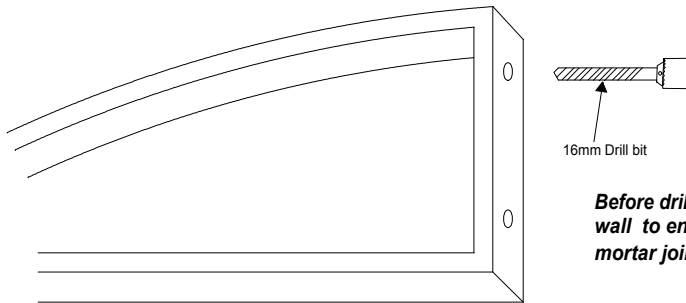


## **Advanced Cantilever Roof System**

### **Installation Instructions**

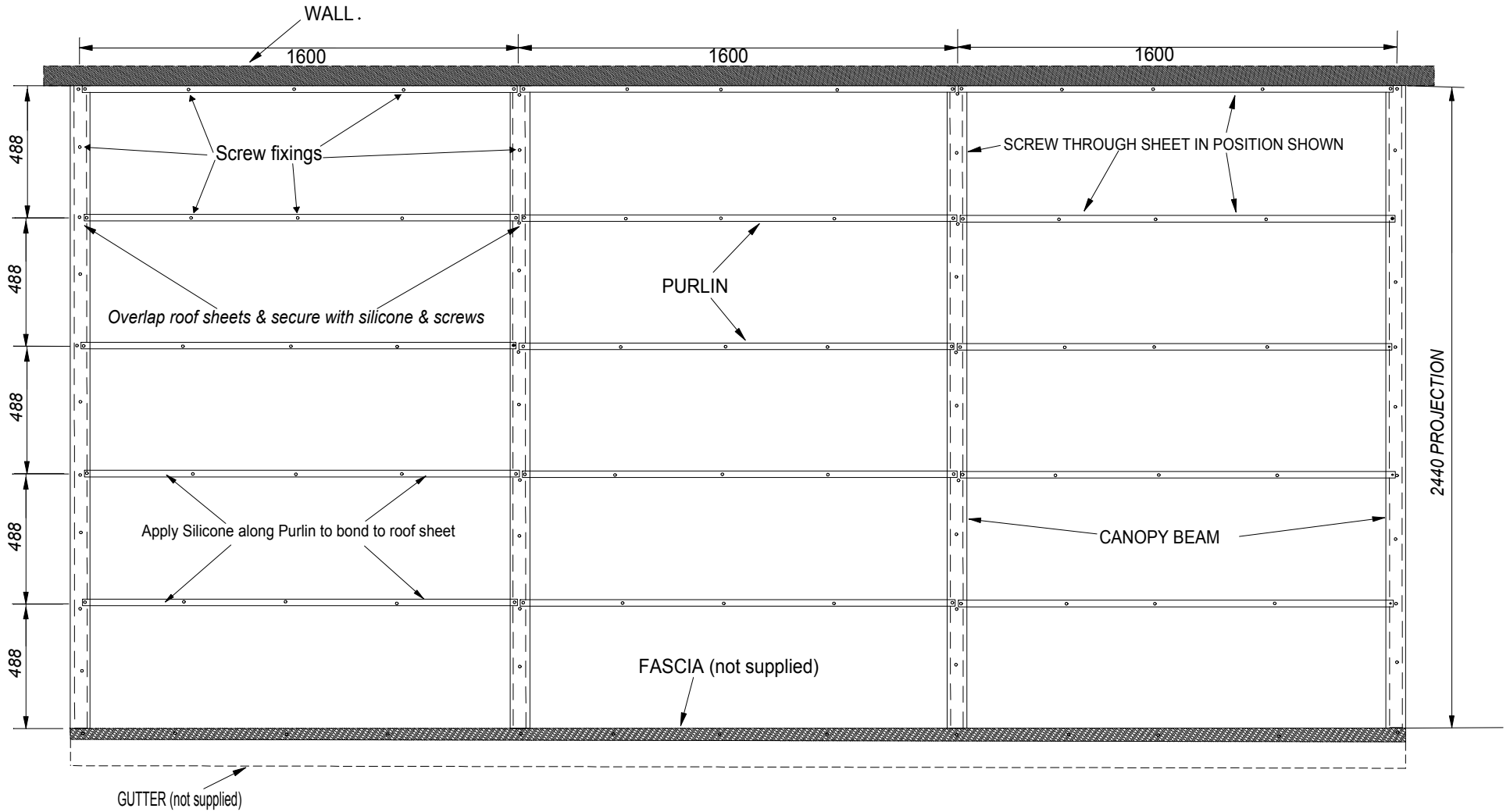
- 1 Check where canopy is to be positioned. Normally height is approximately 2134mm from the ground to the underside of the beam. Check hatchback car 5th door open height. Roughly work out the beam centers at 1600mm to avoid pipes etc.
- 2 Unpack beams. Using a 16mm wood bit, drill a hole in the broadest end of each beam, approximately 60mm from the top and approximately 30mm in from the outside edge.



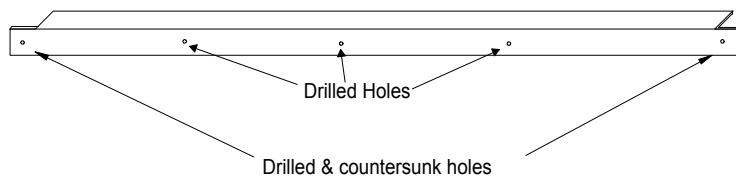
**Before drilling holes measure down the wall to ensure that each hole avoids mortar joints.**

- 3 Take first beam and mark through top hole onto brick where it is to be fitted (always drill center brick and not mortar joints).
- 4 Drill top hole with 16mm masonry bit through brick and into cavity. This is almost the length of a standard 16mm bit. Bolt should open up inside the brick.
- 5 Place a bolt in beam and insert into wall making sure the head of the bolt is nipped up.
- 6 Hammer bolt home, preferably using a 'nylon' hammer or block of wood and metal hammer to prevent damage to bolt head. Tighten bolt securely but not fully.
- 7 Check the beam is 'square on' to the wall then mark bottom hole.
- 8 Push beam to one side and drill bottom hole.
- 9 Level and fit one aluminium purlin to form a wallplate. This then lines across and gives the location of the next beam. Fix all beams and purlins using this method. Fix all other aluminium purlins to form sheet supports at approximately 610mm centers from the wallplate.
- 10 Before fascia is fitted, level all beams to the wall using packings as required. Re-torque bolts.
- 11 Cut fascia to length, notch out to suit end beam fascia platform and fit.
- 12 Lift on the first roof sheet to wallplate and then to end beam. Lift on second roof sheet, centralize and overlap onto first sheet. Before screwing sheet to wallplate, through the first sheet and into the second beam, again check squareness of sheets to fascia. Silicone roofsheets and end beam/roofsheets joints with clear silicone. A bead of clear silicone along each purlin will stop any 'wind chatter' at later stages.
- 13 Flashband/seal sheet/wall joint. Wipe down Concept Canopy.
- 14 Now install rainwater goods if required to match existing items.
- 15 Installation is now complete.

**To maintain the looks of your canopy, simply wash down with warm soapy water at regular intervals**



**PURLIN DRILLING DETAIL**



**PURLIN SPACING**

2440, 2290 & 2140 lengths all have 4 Purlins plus 1 Purlin as a wall plate

1990 has 3 Purlins plus 1 Purlin as a wall plate

*ALL SPACED EVENLY ALONG THE PROJECTION*

The 940 Door Canopy has 1 Central Purlin plus 1 Purlin as a wall plate

# Frequently Asked Questions

## ***What about the stress factor on the wall?***

The stress on the wall is negligible due to the flexibility and the lightness of the GRP beams.

## ***What about cement block, breeze block, and single leaf buildings?***

Fine as long as the construction is solid.

## ***What about rendered walls such as pebbledash?***

When fixing to a rendered wall it is advisable to remove the rendering where the beams and sheeting will lie against the wall.

(remove a thin line first to see the position of the mortar lines)

## ***What about bungalows?***

It is possible to fix the Concept Canopy to a bungalow. There should be at least 900mm of brickwork above the top bolt in the beam. Whether this is feasible will be determined by the height of the wall. If it is not possible to have 900mm above the top fixing, but it is possible to fix the canopy at the top of the wall, then brackets as shown below should be used. These are available as an option from us.

