

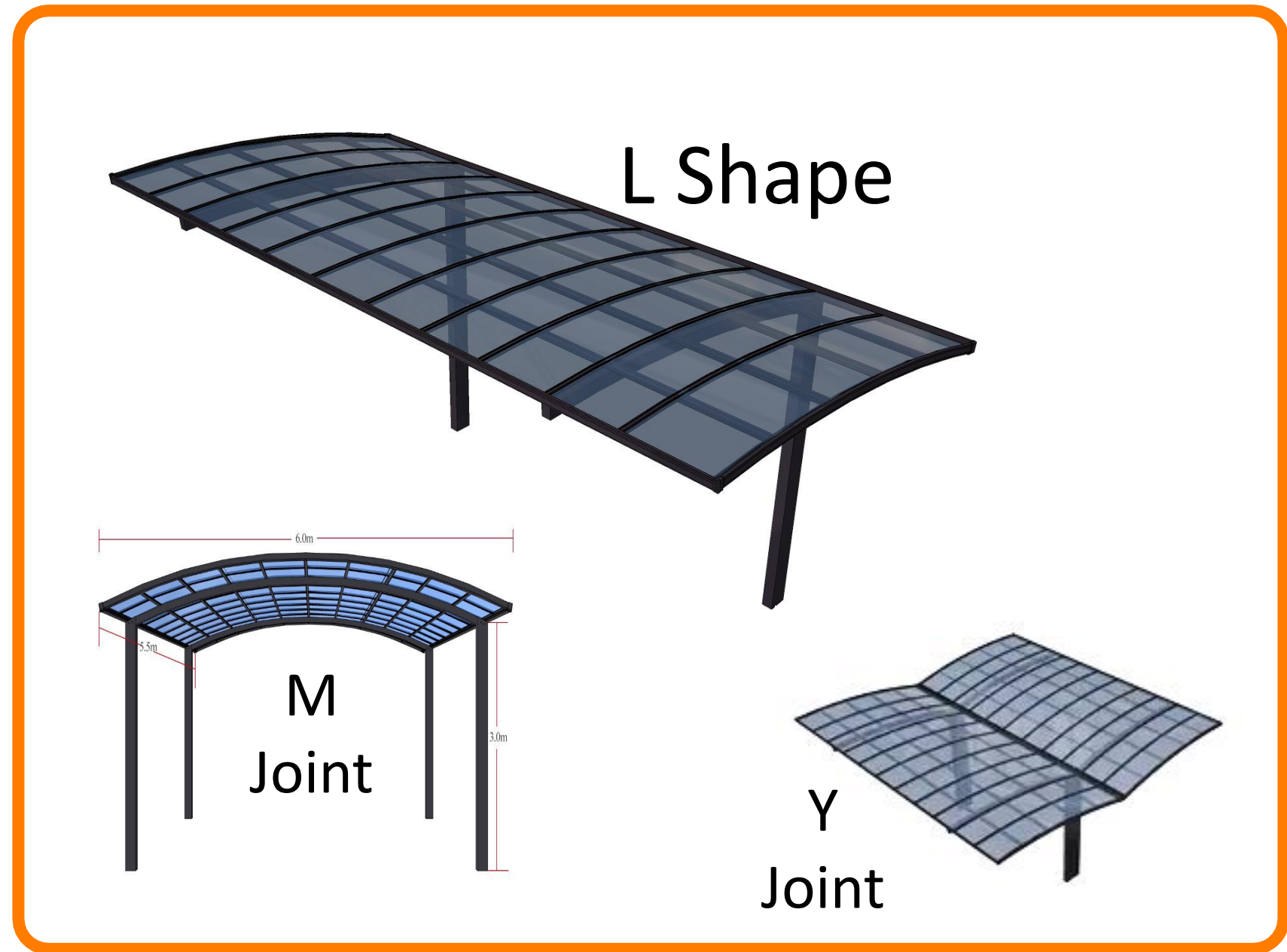


Quick 10 step Installation guide

Main Parts:

- Posts
- Beams
- L Connectors
- Gutter
- Side Frame
- Front Eave
- Deputy Frame
- Drain Pipe
- Down Strips
- Upper Strips
- Roof Sheets
- Steel Bases
- Accessory Box:-

L Type Carport





4.0m x 3.0m



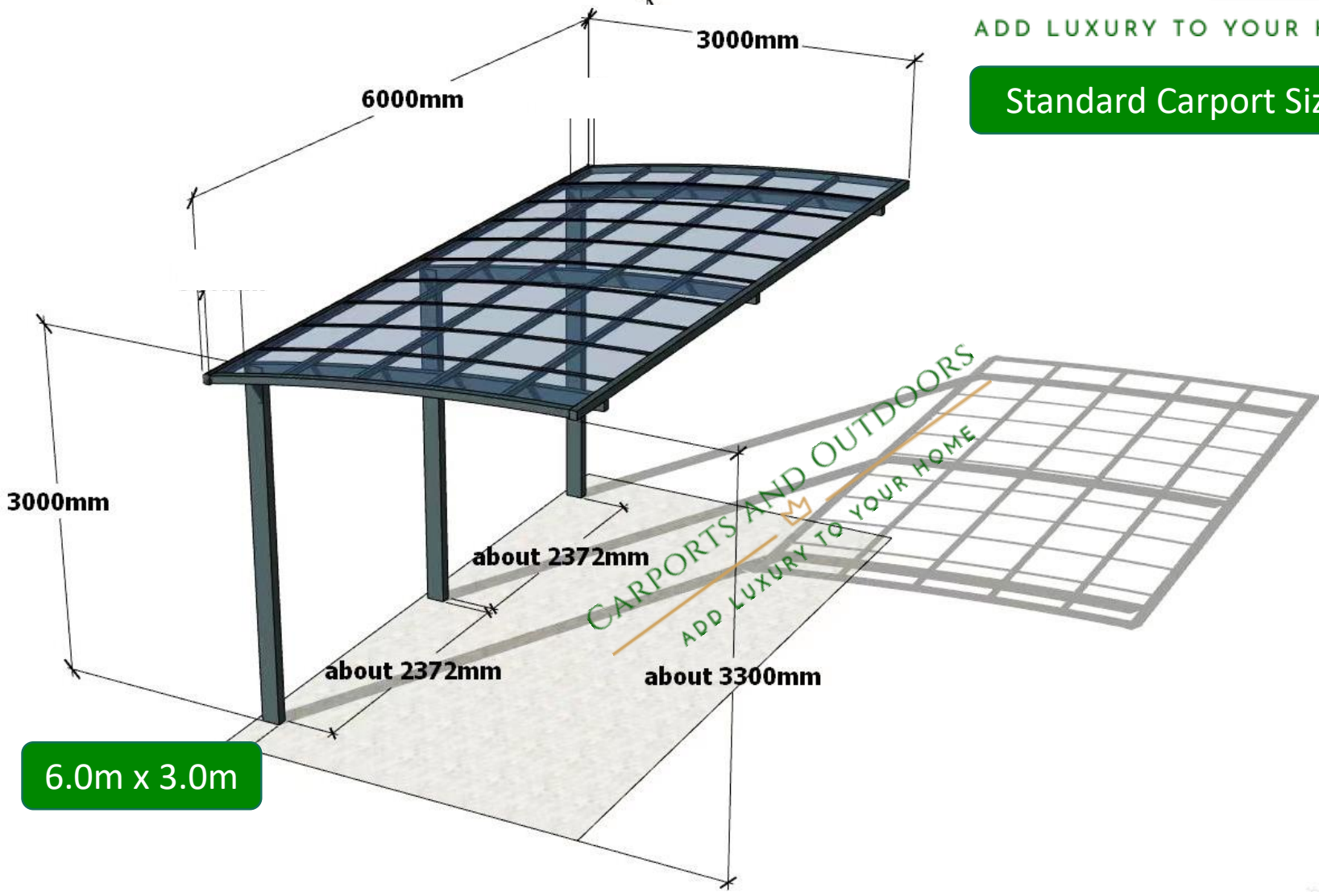
5.0m x 3.0m



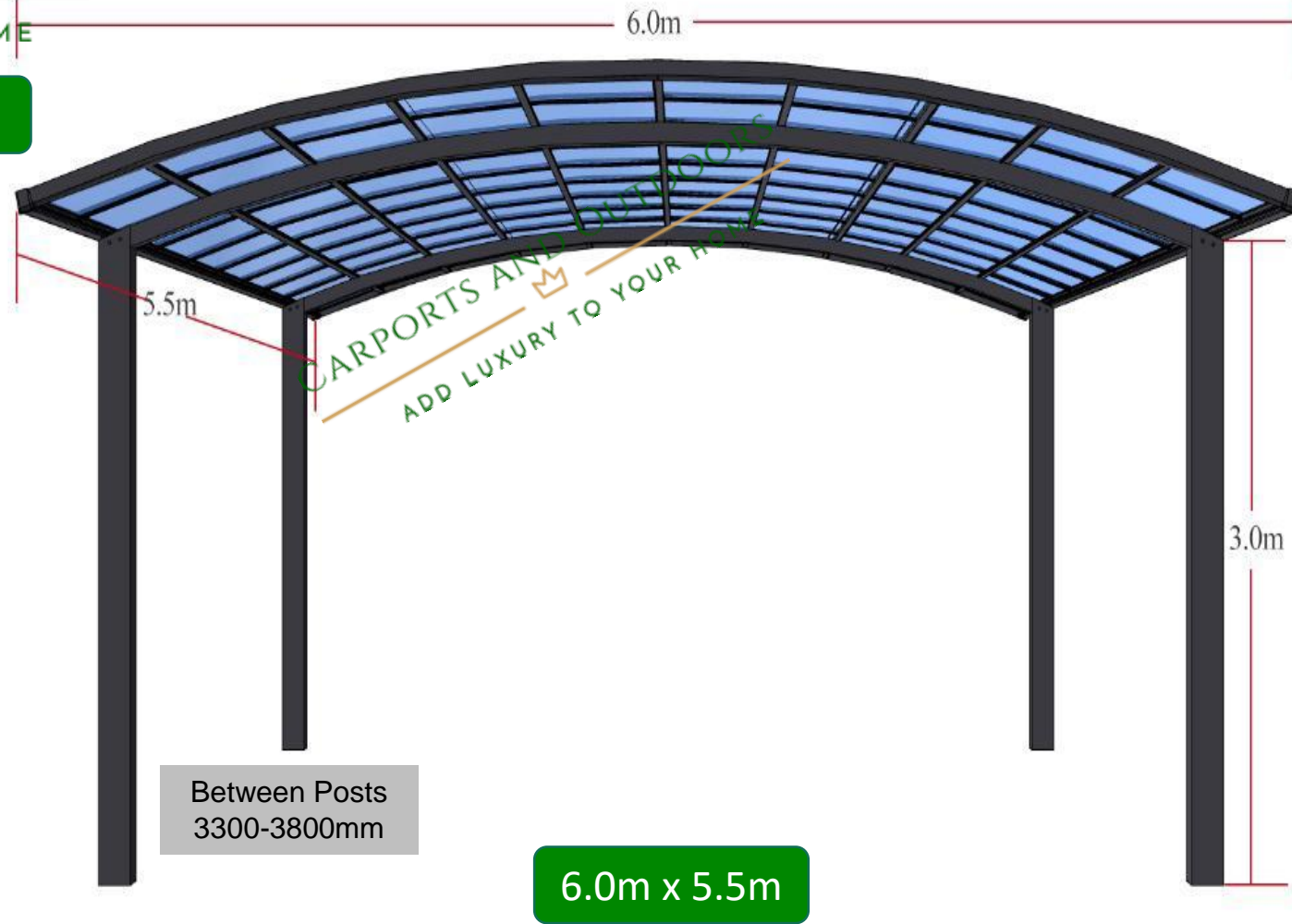
5.5m x 3.0m

CARPORTS AND OUTDOORS
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Standard Carport Sizes



6.0m x 3.0m



6.0m x 5.5m



Accessories List



Main Beam Cap x 2



Drain Pipe Elbow x 2



Screws To connect roof frame To Beams



Long Screws on upper strip To join Strips & Deputy Frame



Screws To Connect Front Eave To Wall



Front Eave Cap x 2



Gutter Cap x 2



Small Screws For Frame



Fat Screws For Sheets



Angle for Gutter x 2



Drain Pipe Connector & Clamps



Dynabolts for Steel Base



Bolts & Washers for Post & Beam



Bolt's Cap



Front eave, deputy frame & gutter connector, secure with frame screws

Choose the installation option:

Installation Options

Option: 1- Bury the posts in the ground

In this type of installation, dig a 60x60cm space and bury minimum 60cm posts and fill with the concrete. Leave them to dry for at least 24 hours.

If you are in strong wind areas, please follow the product engineering and/or consult with a professional installer.

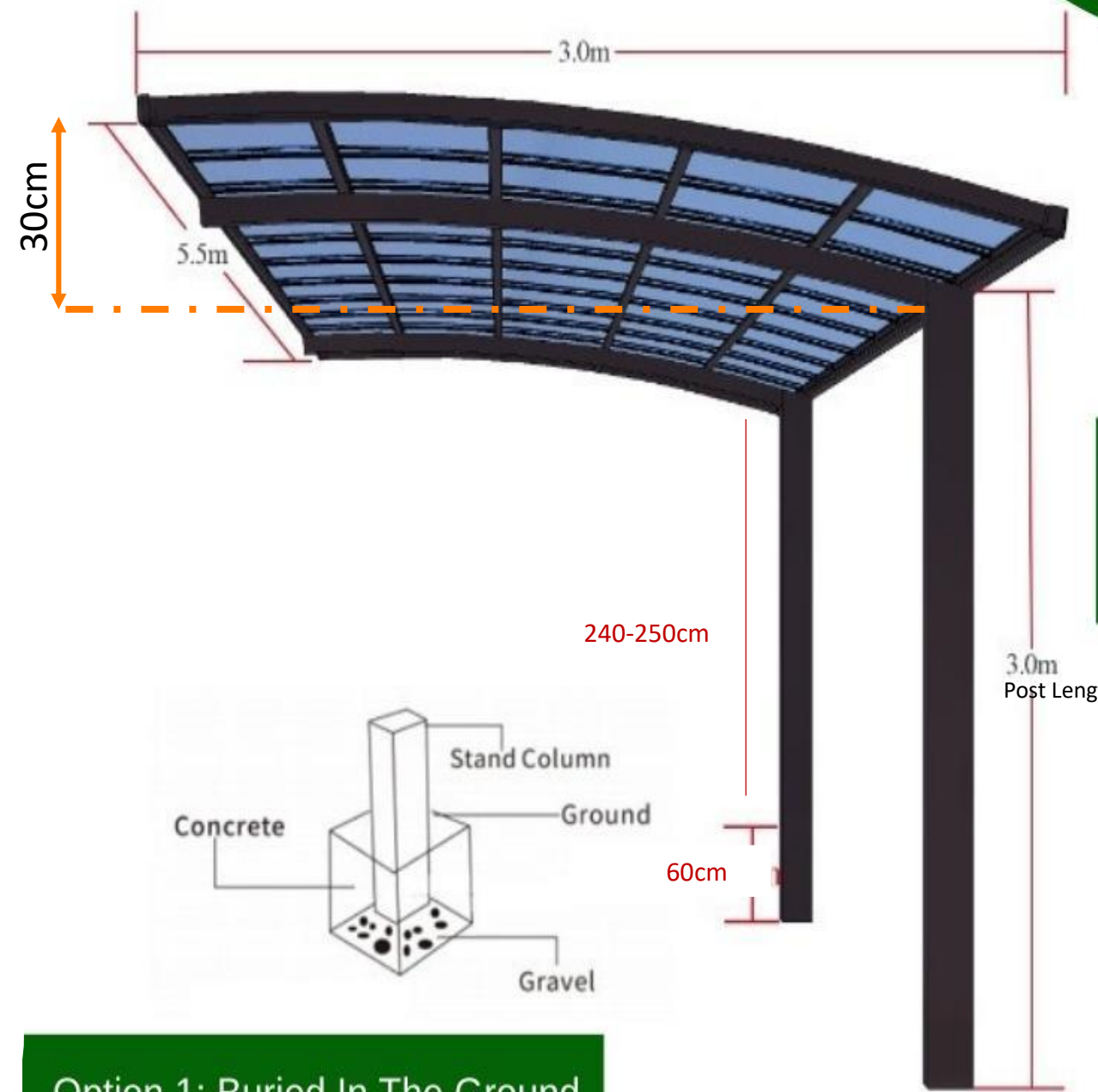
Note: Please check the product engineering document for more details

Option: 2 - Install on the concrete slab

In this type of installation, please use the steel bases provided with the dynabolts and then install the posts on top of these bases.

Please make sure concrete slab is strong enough to hold the carport.

Posts height 2.5m **Maximum**



Option 2: On Concrete with Base



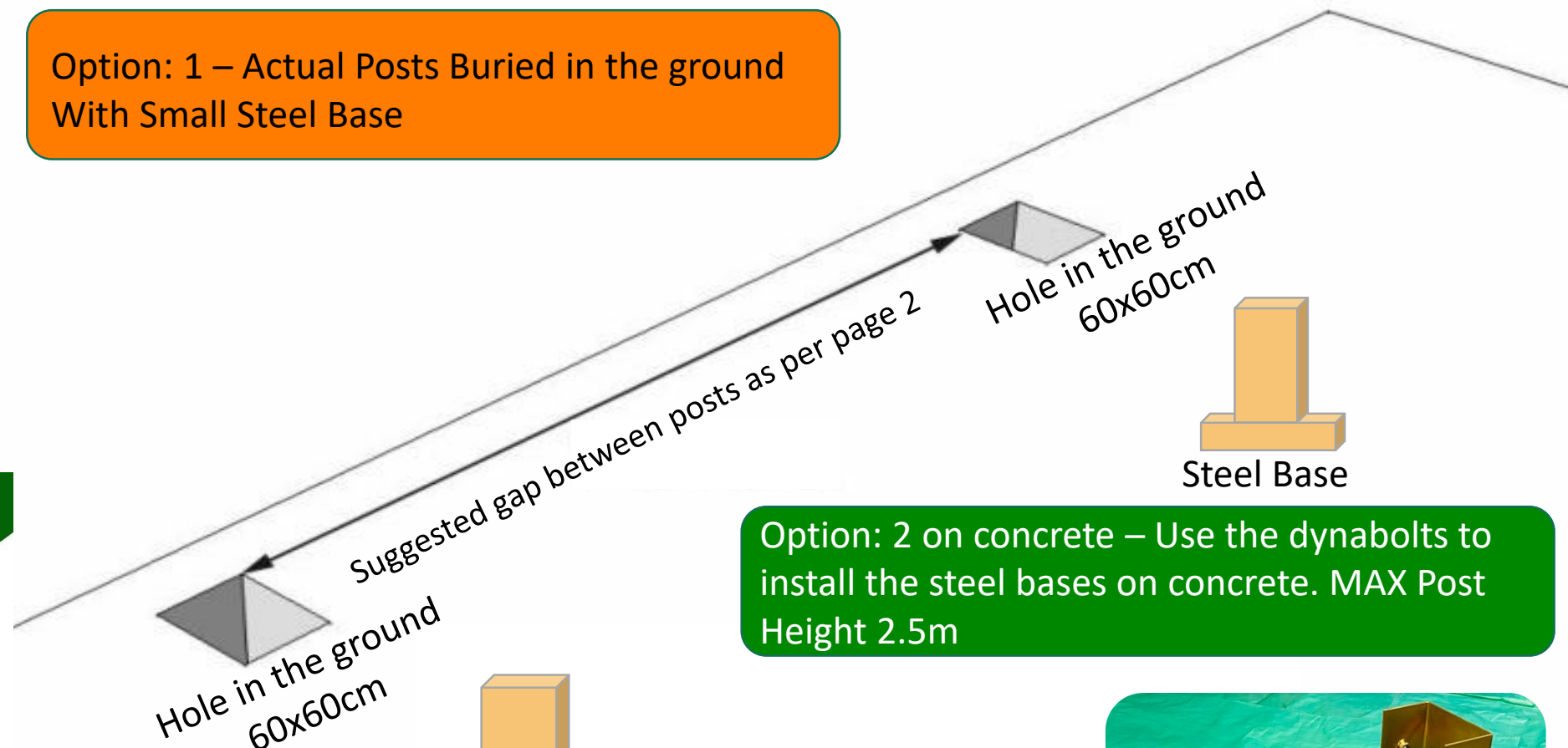
Option 1: Buried In The Ground

step one 1

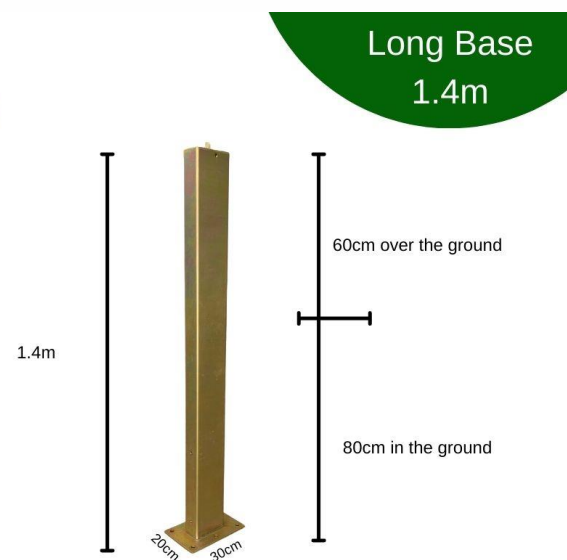


Follow Option 1 or Option 2 as required

Option: 1 – Actual Posts Buried in the ground With Small Steel Base



QUALITY & STRENGTH



Steel Thickness 3.0mm

For All Type of Carports, in ground installation



Disclaimer: Colour graphics are for illustrative purpose only, actual product may have different shade depending on the material used.

We recommend to use Long Steel Base to achieve more than 2.5m installed post height.

Option: 2 on concrete – Use the dynabolts to install the steel bases on concrete. MAX Post Height 2.5m



step two 2



For M Shape, please go to Page 7 before installing the posts.

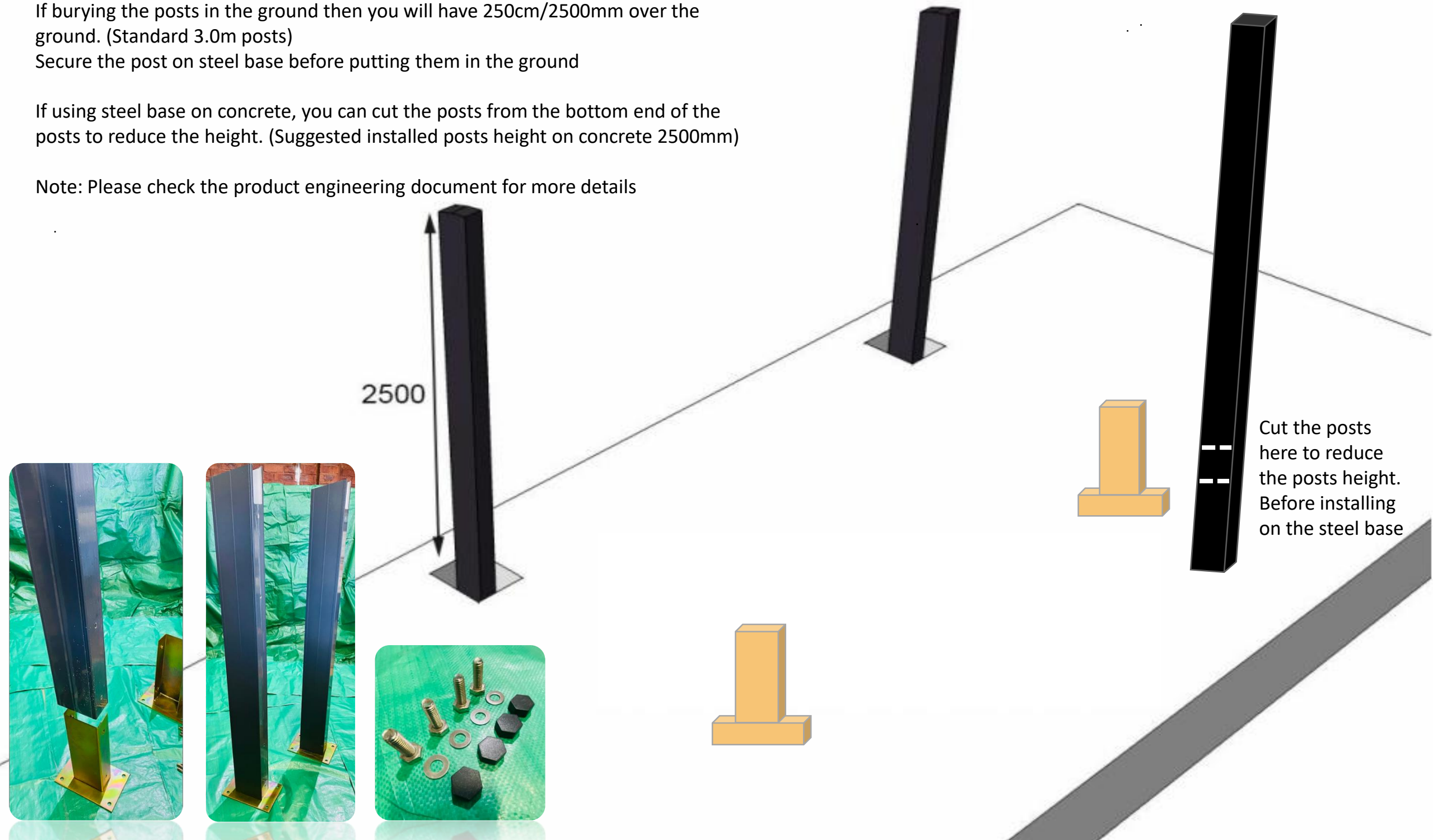
Post installation:

If burying the posts in the ground then you will have 250cm/2500mm over the ground. (Standard 3.0m posts)

Secure the post on steel base before putting them in the ground

If using steel base on concrete, you can cut the posts from the bottom end of the posts to reduce the height. (Suggested installed posts height on concrete 2500mm)

Note: Please check the product engineering document for more details

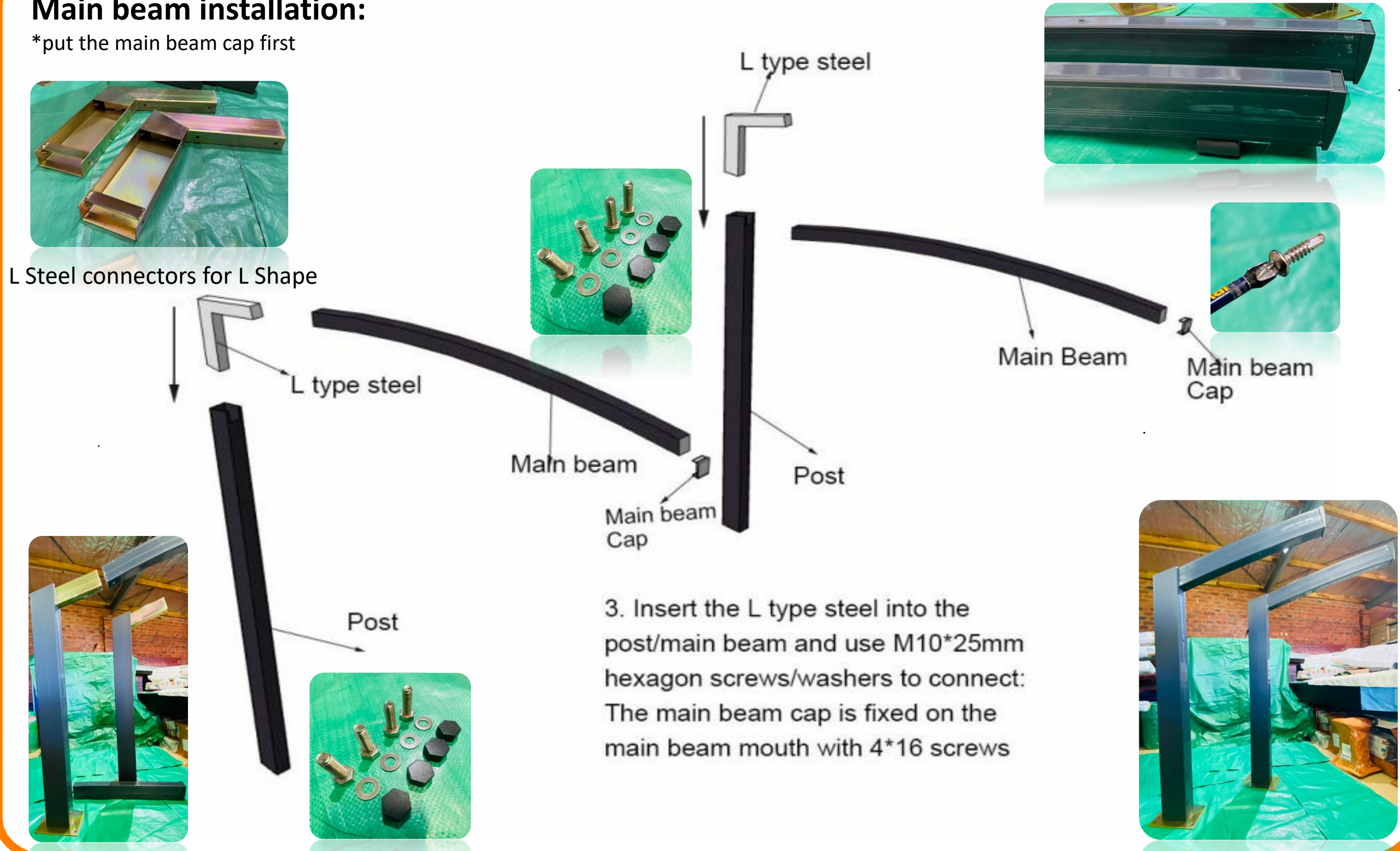


*L Shape & M Shape arched roof normally approx. 30-40 cm higher than the posts height

step three 3

Main beam installation:

*put the main beam cap first



The diagram illustrates the main beam installation process. It shows a vertical post and a horizontal main beam. An L-type steel connector is shown being inserted into the post. The main beam cap is shown being fixed onto the main beam. The diagram is surrounded by several photographs: one showing L steel connectors, one showing hardware (screws, washers, nuts), one showing the main beam cap being attached to the main beam, one showing the main beam being attached to the post, and two showing the completed installation in a garage setting.

L Steel connectors for L Shape

L type steel

Main beam

Main beam Cap

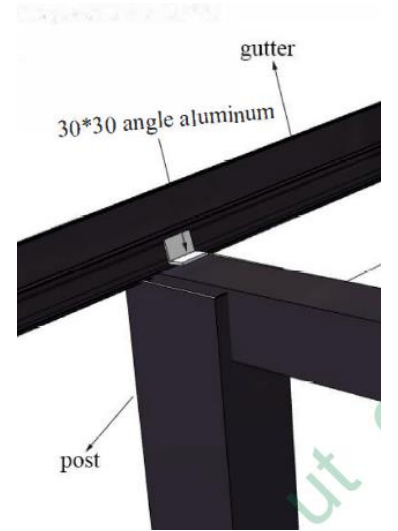
Post

3. Insert the L type steel into the post/main beam and use M10*25mm hexagon screws/washers to connect: The main beam cap is fixed on the main beam mouth with 4*16 screws

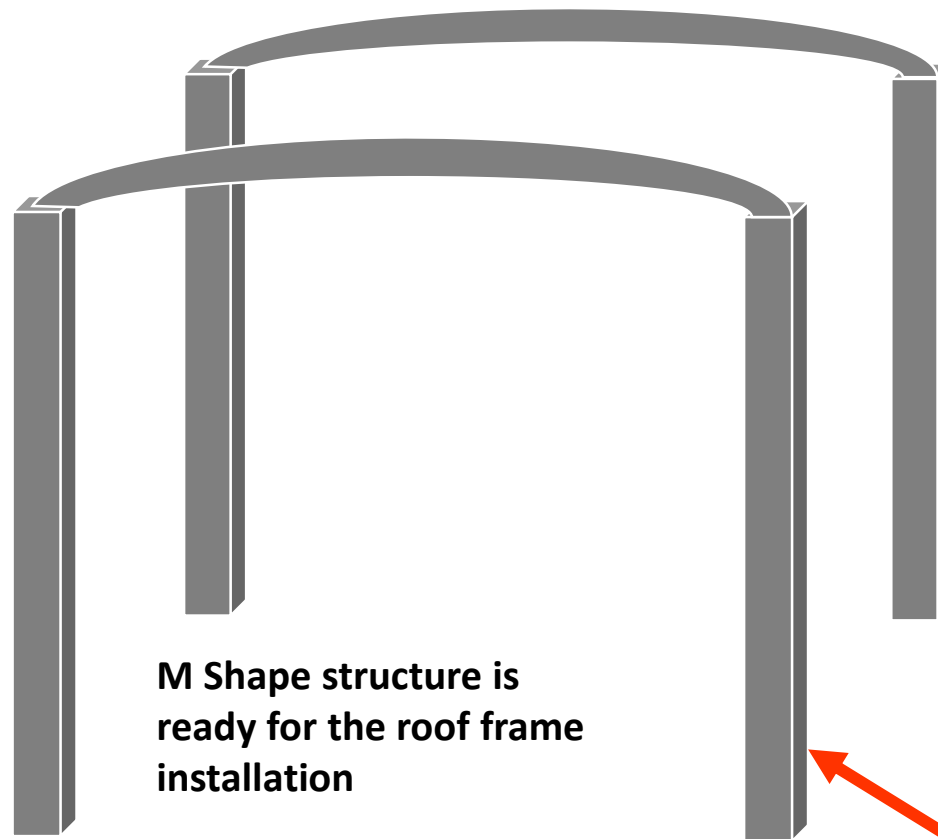
Page 7: This Page is For M Shape Double Carports only

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Now Connect the gutters with L Shaped angles on both sides



M Shape structure is ready for the roof frame installation



Connect both parts of the beams to achieve the full length with the steel connectors & secure with the frame screws.

Now place the full length beams between the posts to get the exact place for posts.



Left Posts

Cut for the beam facing inside



Right Posts

Cut for the beam facing inside



Once the posts are secured with dynabolts or buried in the ground now place the beams in the pre cut space in the posts and secure with provided nuts & bolts



Nuts & Bolts to secure Beams

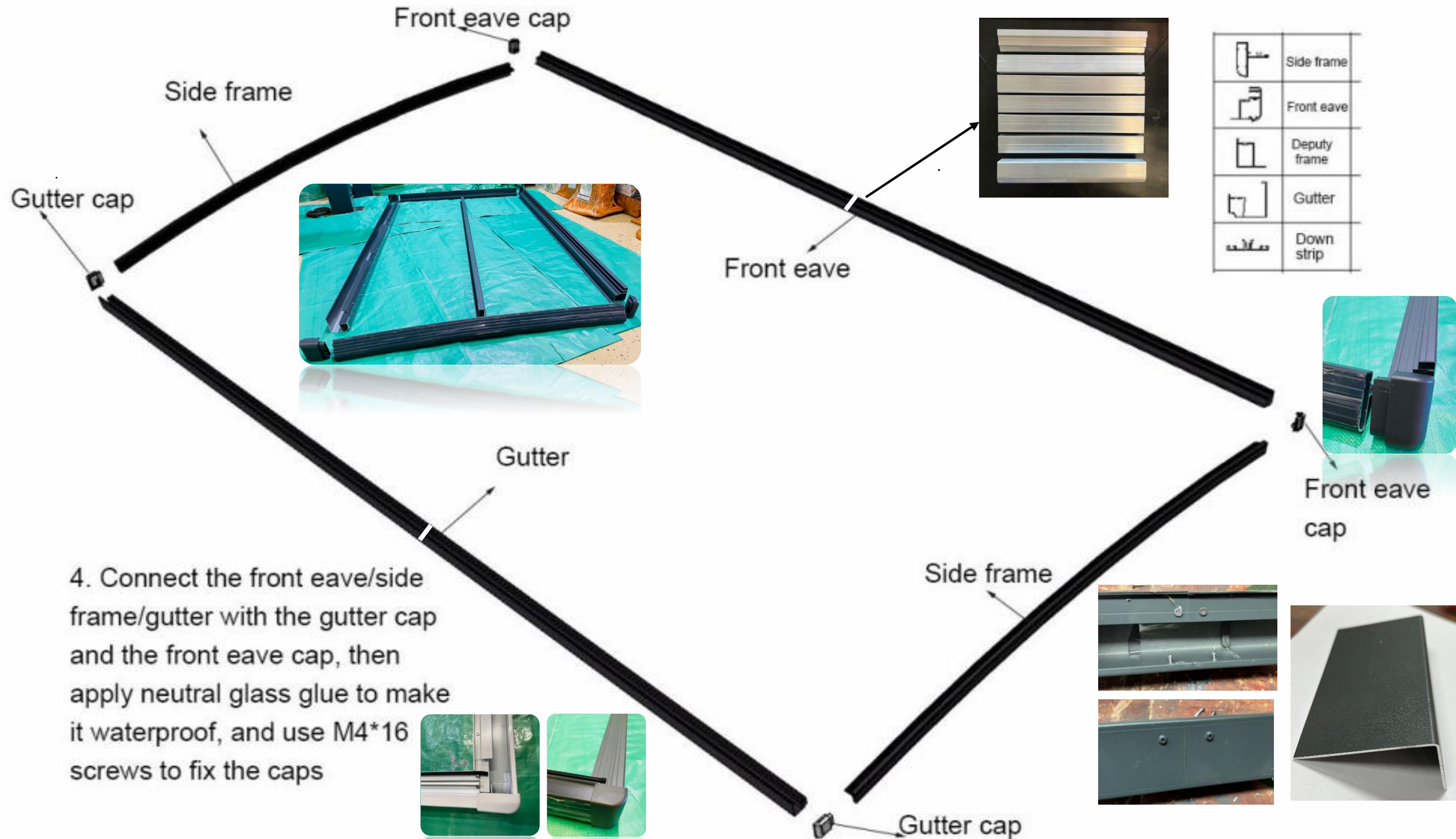


Nuts & Bolts to secure Posts

step four 4

Putting the main frame together:

*Use the aluminium connectors with the screws in the middle of the frame to make it full length, as these parts are cut in half for easy transportation, for over 4.0m long Carports/Pergolas
Up to 4.0m Carports/Pergola will have full length frame so no need to use aluminium connectors.



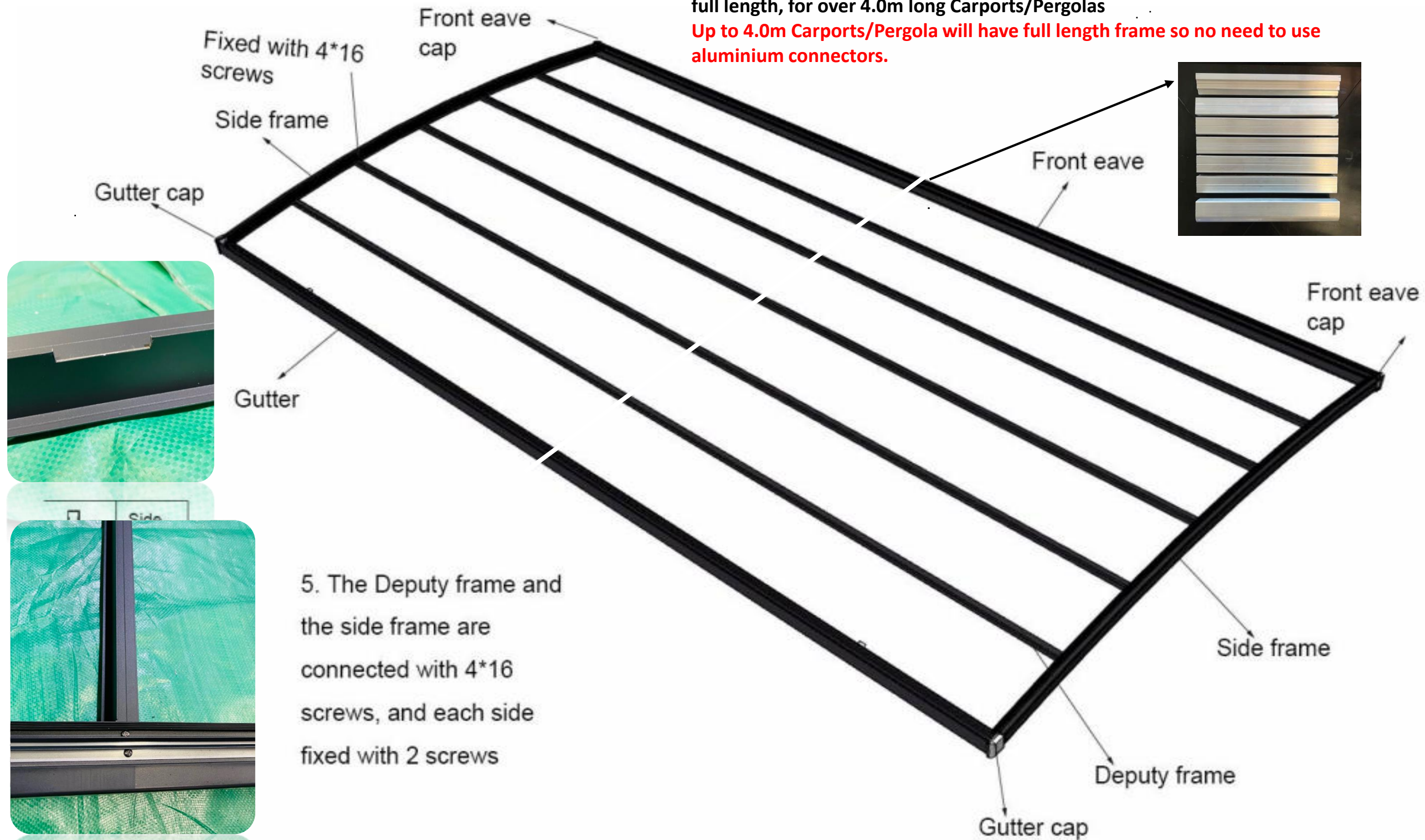
4. Connect the front eave/side frame/gutter with the gutter cap and the front eave cap, then apply neutral glass glue to make it waterproof, and use M4*16 screws to fix the caps

Gutter Joint Cover: It will go inside the gutter, on the joint after applying SILICONE and secure with 2 screws from outside.

step five 5

Use the aluminium connectors with the screws in the middle of the frame to make it full length, for over 4.0m long Carports/Pergolas






Up to 4.0m Carports/Pergola will have full length frame so no need to use aluminium connectors.

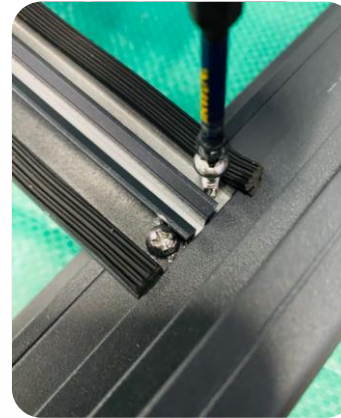


5. The Deputy frame and the side frame are connected with 4*16 screws, and each side fixed with 2 screws

step six 6

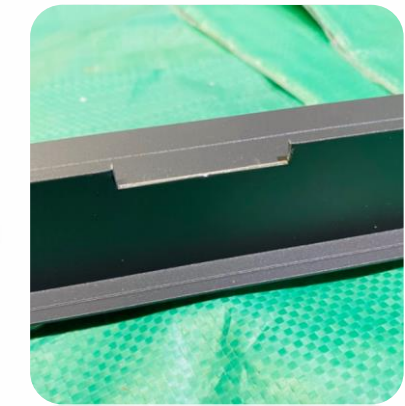
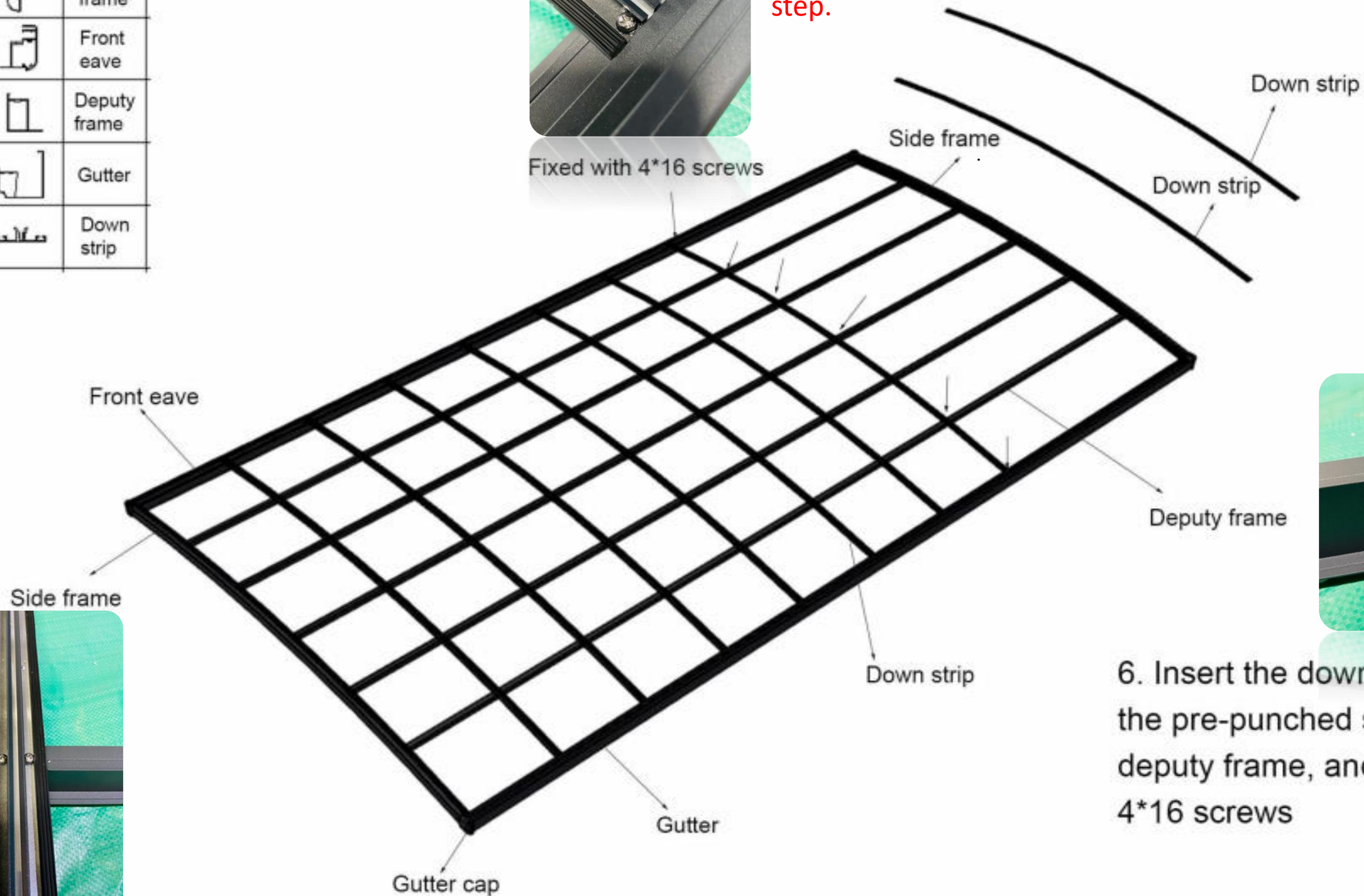
Fixing the down strips:

	Side frame
	Front eave
	Deputy frame
	Gutter
	Down strip



Fixed with 4*16 screws

This step can be done on the ground, if you have help to get it lifted once the frame is complete. Otherwise install the frame on the beams before starting this step.



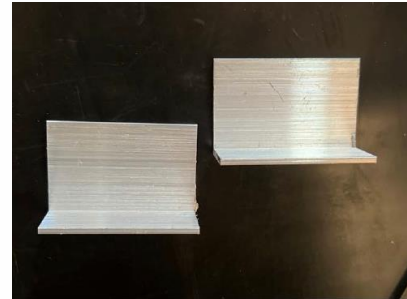
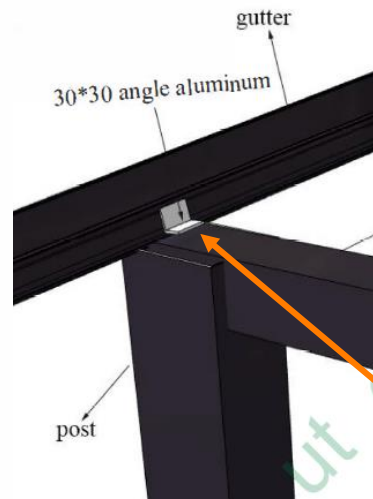
6. Insert the down strip into the pre-punched slots of the deputy frame, and fix with 4*16 screws



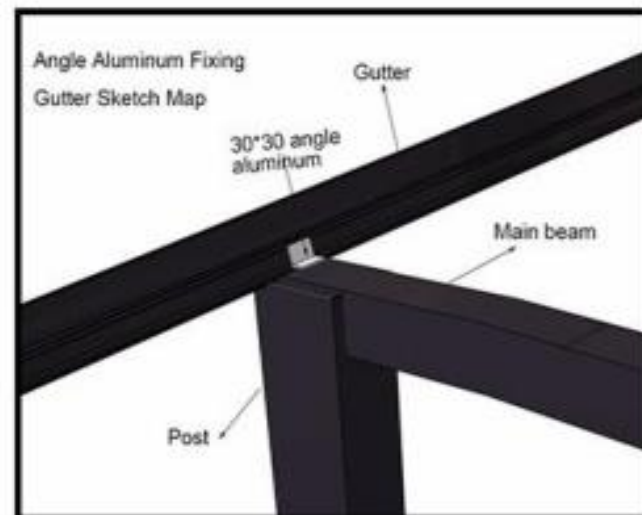
step seven 7

Installing completed frame on the beams:

Use 4*16 screws to fix the deputy frame on the main beam



Angle for Gutter x 2



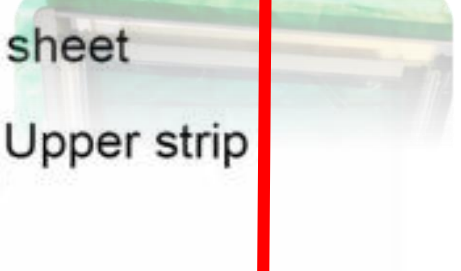
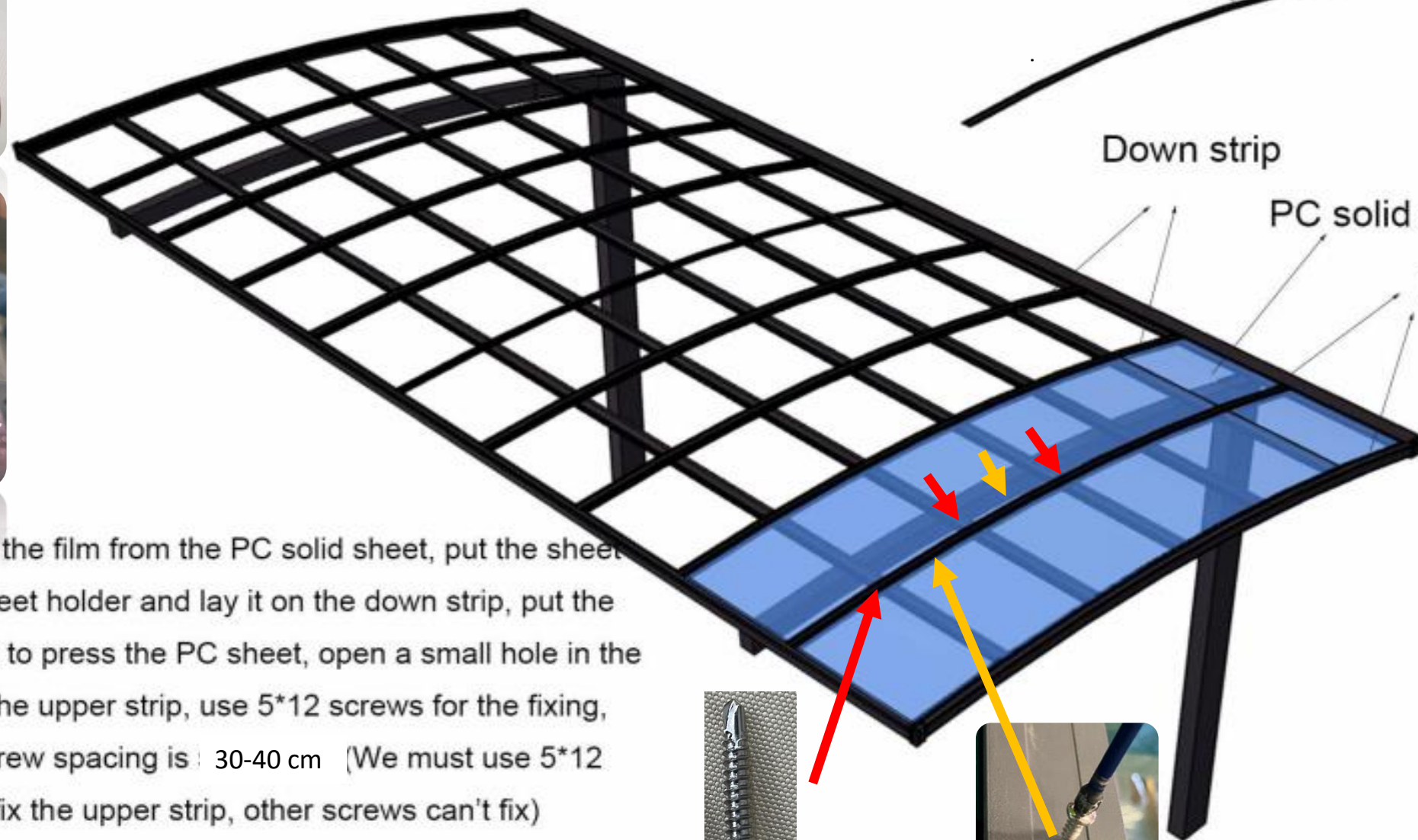
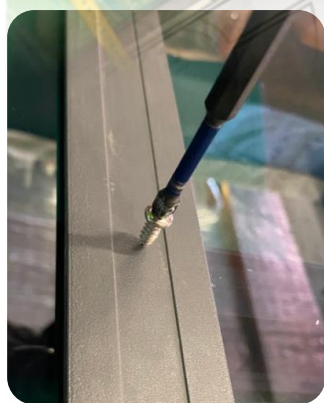
7. Put the roof on the main beam, fix it with 4*16 screws, and prepare to tile the PC solid sheet



step eight 8

Installing the roof sheets:

*Please measure the sheets width and match with the frame, before start assembling them, one or more sheets can be of different size

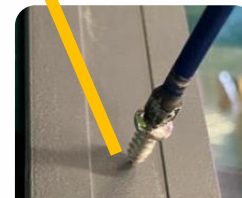


Sheet Holders on Gutter
Use 3 frame screws on one Sheet holder

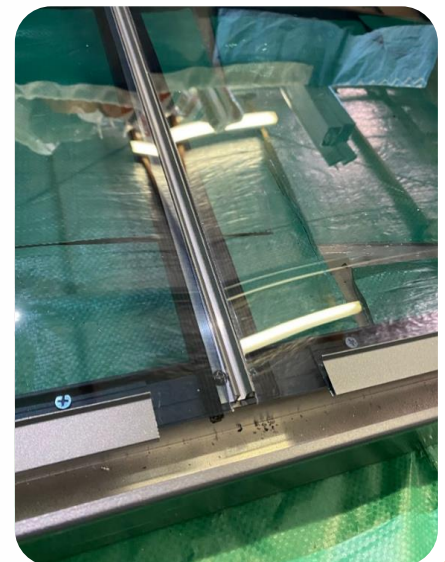
8. Tear off the film from the PC solid sheet, put the sheet into the sheet holder and lay it on the down strip, put the upper strip to press the PC sheet, open a small hole in the middle of the upper strip, use 5*12 screws for the fixing, and the screw spacing is 30-40 cm (We must use 5*12 screws to fix the upper strip, other screws can't fix)



Long Self Drill Screws
To connect Upper Strip, Down Strip & Deputy Frame



Fat Sheets Screws
To use to secure Upper & down strips

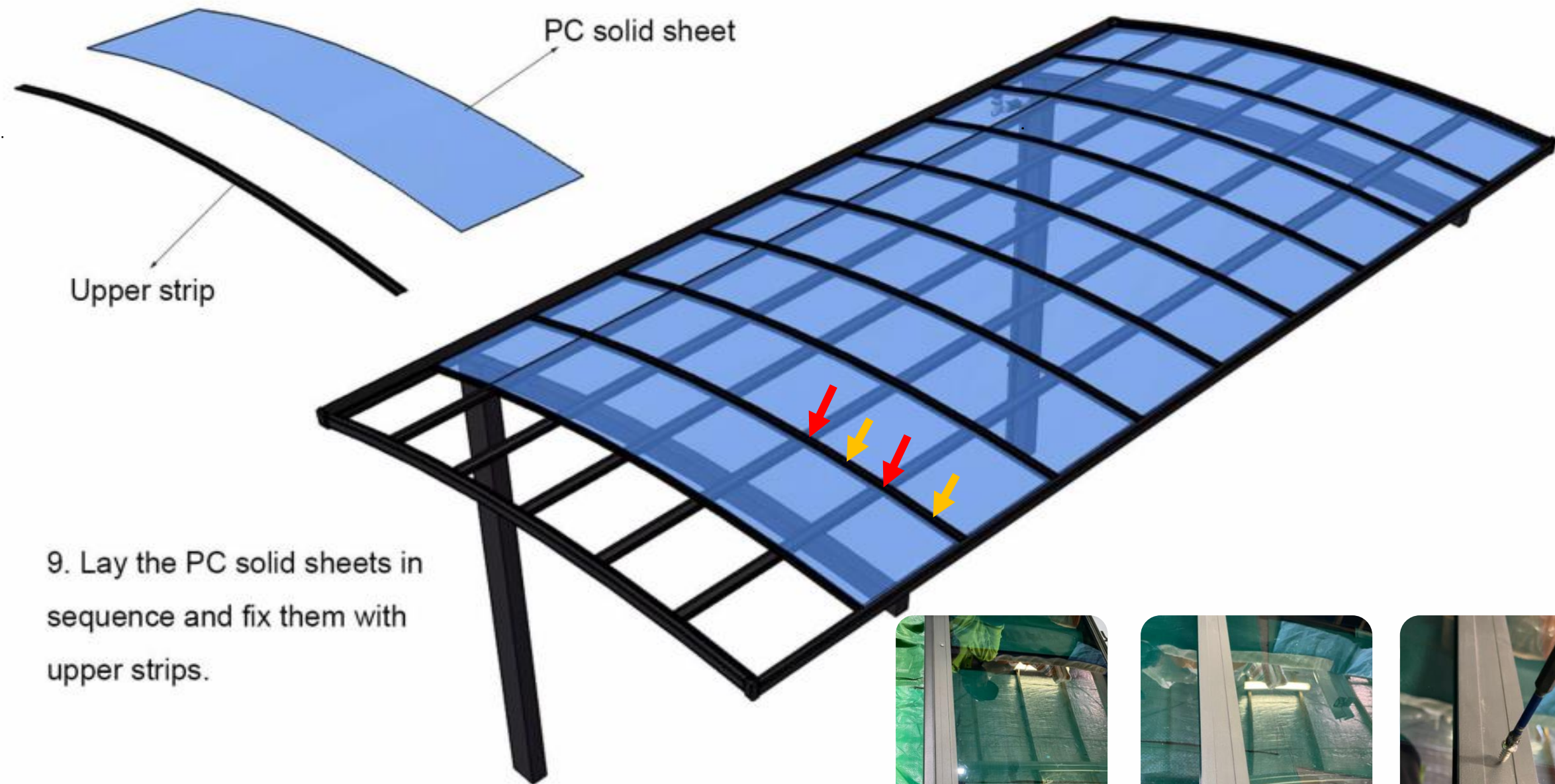


Secure the upper strip with provided screws

Long Screw – Fat Sheet Screw – Long Screw – Fat Sheet Screw

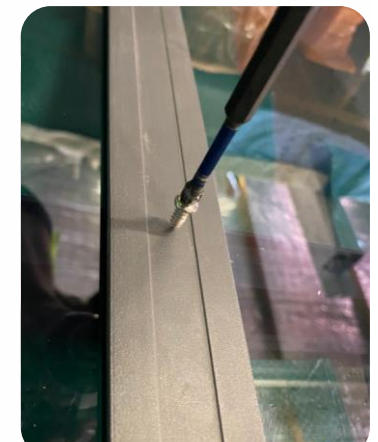
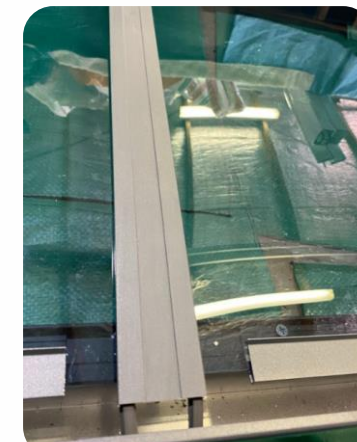
step nine 9

Completing the roof:



9. Lay the PC solid sheets in sequence and fix them with upper strips.

Secure the upper strip with provided screws
Long Screw – Fat Sheet Screw – Long Screw – Fat Sheet Screw

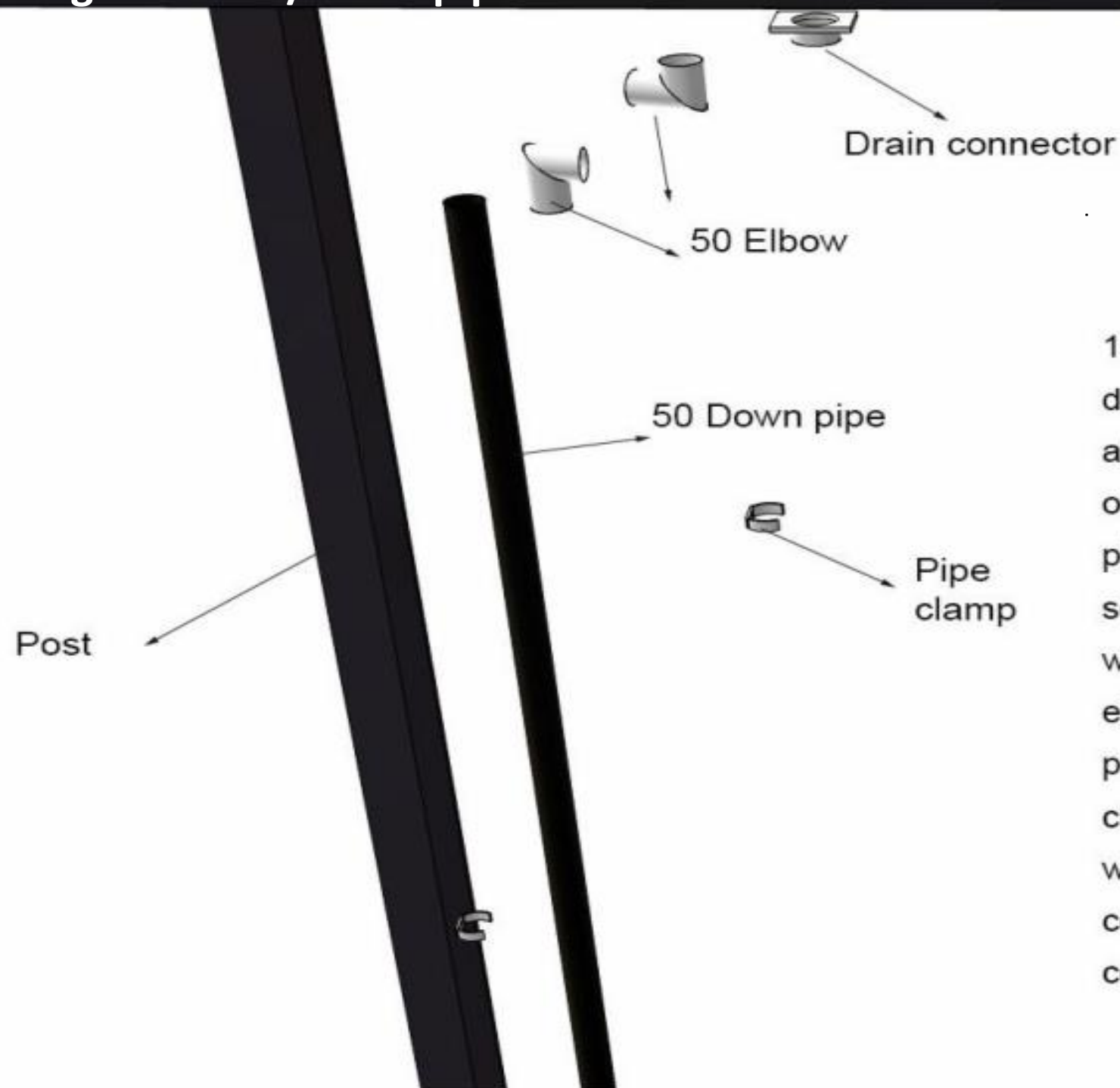


step ten 10

CARPORTS AND OUTDOORS

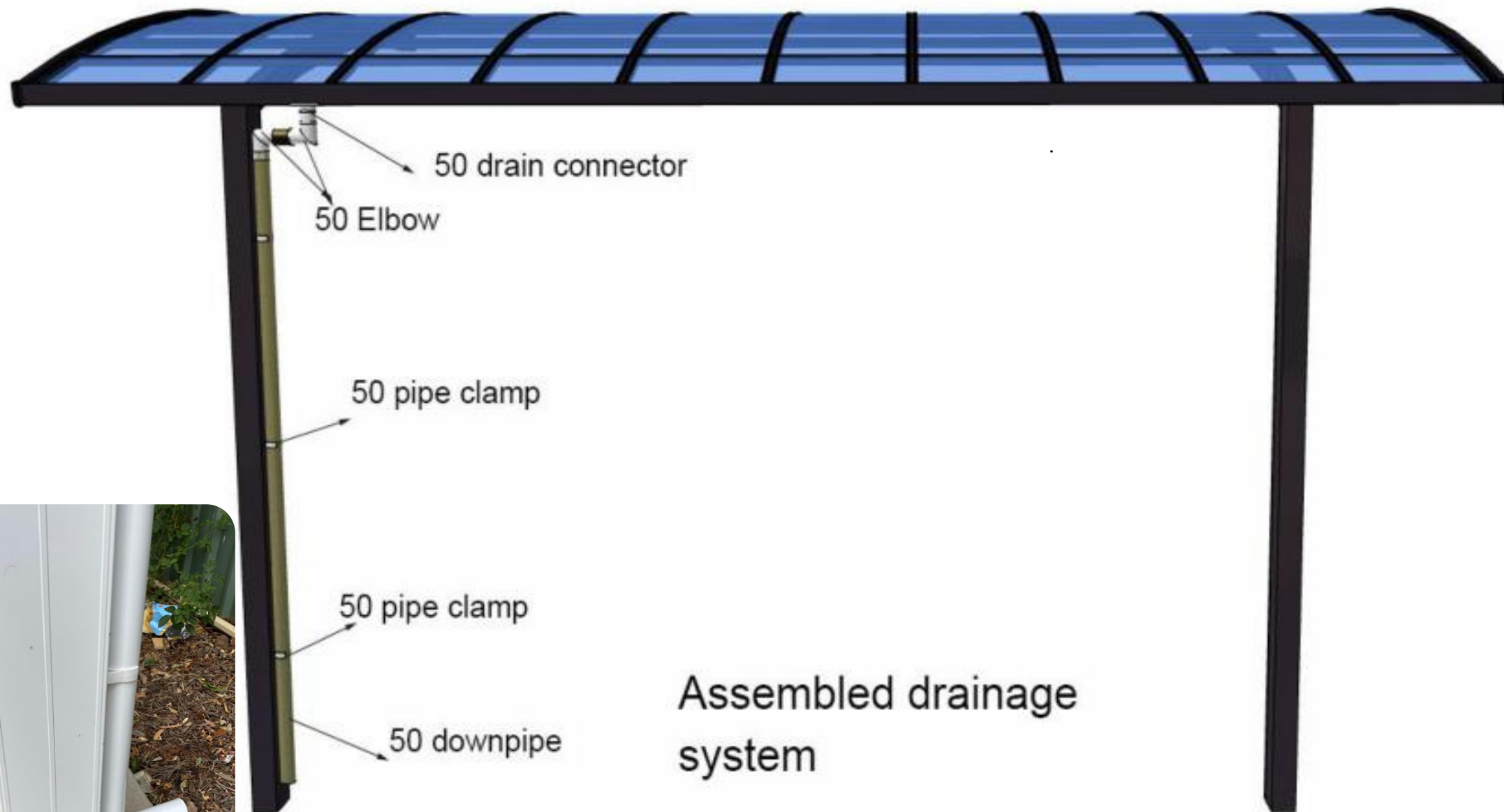
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Connecting the drain/down pipe:



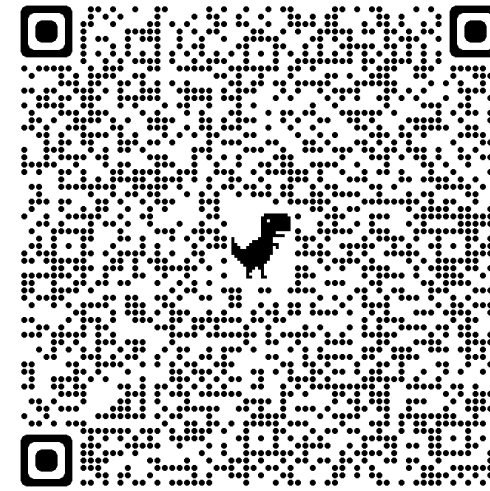
10. First choose the position where the downpipe is to be assembled. Drill a hole at the lower end of the gutter, and the size of the hole is 30mm. Connect the drain pipe and the gutter, fixed with 4*16 screws, use neutral glass glue to make it waterproof. And the two corners of the elbows are connected, connect 50 down pipes, confirm the position of the pipe clamp, fix the pipe clamp on the post, fix it with 4*16 screws, and use glass glue to connect the elbow to the down pipe/drain connector to prevent water leakage.

Assembled Drainage System:



Congratulations, you did it!

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