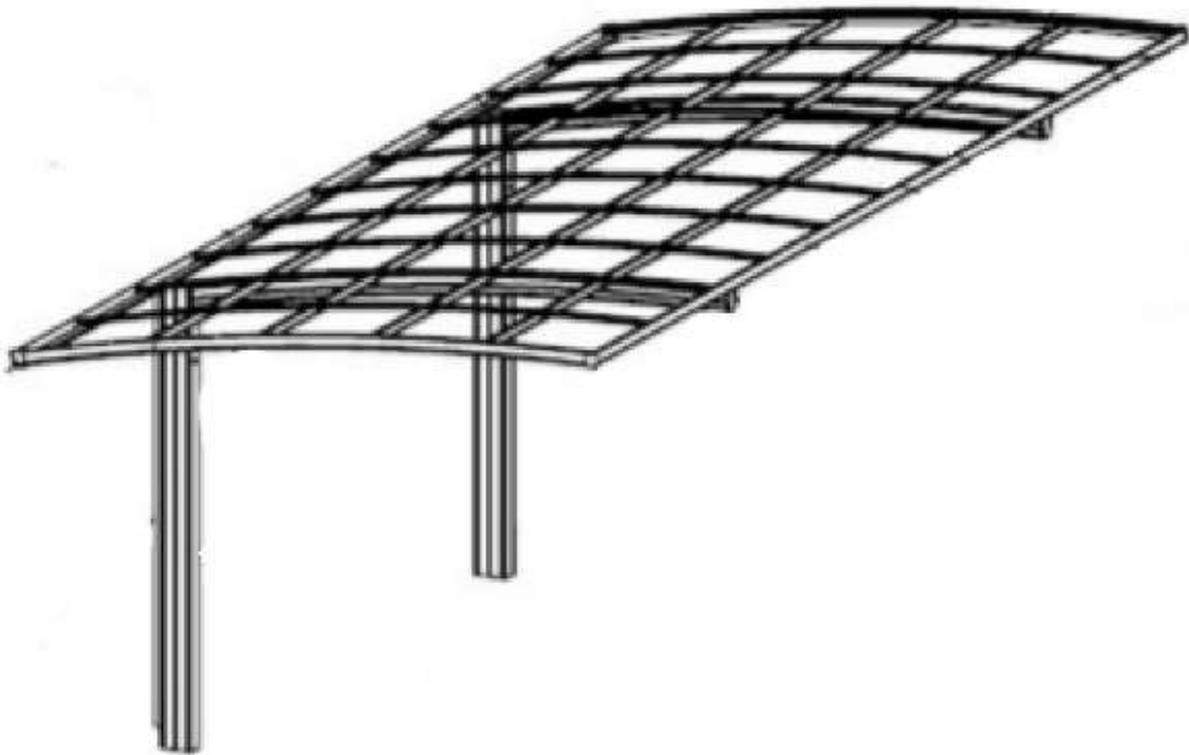


Cantilever Carport Manual

Product Code: 000BOM-978478-CARPORT

Assembly Instructions / Manual



PEOPLE REQUIRED:



Minimum 4 people required to complete assembly.

ADDITIONAL TOOLS REQUIRED:

Ladder	Rubber Hammer
Electric Drill	Shovel
Tape Measure	Screw Driver
Silicone Glue Gun	Scissors
Cutting Machine	
Level	

CAUTION:

Do not erect in windy or adverse conditions. Ensure area is clear of obstacles before you commence assembly.

Cantilever Carport Components Checklist:

Before assembling, please check all parts carefully and advise if you have any damaged or missing parts.

Part	Quantity	Image	Remarks	Part	Quantity	Image	Remarks
Post	2		3m long	Top Strip	11		3m long
Steel Bar	4		33cm long, installing posts to concrete base	Aluminium L Clamp	2		4 x 4cm, Screws into the back gutter tube and galvanised corner bracket. (Using screw #3)
Roof beam	2		2.76m long (slightly curved)	Silicone Sealant	1		Seal black plastic strip, to waterproof
Roof Beam End Cap	2		Inserts into Roof Beam	Black Plastic Strip	5.3M		Seal with silicone sealant for water-proofing
Galvanised Corner Bracket	2		Connector between Posts and Roof Beams.	Screw 1	16		M10*35 (10 Dia x 35L mm) Hexagonal head, with washer
Front Tube Connector	2		One for left side & one for right side. Corner Connector of roof frame	Plastic Screw Cap	16		Cover for Screw 1
Front Tube	1		5.45m long, used in the front to make roof frame	Screw 2 (50 Spare)	160		4.2*15 (4.2 Dia x 15L mm) Smallest Screw - Fastening top strips
Side Tube	2		2.9m long, curve to connect with the front & back tubes to make roof frame	Screw 3 (8 Spare)	160		4.2*16 (4.2 Dia x 16L mm) Short & Slim, assembling roof frame
Gutter Back Tube	1		5.45m long, used at the back of roof frame.	Screw 4 (20 Spare)	56		4.6*22 (4.6 Dia x 22L mm) - With plastic ring, with tapping screw thread
PC Sheet Holder	1		Screw onto Back gutter tube to hold 10 PC Sheets at the back	Drain Pipe Connector	2		Drain pipe kit
Back Tube Connector	2		One for left side & one for the right side. Corner connector for roof frame	Drain Pipe Base	1		Drain pipe kit
Horizontal Tube	4		5.45m long, used in the middle to make roof frame	Drain Pipe Holder	2		Drain pipe kit
PC Sheet	10		8 pieces 0.52m wide & 2 pieces 0.542m wide	Drain Pipe	1		4m long x 4cm dia
Bottom Strip	9		2.96m long				

Before You Begin

- Check local building codes regarding carport location and any other local requirements.
- Check the packing list to make sure you have all of the necessary parts.
- Separate everything in the cartons by the part number while reviewing the parts list.
- Be sure the day you select to build your carport is dry and calm.
- Two or more people should work together to assemble the Cantilever Carport. We suggest that one person positions parts while the other handles the fasteners and tools.

Safety Precautions

- Safety precautions are important to follow throughout the construction of your carport.
- Keep children and pets away from your worksite to avoid distractions and any accidents.
- Never concentrate all your weight on the roof of the structure. When using a step ladder or scaffolding make sure it's fully open and on a level surface.
- To avoid any damage, do not attempt to assemble the structure on a windy day. The larger panels can act as sails making construction difficult and unsafe.

Tips

- Keep Bolts and screws loose when raising and securing into place as this will allow for some flex during assembly and will make the process easier. Once secured in place, go back and tighten all bolts and screws.
- Peel off part number stickers and clean with soap/water.
- Use silicone to further weatherproof seals around the carport (not included).

Step 1: Prepare Posts

Selecting and Preparing Your Site:

- A solid Cantilever Carport starts with a level post foundation. This is the single most important factor in making your Cantilever Carport as stable as possible. It also makes the assembly process simple.
- Allow enough working space for ease of moving parts into position during assembly.

Option 1: Drilling Poles

- Drill holes into bottom end of posts for reinforcement.
- Drill holes at 25cm & 30 cm from the bottom end of posts. They should look like a cross.

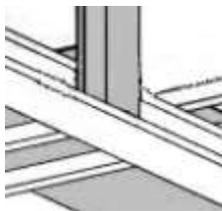
Part	Quantity	Image
Post	2	
Steel Bar	4	



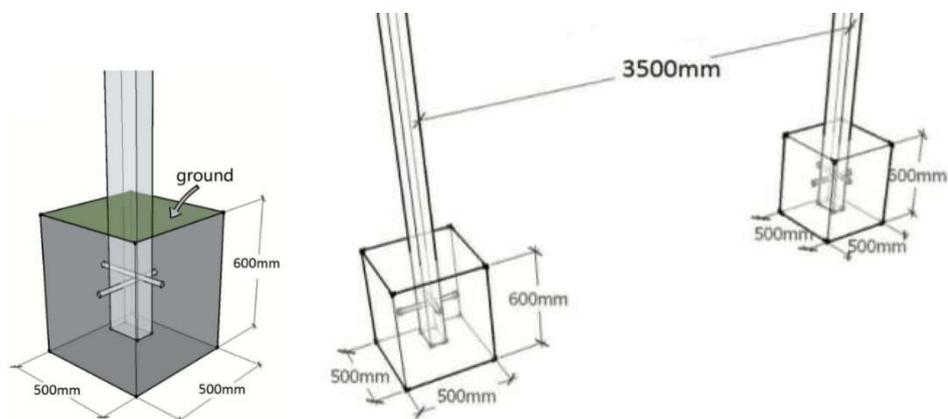
You can skip this step and do step 2 making concrete bases bigger & deeper for reinforcement.

Option 2: Concrete Post Foundation (not included)

- Dig 2 x 500l x 500w x 600h mm hole for concrete base.
- Our recommended inside distance between posts is 3500mm. This distance is flexible with minimum distance being 2700mm and maximum distance 3500mm.
- Put post into hole. It should be 500mm below the ground level. (2500mm above the ground).
- Fill cement until level with ground. Wait at least one day for concrete bases to dry.
- Posts must be level and flat to provide good support for the frame. Posts should be the same height above the ground to ensure roof is level



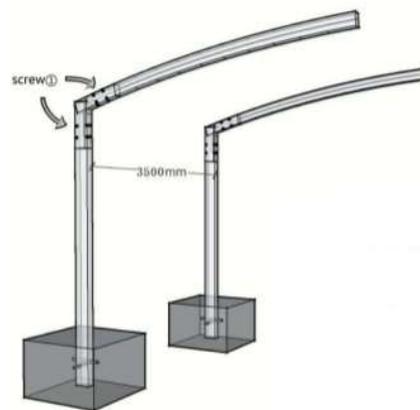
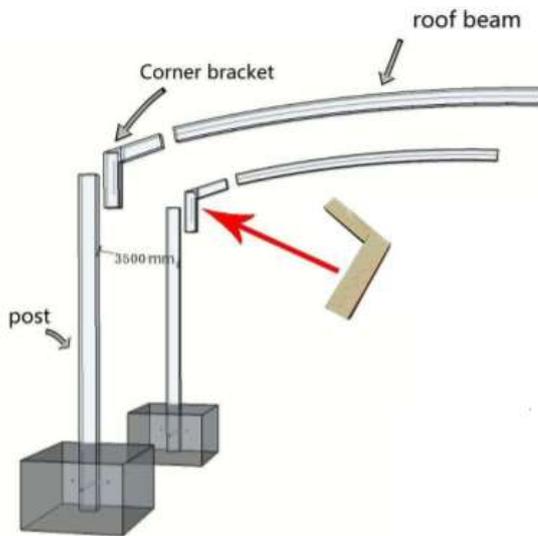
To avoid post falling down or tilting, use timber blocks to support them while concrete



Step 2: Attach Roof Beams

- Insert corner brackets into posts and roof beams. Corner bracket is smaller than the corner post and roof beam.
- Secure corner bracket to post and roof beam with screw bolt #1. Leaving the screw loose you can adjust forward and backwards and height can be adjusted too, so roof beam height is level.
- Tighten screws, once beams are level and cover screws with plastic caps so bolts are not exposed.

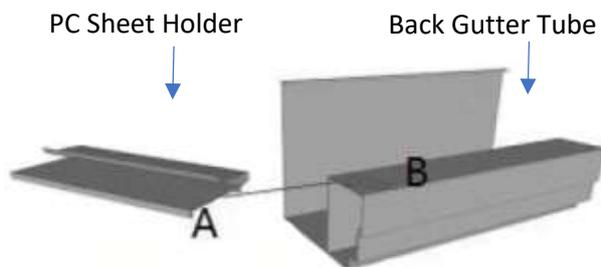
Part	Quantity	Image
Roof beam	2	
Roof Beam End Cap	2	
Galvanised Corner Bracket	2	
Screw 1	16	
Plastic Screw Cap	16	



Step 3: Roof Frame Construction

- Insert 1 PC Sheet Holder into Back Gutter Tube (gutter section) before constructing Roof frame. Secure PC Sheet Holder to Back Gutter Tube with 4 x screw #3

Part	Quantity	Image
Gutter Back Tube	1	
PC Sheet Holder	1	
Screw 3	4	



A groove should slot into B plate

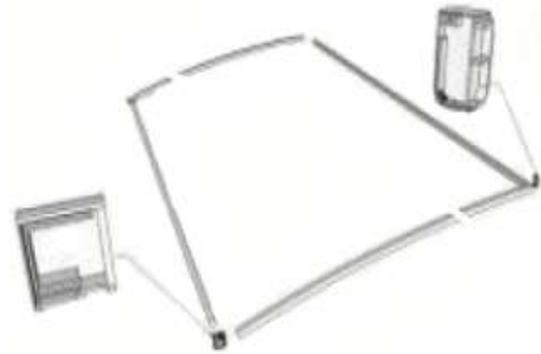
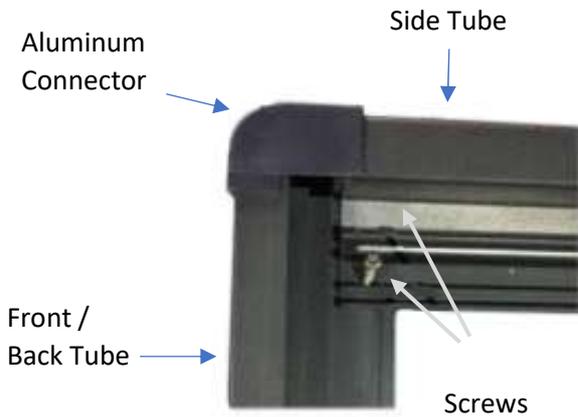


Ensure PC Holder edge aligns with gutter line.

Step 3: Roof Frame Construction Continued.

- Insert Side Tubes into Front Tube using Front tube connectors & into Back Gutter Tube using Back Tube Connectors. Ensure tubes are tightly fastened to the Aluminum Corner connectors with 2 x screw per corner.

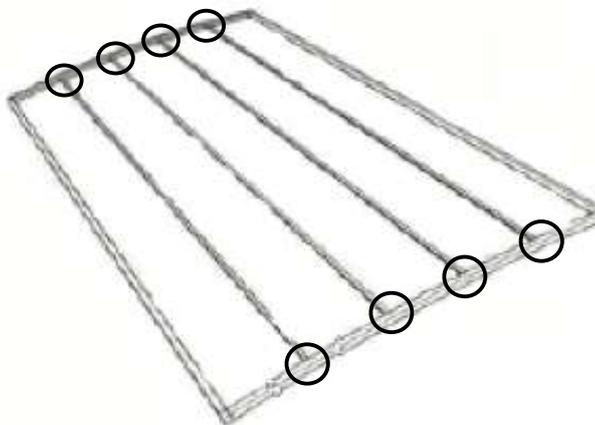
Part	Quantity	Image
Front Tube Connector	2	
Front Tube	1	
Side Tube	2	
Back Tube Connector	2	
Screw 3	8	



Step 4: Roof Network

- Fix Horizontal Tubes onto the Side Tubes with 2 x Screw #3 at each point (circled below). The Horizontal Tubes should be evenly spaced.

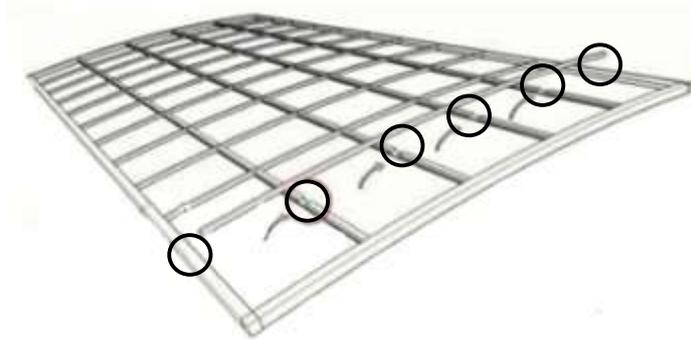
Part	Quantity	Image
Horizontal Tube	4	
Screw 3	16	



Step 4: Roof Network Continued.

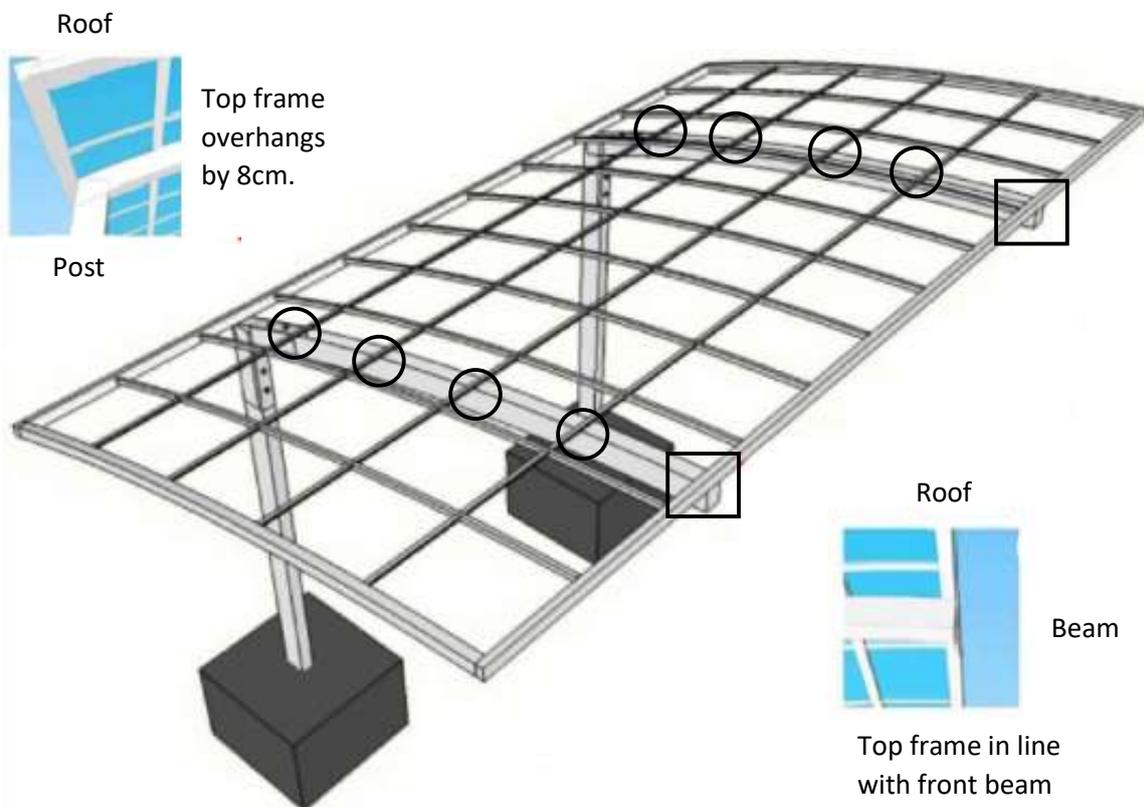
- Fix Bottom Strip to Front and Back Gutter Beams. Horizontal Tubes have grooves that the bottom strips will sit in. Secure Bottom strips using 2 x Screw #3 at each intersection. (Circled below).

Part	Quantity	Image
Bottom Strip	9	
Screw 3	108	



- Lift roof frame up on to the Roof Beams. Secure roof frame to beams with screw #4. There are 12 intersection points, Secure with 4 x screw #4 per intersection circled and 2 x screw #4 per intersection marked with a square.

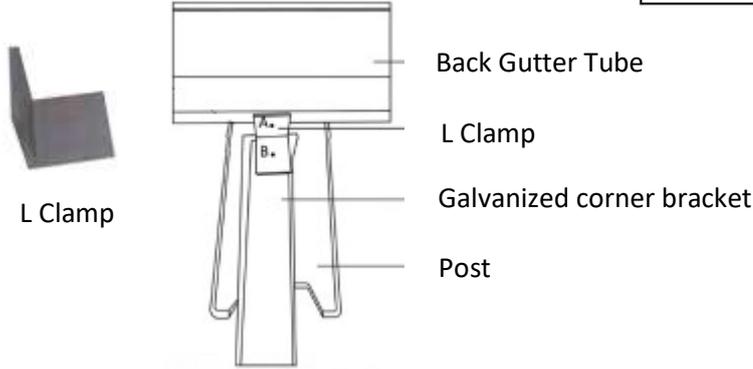
Part	Quantity	Image
Screw 4	36	



Step 4: Install Roof Network Continued.

- Attach L-Clamp to back gutter and galvanized corner bracket with screw #3 to minimize roof shaking when windy.

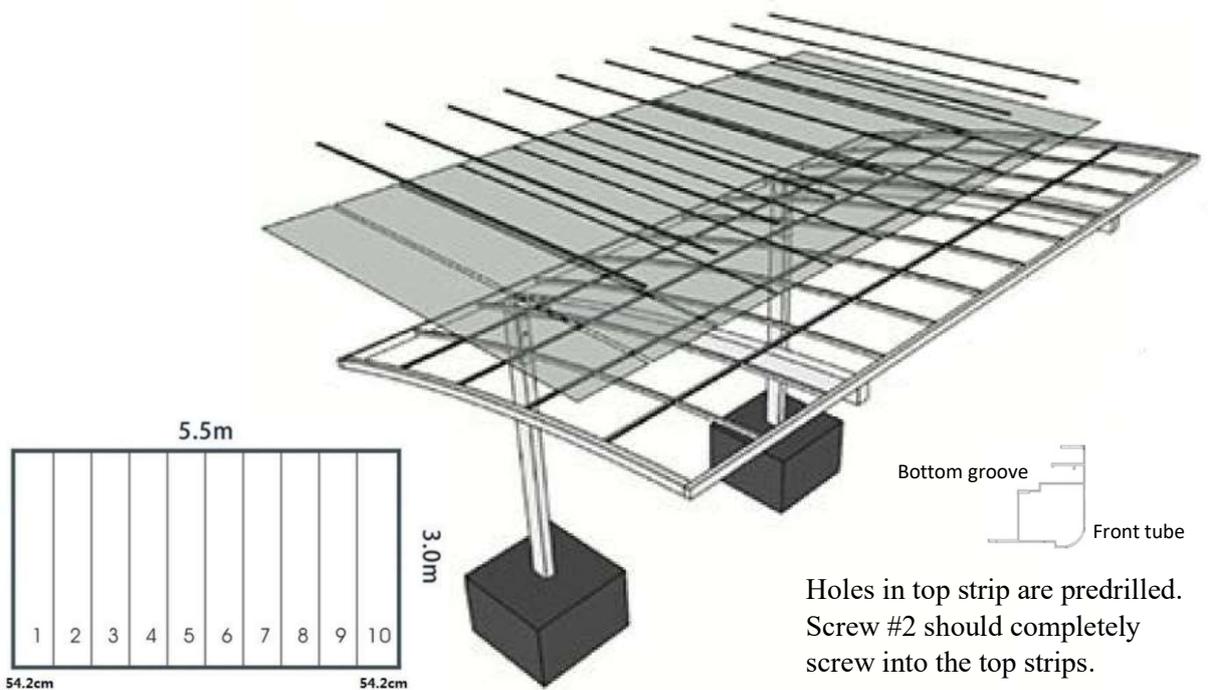
Part	Quantity	Image
Aluminium L Clamp	2	
Screw 3	8	



Step 5: Install Roof Panels

- Insert the 10 x PC sheets to the bottom groove of the front tube and into the sheet holder on the back gutter tube. The 2 bigger PC sheets need to go at either end in spaces 1 & 10.
- Insert Top Strips into each gap between the PC sheets and secure to roof networking frame with screw #2

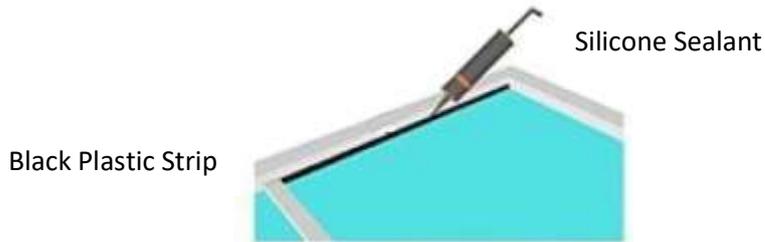
Part	Quantity	Image
PC Sheet	10	
Top Strip	11	
Screw 2	110	



Step 5: Install Roof Panels Continued.

- There will be small gaps between the front tube and PC panels. Cut black strip to size (10 pieces) and squeeze into the bottom groove of the front tube. Stick black strip with silicone sealant to avoid leaking.

Part	Quantity	Image
Silicone Sealant	1	
Black Plastic Strip	5.3M	



Step 6: Install Drain Pipe

- Install drain pipes. Cut drain pipes into three pieces as per below image and attach to back gutter tube and down along post using small connection kits.

Part	Quantity	Image
Drain Pipe Connector	2	
Drain Pipe Base	1	
Drain Pipe Holder	2	
Drain Pipe	1	
Screw 3	8	

