

MULTI PURPOSE CANOPIES

Domestic and Commercial

Assembly Instructions

YOUR FIRST TASK IS TO DECIDE WHERE TO INSTALL YOUR CANOPY TAKING CARE TO ENSURE THAT THERE IS SUFFICIENT SPACE. THIS WILL DEPEND ON THE SIZE OF THE CANOPY THAT YOU HAVE PURCHASED

Unpack the boxes and check that you have the following parts and fixing accessories:
Glazing panels, Eaves Beam, Posts, Wall plate flashing, 1 Pair Rafter bar closures, Leg fixing shoes, End Plate Covers, Gutter Pack which includes gutter, pipe and brackets

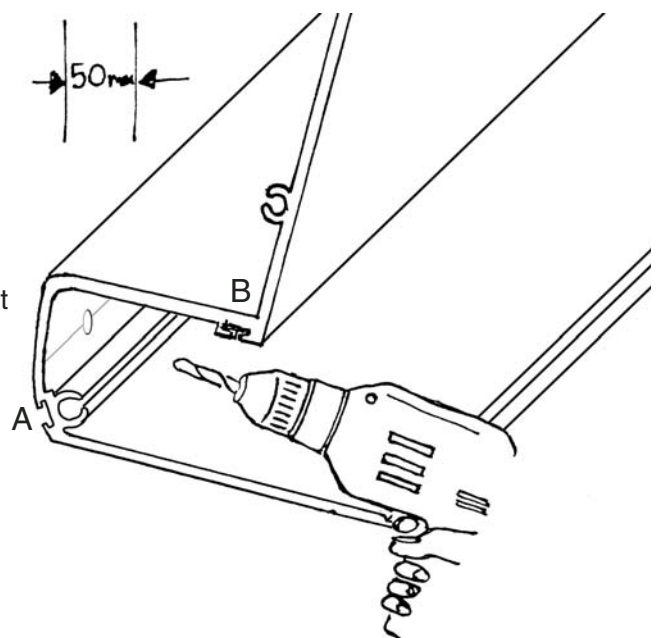
Remember when assembling your canopy that all the screws in the 'Panel Fixing Pack' have protective caps and these are included with the screws. The cap is pressed on to the screw when the screws have been fully tightened.

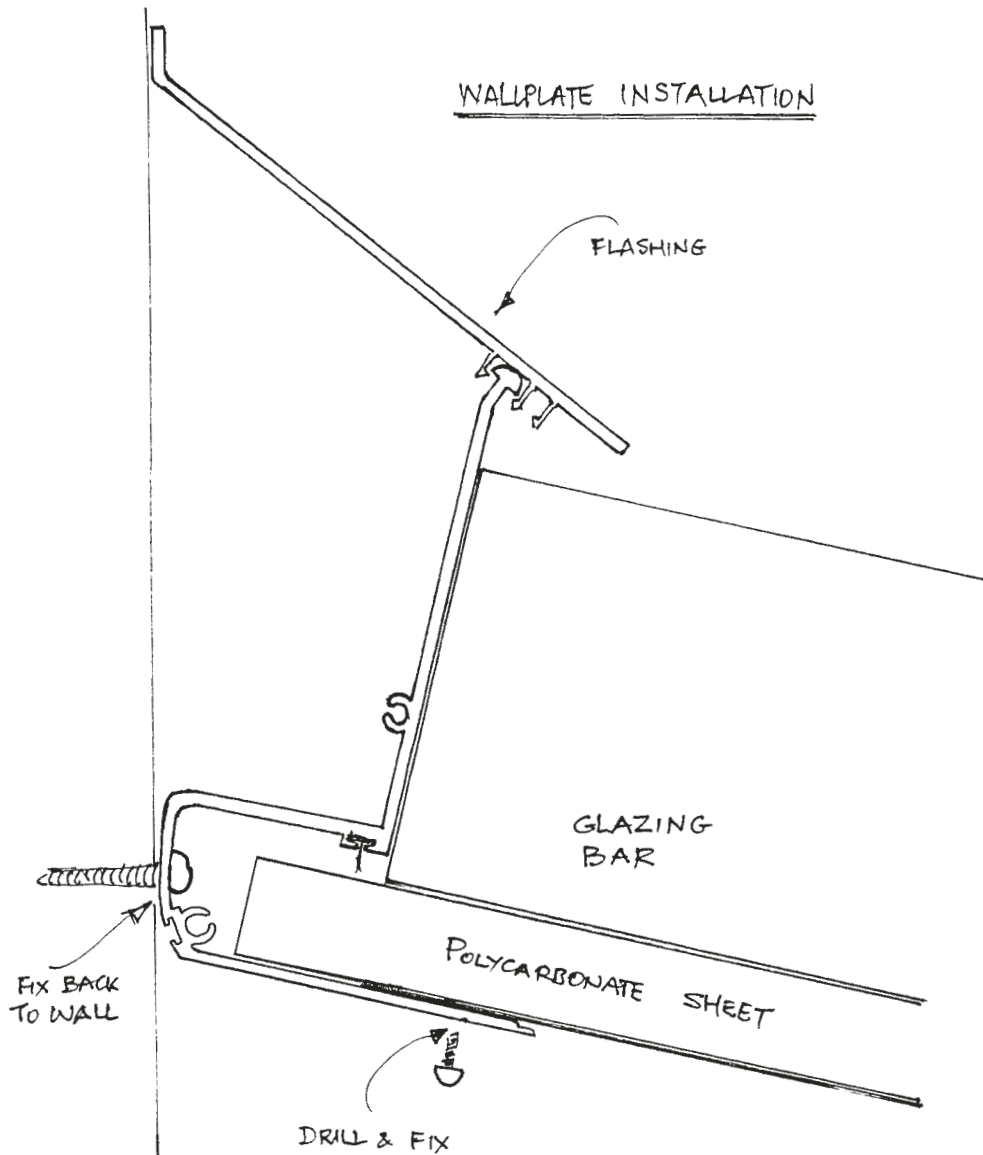
PLEASE NOTE

There are no fixings supplied for fixing the Wall Plate, Wall Plate Flashing or the guttering.

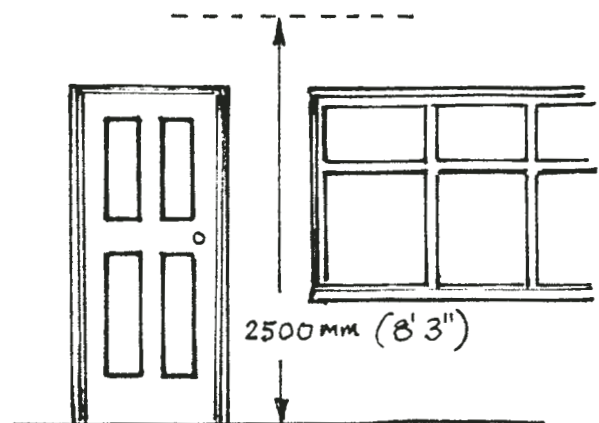
Installation starts here:

- 1) Drill holes in the Wall Plate 50mm in from each end and in the centre of the vertical flange, then drill further holes at equal centres (450mm intervals will be sufficient).
- 1a) You **MUST** ensure that you provide a secure concrete fixing base for your bottom leg shoe bracket to be fixed to. The base must be at least 300mm in depth and at least 300 square.
- 1b) If you are fitting a gutter kit ensure that your roof panels do not overhang your Eaves Beams by more than 40mm. This will allow rainwater to run into the centre of the gutter.
- 1c) Slide the weather seal gasket into slots A and B. Silicone spray lubricant may be used to ease fitting.





- 2) Face the wall where you intend to erect Your Canopy. At the right hand side of where it will be sited, mark the wall in preparation of the first step towards fixing the wall plate. Measure 2500mm(8'3") from the ground offer up the Wall Plate, mark the right hand hole and drill. The Wall Plate may be fixed at a higher level, but we recommend a minimum of 2360mm(7'9") to the underside.

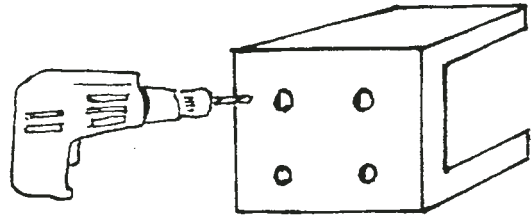


- 3) Fix the right hand side of the Wall Plate to the wall at the point previously marked using suitable fixings

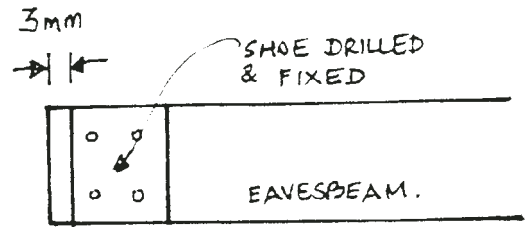
- 4) Raise the left hand side of the Wall Plate to a horizontal position. Using a spirit level, ensure that the Wall Plate is level then mark and fix. Mark for the rest of the fixings. Drill the wall and fully secure the Wall Plate using suitable fixings.

Next put together the front support which when assembled will look like goal posts. The cross bar is called the Eaves Beam. **NOTE: ENSURE LEGS/POSTS ARE LEVEL AND CHECK WALLPLATE AND EAVES BEAM ARE LEVEL AND RUN PARALELL TO EACH OTHER**

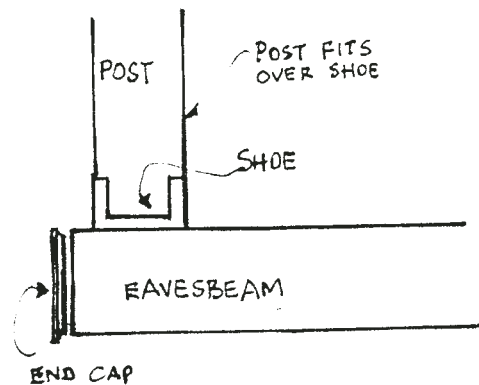
- 5) Drill the top two 'U' shaped shoes to take 4 fixings No.14 x 19mm hex head self-tapping screws. One shoe will be fixed at each end of the Eaves Beam.



- 6) Fix the 'U' shaped shoes to the Eaves Beam 3mm from the end (as shown in the illustration), drill and secure the shoes using No.14 x 19 screws provided in the leg fixing pack. **See fig 1**

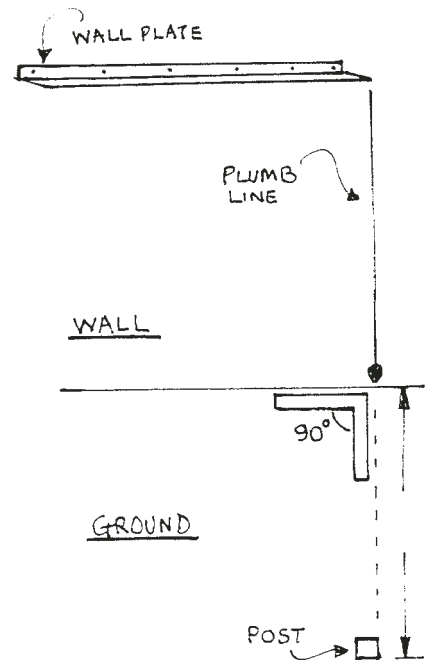


- 7) Take one of the posts and fit it over the shoe. Secure the leg to the shoe by using one M10 X 80mm long fixing stud capped both ends. Carry out the same procedure with the other posts (or further posts if your Canopy has an extension). Fix the end caps into both ends of the Eaves Beam using screws and caps provided. **See fig 1**



When fixing eavesbeam ensure central web is Horizontal and the narrow face is to the front.

- 8) Drop a plumb line down the right hand side of the Wall Plate and mark the wall and the floor with chalk. To determine the horizontal distance from the wall to the outside face of the Eaves Beam & support posts please use the following table. Use a set square to achieve a right angle. **See fig 7**



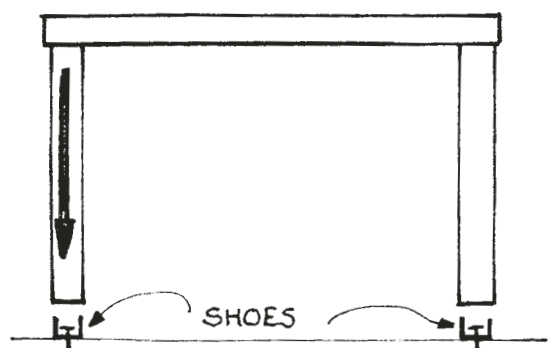
Draw the outline of the post on the ground. Where you have marked the posts on the ground, drill and fix an 'U' shaped bottom leg shoe (that has two holes in the bottom flange) using the two frame anchors supplied (10mm x 80mm long). **See Fig. 2**

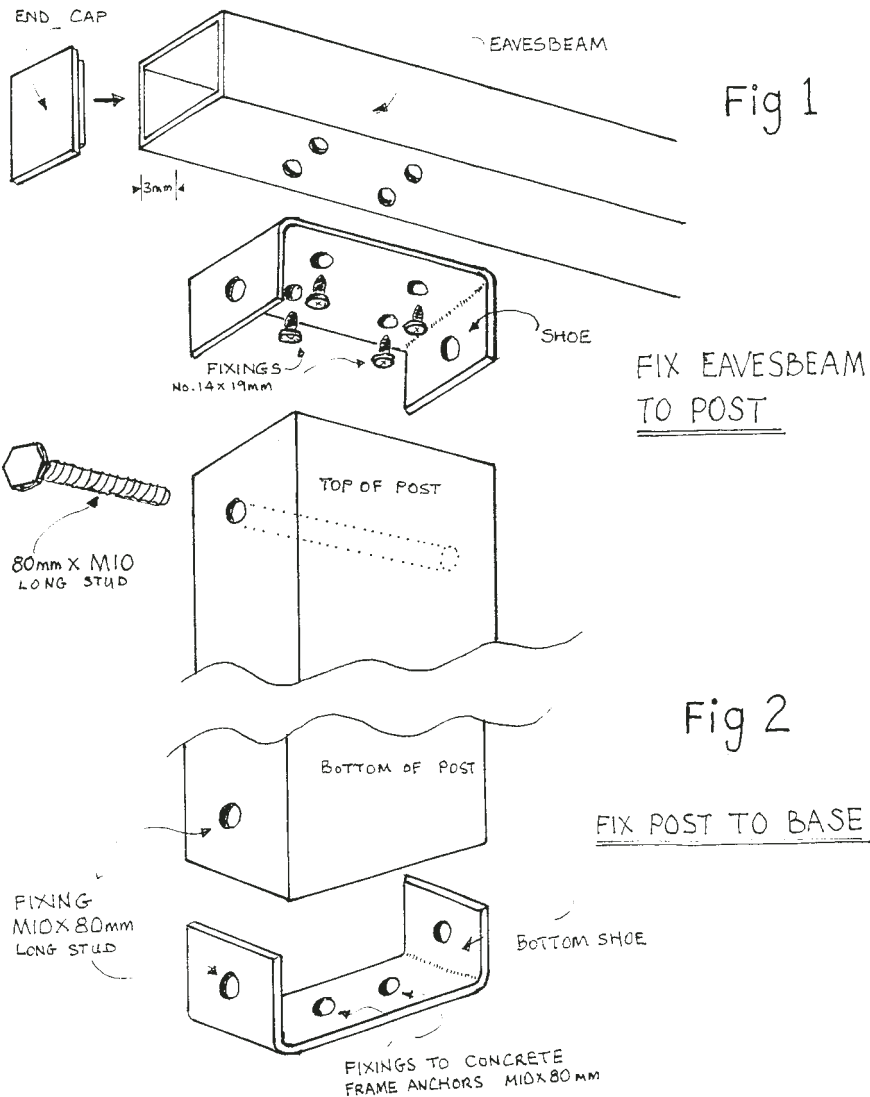
IT IS IMPORTANT THAT THESE TWO FIXINGS ARE SECURED IN A GOOD FOUNDATION AS SPECIFIED EARLIER.

The next part of the installation **may require assistance.**

Raise the Eaves Beam and posts to the vertical position, place the right hand post over the shoe. Check that the measurement back to the wall on the left post is the same as the right hand post by measuring the diagonals. Again, fix the shoe into place. If there are more than two posts carry out the same procedure for each post.

- 9) Place the posts over the shoes and using a spirit level, check that they are upright. Secure the legs to the shoes by using the same fixings as you did at the top of the leg (M10 x 80mm long stud) capped both ends. The post will need to be supported until the first glazing panel has been fixed.



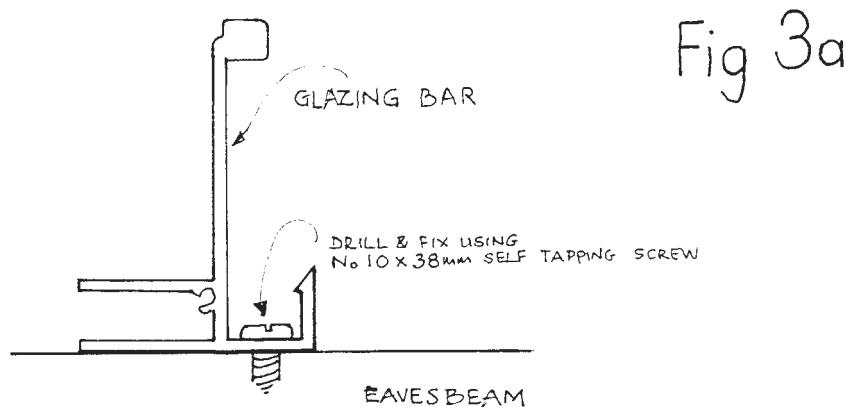


Roof glazing panels – positioning and fixing

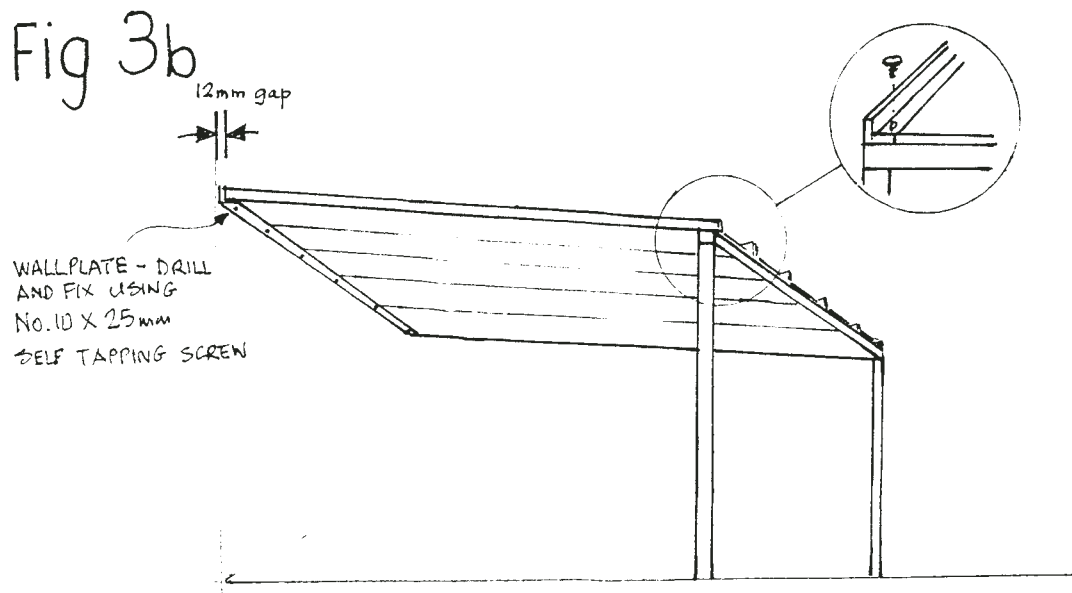
NOTE: A gap of approx. 12mm must be left between the back end of the panel and the upright flange of the Wall Plate. The **TOP SIDE** of the panel is identified by having a **PRINTED** or **BLUE TINTED** protective film. The underside has a plain clear film.

NOTE: ENSURE LEGS/POSTS ARE LEVEL AND CHECK WALLPLATE AND EAVES BEAM ARE LEVEL AND RUN PARALLEL TO EACH OTHER.

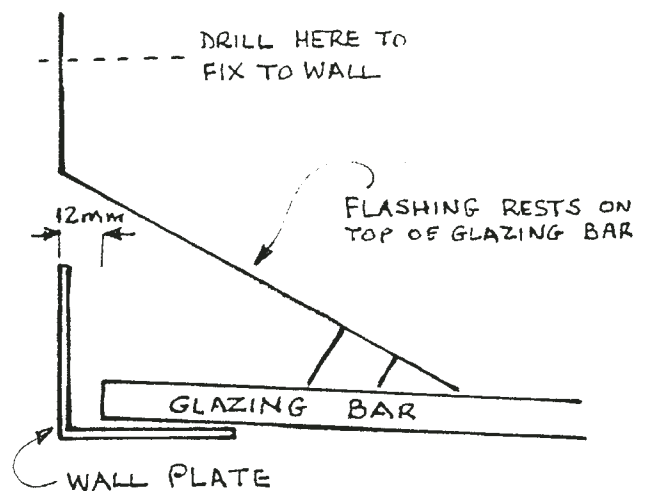
IMPORTANT NOTE: Before installing your glazing panels check that the polycarbonate sheets are correctly fitted into the glazing bar. It is possible that the sheet could have been forced too far into the bar during delivery. When installed the distance the centre of each bar should be 610mm. Check these dimensions before fixing the panels. (see Fig. 6)



- 10a) Domestic/10mm canopies only: Affix the foam tape supplied onto the underside of the polycarbonate sheet, between the aluminium rafters.
- 10b) Take the first glazing panel (leaving the protective film in place) and position the panel on the Wall Plate and Eaves Beam so it is flush with the ends.
 Don't forget to leave **approx 12mm** space as noted above. Also allow the panel to overhang the Eaves-beam by 40mm so that rainwater will discharge properly into the gutter.
 Once the first panel is in place drill up through the Wall Plate and into the side section of the Glazing Bar. Using a No 10 x 25mm self tapping screw and cap provided, secure the panel. Repeat on the other side.
 Secure the front end of the panel drilling down through the Glazing Bar and Eaves Beam and fix with No 10 x 38mm screw cap provided. Repeat on the other side. **See Fig. 3a and 3b**



- 11) At this stage it is advisable to fix the UPVC Flashing to the structure, this is positioned above the Wall Plate and is fixed to the wall and rests on the top of the Glazing Bars. Firstly drill the flashing through the plain top flange at 600m centres. After positioning the first panel, locate the UPVC Flashing and fix it to the wall where it is above the first panel. At this point remove the protective film from the panel and then add and secure all other panels removing the protective film as you go and fixing the Flashing above each panel as it is erected.
 NOTE: Ensure that the front edges of the Panels are in line with each other.



- 12) On the underside of the Glazing Bar there is a centre guide. This is a small indentation running down the centre of the complete length of the Glazing Bar.
 The interlocking Glazing Bars **MUST** be fixed together.
 Mark the Glazing Bar on the centre guide 150mm from each end and then also at approx centres as per **Fig.5**. Then taking care, drill through **the bottom flange only** of the Glazing Bar. Secure with screws and caps provided (No.10 x 19mm self-tapping) in 2 panel fixing pack. **See Fig. 4a & 4b**.

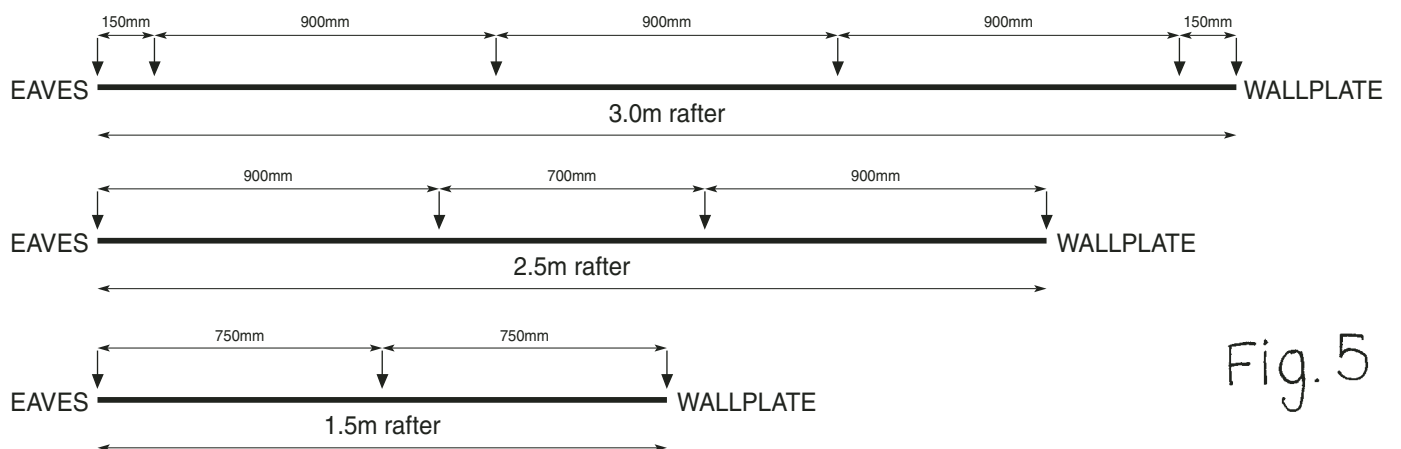
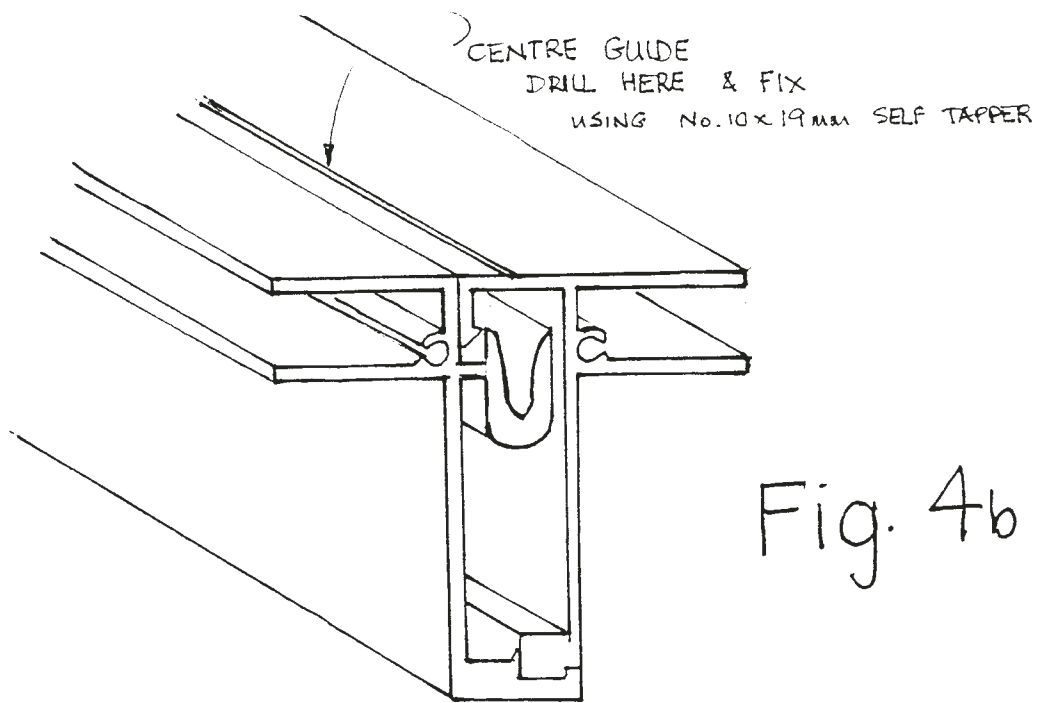
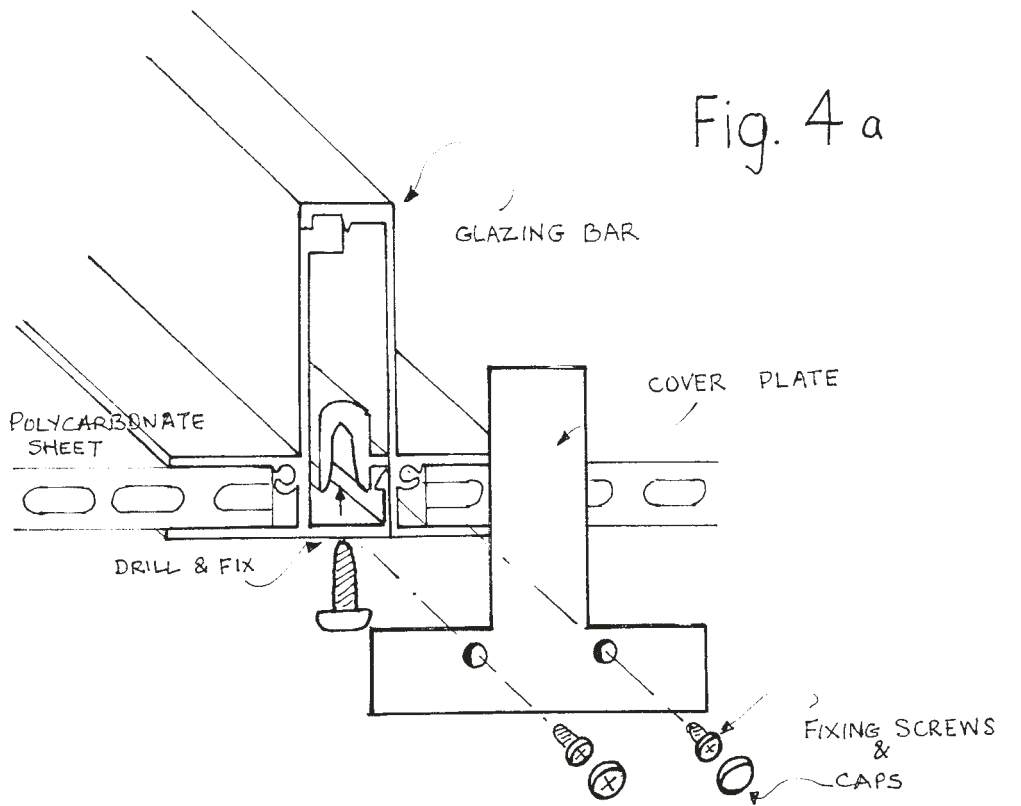
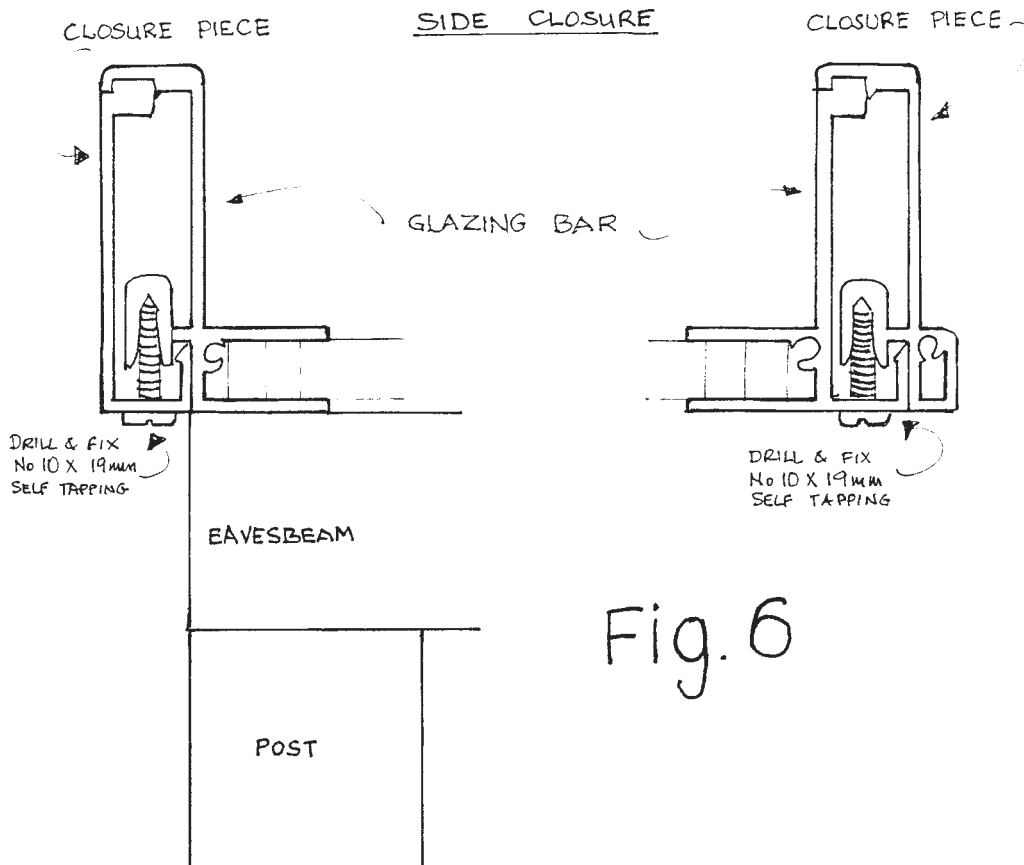


Fig. 5



- 13) To finish the roof of your Canopy there are two closure pieces which fit to the sides of each end panel, the shape of each one is different, one is for the left side and one is for the right. These are fitted in the same way as the bars on the panels are fixed together as described in section 12, make sure to drill at the "centre guide".

NOTE: these will overhang the end of the Wall Plate and Eaves Beam and give a neat professional finish. See Fig.5

- 14) Finally secure the 'T' and 'L' end plate covers to the front end of the Glazing Bars using the screws and caps provided in the end cap fixing pack.

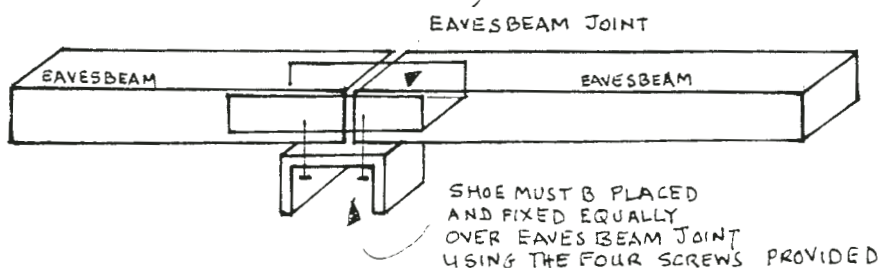
15) **Joining the 2 Eaves Beam together.**

We suggest that you place the small 'U' shaped shoe centrally into the 'U' shaped joining piece and mark its position in pencil. Next step is to drill 4 holes through the small shoe described in previous step 5. Using the small shoe as a template place it back into the extended 'U' section and mark the position of the holes. Remove the small shoe and drill 4 holes through the base of the extended 'U' section. Now butt up together the two Eaves Beams and again using the small shoe as a template mark and then drill the screw fixing points on the two Eaves Beams.

You are now ready to join the small shoe, the internal extended shoe and the Eaves Beams together.

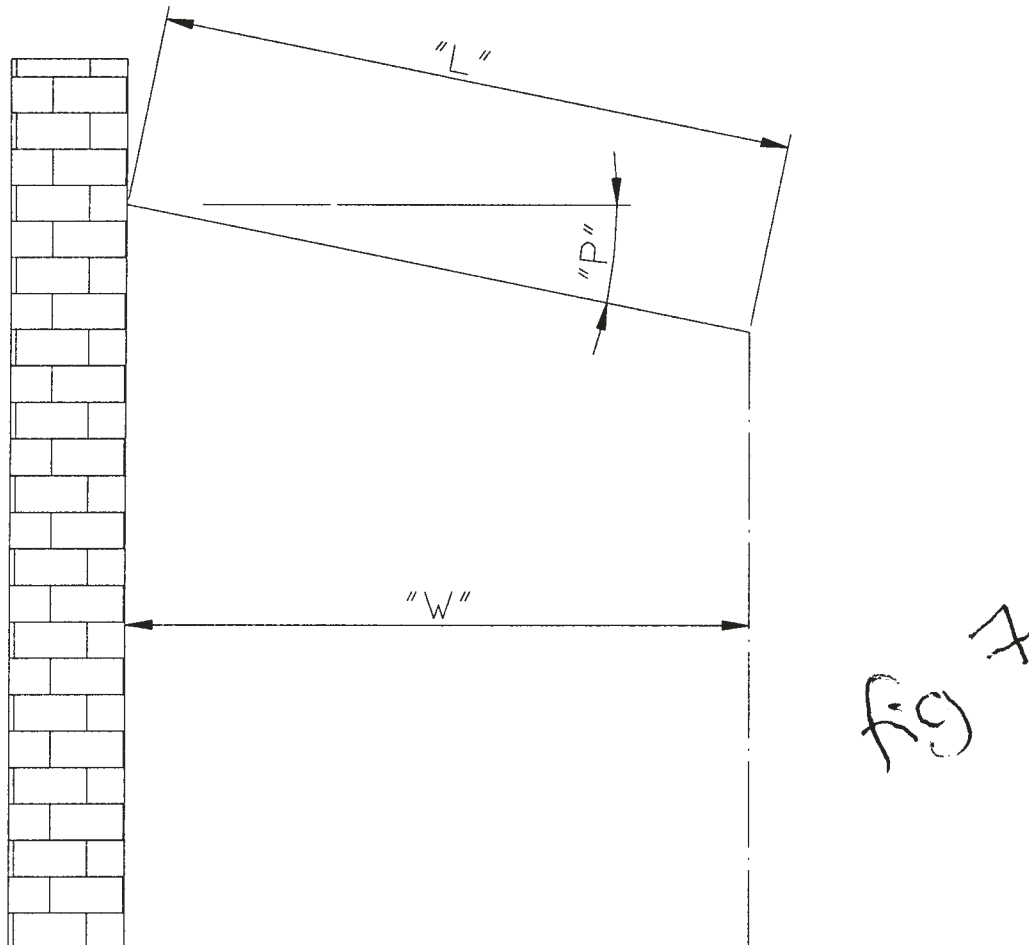
However, to make this process a little easier we suggest that you increase the diameter of the holes on the small shoe and Eaves Beams by using a slightly larger drill bit (e.g. 6mm)

Fix the 2 shoes into the Eaves Beams and then slide on the second Eaves Beam. Once all parts are properly located tighten up all screw fixings. You are now ready to slide the support post on to the shoe. Fix as previously described in point 7.



16) **To install the PVCu Rainwater System**

Starting at one end simple fix the gutter support brackets to the face of the Eaves Beam at equal centres not exceeding 1 metre. Choose one end to locate the Stop End Outlet and position it so as to allow the rainwater downpipe to be aligned with the end support post of the Canopy. Attach the two Pipe rackets to the post ensuring one is located at approximately 500mm down from the gutter with the other fixed around the downpipe shoe.



	"L" SPAN LENGTH		
	1500mm	2500 mm	3000mm
"P" = 5 DEG	W = 1494 mm	W = 2490 mm	W = 2988 mm
"P" = 7.5 DEG	W = 1487 mm	W = 2478 mm	W = 2974 mm
"P" = 10 DEG	W = 1477 mm	W = 2462 mm	W = 2954 mm