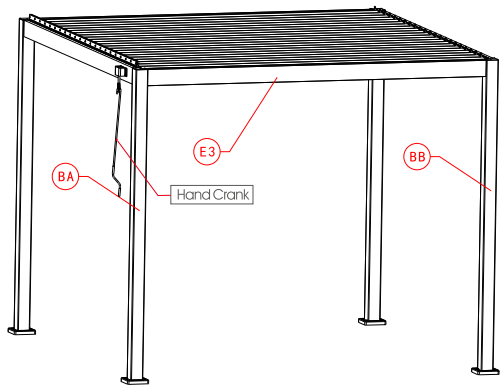


# INSTALLATION DIAGRAM (M140 4\*3m)

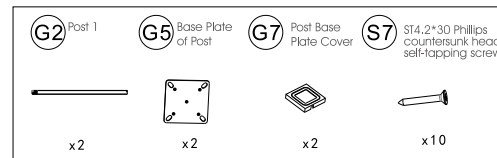


## M140 4\*3 LIST OF ALUMINIUM PROFILE and COMPONENTS

E1	Up Beam		X1	H1	Hand Crank Connection Part		X1
E2	Down Beam		X1	H22	Hand Crank Mechanical Part		X1
E3	Left & Right Beam		X2	H23	Sleeve		X1
E7	Up Beam Cover		X1	H24	Hand Crank Bar		X1
E8	Down Beam Cover		X1	S1	Expansion bolt		X16
E9	Connection Rod		X1	S5	ST4,2*16 Phillips pan head self-tapping screw		X148
E10	Gutter Clamp		X4	S7	ST4,2*30 Phillips countersunk head self-tapping screw		X20
G2	Post 1		X2	S9	M6*16 socket head pan head screw		X16
G3	Post 2		X2	S13	M6*25 Hexagon Countersunk Head Screws		x4
G4	Post Decoration Cover		X4	S20	Connection Rod Screws		X29
G5	Base Plate of Post		X4	S21	Lower F9 and hand crank connection screw		x1
G7	Post Base Plate Cover		X4				
F9	Connect Hand Crank Louver		X1				
F10	Standard Louver		X28				

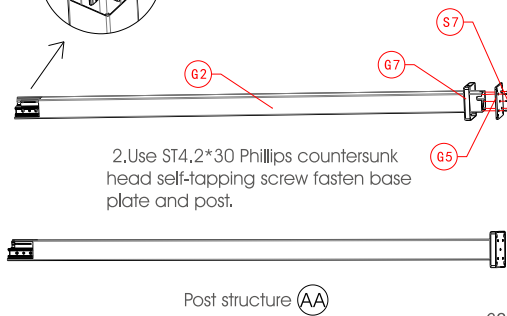
## Installation Step

### 1-Assemble Post Structure (AA)



Identify post 1 and post 2 by the notch above the U slot.

1. Sleeve Base Plate Cover into Post

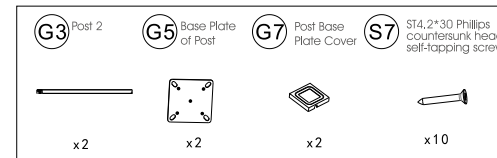


2. Use ST4,2\*30 Phillips countersunk head self-tapping screw fasten base plate and post.

Post structure (AA)

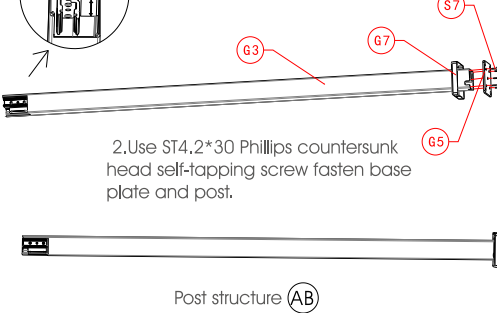
01

### 2-Assemble Post Structure (AB)



Identify post 1 and post 2 by the notch above the U slot.

1. Sleeve Base Plate Cover into Post

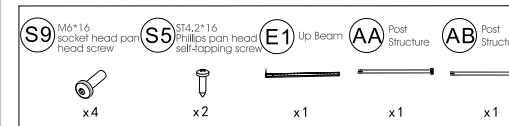


2. Use ST4,2\*30 Phillips countersunk head self-tapping screw fasten base plate and post.

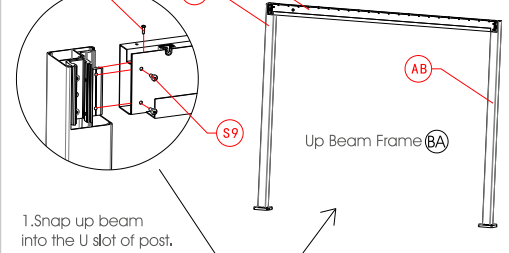
Post structure (AB)

03

### 3-Assemble Up Beam Frame (BA)



Note: Up beam have hand crank installation holes.



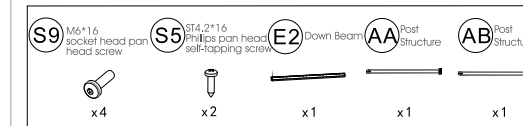
1. Snap up beam into the U slot of post.

Assemble post 1, post 2 and up beam to be up beam frame (BA).

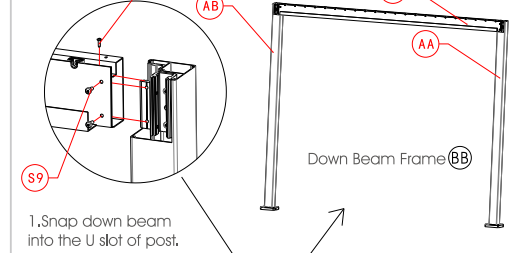
2. Fasten with two M6\*16 socket head pan head screws and one ST4,2\*16 Phillips pan head self-tapping screw.

04

### 4-Assemble Down Beam Frame (BB)



Note: Down beam don't have hand crank installation holes.



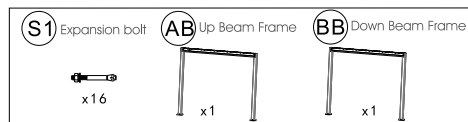
1. Snap down beam into the U slot of post.

Assemble post 1, post 2 and down beam to be down beam frame (BB).

2. Fasten with two M6\*16 socket head pan head screws and one ST4,2\*16 Phillips pan head self-tapping screw.

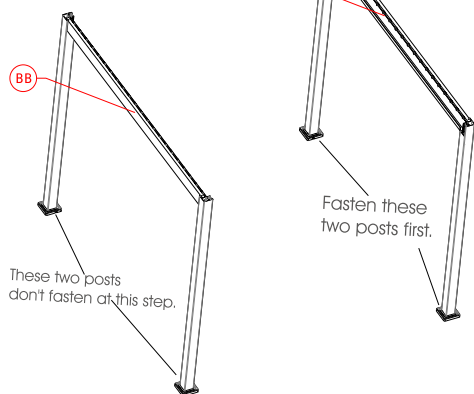
05

### 5-Fasten the Post



Note: Up beam have hand crank installation holes.

Note: Down beam don't have hand crank installation holes.

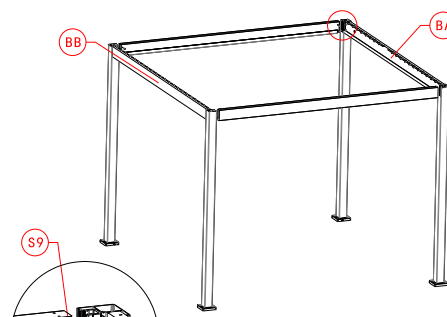
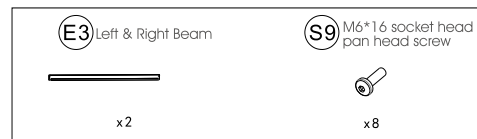


Fasten these two posts first.

These two posts don't fasten at this step.

06

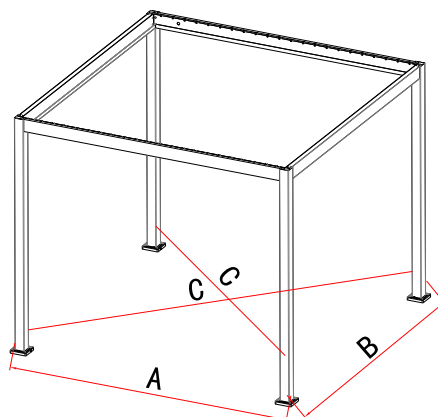
### 6-Assemble the Whole Frame



Snap the left & right beam into the u slot of the post, then fasten with M6\*16 socket head pan head screw.

07

### 7-Adjust and Fasten the Frame

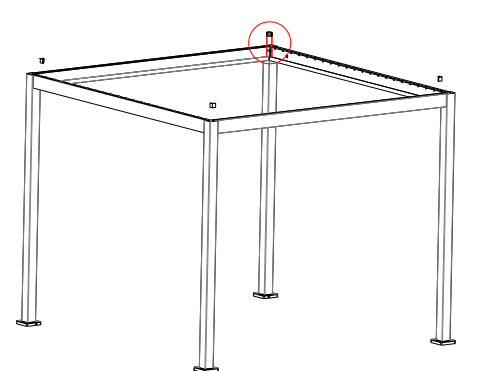


Measure the diagonal and line distance between two posts, ensure size correct, then fasten other two posts.

Install Measurement Data Sheet				
Size	Distance	A	B	C
4x3		3925	3010	4670.1

08

### 8-Install Gutter Clamp



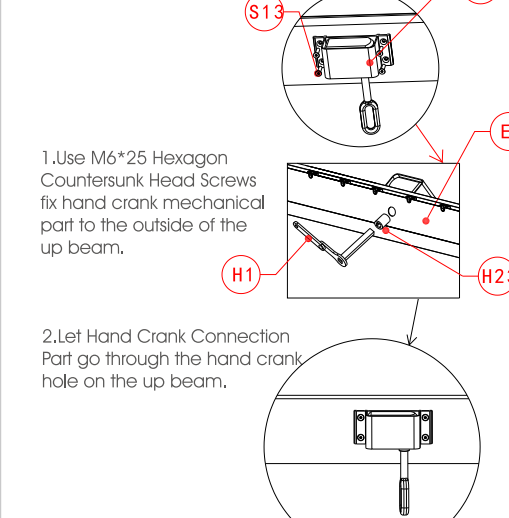
Gutter Clamp

E10 x4

Install the gutter clamp in the gutter corner and seal the inner side of gutter clamp by silicone sealant.

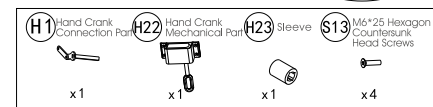
09

### 9-Install Hand Crank



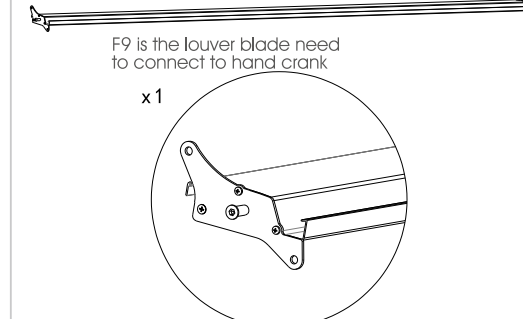
1. Use M6\*25 Hexagon Countersunk Head Screws fix hand crank mechanical part to the outside of the up beam.

2. Let Hand Crank Connection Part go through the hand crank hole on the up beam.



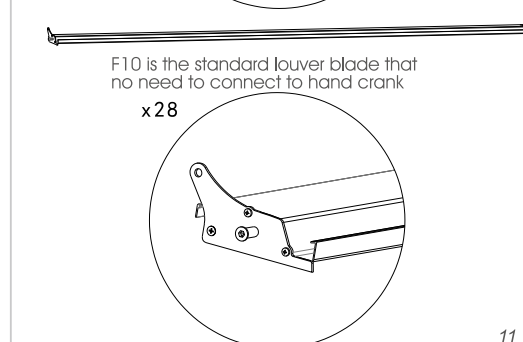
10

### 10-Distinct the louver blade



F9 is the louver blade need to connect to hand crank

x1



F10 is the standard louver blade that no need to connect to hand crank

x28

11

## Louver Blade Installation Order

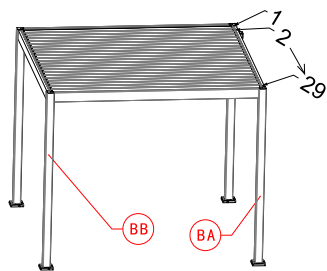
Identify two different type louvers.  
NO.2 is F9 louver that need to connect to hand crank.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	

NO.2 is F9 louver.  
Others are standard louver F10.

### Installation Order: Install F9 louver first

Note: NO.2 is F9 louver that need to connect to hand crank

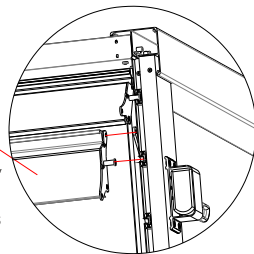


12

## 11-Install the connect to hand crank louver F9 first.

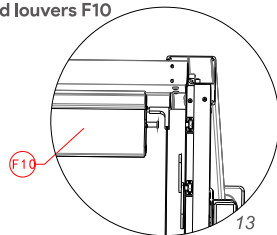
Insert F9 louver into louver blade's plastic base.

Use M6\*16 pan head screws, washers, stainless steel rings, and lock nuts to connect the hand crank connection parts and F9 louver blade.



## 12-Then install standard louvers F10

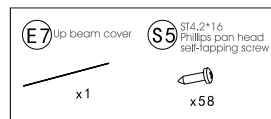
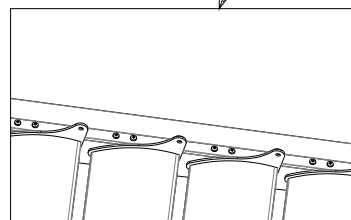
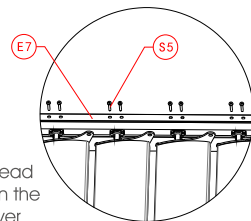
Insert standard louver F10 into louver blade's plastic base.



13

## 13-Fasten the up beam cover.

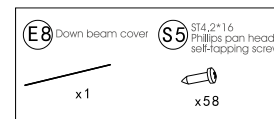
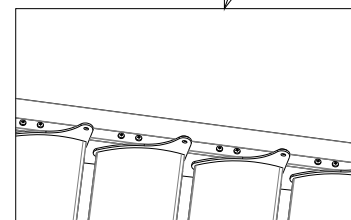
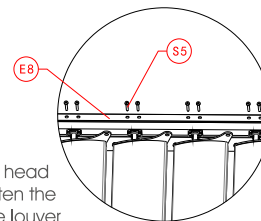
Use ST4.2\*16 Phillips pan head self-tapping screw to fasten the up beam cover to the louver blade's plastic base.



14

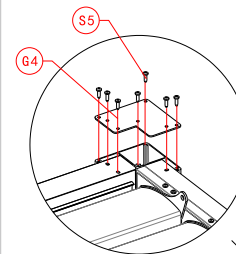
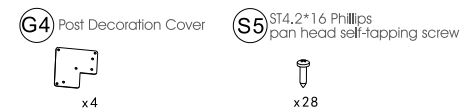
## 14-Fasten the down beam cover.

Use ST4.2\*16 Phillips pan head self-tapping screw to fasten the down beam cover to the louver blade's plastic base.

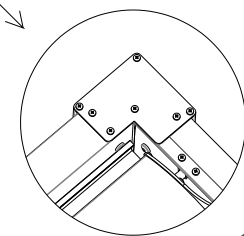


15

## 15- Install Post Decoration Cover.

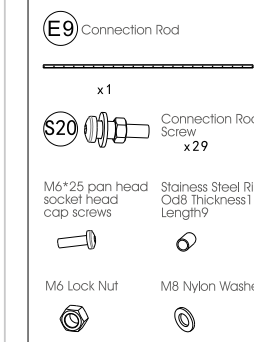
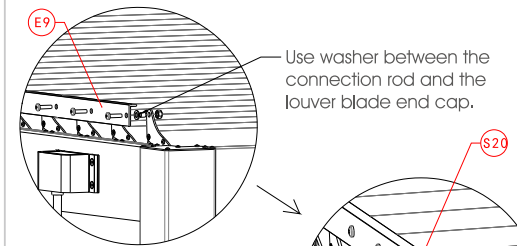


Each post decoration cover use 7 pieces ST4.2\*16 Phillips pan head self-tapping screws to fasten on post.



16

## 16- Install Connection Rod



Install connection rod on the hand crank side, fasten with connection rod screws.

17