

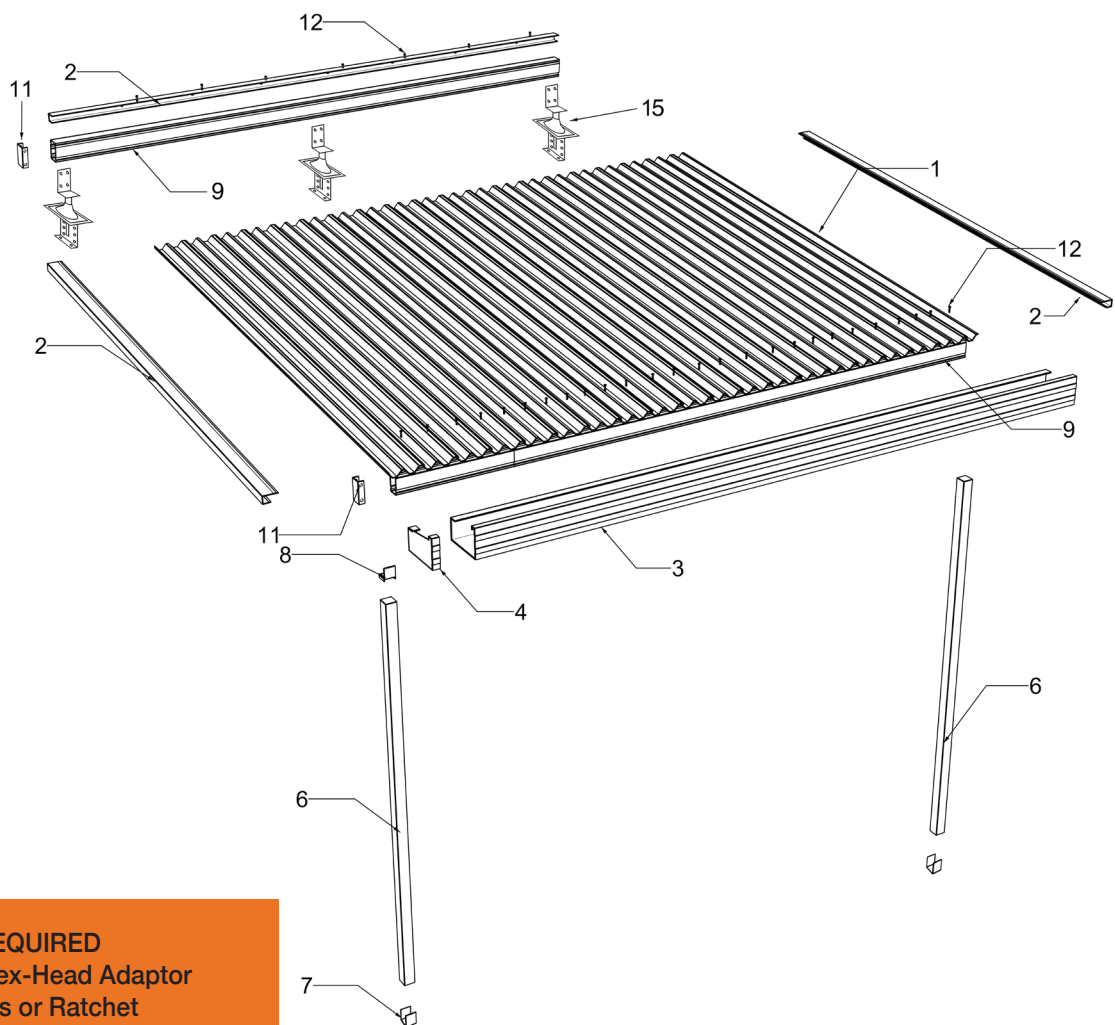


SLIMLINE

HIGH GLOSS PATIO ROOFING

FLYOVER SLIMLINE ROOF for VERANDAH / AWNING / PATIO

**Your complete guide to building a
flyover verandah, awning or patio**



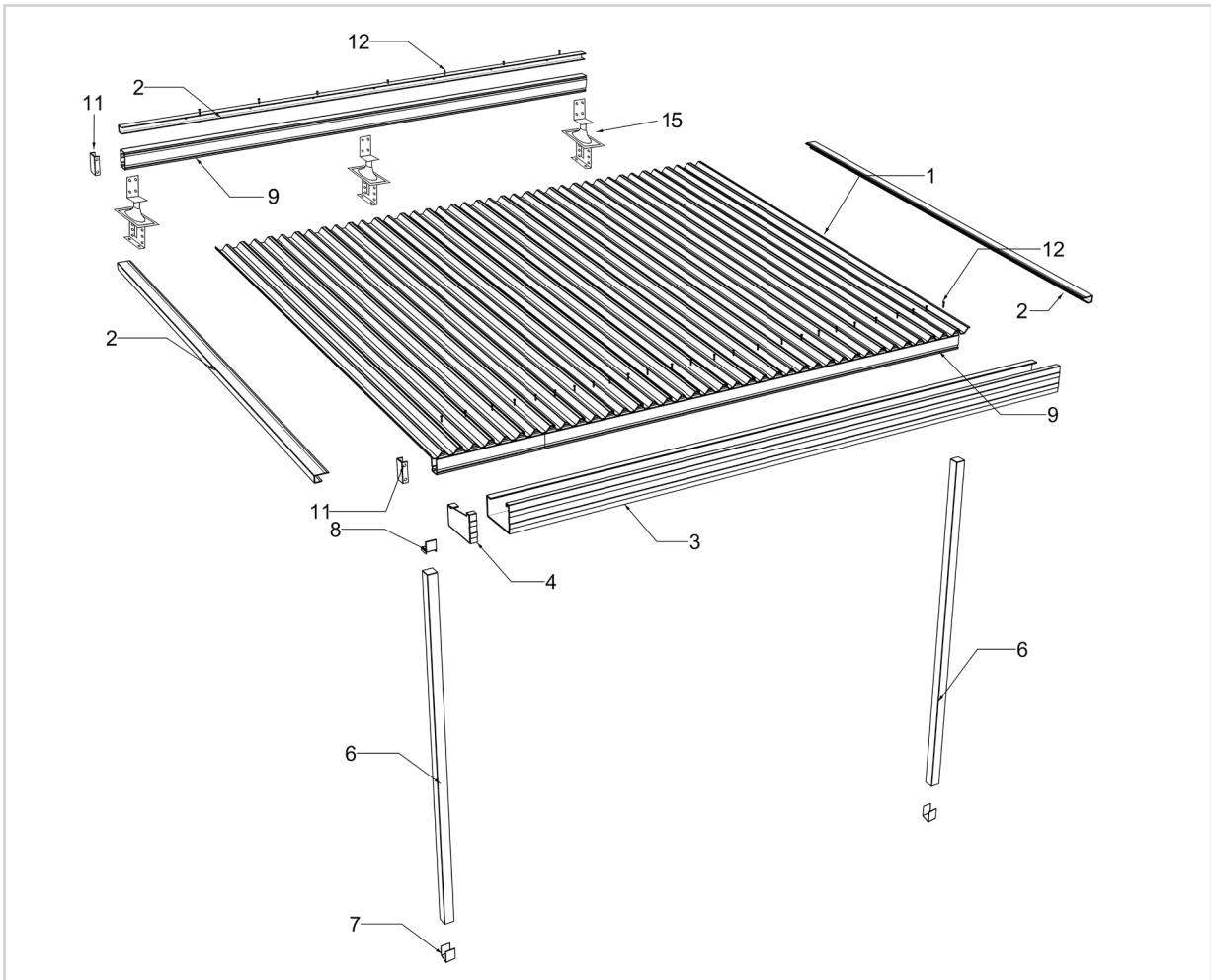
TOOLS REQUIRED

- Drill & Hex-Head Adaptor
- Spanners or Ratchet
- Tape Measure
- Spirit Level
- Silicone Gun
- Neutral-cure silicone
- Ladder
- Hacksaw
- Rivet Gun
- Tin Snips
- Stringline
- Adjustable Construction Props

Distributed by:

FLYOVER ROOF

1.0 LAYOUT OF COMPONENTS FOR A SINGLE ROOF

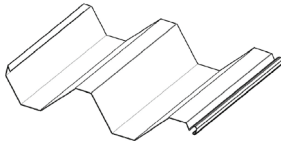


1.0 LAYOUT OF COMPONENTS FOR A SINGLE ROOF

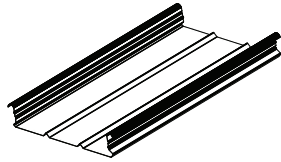
Item	Component	Item	Component
1A	Slimline W300 Roofing	9	Beam
1B	Slimline FLAT Roofing	10	Beam Join Connectors
2	Receiver and Side Channel	11	Beam End Caps
3	Gutter	12	Screw SD Hex Neo Class 4 12-14x20
4	Gutter End Caps	13	Rivets A/S 3.2mm Colour
5	Gutter Brackets	14	Wafer Head 10-16 x 16 Class 4 Colour
6	Posts	15	Extenda Bracket
7	Post Base		
8	Post/Beam Connectors		

2.0 PARTS DESCRIPTION

1A Screw SD Hex Neo
Class 4 12-14x20



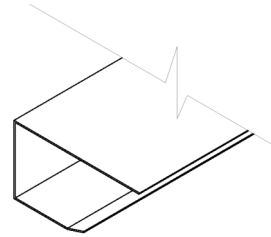
1B Roof Sheet Slimline
FLAT



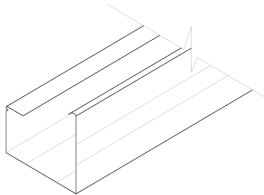
1C Corrospan 762 Roof
Sheet



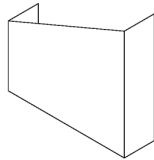
2 Back & Side Channel



3 Gutter



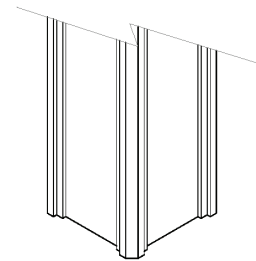
4 Gutter End Caps



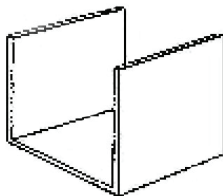
5 Gutter Brackets



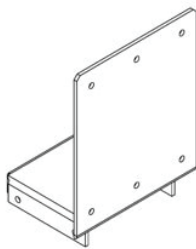
6 Posts



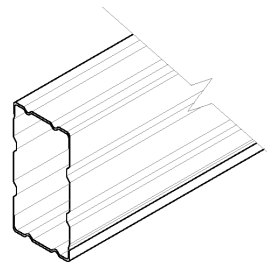
7 Post Base



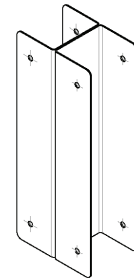
8 Post/Beam Connec-
tors



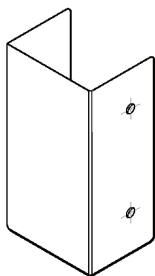
9 Beam



10 Beam Join Connec-
tors



11 Beam End Caps



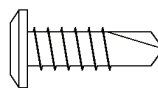
12 Screw SD Hex Neo
Class 4 12-14x20



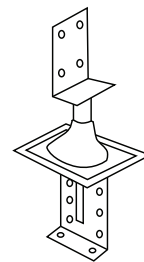
13 Rivets A/S 3.2mm
Colour



14 Wafer Head 10-16x16
Class 4 Colour



15 Extenda Bracket



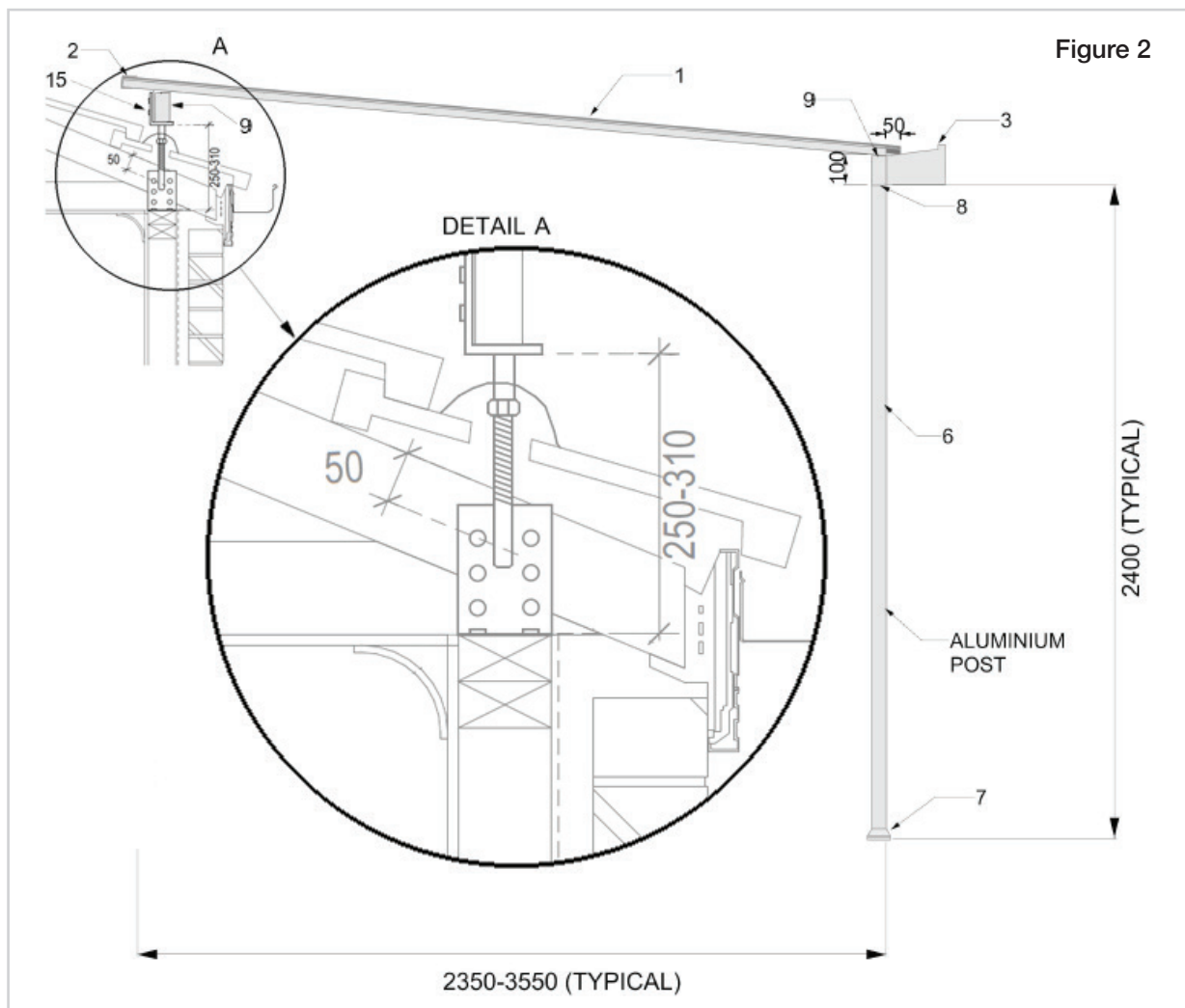
3.0 OVERVIEW OF INSTALLATION PROCEDURE FOR FLYOVER ROOF

The flyover roof is secured to the building wall and concrete slab as shown in Figure 2

The steps to install the flyover roof are generally as follows:

Figure 2

- Install Extenda Brackets (item 15).
- Install rear beam (item 9) to Extenda Brackets.
- Install both post bases (item 10) onto the concrete slab If required, cut the posts (item 6) to length.
- On the ground, install the beam end caps (item 11) and connect the beam (item 12) to both posts.
- Lift the assembled beam and posts into position on the post caps and temporarily brace the posts.
- Install side channel (item 2) to one side of the first section of roof sheet (item 1).
- Lift the first section of roof sheet into the back channel and secure.
- Install the second section of roof sheet.
- Continue installing the remaining roof sheets in the same manner.
- Install the side channel (item 2) onto the last section of roof sheet.
- Install the rear channel (item 2) onto roof sheets.
- Secure the roof sheets to the beams.
- Install gutter, gutter end caps, and gutter brackets (items 3, 4 & 5).



FLYOVER ROOF

4.0 BEFORE YOU START

Please read these instructions carefully before starting any installation.

The parts description on page 2 identifies all the components supplied and shows where each component is located.

5.0 LOCAL GOVERNMENT AND BUILDER

It is important to check with your Local Government Authority (Council) prior to installation of the flyover roof to confirm any building approvals that may be required and to confirm disposal of roof run off water

It is the Builders responsibility to ensure the existing structures are adequate to support the Insulspan flyover roof. If required, the Builder must adequately reinforce existing structures to accommodate the additional building loads imposed by the Insulspan flyover roof.

6.0 MARKING OUT THE BACK CHANNEL/FLYOVER ROOF LOCATION

Mark out the overall area of the flyover roof to ensure the location is free of any obstructions.

Ensure there will be no interference with existing door or window openings in the area where the flyover roof will be located against the existing building.

6.1 INSTALLATION OF THE EXTENDA BRACKETS AND REAR BEAM

Remove roofing tiles or lift roof sheets to achieve an opening to fit the Roof Extenda.

Bolt angle bracket with the threaded rod to the selected rafter with 2-M12 bolts.

Provision has been made to bolt the angle section to the existing wall plate to eliminate any uplift.

Replace roof tiles or roof sheet cutting the hole to allow the threaded rod to penetrate the roof.

The Weather Seal is fitted to the top bracket, top bracket is then wound down to the desired height and the lock nut tightened. Mark the position of the Weather Seal on the roofing. Slide the Weather Seal up to apply clear neutral cure silicone to the area marked, press the Weather Seal into position and finish with a bead of silicone to the edges of the Weather Seal to complete the fitting.

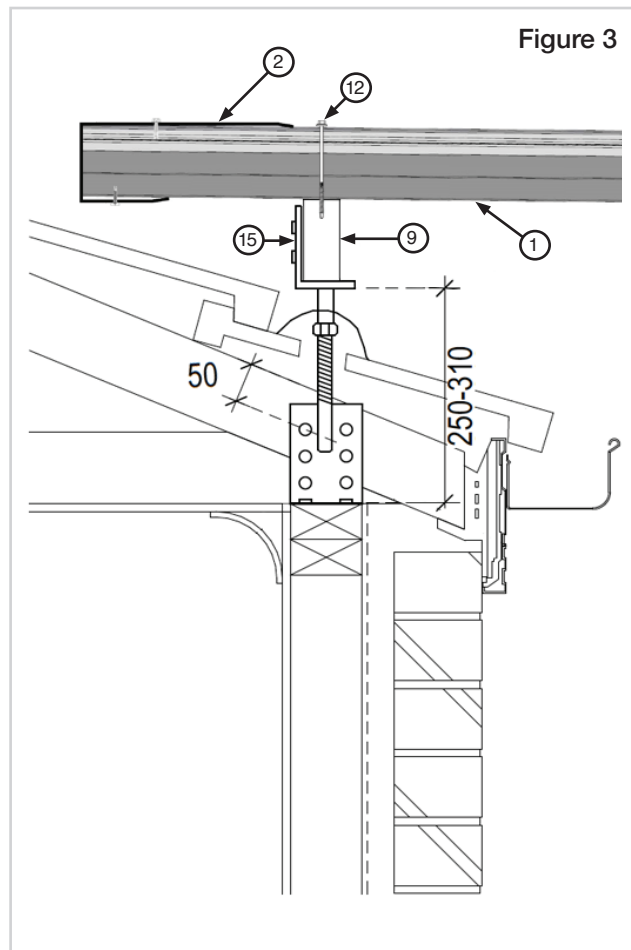


Figure 3 shows the assembly of the wall channel and the flyover roof.

7.0 POSTS/BEAM AND CONCRETE SLAB

7.1 FIXING POSTS TO EXISTING CONCRETE SLAB

Before installing the post bases to the concrete slab, ensure the position of the post bases has been correctly measured.

The post bases (item 7) must be installed and bolted to the concrete slab before installing the posts (item 6).

Measure and mark the position of the post bases on the concrete slab.

Drill holes for the dynabolts and bolt the post bases to the slab.

The posts are supplied in standard lengths and are normally cut to a shorter length to accommodate any variation in the slab height or the relative position of the receiver channel.

If required, cut the posts (item 6) to length.

Install the beam end caps (item 11) onto each end of the of the beam (item 9) using wafer head screws (item 13).

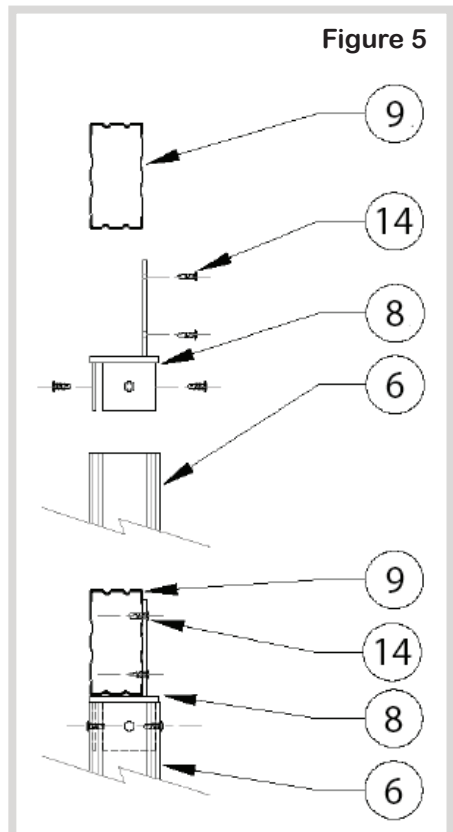
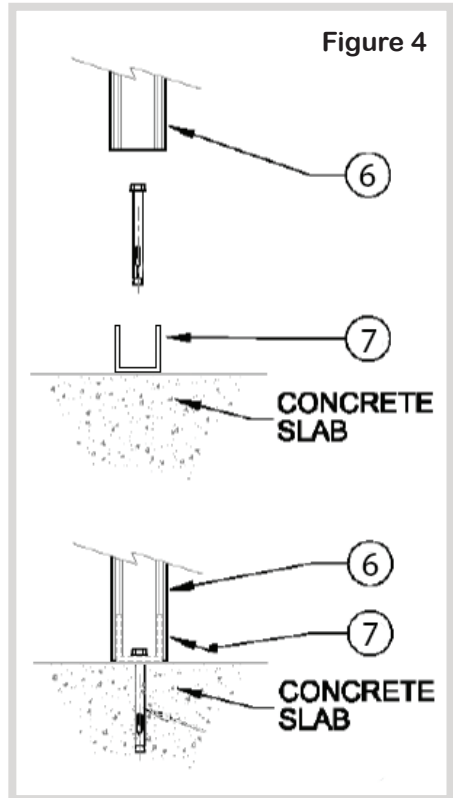
Install the post / beam connectors (item 8) into the beam (item 9) at the correct location and secure using wafer head screws (item 13).

Slide the posts (item 6) over the post / beam connectors (item 8) and secure using wafer head screws (item 13).

Lift the assembled beam and posts onto the post bases and temporarily brace the posts in the correct position.

Secure the posts (item 6) to the post bases (item 7) using wafer head screws (item 13).

The posts, Extenda Brackets and rear beam are now ready to install the roof sheets.



8.0 INSTALLING THE SLIMLINE ROOF SHEETS

Sheeting should be laid with the overlapping rib away from the prevailing wind. Ensure that all of the sheet overlaps are facing the same direction. Mark the back channel and front Alys span beam every 1000mm to check that the sheeting is laid square.

Begin installing the first sheet of roofing. Lift the first sheet into place and slide it firmly into back channel. Check the sheet is square against the back channel. At the back channel end, fix the sheets from underneath through the raised edge of the bottom of the back channel, using one wafer head screw per pan. Weather proof with silicone. From the top, fasten the roof sheet through the back channel using a 12-14 x 20 Neo Class 4 screw every second rib. At each supporting beam fasten down the sheet from above using one 12-14 x 20 Neo Class 4 self-drilling screw per pan. Remove any swarf. Lay each sheet over the side lap of the previous sheet and slide the sheet firmly into back channel. Fasten as previously described and remove any swarf.

Side Channel

To Install Side Channel, Insert channel (item 2) over the side edge of the first roof sheet that was installed. The Side channel must be inserted over roof sheet but in between the back channel. Fix Side channel to top of roof sheet using 12-14 x 20 Neo Class 4 self-drilling screws at 600 centres. Fix side channel from the bottom into roof sheet using wafer head screws at 600 centres. Repeat for the other side of the patio. Weatherproof with silicone.

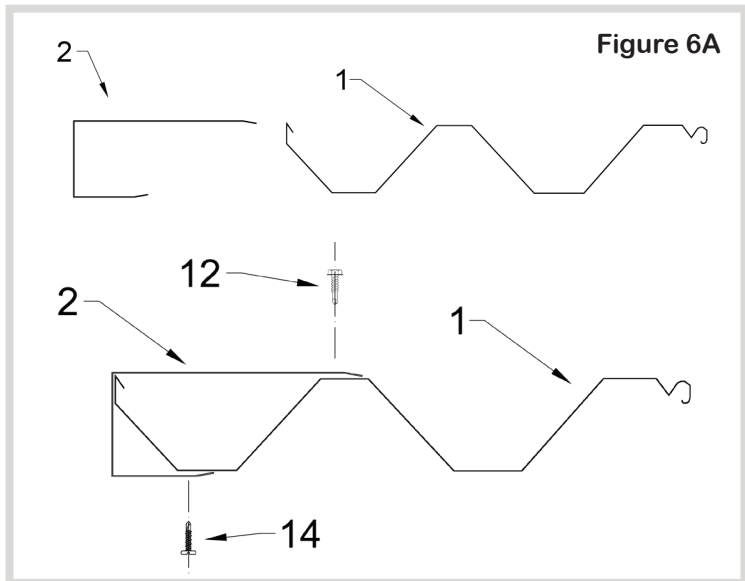


Figure 6A

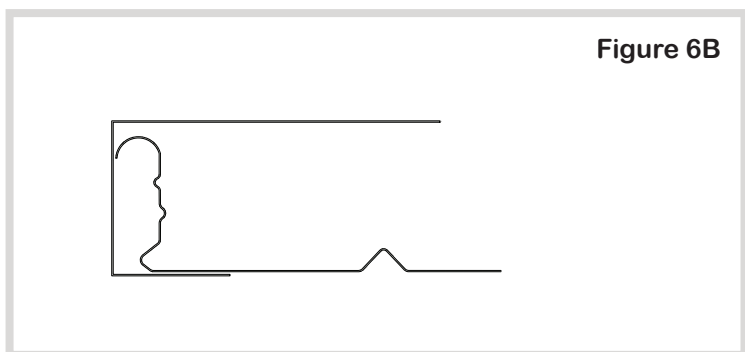


Figure 6B

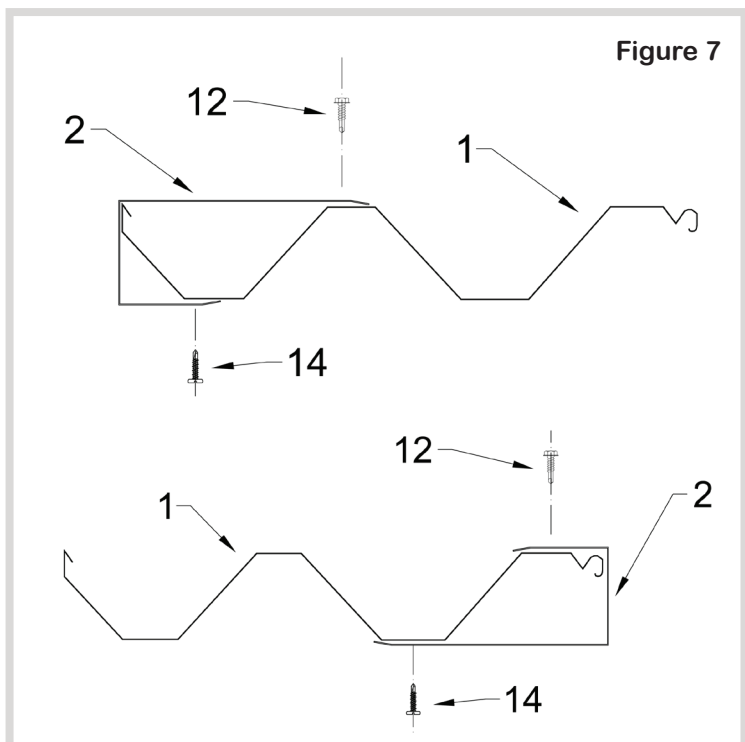


Figure 7

9.0 INSTALLING GUTTER

Preparing the Gutters

The back face of the front gutter should be the same length as the front Alysplan beam. Where more than one length of gutter is needed along a straight run, allow for an additional 100mm at the overlap. Cut the gutters to the correct measurements. Attach the stop ends to the side gutters using 3mm rivets, remove any swarf and weatherproof with silicone. Determine the position of the downpipe (this should be in line with a post) and cut a hole in the base of the gutter. Insert the gutter outlet from the inside of the gutter and rivet the outlet in place using 3mm rivets, remove any swarf and weatherproof with silicone.

Installing the Gutters

Temporarily fix the front gutter to the roof decking using clamps at 300mm centres. Adjust the position of the gutter to ensure that the roof decking overhangs 50mm into the gutter. Screw through the top of the roof sheet and back lip of the gutter at maximum 900mm centres, using 12-14 x 20 Neo Class 4 self-drilling screws. Starting from one end, insert a gutter clip into the higher end of the gutter and lower the flat side of the gutter clip onto the lower pan of the roof sheet. Fix gutter clip using a 12-14 x 20 Neo Class 4 screw through the clip, roof sheet and gutter lip. Repeat every 1000mm.

Alternate Post Connection

If using 50 x 50 square posts, attach two beam end caps to the adjacent faces of the corner post, with two Wafer head self-drilling screws. If you are fixing the posts into the ground, dig the first hole to the specified size. Place a half brick in the bottom of the hole. Measure from the top of the beam to the top of the half brick and cut the post to this length. Place the bottom of the post on the half brick. Slide the beam end cap at the top of the post, over the end Alysplan beam. Square the post using a spirit level and fix the beam to the beam end cap using wafer head screws. Do not concrete the posts into position at this stage, as this is done after the decking and gutters have been installed and a final check for squareness has been completed.

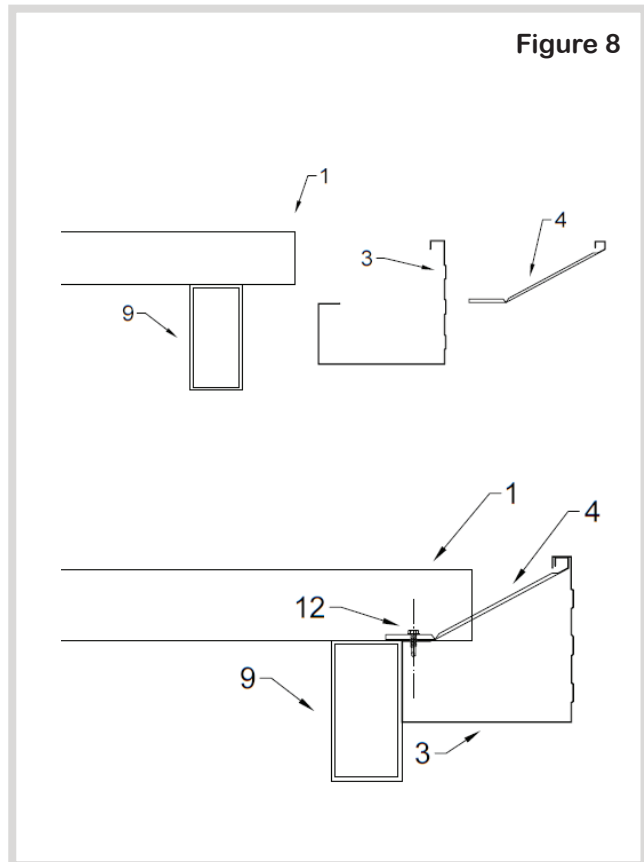


Figure 8

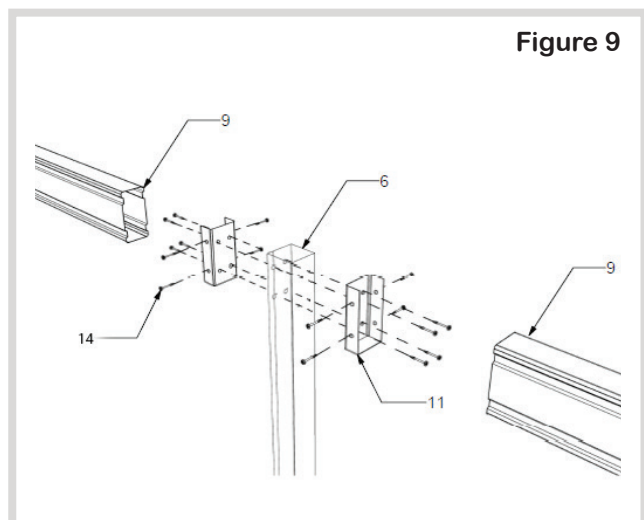


Figure 9