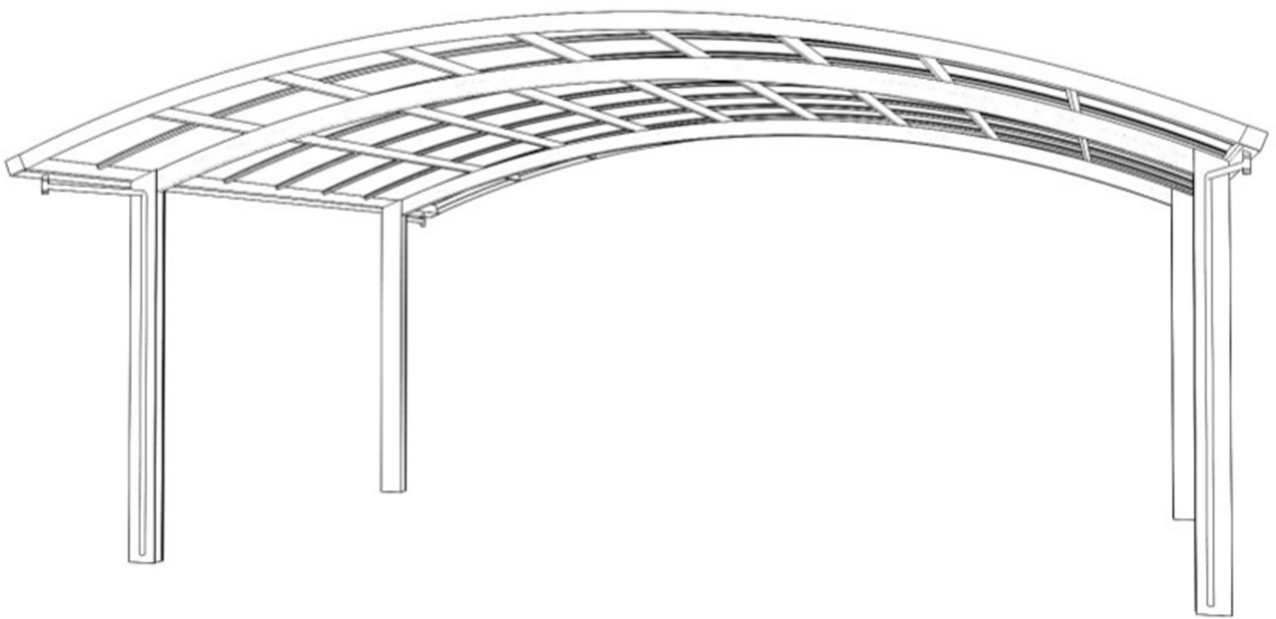
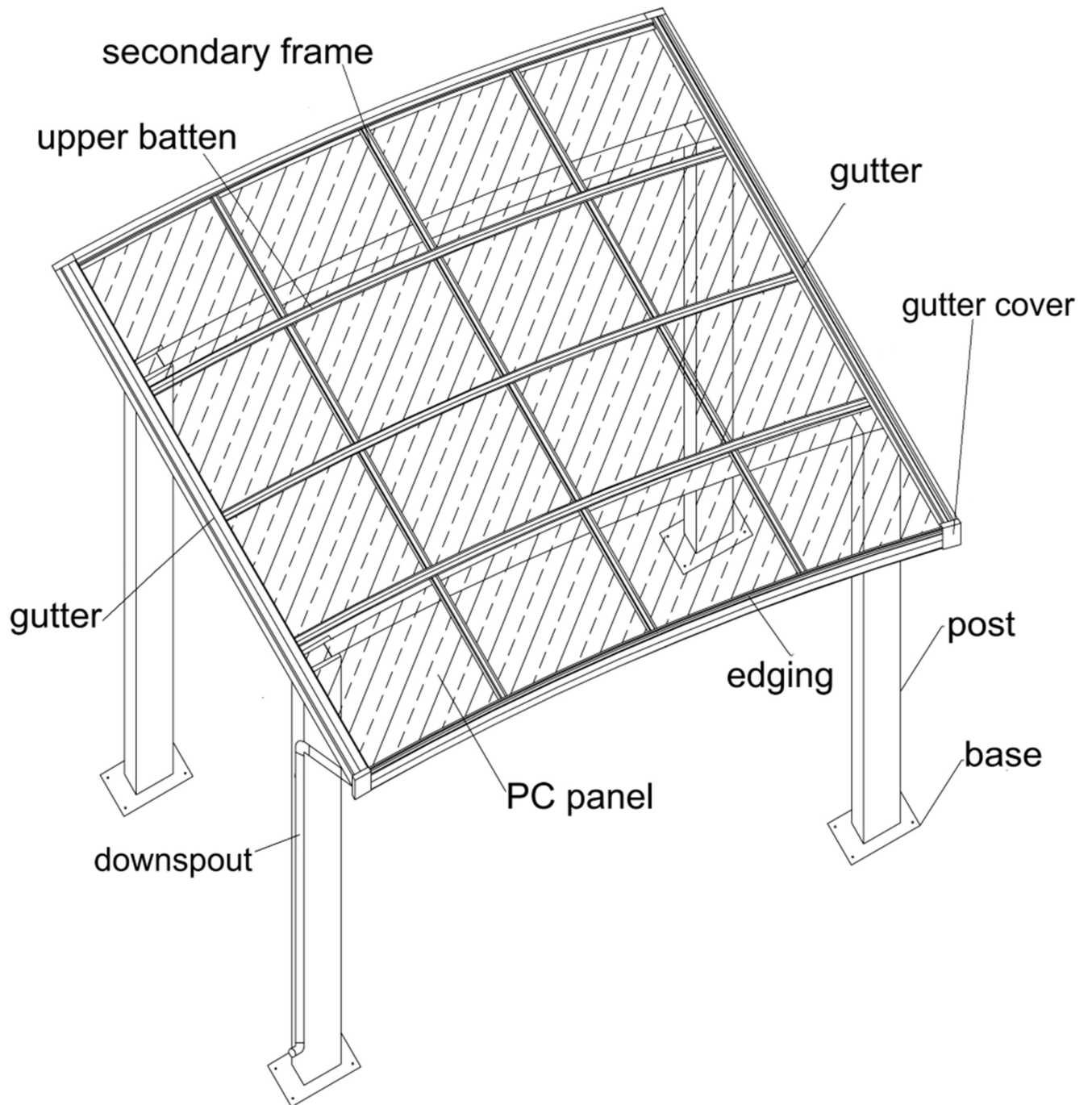


# DOUBLE CARPORT INSTALLATION MANUAL



## Frame diagram

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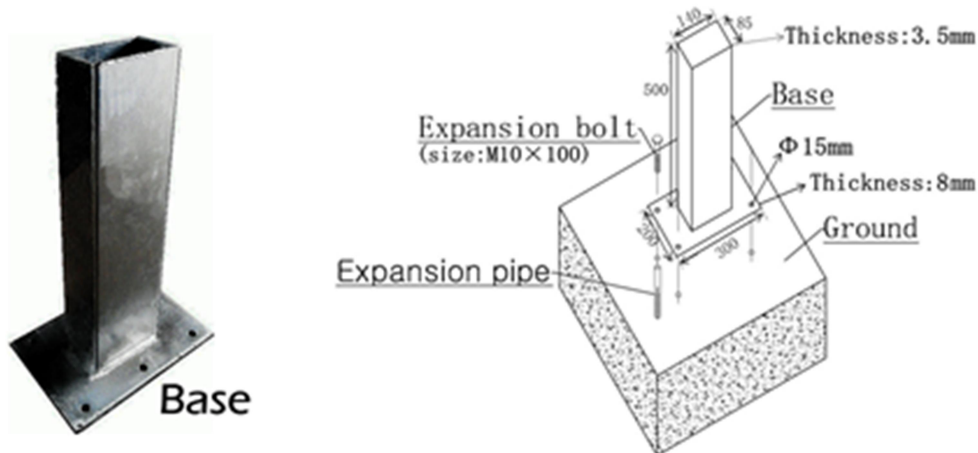
### Profile details of Double carport

Profiles	Name	Dimension(mm)	Accessories	Name
	Post	Width: 160.5 Height: 91.4 Thickness:3.0		Corner accessories of gutter (left right)
	Main Frame	Width: 110 Height: 60 Thickness:2.1		Platen board
	Secondary Frame	Width: 49.5 Height: 35 Thickness:1.2		fitting part of downspout
	Gutter	Width: 84 Height: 79.3 Thickness:1.2		Elbow pipe
	Edging	Width: 79 Height: 60.5 Thickness:2.2		Expansion bolt for base M10x100
	Downspout	diameter: 38 Thickness: 1.1		Hex screw and nut for post and main frame M10x100
	Upper batten	Width: 42 Height: 5.4 Thickness:1.0		Self tapping Hex screw for gutter M5X80
	Under batten	Width: 40 Height: 10.1 Thickness:1.0		Stainless screw using for roof M4X35
	Steel base	Length:300 Width:200 Height: 500 base Thickness: 8 top thickness:3		Self tapping screw for frame M4X25

## Double Carport Installation Step

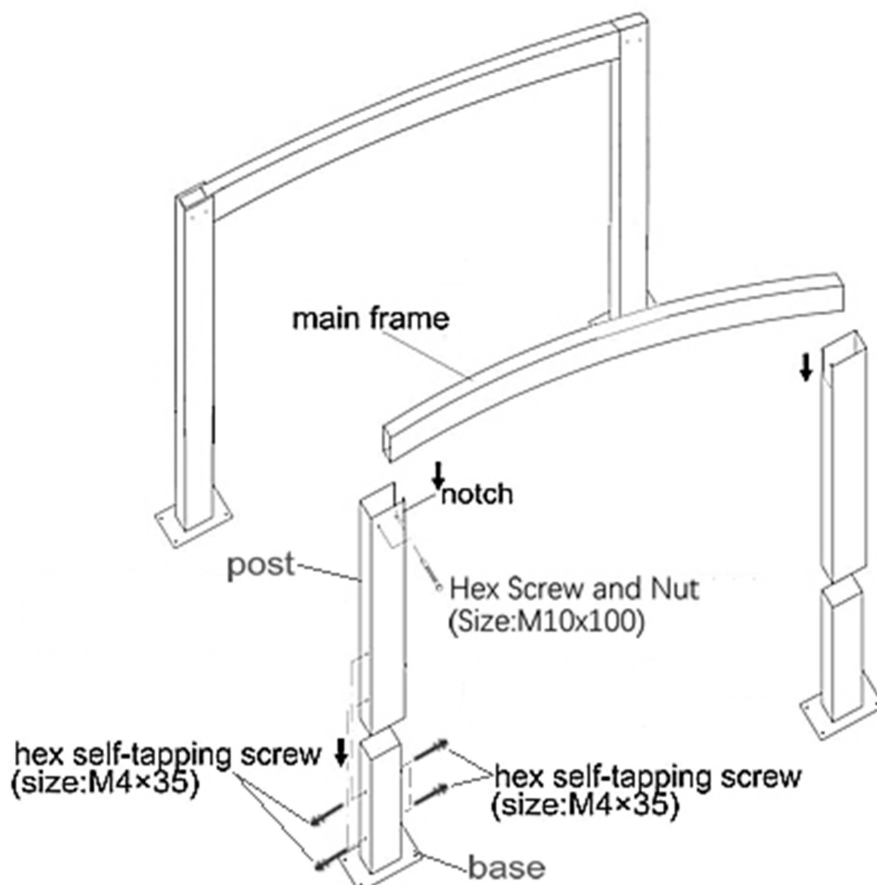
### 1. Base Installation

- (1) Fix base on concrete ground by expansion bolt M10x100, six bolts for each base.
- (2) Standard distance from post center to center is 3.5 meter to 4 meter.



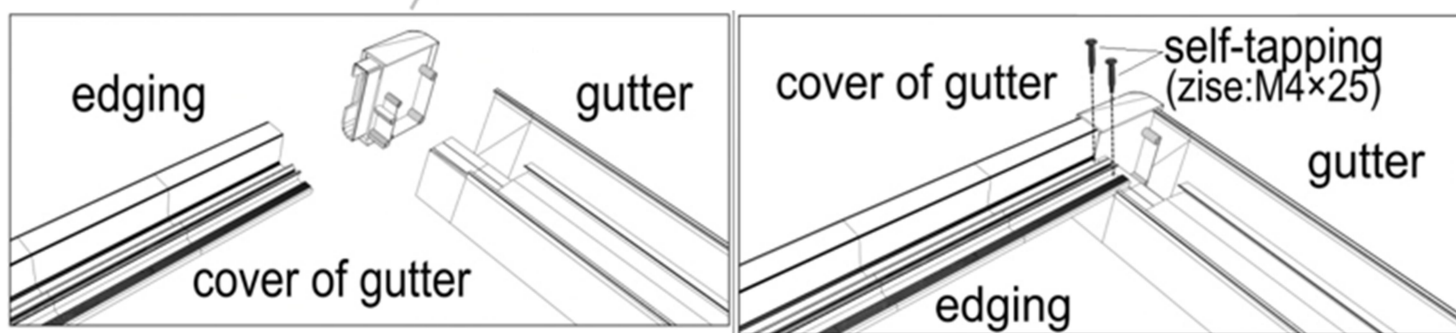
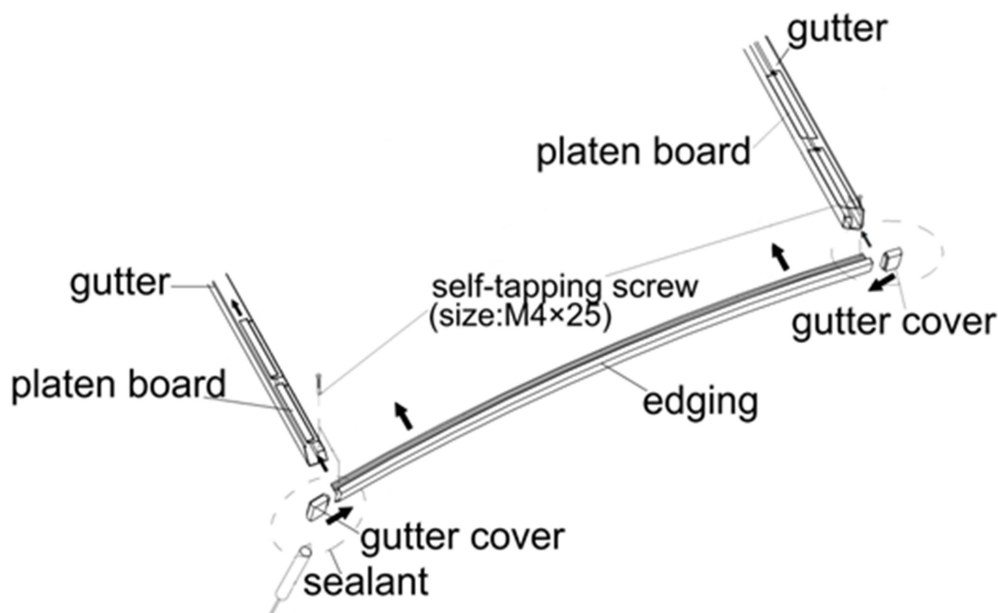
### 2. Post and main frame connection

- (1) While putting the post into the base, please make sure the post is perpendicular to the ground, and fix them to the base by hex self-tapping screw M4x35 4pcs for each base. *The screws need both sides.*
- (2) After the post has been installed, embed the main frame into the notch of the post, and fix them by Hex screw and nut M10x100 2pcs for each crossing point.

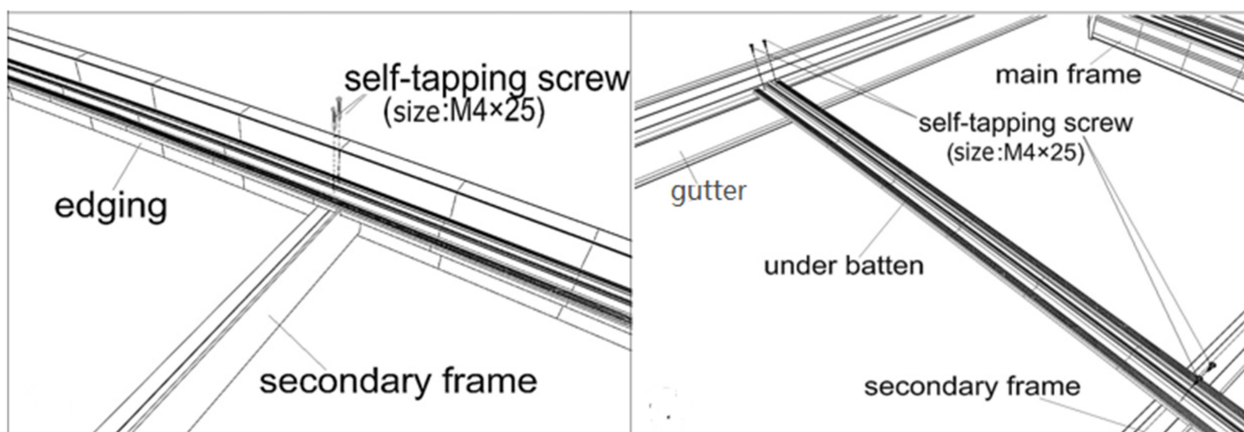


### 3. Installation roof structure

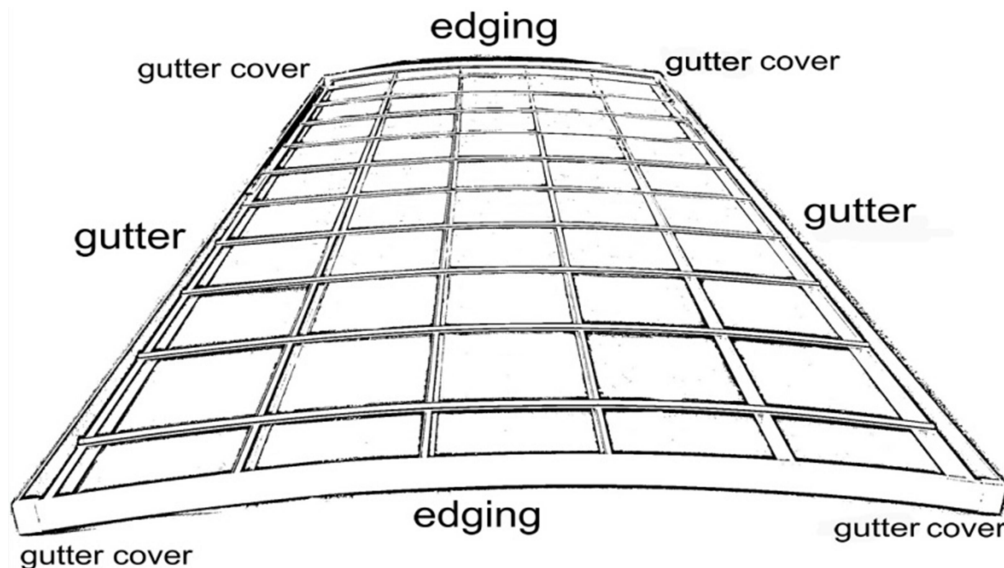
- (1) Insert the platen board into the gutter shown as bellow; **Please pay attention that the shorter ones should be at the ends of the gutter.**
- (2) Assemble the edgings and gutters with the covers.
- (3) To assemble the covers securely, please use the **rubber hammer** to fix the cover.
- (4) After they are assembled, **please make sure each corner is 90 degrees**. Fix all connecting parts with self-taping screws of M4x25, 2 screws for each connection.



- (5) Install the secondary frame perpendicular to the edging. Put two ends of the secondary frame into the rabbet of the edging, and fix them with M4x25 screws, 2 screws for each crossing point.
- (6) Install the under batten perpendicular to the gutter by screw M4x25, 2 screws for each crossing point, also fix with secondary frame by screw M4x25, 2 screws for each crossing point.



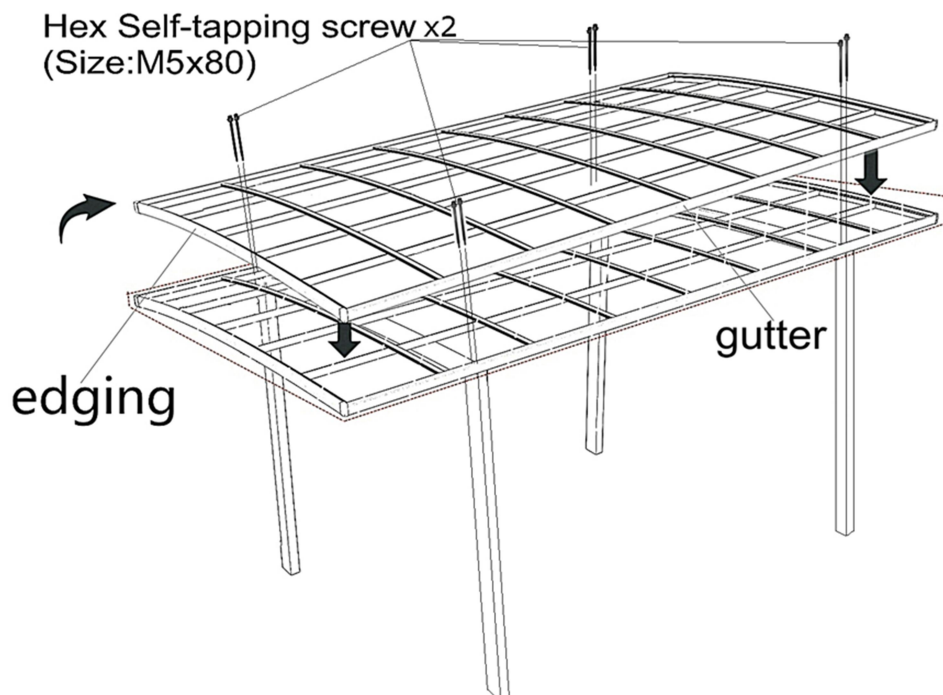
## The finished roof structure



### 4. Fix the roof structure to the main frame.

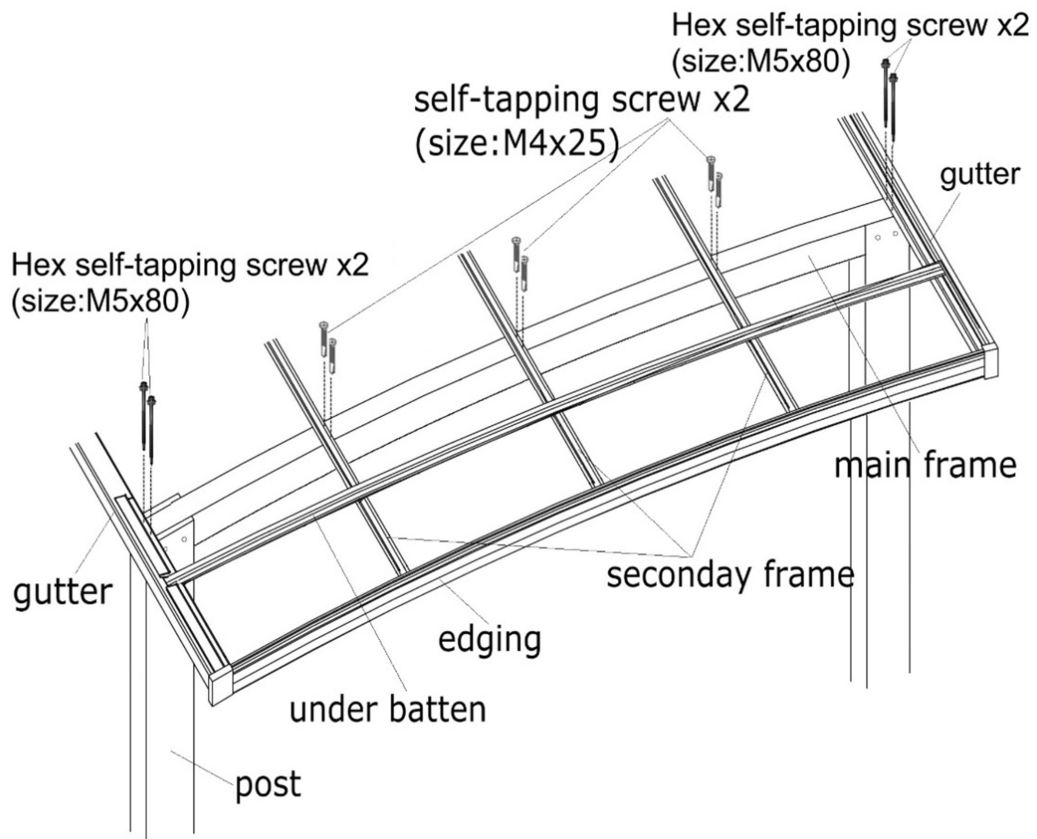
Two to three people raise the finished roof structure horizontal, and put it on top of the main frame. (The total weight of the roof structure is about 86kg). Fix the secondary frame and gutter to the main frame with the designated screws.

(1) Fix the gutters to the main frame with hex self-tapping screws M5x80 2pcs.



(2) Fix the secondary frames to the main frame by screw M4x25, 2 screws for each crossing point.

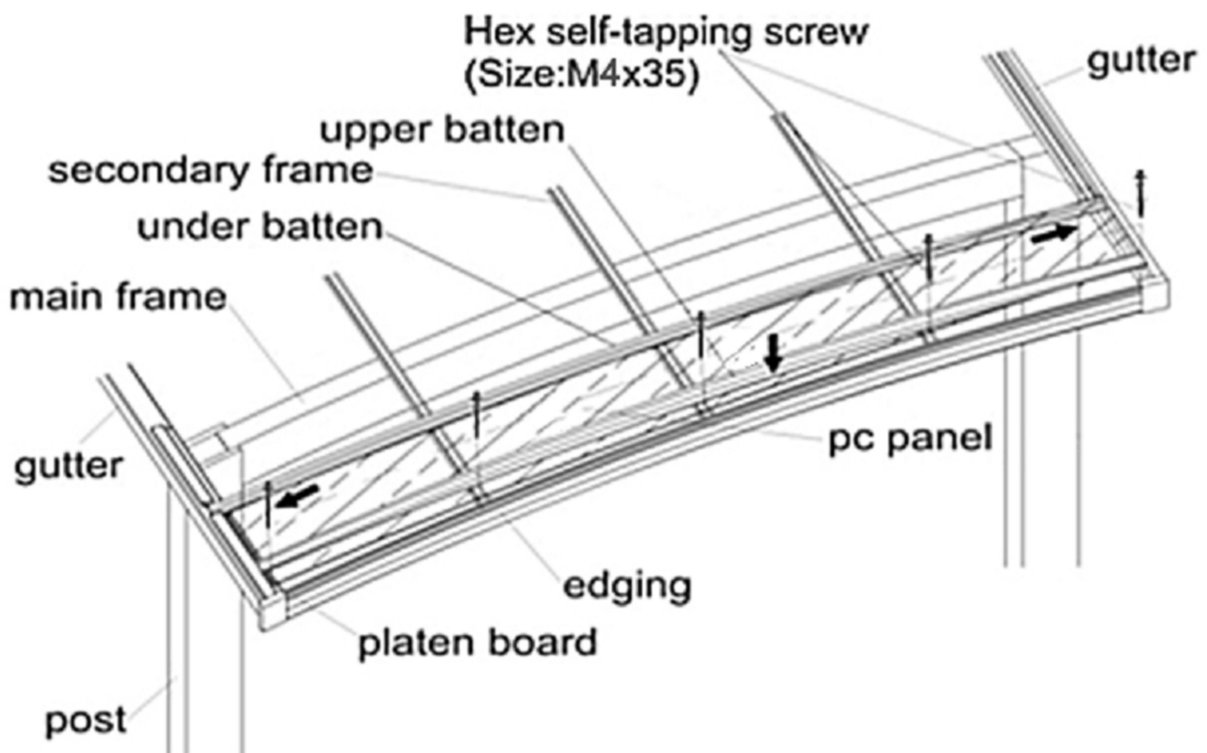


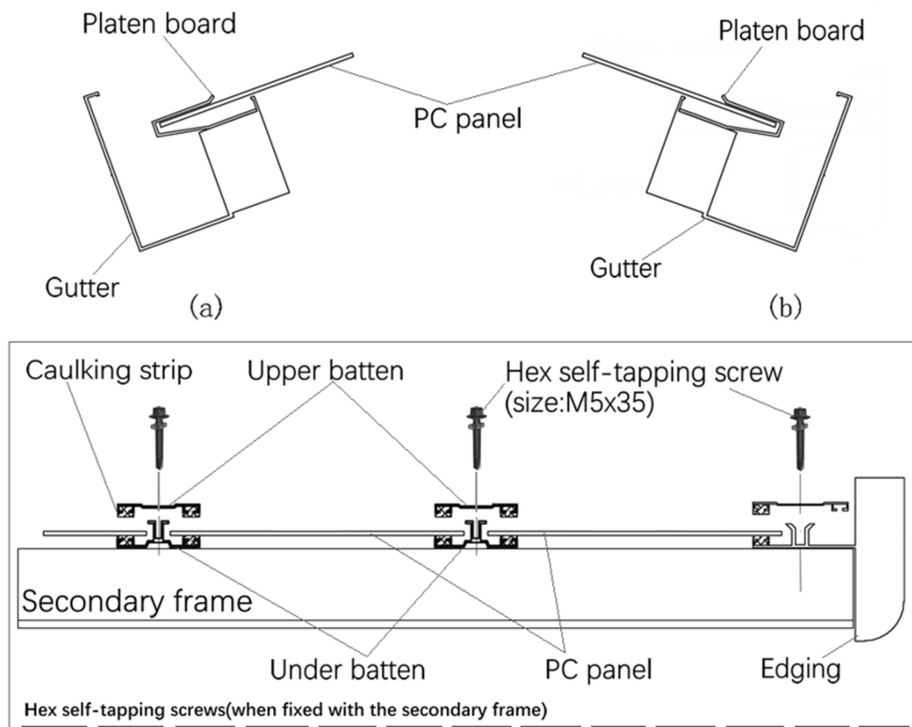


## 5. Panel Installation

*Please remove the protection film from the panel firstly (both sides)*

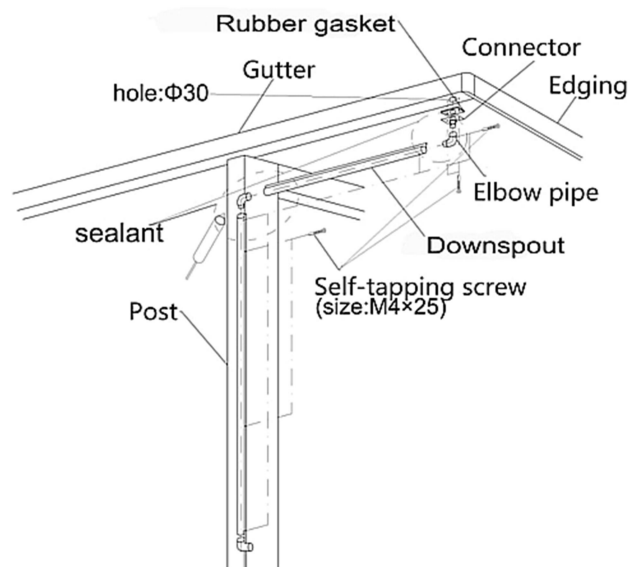
- (1) Put two ends of the panel into the platen board
- (2) Put the upper batten onto the panel and under batten (the panel is between the under batten and upper batten), and fix them by screws M4x35, 11 screws on each upper batten.
- (3) Install the first panel from the edging, and others followed in order.





## 6. Downspout Installation

- (1) Drill the drainage hole at the bottom of the gutter, in case that it is not pre-drilled.
- (2) Connect the downspout and use the sealant to prevent leakage.
- (3) Fix the downspout with the self-tapping screws M4x25.



### [Note]

- (1) Please use the designated screws to ensure tightening during installation.
- (2) Do not modify the material. If necessary, please consult our sales team in advance.
- (3) After finishing the installation, a general inspection is needed, such as the burrs and other safety issues.

#### TOOLS:

