, or require the most efficient solar window for your passive system, insist on Sun-Lite® insulated glazing panels.

*Available in Sun-Lite® Face sheets at 84% Light Transmission
or Translucent White Face Sheets at 20% Light Transmission, (great for interior shoji screens)*





SUN-LITE® GLAZING PANELS

These items must ship by motor freight. Please call (603) 668-8186 for freight quote.

SIZES AND PRICING

1/2" X 2' X 8'	#02010	\$ 182.00 (Call for freight quote)
1/2" X 34" X 76"	#02020	\$ 174.00 (Call for freight quote)
1-1/2" X 2' X 8'	#02150	\$ 192.00 (Call for freight quote)
1-1/2" X 4' X 4'	#02080	\$ 192.00 (Call for freight quote)
1-1/2" X 4' X 6'	#02090	\$ 288.00 (Call for freight quote)
1-1/2" X 4' X 8'	#02100	\$ 384.00 (Call for freight quote)
1-1/2" X 4' X 10'	#02110	\$ 480.00 (Call for freight quote)
1-1/2" X 4' X 12'	#02120	\$ 576.00 (Call for freight quote)
1-1/2" X 4' X 14'	#02130	\$ 672.00 (Call for freight quote)



Installation Aids

These items must ship by motor freight. Please call (603) 668-8186 for freight quote.

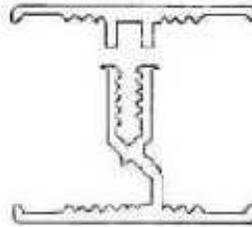
2" Top Batten. Used for clamping and sealing the seam between two 1/2" Sun-Lite Glazing Panels. Inner edge serrated for holding glazing tape (#03100) in place.



Top Batten

8'	#04100	\$13.65C
10'	#04110	\$17.85C
12'	#04120	\$20.48C
14'	#04130	\$23.65C
16'	#04140	\$27.30C

2" Double Batten. Used for clamping and sealing the seam between two Sun-Lite 1-1/2" Glazing Panels. Inner surface is serrated for tight sealant attachment of Glazing Tape (#03100).



Double Batten

8'	#04200	\$38.00C
10'	#04210	\$46.00C
12'	#04220	\$55.00C
14'	#04230	\$63.00C
16'	#04240	\$74.00C

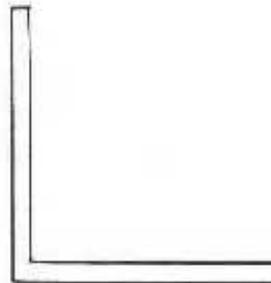
1" x 3" Aluminum Angle. Used for securing and covering panels around their perimeter.



1" x 3" Angle

8'	#04300	\$27.00C
10'	#04310	\$33.00C
12'	#04320	\$39.00C
14'	#04330	\$45.00C
16'	#04340	\$50.00C

2" x 2" Aluminum Angle. Multiple uses include outside corners, clip angles perimeter closure, collector racks, etc.



2" x 2" Angle

8'	#04400	\$23.65C
10'	#04410	\$29.50C

Glazing Tape Seals Glazing Panels

Made of tough butyl based elastic compound with a gauze reinforcement to provide excellent dimensional stability. Excellent initial tack with good adhesion to most clean surfaces. Develops a strong bond in service with excellent resistance to water and water vapor. The materials remain plastic indefinitely and has a service temperature range of -30 degrees F to 200 degrees F. Jet Black color. Suggested for use on all glazing panel installations.

Glazing Tape 1/8" Thick x 3/8" Wide x 79' Long Roll _____ #03100 _____ \$15.95P

Hex Head Sealing Screw

These rugged #14 screws are all cadmium plated with neoprene washers for self sealing and prolonged exterior use. 1-3/16" long used to fasten top section to bottom section of aluminum double batten (#04100-#04140). Also used to fasten aluminum angle (#04300-04340) to curb.

2-3/8" long screws used for fastening 2" top batten (#04100-#04140) directly to support in 1/2" Sun-Lite Glazing Panel installations.

1-3/16" package of 20 _____ #03520 _____ \$ 7.35P
 2-3/8" package of 20 _____ #03530 _____ \$10.50P

Flat Head Screws

Stainless steel with phillips slot in flat head. Good for a variety of installation needs. 2-3/8" size is used for attaching bottom section of the aluminum double batten (#04300-#04340) to wood support.

1" package of 20 _____ #03550 _____ \$ 4.25P
 1-3/16" package of 20 _____ #03560 _____ \$ 5.25P
 2-3/8" package of 20 _____ #03570 _____ \$ 6.35P
 3-1/2" package of 20 _____ #03580 _____ \$10.50P

Do-It-Yourself Flashband Waterproofs Difficult Roof Jobs Flashband is a self-adhesive aluminum faced asphalt tape which sticks to almost any surface - wood, shingles asphalt, glass, metal - permanently. An indispensable aid to the roofer because of it's versatile sealing and waterproofing properties. Flashband can be used to repair flashings or can be used as flashing on its own.

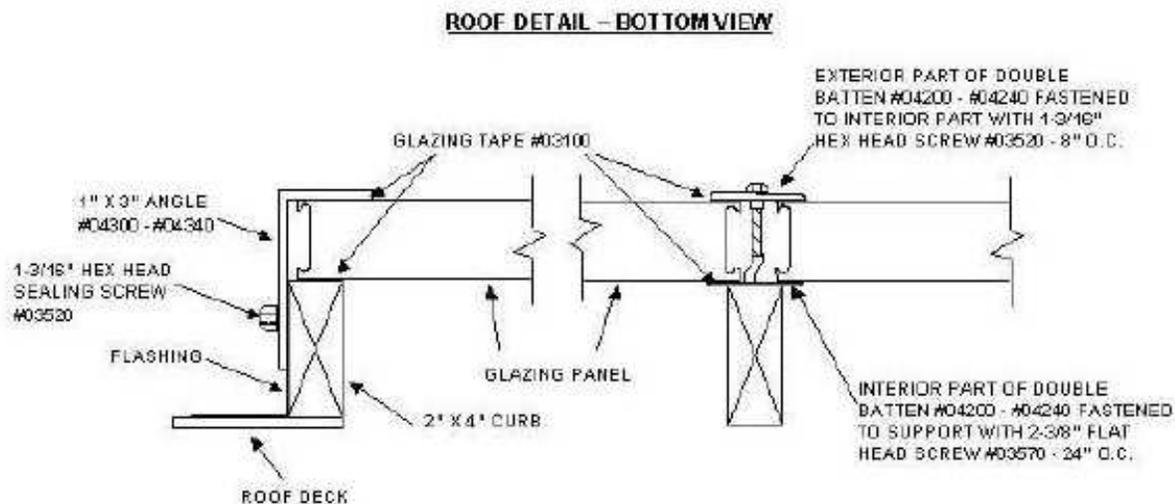
Will seal and waterproof skylights, window and door frames, air conditioning units, solar collectors, ventilators and chimneys. It's aluminum facing is a decorative feature which makes the finished job very attractive. Molds easily to irregular surfaces. The do-it-yourselfer will find it invaluable around the house. Non toxic, can also be used to graft plants.

2" Wide x 33' roll _____ #03590 _____ \$15.25P
 3" Wide x 33' roll _____ #03600 _____ \$18.75P
 6" Wide x 33' roll _____ #03610 _____ \$35.75P

Kalwall® Weatherable Surface

Kalwall Weatherable Surface (KWS) is a two part air dried coating material factory applied to the exterior of all Sun-Lite® HP fiberglass reinforced polymer sheeting. It should be reapplied, usually every 10 years after initial installation, to restore the original luster and finish which may have become dulled or roughened due to prolonged exposure to weather, airborne pollutants, or chemicals in the atmosphere. Apply with brush or roller. Coverage 200 square feet per gallon.

1 Gallon Kit _____ #03710 _____ \$83.95P



Build Your Own Greenhouse/Solarium/Sun Room/



We supply construction plans and our efficient Sun-Lite Glazing Panels complete with sealant and mounting hardware. You supply the rest. Typical unit can be built for less than \$2000.00 (excluding labor).

12 foot long x 8' deep 3 panel Sun Room Glazing Package	#14010	\$1,475.00C
16 foot long x 8' deep 4 panel Sun Room Glazing Package	#14020	\$1,840.00C
20 foot long x 8' deep 5 panel Sun Room Glazing Package	#14030	\$2,225.00C

Packages consist of:

#14010	#14020	#14030	Materials Included
1	1	1	Sun Room Plans
3	4	5	Sun-Lite Glazing Panels 4' x 8' x 1-1/2"
2	3	4	Aluminum Double Battens 2" x 8'
5	6	7	Aluminum Angles 1" x 3" x 8'
2	3	4	79' Long Roll Glazing Tape
2	2	3	pkgs. Hex Head Sealing Screws #14 x 1-3/16"
1	1	1	pkgs. Flat Head Screws #14 x 2-3/8"
1	2	2	pkgs. Flat Head Screws #14 x 1-3/16"
2	2	2	rolls Sun-Lite HP Sheeting .040" x 4' x 8'

Note: The Sun Room Kit contains only the glazing and glazing installation accessories. Builder/Owner must supply structure and foundation.

Purchase the plans separately before you start building and we will deduct the price of the plans when you order your kit.

Solar Room Plans ___ #15270 ___ \$7.50P

Visit our Showroom at 121 Valley Street, Manchester, NH 03103 OPEN MONDAY-FRIDAY 8AM-5PM

ORDER FORM

Solar Components Corporation

121 Valley Street, Manchester, NH 03103

Call our Order Desk at 603-668-8186 to place credit card orders on
MASTERCARD or VISA or mail in this Order Form with payment.

SOLD TO

Date _____

Name _____

Street _____

City/State/Zip _____

Telephone _____

SHIP TO

(Street address required for delivery)

Name _____

Street _____

City/State/Zip _____

Telephone _____

IMPORTANT ORDERING INFORMATION

(1) Complete the order form

Fill out your name and address at the top of this order form. Your street address is required for delivery. If you only have a box or RR # please give us the name of the nearest road or street for reference. Please include a telephone number where you may be reached during the day should we need to contact you concerning your order.

(2) Fill in the Order Blanks

Complete the order form on the back being sure to include quantity, catalog #, brief description, price and any packing charges. **If calling in your order, please give us your customer number that is located on the mailing label on the back cover of the catalog or in the box at the bottom of the order blanks.**

(3) Packing charges

Some products must be specially crated or boxed to insure safe delivery. Please include packing charges in your payment.

(4) Freight charges

Most orders shipped within 48 hours.

Just add the amount listed on the **Handling/Shipping** chart for "P" items. Items marked with a "C" will be shipped freight collect with the customer paying the freight charges upon delivery. When ordering some items "prepaid" and others "collect", all items will be shipped "freight collect". Prepaid freight charges are for United Parcel Service delivery areas only. For deliveries outside the continental United States, please contact us prior to ordering for shipping arrangements.

(5) Payment

IMPORTANT - All orders must be accompanied by payment. (Checks or money orders made out to Solar Components Corp.) Sorry, no C.O.D.'s or stamps; if using Visa or MasterCard please fill in the appropriate blocks. We will not accept credit card orders that are not signed or that do not include expiration date. However, for quick service we will accept credit card orders by telephone by calling us Mon. - Fri., 8 A.M. - 5 P.M. Eastern Time. Sorry no collect calls accepted.

(6) Back Orders

Your receipt will be included with the order. Any items we were unable to ship due to temporarily being out of stock will be marked "Back Ordered or BO". These items will be shipped when available.

(7) Damages and Shortages

All packages should be opened immediately and inspected for damaged goods or shortages (other than back orders). **Any damaged goods or shortages should be noted when signing the freight carrier's delivery receipt, and you should immediately file a claim with the carrier's agent.**

(8) Returns

Please contact us prior to returning any merchandise and receive a Return Authorization Number. This number will aid us in quickly processing your return so that you may receive the appropriate credit, refund or exchange. Merchandise sent to us without a Return Authorization Number will be refused at the senders risk. **No returns accepted after 30 days from date of order.** Any returned merchandise accepted by the seller and deemed to be for the convenience of the buyer may be subjected to a twenty percent (20%) handling charge. Any correspondence concerning your order should reference the invoice date and order number on your receipt.

(9) Warranty Information

As required by the Federal Trade Commission Regulations, warranty information is available for products costing more than \$15.00, to mail order customers, by writing to Solar Components Corporation, P.O. Box 237, Manchester, NH 03105. Reasonable warranty information will be made available upon specific request. All such requests must identify the catalog, page number, the description of the item, our catalog number and selling price.

No guarantee or warranty applies to materials, components or equipment sold by Solar Components because final use and installation are beyond our control; however, we have used and evaluated items offered for sale in this catalog and have found them to perform satisfactorily. We invite your comments so we can better evaluate items available for sale. Some of our suppliers offer warranties on their own. For statement of warranty, please contact us. All information is expressed in good faith; however, no warranty is expressed or implied. Prices are subject to change without notice.

For questions concerning your order, please call our Customer Service Department at (603) 668-8186, Mon. - Fri., 8 A.M. to 5 P.M., Eastern Time.

