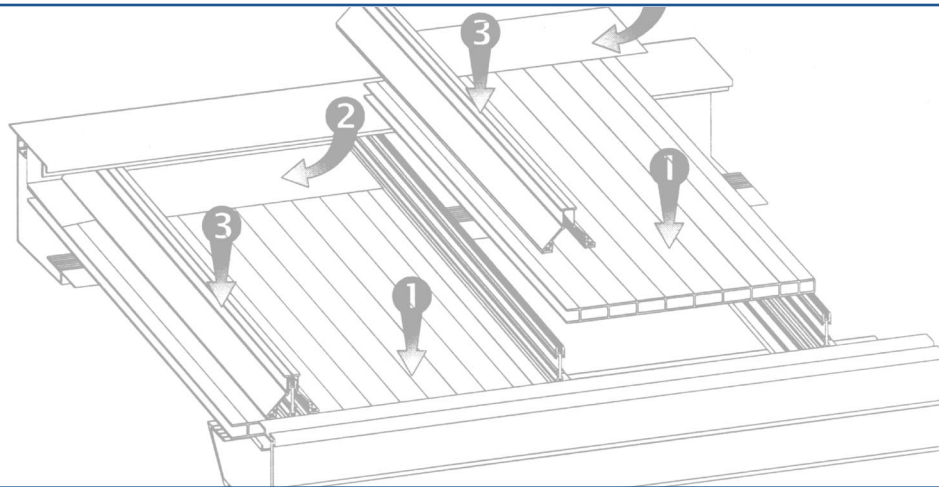


T-Bar Roof Systems



Installation Guide

T-Bar Roof System Installation Guide

This guide was designed to make the installation of the T-Bar Roof System as simple and straightforward as the system itself. Although individual conditions may vary and application methods are numerous, the information contained herein is based on general standards used in most applications.

It is strongly recommended that you read this guide completely before proceeding with your installation. Recommendations are made in regard to specific products and failure to follow such may void any warranty associated with these products. If you are unclear on any of the points described herein, be sure to contact your supplier for clarification before proceeding. Having a full understanding of your roof and the appropriate installation, handling and maintenance techniques will not only make the installation easier, but also reduce the possibility of frustration or problems.

Read this guide cover to cover, gather up your tools, lay out your components and roll up your sleeves. Before long, with a full understanding of these guidelines, you will have installed a top quality roof that will withstand the test of time.

1. Tools and Hardware

- Tape Measure.
- Square.
- Level.
- Felt tipped marker and/or Grease pencil.
- No. 2 Robertson screwdriver (Red handle) and/or Phillips Screwdriver¹.
- Electric drill with 3/16" diameter drill bit.
- Rubber Mallet.
- Utility knife.
- Pliers.
- Plumb Line.
- Chalk Line.
- Step or Extension Ladders - 2 if more than one installer (Suitable to reach beyond your highest intended height)
- Mild liquid soap.
- Soft, non-abrasive cleaning rags.

The following items may be required; depending on the amount of altering you will be doing to the supplied products.

- Circular saw with blades suitable for cutting aluminum and plastics.
- Hacksaw and/or Miter saw.
- Tin snips
- Silicone sealant (Recommend - Tremco Spectrum I, GE Silpruf or Dow 795).
- Metal roof flashing (no less than 0.029 gauge).
- Safety Goggles

¹ Robertson screwdrivers are widely used in Canada while Phillips are more common in the United States. Other types of fasteners may be used provided they are equivalent to those described herein in all characteristics except the head. In these instances the screwdriver(s) may vary.

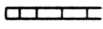


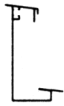

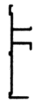



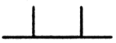
2. Do's and Don'ts

Do's	DON'TS
Do, whenever possible, follow the instructions in this guide.	DON'T proceed without reading this guide.
Do check local building regulations before you begin.	DON'T assume that any structure will withstand the loads exerted without checking.
Do make sure your superstructure is square and true.	DON'T leave even the slightest errors uncorrected.
Do use only full lengths of aluminum bars, caps and gasketing.	DON'T join two or more lengths together.
Do use only fasteners described in this guide and/or provided with your roof.	DON'T use fasteners of a quality, length or type contrary to those described herein and/or provided with your roof.
Do fasten all components as described herein, paying particular attention to the spacing and frequency.	DON'T apply fasteners in areas not specifically outlined herein or spaced other than described herein.
Do remove any burrs from aluminum sections after cutting. ²	DON'T install gasketing to aluminum sections without first removing burrs. ²
Do cut all gaskets square. ²	DON'T cut any gaskets on an angle. ²
Do keep gaskets free of aluminum filings, sawdust and any other such dirt and debris.	DON'T install dirty gasketing or a positive seal may be compromised.
Do store all materials indoors, under cover or keep them cool and protected from the sun and elements until installation.	DON'T store materials in direct sunlight. Expansion prior to installation can cause installation difficulties and the protective masking can stick to acrylic panels.
Do use only recommended silicone sealants.	DON'T use non-recommended silicone sealants. Some sealants can cause material deterioration.
Do avoid using sealants unless specifically outlined in this guide and in all cases do so sparingly.	DON'T use sealants unless specifically outlined herein.
Do make sure that wood stain or finish is thoroughly dry before attaching any roof component to it.	DON'T start before the stain is dry or use wood stains that contain petroleum distillates. DON'T bring any stain or finish in contact with any roof component.

² Applies only when alterations are made to the supplied system or when fabricating custom systems from stock material.

3. The Roof Components

The type and size of roof that you have ordered will determine which specific roof components are provided and the quantity of such. Some of the hardware is common to all roofs regardless of type and size. By fully reading through this guide and acquiring an understanding of how to assemble the roof, you should be able to make a determination of which components are appropriate to your specific application. The following list should assist in determining the quantity of components for most standard roof systems. NOTE: Sizes given are as a guide only. Actual factory dimensions will vary slightly.

COMPONENT		Roof Size	YOUR ROOF X	EXAMPLE 12 x 10
	Acrylic Sheet	Width in feet ÷ 2		$12 \div 2 = 6$ pcs
	T-Bar	$(\text{Width in feet} \div 2) + 1$		$6 + 1 = 7$ pcs
	T-Bar Cap	$(\text{Width in feet} \div 2) + 1$		$6 + 1 = 7$ pcs
	Hanging Rail	1 pc at Width		1 pc @ 12 ft
	Gutter Rail	1 pc at Width		1 pc @ 12 ft
	Side Rail	2 pcs at Projection + 2 $\frac{1}{4}$ "		2 pcs @ 10' 2 $\frac{1}{4}$ "
	I-Beam ³	1 pc at Width		1 pc @ 12 ft
	Posts ⁴	$(\text{Width in feet} \div 8) + 1$		$1.4 + 1 = 3$ pcs Rounded Up
	Post Top Shoes	1 per Post		3 pcs
	Post Bottom Shoes	1 per Post		3 pcs

³ An I-Beam may not be required for systems that don't require an overhang or roofs having small projections.

⁴ The quantity of posts may vary in some circumstances or by individual preference. Calculations used are as a guideline only.

4. Installing the T-Bar Roof System

4.1 Getting Started

You will need to know your roof pitch or slope before you can begin to install your components. In most cases, the single most important determining factor is the highest point you can fasten to against your house. The difference between this height and what represents a suitable roof height at the low side or front of your roof will determine your pitch. NOTE: The minimum recommended pitch is $\frac{1}{4}$ " per foot or your roof should rise $\frac{1}{4}$ " for every 12" on projection. IE: 8 ft projection will require a minimum of $(8 \times \frac{1}{4}) = 2$ " rise. In cases where there is no restrictions on your back height (two story blank walls, etc.) you may choose to determine a suitable front height and then work back towards the building to determine where to position the Hanging Rail or high point of your roof. In all cases more pitch is better. Cleaning, maintenance and load requirements are all factors here and the greater the pitch, the less the concern.

1. Determine where and how high you can fasten to your wall or fascia taking notice of second story windows, etc. When fastening to the fascia it should be noted that the fascia or faceboard should be no less than 5 inches.
2. Determine a suitable front height. In most cases you will desire a height that an individual can stand under. A reasonable height would be approximately 80 inches. This will be measured from the floor, deck or pad to the underside of the I-Beam.
3. Once both back and front heights are determined, you should now be able to proceed with preparing and installing your roof system.

4.2 Installing The Hanging Rail

1. The first piece to install is the Hanging Rail. This is attached to the side of the existing building or the existing fascia at the high point of the roof.
2. When fastening to stucco or similar wall surfaces you should cut a slot horizontally across your wall to insert the top leg of the Hanging Rail. Having determined the position of your Hanging Rail you will be able to place a mark along the wall where the top edge of the Hanging Rail meets with the wall. A chalk line should be suitable for this purpose. Then using a circular saw you can then cut a groove along the chalk line to a depth of $\frac{3}{8}$ ".
3. When fastening to the existing fascia of the house you should fasten through it and into each and every rafter end. Longer fasteners may be required in this instance.
4. Fastening should be done with #12 x $3\frac{1}{2}$ " Screws. Space the screws approximately 16" apart along the length of the hanging rail. NOTE: This hanging rail will be carrying much of the weight of the roof and therefore great care should be taken in ensuring that it is adequately fastened.

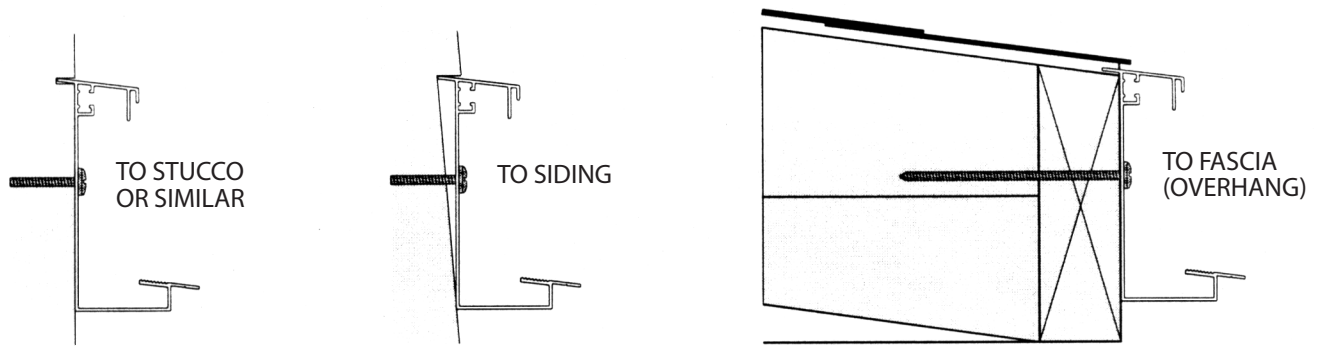


Figure 1 - Installing the Hanging Rail

4.3 Front Beam & Posts

The lower portion or front of your roof will be supported by posts and in most cases an I-Beam. Given that the I-Beam is 4½" deep your posts will be 4½" shorter than the height to the underside of your roof (T-Bars). In most cases the height or length of your posts are simply the height that an individual can stand under or approximately 80".

1. If you ordered your posts cut at a predetermined length, then you may proceed to installing such. If you need to cut your posts, you should do so now. As with most of the roof system's aluminum components, the posts can be easily cut with a circular saw, miter saw or hacksaw.
2. You will need to install a Bottom Shoe into one end of each post. Simply slide the upward legs of the shoe into the end of the post and fasten with one self-tapping screw through each side of the post about ¾" up from the bottom.

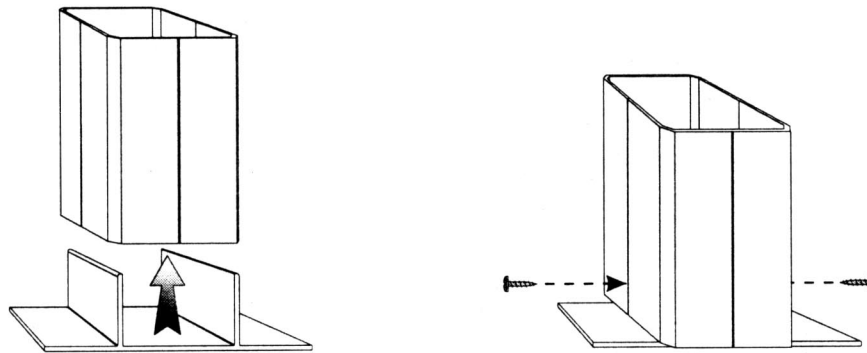


Figure 2 - Installing the Post Bottom Shoes

3. You should now insert the Post Top Shoes into the I-Beam by sliding them in from either end of the Beam. There should be one Shoe for every post. (See Figure 3- Installing the Post Top Shoes)
4. When these Top Shoes are positioned along the length of the Beam at roughly where the Post will be positioned, you can then slide each post over the Shoe and fasten through each side of the beam as with the Base Shoes. Note: When sliding the Posts over the Top Shoes you should ensure that the alignment of the Bottom Shoes is such that the outward flanges on such run in the same direction as the I-Beam.

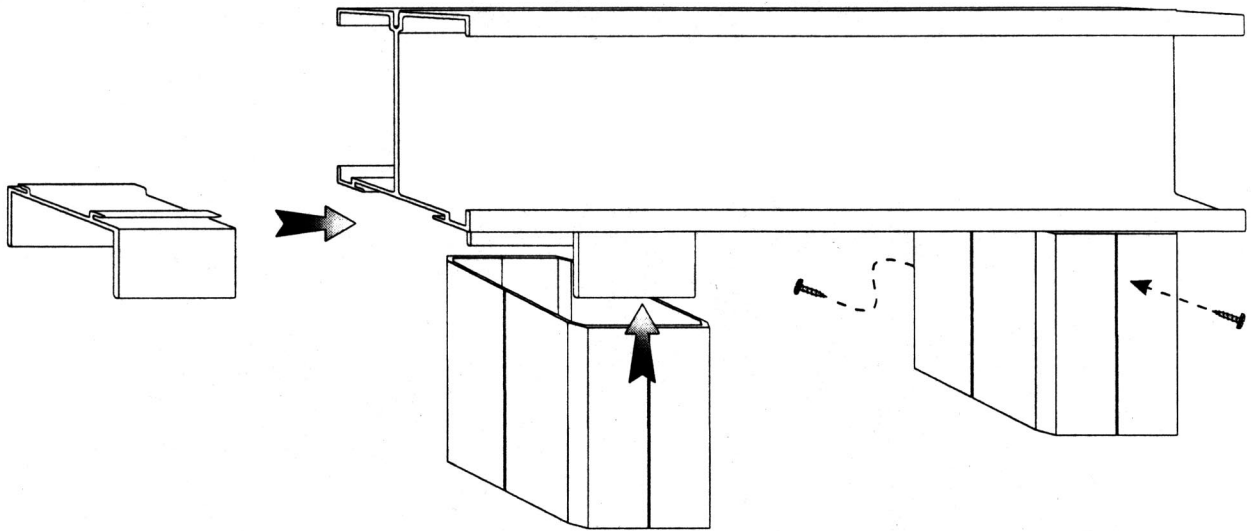


Figure 3 - Installing the Post Top Shoes

5. You will now have a unified Post and I-Beam assembly that can be tilted upright and positioned where required. This may require an extra set of hands, especially in the case of wide roofs. Tilt the assembly upright and position it so that your posts are located across the width where required. Your Posts should still be able to slide left or right within the I-Beam should any adjustments be required. You should also make certain that the distance from the Hanging Rail to the Post position is exactly the same for each and every Post.
6. When the Posts are positioned as required you can now fasten your Bottom Shoes to the deck or pad. The fasteners used are dependent on the type of deck or pad onto which they are being fastened. Large wood screws may be used for decks or wood surfaces while "Hilti" bolts or similar may be required for concrete or similar surfaces. In all cases you should be certain that these fasteners are of a size and strength to secure your roof in the strongest possible fashion.

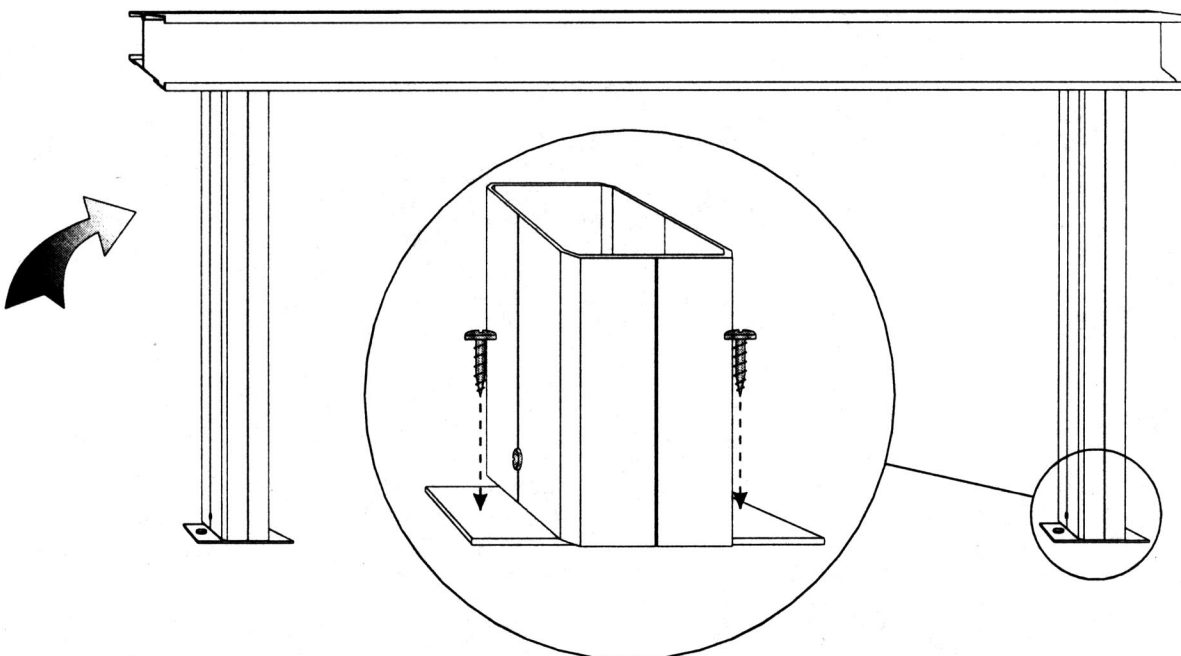


Figure 4 - Fastening the Post and I-Beam Assembly

Once your Post and I-Beam assembly is positioned and securely fastened, you can proceed with the installation of your T-Bars. In some cases you may wish to brace this Beam assembly before proceeding to avoid any tendency it may have to fall.

4.4 *Installing the T-Bars*

1. In most cases all of your T-Bars will be identical, so choose any one and position it at either the left or right edge of the Hanging Rail. It should be pushed tightly up into the Hanging Rail and positioned flush with the outer edge.
2. The T-Bars will have a $\frac{3}{4}$ " notch removed from the underside on one which represents the low end (into the Gutter Rail) and a section removed from the center upright of the other end which represents the high end (into the Hanging Rail). Be certain to align your T-Bars accordingly.
3. Using #10 x $\frac{3}{4}$ " Tek screws fasten one⁵ on each side of the center upright of the T-Bar. You should position your screws in the center of the serrated section of the Hanging Rail, which runs the length of the Hanging Rail where the T-Bar rests.
4. Use two more screws to fasten the same T-Bar to the top of the I-Beam. You should ensure that your Post and I-Beam assembly is running exactly perpendicular using a level or similar device to determine such. You can then fasten the T-Bar to the I-Beam approximately $\frac{1}{4}$ " back from the front or outward edge of the Beam.
5. Repeat these steps for the T-Bar at the extreme other edge of your Hanging Rail.
6. The remaining T-Bars should now be spaced between the two previously installed. The centers should, for the most part, be equal across the width of your roof. Your supplier should be able to assist you in determining your centers if you require. If you don't already know your roof centers you can use the following formula to determine this.

	YOUR ROOF	EXAMPLE
Roof Width		144"
Subtract $2\frac{3}{4}$ " (Regular T-Bar) or $3\frac{1}{8}$ " (Heavy Duty T-Bar)		- $3\frac{1}{8}$ "
Balance		$140\frac{7}{8}$"
$\div 24\frac{1}{2}$ "		$5\frac{3}{4}$
Rounded Up		6
Balance		$140\frac{7}{8}$ "
\div Rounded Up		$\div 6$
Equals Centres		$23\frac{1}{2}$"

The tolerances allowed between T-Bars will allow you to round your centres to the nearest $\frac{1}{8}$ ". In most cases you will then be able to narrow your final opening to accommodate this.

⁵ Outer T-Bars will require one screw only at each of the Hanging Rail, I-Beam and Gutter Rail positions. These screws should be in the inward position of the bar. (See 4.7 Installing the Side Rails)

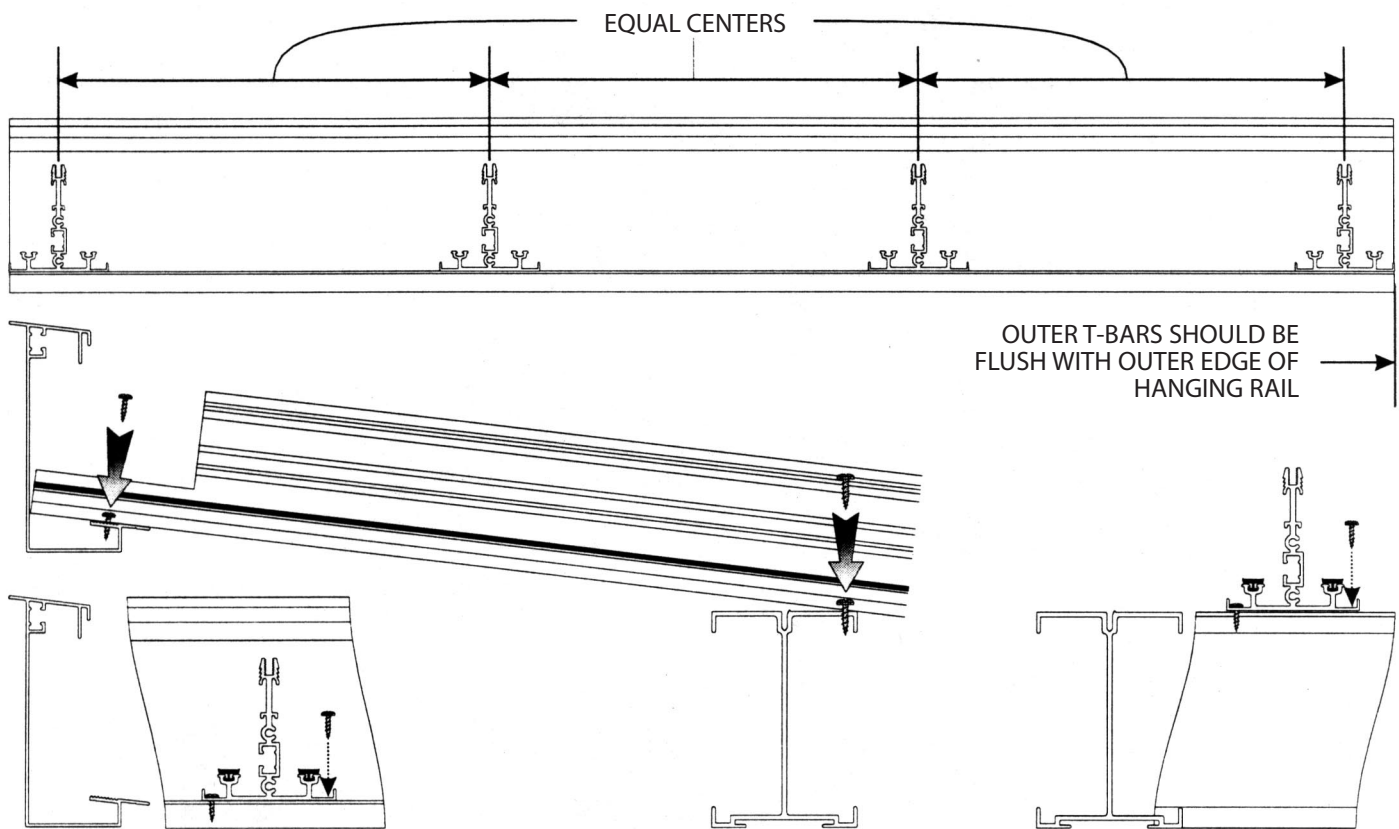


Figure 5 - Centering and Fastening the T-Bars

7. Upon establishing the placement of these T-Bars, fasten the top end as detailed in Step #3 above.
8. Once you have positioned and fastened all of the T-Bars, proceed with installing the Gutter Rail.

4.5 Installing the Gutter Rail

1. The Gutter Rail is placed at the underside of the lower end of the T-Bars.
2. Before installing you should determine the placement of any downpipe as you will need to cut a hole through the bottom of the Gutter Rail to position your outlet. Once you have determined the position of such you can then cut this hole with hole saw or similar. The size and shape of this hole will depend on the type of gutter outlet being used, but in most cases a 2" hole will be used for conventional gutter drops.
3. The inside horizontal leg of the Gutter Rail should be flush with the back edge of the notch that is cut from the lower end of the T-Bars and in no case should it protrude beyond.
4. To fasten it, you use the #10 x $\frac{3}{4}$ " Tek screws provided. Fasten two (2) to the end of each T-Bar at each side of the T-Bar center upright. When looking down from above the T-Bars you should position these fasteners at the approximate center of the horizontal leg of the Gutter Rail. (See Figure 6 - Installing the Gutter Rail)

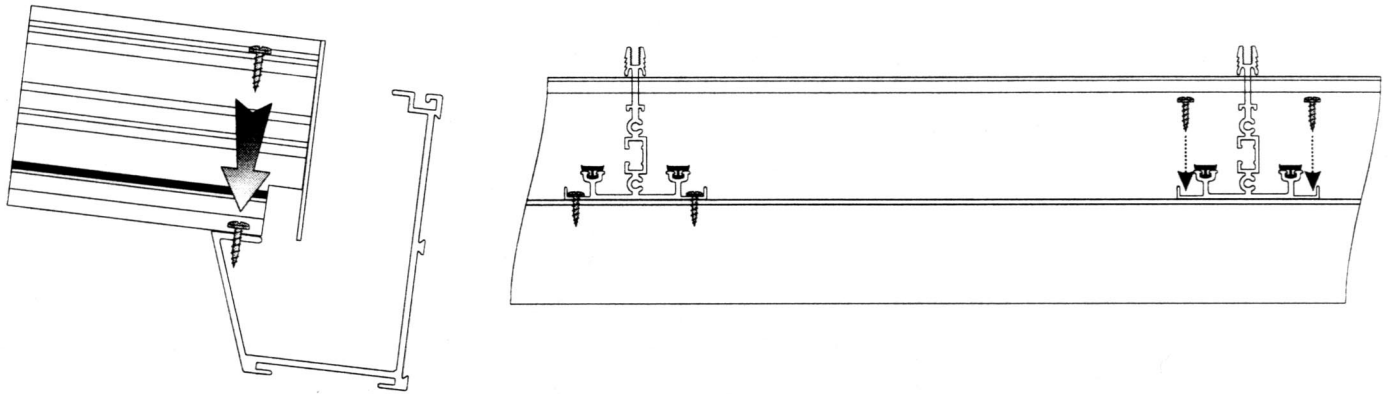


Figure 6 - Installing the Gutter Rail

- Once you have securely fastened the Gutter Rail to the lower end of each and every T-Bar you can proceed with the Gasketing.

4.6 Gasketing

After all the T-Bars are securely fastened in place you should now make sure that the gasketing is properly installed in all the bars. A gasket race is located down each side of the T-Bar into which the rubber skylight gasket should be positioned. Generally, this should be correctly installed in the T-Bar when you receive it. However, if this is not the case, you will have to install this gasket yourself. Starting at the top end of the T-Bar, push the gasket into place working your way down the bar. Be sure that the gasket is fully inserted along the entire length of the bar before trimming any excess. The gasket should move freely within the gasket race. If not fully inserted at any point along the length it may stretch and shrink back after the glazing is installed. This could mean that the gasket is too short after the roof has been completed. As with all other steps, be sure that you take the time to ensure this step is followed precisely in order to avoid problems later.

You can now place the same gasket into each of the T-Bar Caps. A similar gasket race can be found on both sides of the lower edge of the T-Bar Cap. Install the gasket in the same manner and using the same precautions as you did with the T-Bars. Be certain the caps are stored where no dirt or debris will come in contact with the gasketing until they can be installed. Should this not be convenient, you may wish to wait to install the gasketing into these caps until each is installed.

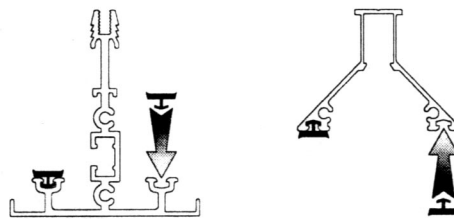


Figure 7 - Installing the Gasketing

At this point proceed with installing the Side Rails.

4.7 Installing the Side Rails

- Prior to installing the caps and roof panels to the outside T-Bars at the left and right outer edges of your roof, you will need to insert the Side Rail into each of these T-Bars.
- To distinguish the top from the bottom of the Side Rail you will note that the bottom only has a 1" return.

3. The tight fitting properties of the Side Rail make it necessary to remove the outer T-Bars and hook the Side Rail into the T-Bar and slide the combined unit back into the Side Rail and Hanging Rail. You will then have to refasten the T-Bars as using one screw only on the inner side of the T-Bar. (Refer to Footnote 5 on page 7.)
4. The lower leg of the two L-shaped legs will clip over the outer gasket race of the T-Bar and should be locked over this gasket race along the entire length of the T-Bar.

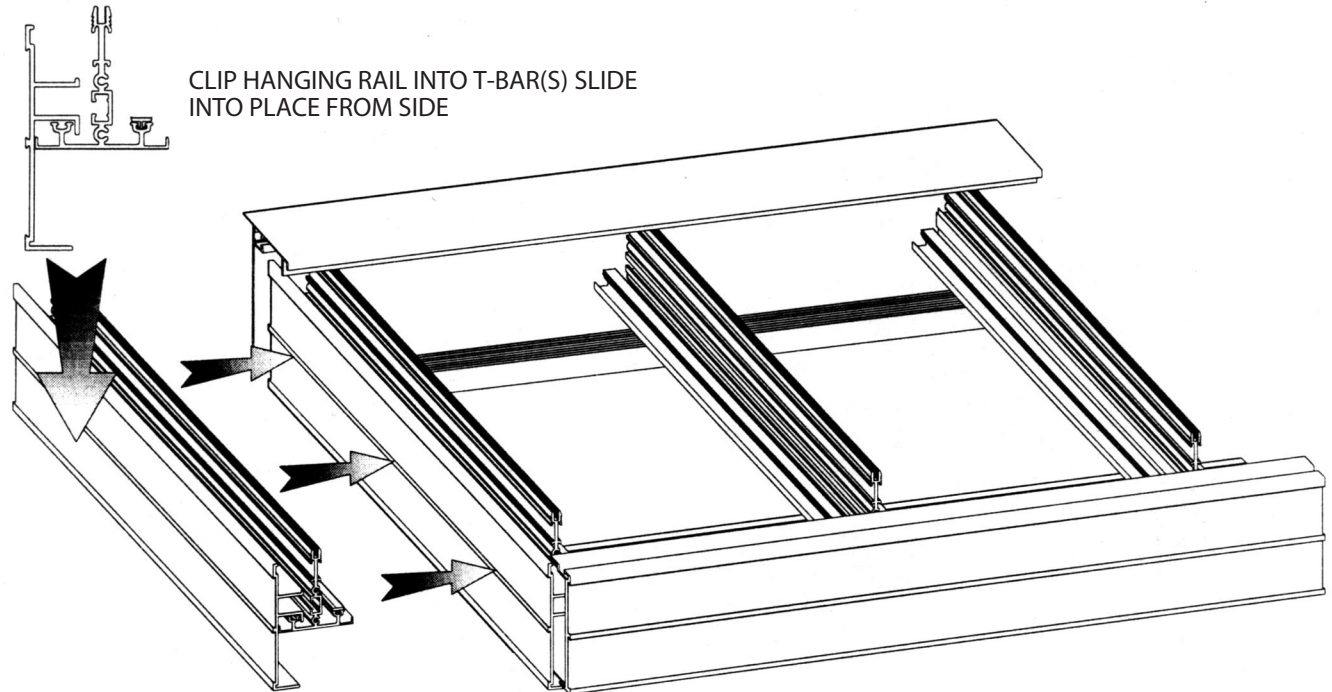


Figure 8 - Installing the Side Rails

5. After the Side Rails have been installed you should finish the outer corners of the roof with the corners provided. These corners will complete the connection between the Side Rails and the Gutter Rail.
6. Making sure that the corners are flush with the bottom and top of the Gutter Rail, use two (2) #10 x $\frac{3}{4}$ " Tek screws to fasten the corner to the face of the Gutter Rail and again to the face of the Side Rail.
7. You can now seal the inside of your gutter with silicone where it meets with the Side Rail.

4.8 *Installing the Roof Panels*

1. Take a moment to ensure that your workspace is free of obstacles and that you have the apparatus in place to get up and between the T-Bars at the highest point. Take care from this point forward to avoid marring the roof panels with any abrasives or sharp objects or tools. If your roof panels are of considerable size you may wish to have assistance at this point.
2. Seal off the top end of the SDP panel with aluminum foil tape, then proceed with the F-Sections. Check the alignment of the F-Section. The F-Section has a leg protruding outward at right angles from the sheet. When placing the panels, make sure that this leg points upward at the high end of the sheet in the Hanging Rail and downward at the low end of the sheet into the Gutter Rail. The Deglas® SDP® double-skinned acrylic sheet is manufactured with a no drip

surface on one side of the sheet. This should be indicated along the factory edge of each sheet and should be positioned on your roof system facing outward.

3. Lift the roof panels into place and center over the gaskets in the T-Bars on each side of it. The bottom should be aligned so that the downward leg of the F-Section is inserted into the notch that is cut from the lower portion of the T-Bar. Make sure that the panel is centered with equal space on either side.

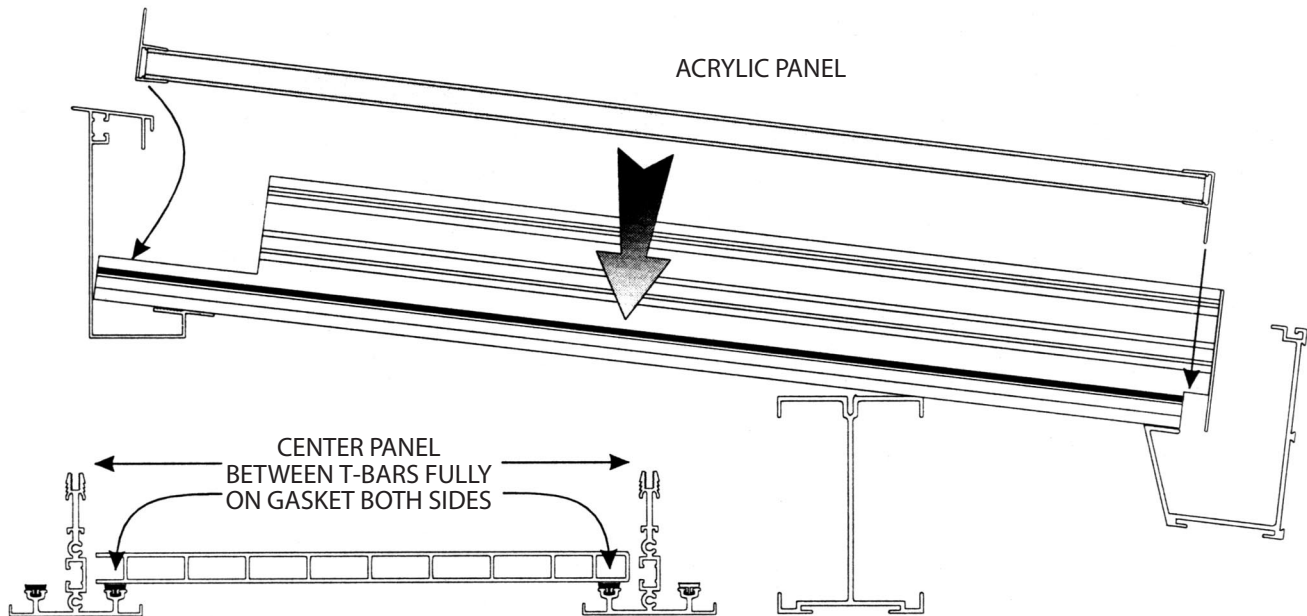


Figure 9 - Installing the Roof Panels

4. As you move across your roof width, after placing each panel into position, move to the next opening and then install the Flashing onto the panel as outlined in Section 4.9 Flashing Your Roof. Then install the T-Bar Cap onto the previous T-Bar as outlined in Section 4.10 Applying the T-Bar Cap.
5. Repeat these steps with the next and all remaining panels.

4.9 Flashing Your Roof

1. After the glazing is installed you will need to flash the upper end of the glazing. The flashing should be from conventional sheet metal available through most building supply outlets.
2. Where the T-Bars are supported in the Hanging Rail a simple flashing shape should be used as illustrated in Figure 10.
3. The flashing should insert under the downward leg at the outer face of the top side of the Hanging Rail and cover the entire width of each panel.

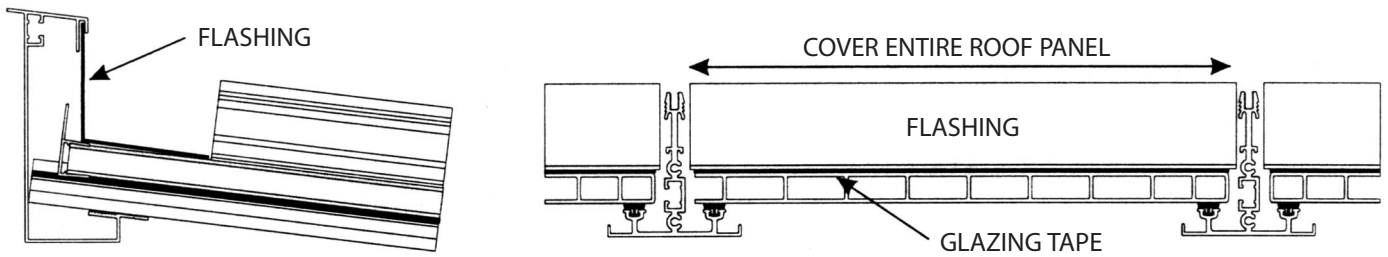


Figure 10 - Flashing in the Hanging Rail

4.10 Applying the T-Bar Cap

1. Once you have installed the Acrylic Sheet you may now install the T-Bar Cap over each of the T-Bars. As you will be working over the roof panels, great care should be taken so that you don't damage or mar the surface.
2. Make sure that the gasket is completely installed in the gasket race on each side of the cap as described under Section 4.6 Gasketing.
3. Before installing the T-Bar Cap on the T-Bar located at the left and right outer edge, be sure you review Section 4.7 Installing the Side Rails.
4. Line up each cap directly over each T-Bar so that the bottom edge of the cap is flush with the bottom edge of the T-Bar. Be sure of your positioning at this point as the following steps are difficult to undo.
5. Starting at the top end, work your way down the cap and hammer into place with a rubber mallet. Be exceptionally careful at this point so that you don't contact the roof panels with the mallet. You may wish to place a block of wood under the mallet at the point of contact as you are hammering. This could give you a greater contact area, protect the finish on the cap and reduce the possibility of slipping and contacting the panels.

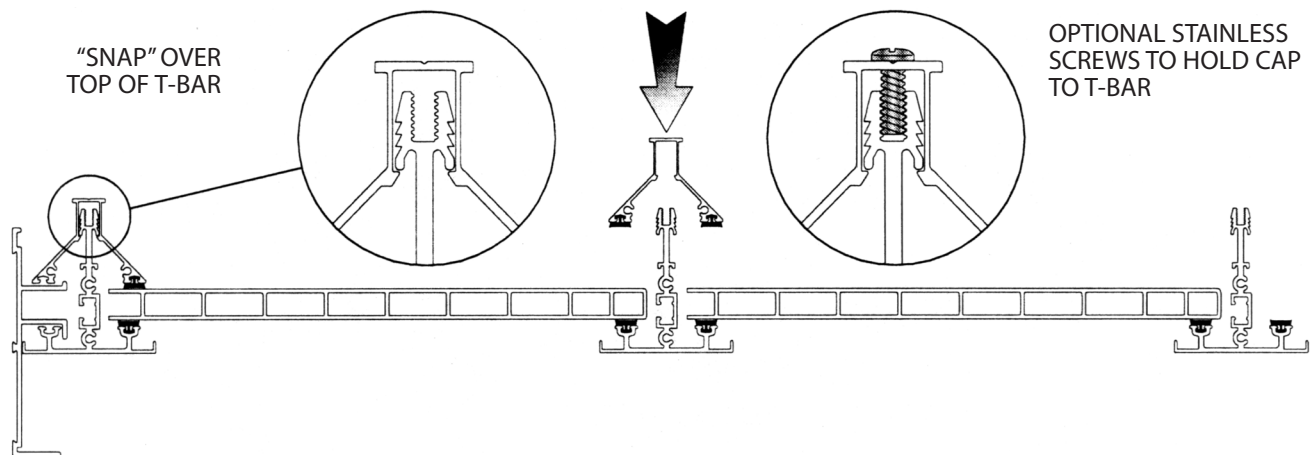
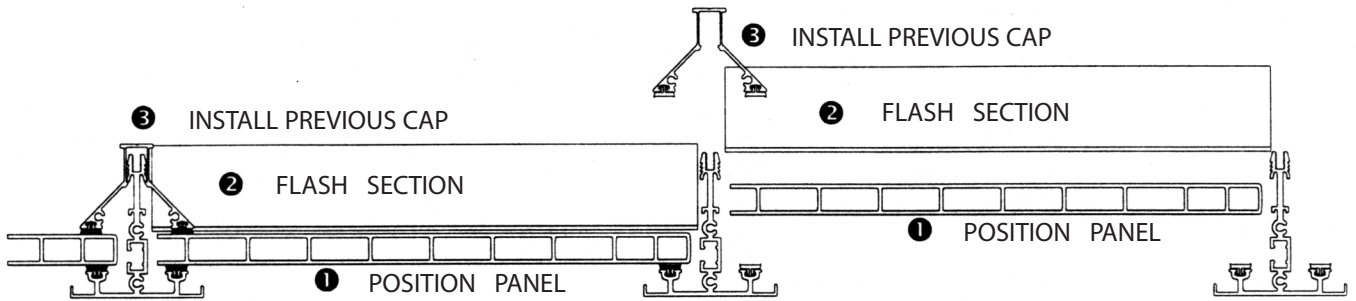


Figure 11 - Installing the T-Bar Cap

6. Be sure that each cap is all the way down before proceeding to the next. The gasket should spread slightly as it achieves contact with the roof panel creating a watertight seal at this point.



FOLLOW THE THREE STEPS FOR EACH SECTION AS YOU MOVE ACROSS THE ROOF.

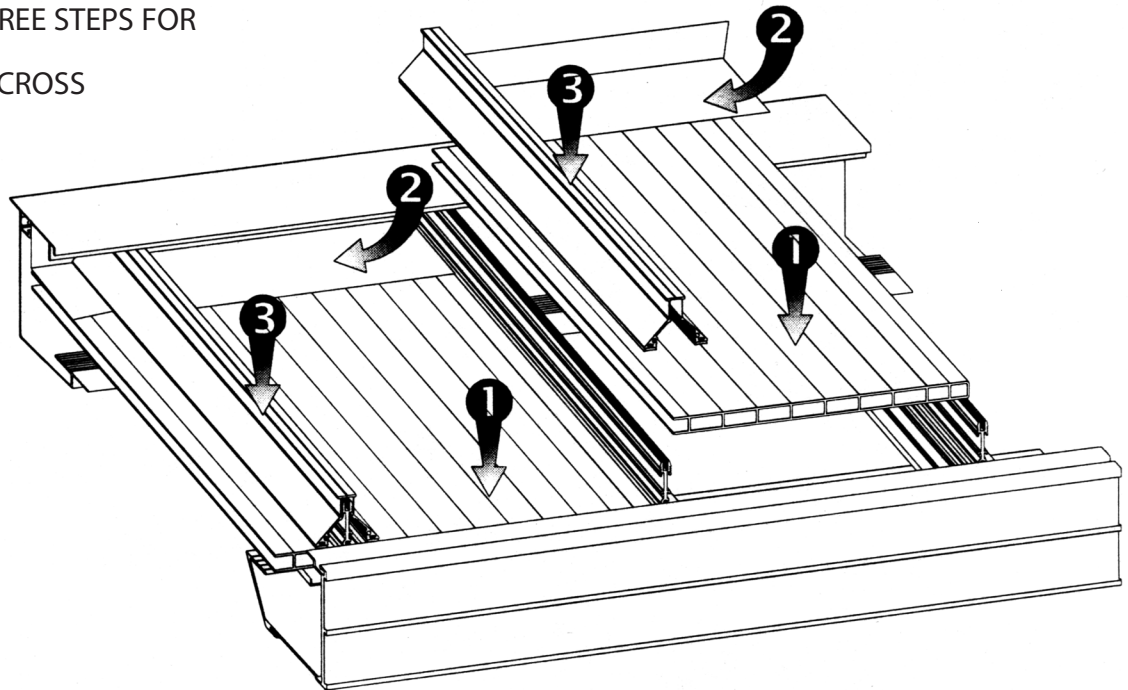


Figure 12- Three Steps to Complete Your Roof

7. As an option, you can install stainless fasteners to the top of the cap to hold it to the T-Bar more securely. This is optional and may not normally be required. Pre-drill the caps at the exact top center and about every 12" to 16" along the length, prior to installation. The T-Bar is designed to accommodate a #10-24 machine screw no longer than 1/2", so you should size your holes accordingly.
8. At this point your roof should be complete. Take care to remove all your tools and equipment from the roof.

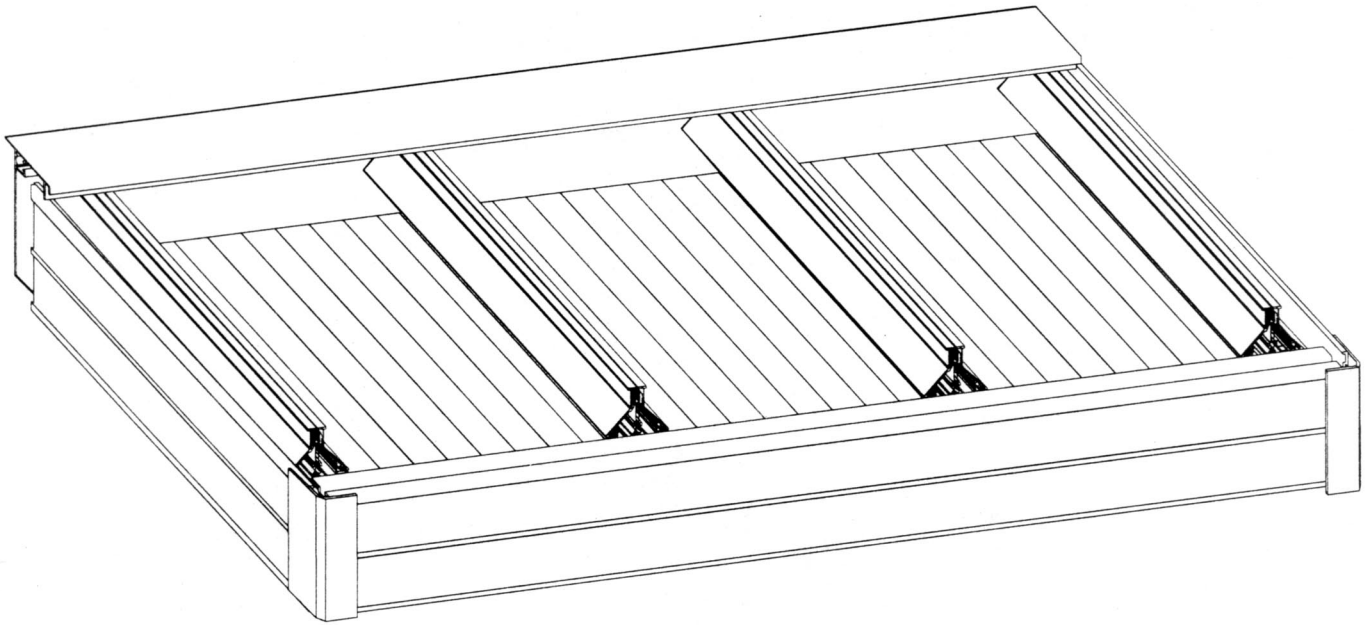


Figure 13 - Your Complete Roof

Should you be uncertain on any of the points outlined throughout this guide, return to that section and review the information. If you still require assistance, refer to Section 7 Assistance.

5. Care and Maintenance

By following the preceding guidelines, you should have installed a virtually maintenance free roof system. The materials used are of the finest quality and will last for years. However, you should keep the following in mind to maintain the roof at its peak for years to come.

Acrylic Sheet

- Use only water, mild detergent and soft rags to clean any surface of the acrylic.
- The acrylic can scratch and care should be taken during any cleaning.
- Never use cleaning fluids, solvents, ammonia or abrasive products to clean any surface of the acrylic.
- It is not recommended that you walk on the sheet
- Never attempt to fasten Deglas® SDP® Acrylic Sheet by drilling through the sheet and point fastening. Expansion and contraction can cause the sheet to crack at this point.

Gasketing and Sealants

- Never allow chemicals or solvents to contact the gasketing.
- Use only recommended sealants in conjunction with any of the system components.
- Use only enough sealant to achieve the desired result. Large accumulations of sealant can dam water or redirect it with undesired results.

Aluminum Components

- Never use solvents to clean the painted surfaces of the aluminum components.
- If you will be painting or 'touching up' the painted surfaces of the aluminum components, do so prior to installation.
- Avoid any hard impacting on the components to avoid denting.
- Avoid scratching the surface of the aluminum components with screwdrivers, utility knives or any such sharp objects.
- Don't attempt to install bent or damaged aluminum components.

The Roof System

- Use only the components outline in this guide.
- Do not attempt to alter, adapt or improvise the described installation techniques without first checking with your supplier about the feasibility of your intentions.
- If cleaning the outside of the roof with a hose, the water should be directed down the slope and NEVER up the slope.

Finally, remember, **IF IN DOUBT, DON'T!**

6. Warranty

See Degussa Röhm CYRO standard warranty.

7. Assistance

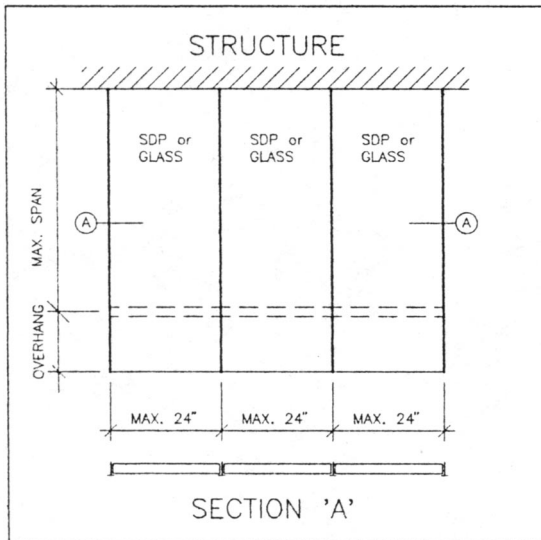
Care has been taken to deal with most applications and situations dealing with and arising from the installation and use of the American Solarium T-Bar Roof System. However, as there are about as many ways to adapt and install the roofs, as there are unique installation sites, we are sure to have missed a detail or two. Should you need more information, clarification on any of the details of this guide, answers to any questions, additional products or information on how to locate a particular additional product, contact your supplier. In most cases your supplier will have the experience and knowledge of the products and installation techniques to answer all of your inquiries. Should you require even more information, contact Degussa Röhm CYRO at 1-888-2DEGLAS.

UNIVERSAL T-BAR 2986 AND T-BAR
CAP 2987 SCREWED TOGETHER
WITH ACRYLIC SDP OR GLASS ROOF

ROOF SNOW
LOAD P_f
(psf)

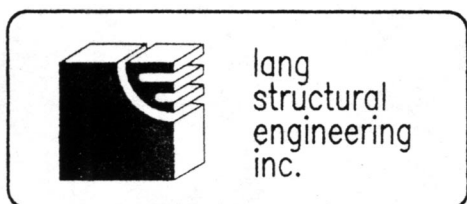
MAXIMUM
SPAN
(ft.-in.)

SELECTED
OVERHANG
(ft.-in.)



ROOF SNOW LOAD P_f (psf)	MAXIMUM SPAN (ft.-in.)	SELECTED OVERHANG (ft.-in.)
20	14'-0"	0'-0"
	14'-3"	1'-0"
	14'-3"	2'-0"
	14'-6"	3'-0"
25	12'-9"	0'-0"
	12'-9"	1'-0"
	13'-0"	2'-0"
	13'-3"	3'-0"
30	11'-9"	0'-0"
	11'-9"	1'-0"
	12'-0"	2'-0"
	12'-3"	3'-0"
35	10'-9"	0'-0"
	11'-0"	1'-0"
	11'-3"	2'-0"
	11'-6"	3'-0"
40	10'-3"	0'-0"
	10'-3"	1'-0"
	10'-6"	2'-0"
	11'-0"	3'-0"
45	9'-6"	0'-0"
	9'-9"	1'-0"
	10'-0"	2'-0"
	10'-6"	3'-0"

- Minimum roof live load is 20 psf as specified in Table 16-C of 1994 U.B.C.
- As specified in Section 1637 of 1994 U.B.C., the value of roof snow load, P_f , shall be determined using the formula $P_f = C_e I P_g$ where:
 - C_e is given in Table A-16-A (generally $C_e = 0.7$)
 - I is given in Table A-16-B (generally $I = 1.0$)
 - P_g , the ground snow load, shall be determined by the local building official.
- Structural alloy 6061-T6 or equivalent.
- Maximum T-Bar spacing of 24".
- T-Bar and T-Bar Cap connected together w/ #10x $\frac{3}{8}$ " machine screws @ 12" o/c along top flanges



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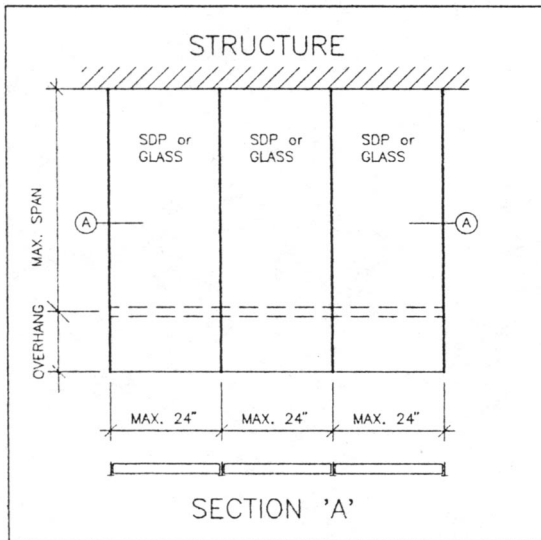
ABBOTSFORD: 853-8522
FAX: 853-0158

UNIVERSAL T-BAR 2986 AND T-BAR
CAP 2987 SCREWED TOGETHER
WITH ACRYLIC SDP OR GLASS ROOF

ROOF SNOW
LOAD P_f
(psf)

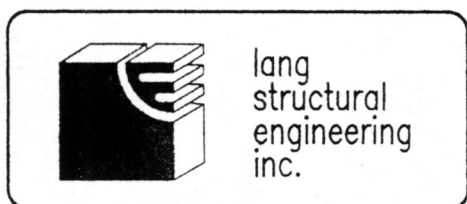
MAXIMUM
SPAN
(ft.-in.)

SELECTED
OVERHANG
(ft.-in.)



ROOF SNOW LOAD P_f (psf)	MAXIMUM SPAN (ft.-in.)	SELECTED OVERHANG (ft.-in.)
50	9'-0"	0'-0"
	9'-3"	1'-0"
	9'-6"	2'-0"
	10'-0"	3'-0"
55	8'-9"	0'-0"
	8'-9"	1'-0"
	9'-3"	2'-0"
	9'-9"	3'-0"
60	8'-3"	0'-0"
	8'-6"	1'-0"
	8'-9"	2'-0"
	9'-3"	3'-0"
65	8'-0"	0'-0"
	8'-3"	1'-0"
	8'-6"	2'-0"
	9'-0"	3'-0"
70	7'-9"	0'-0"
	7'-9"	1'-0"
	8'-3"	2'-0"
	8'-9"	3'-0"
75	7'-6"	0'-0"
	7'-6"	1'-0"
	8'-0"	2'-0"
	8'-6"	3'-0"

- Minimum roof live load is 20 psf as specified in Table 16-C of 1994 U.B.C.
- As specified in Section 1637 of 1994 U.B.C., the value of roof snow load, P_f , shall be determined using the formula $P_f = C_e I P_g$ where:
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