



INSTALLATION MANUAL

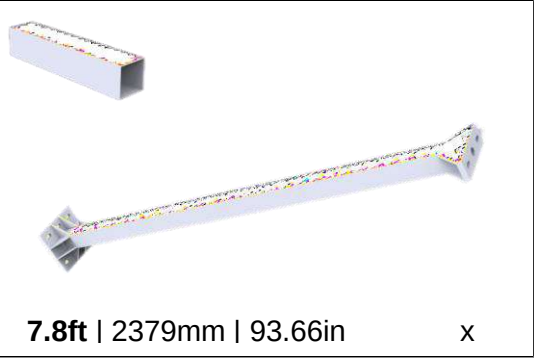
Solar carport



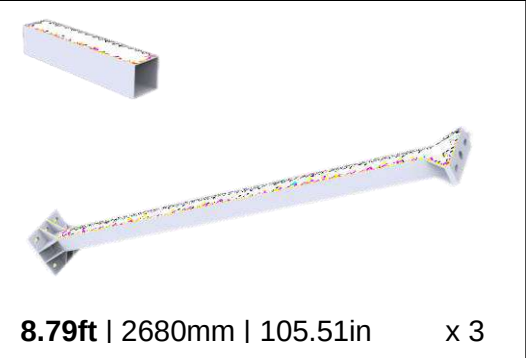
Please read this manual before using the product and follow the instructions contained therein!

PARTS LIST

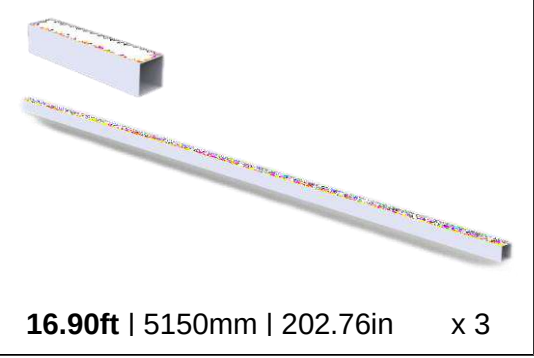
A Welded pile1



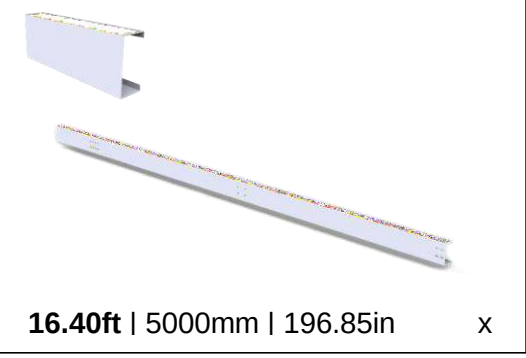
B Welded pile 2



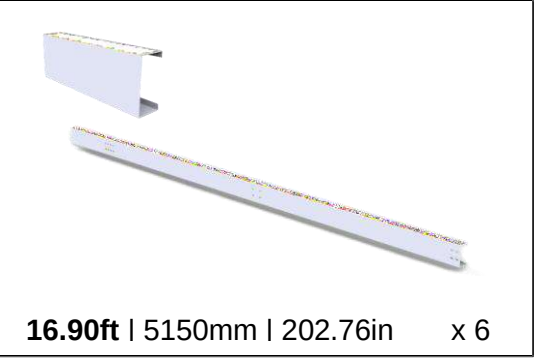
C Welded beam



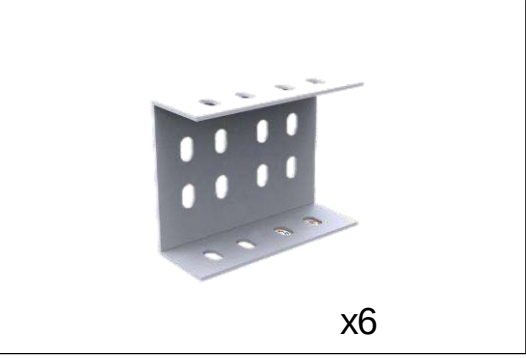
D Mount rail 1



E Mount rail 2



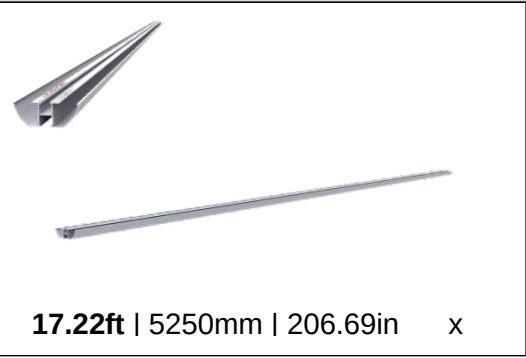
F Rail splice



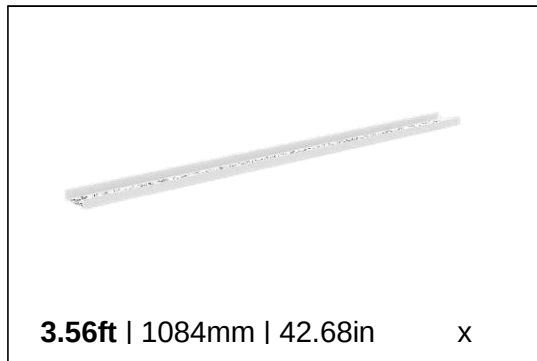
G Support Beam Splice



H BIPV rail



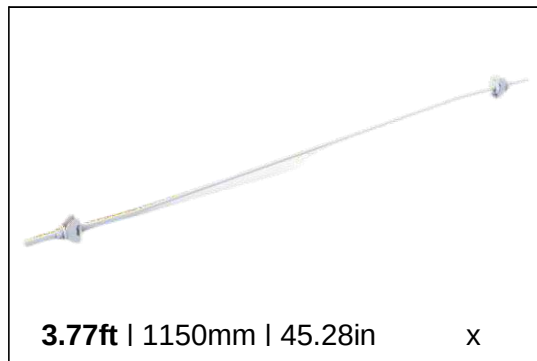
I BIPV gutter



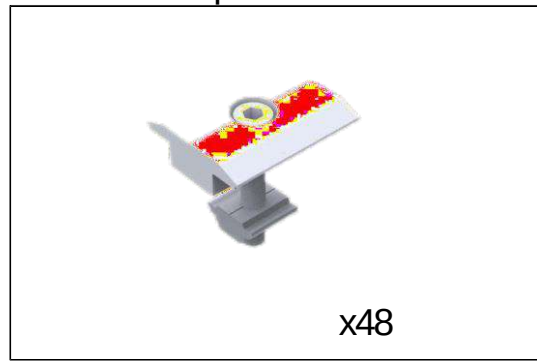
J BIPV U shape rail hoop



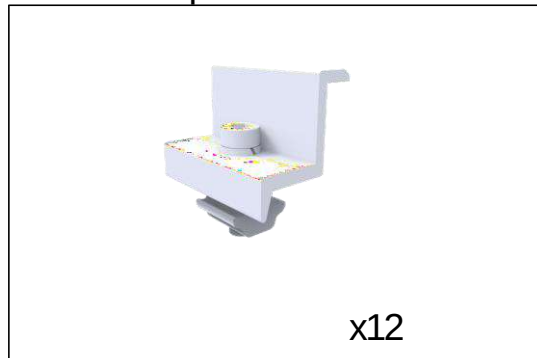
K Steel rod



L Mid clamp



M End clamp



N Solar panel



5.65 ft x 3.72 ft x 0.098 ft/0.115 ft x 27

67.8 in x 44.65 in x 1.18 in/1.38 in x 27

1722 mm x 1134 mm x 30 mm/35 mm x 27

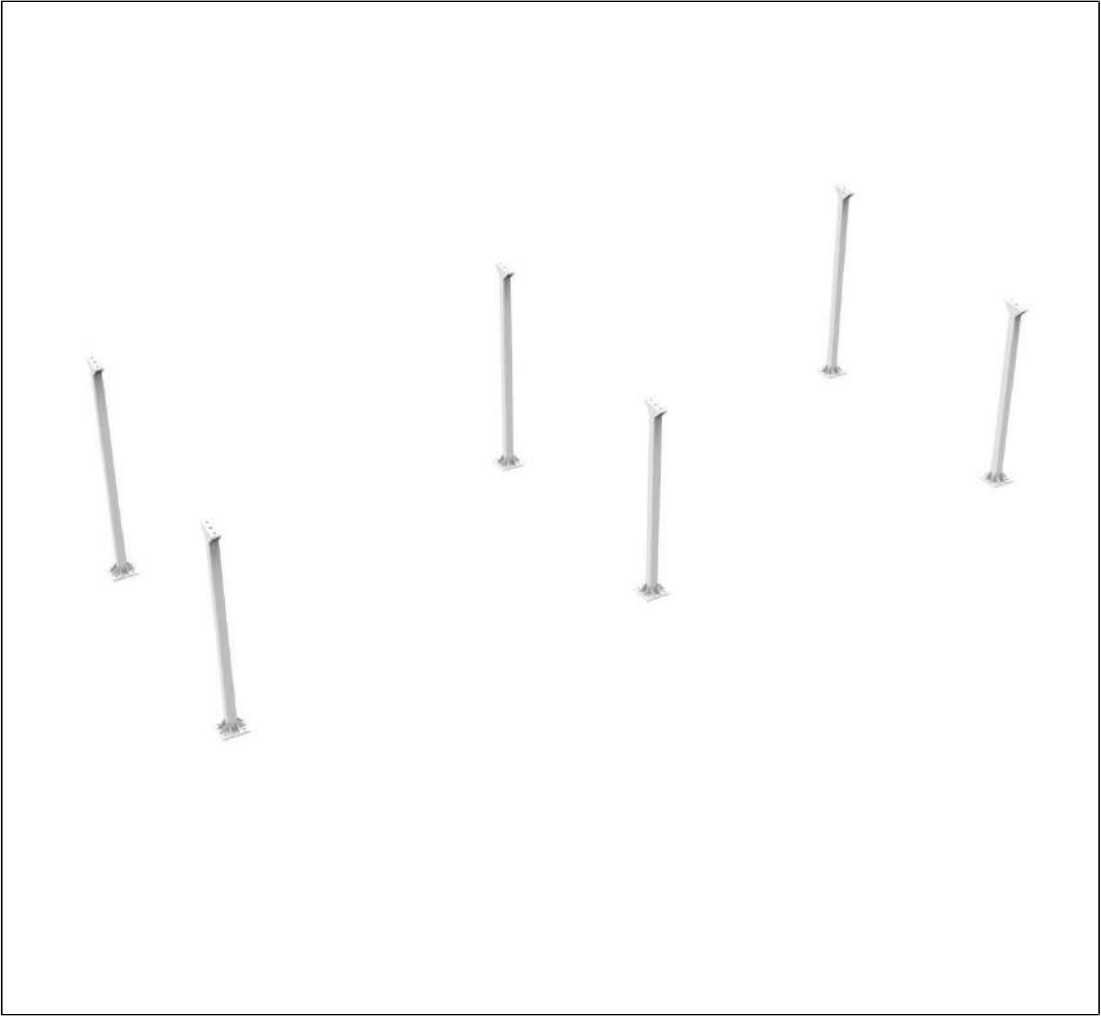
MONTAGE

Step 1: Mounting Welded pile

Install welded pile 1 and welded pile 2 on the ground according to the drawing.

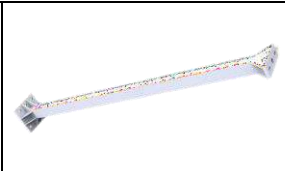
	
7.81ft x3	8.79ft x3
93.66in x3	105.51in x3
2379mm x3	2680mm x3
A Welded pile 1	B Welded pile 2

Effect diagram

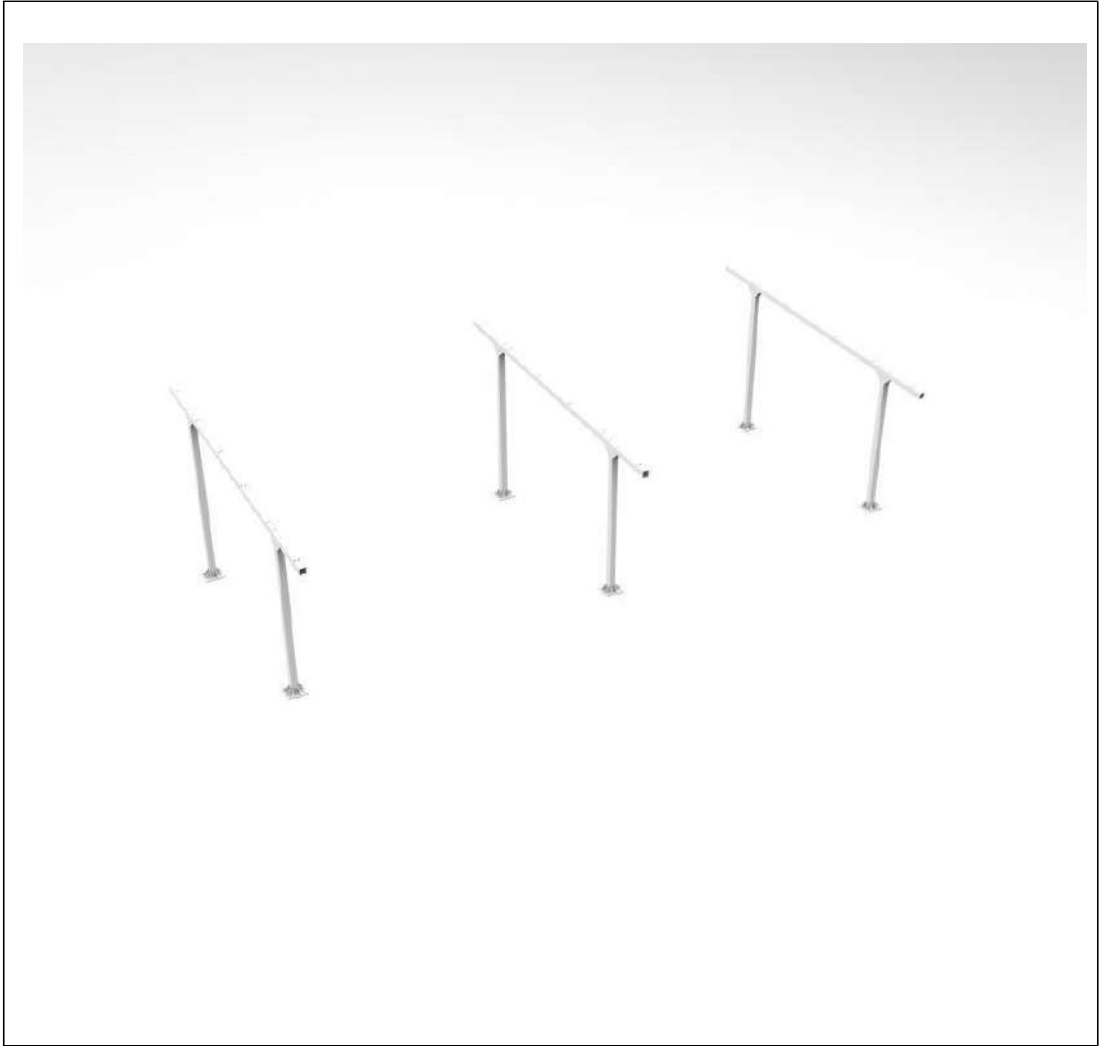


Step 2: Mounting Welded beam

Install welded beam on welded pile 1 and welded pile 2 according to the drawing by bolts.

			
7.81ft x3	8.79ft x3	16.90ft x3	M20x170 x12
2379mm x3	2680mm x3	5150mm x3	
93.66in x3	105.51in x3	202.76in x3	
A Welded pile1	B Welded pile2	C Welded beam	

Effect diagram

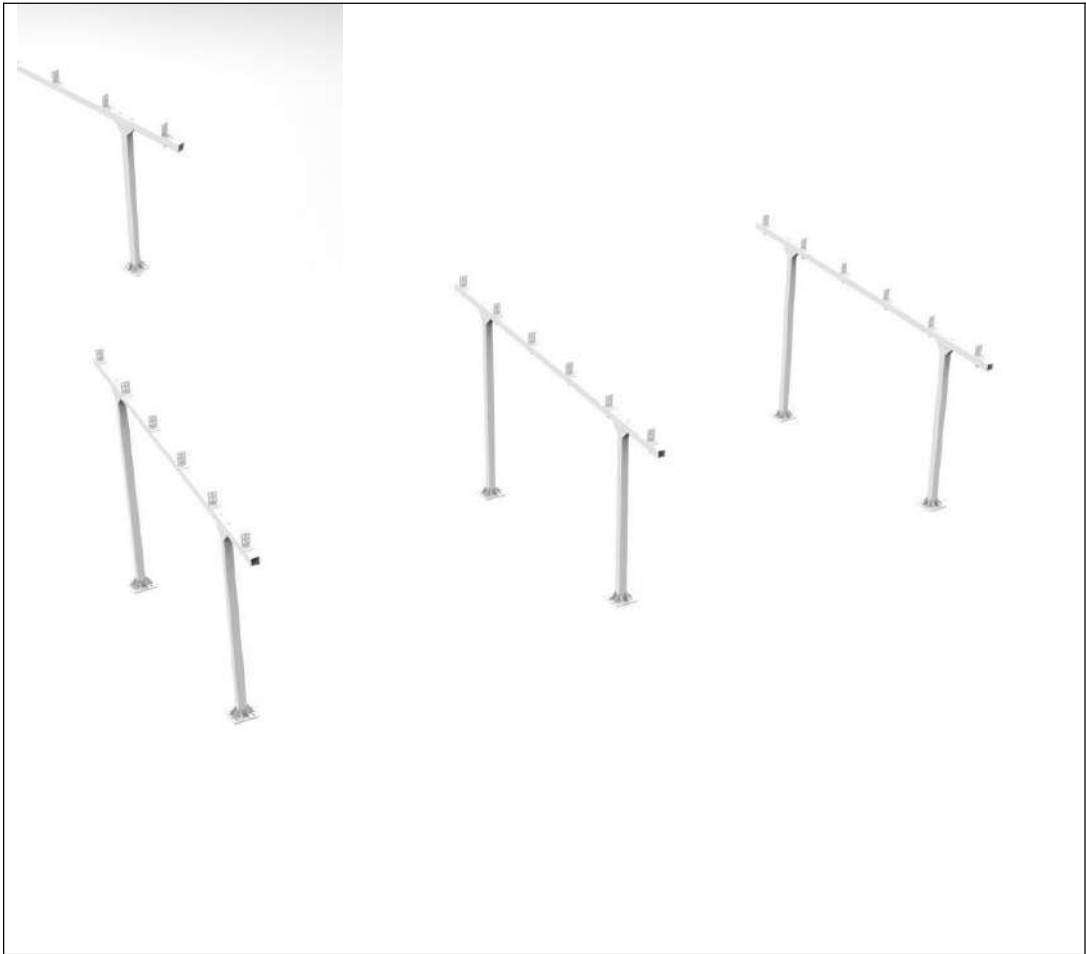


Step 3: Mounting Support Beam Splice

Install support beam splice on welded beam according to the drawing by bolts.

		
16.90ft x3	x18	M16x150 x36
202.76in x3		
5150mm x3		
C Welded beam	G Support Beam Splice	

Effect diagram



Step 4: Mounting Mount rail 1 and Mount rail 2

Install mount rail 1 and mount rail 2 on support beam splice according to the drawing by bolts.

			
16.40ft /18.37ft x 6	8.79ft x6	 x18	M16x50 x168
196.85in/220.47in x 6	105.51in x6		
5000/5600mm x 6	2680mm x6		
D/E Mount rail 1/2	F Rail splice	G Support Beam Splice	

Effect diagram



Step 5: Mounting Steel rod

Install steel rod on mount rail 1 and mount rail 2 according to the drawing by bolts.

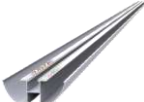
			
16.40ft /18.37ft	x6	3.77ft	x10
196.85in/220.47in	x6	45.28in	x10
5000/5600mm	x6	1150mm	x10
D/E Mount rail 1/2		K Steel rod	

Effect diagram

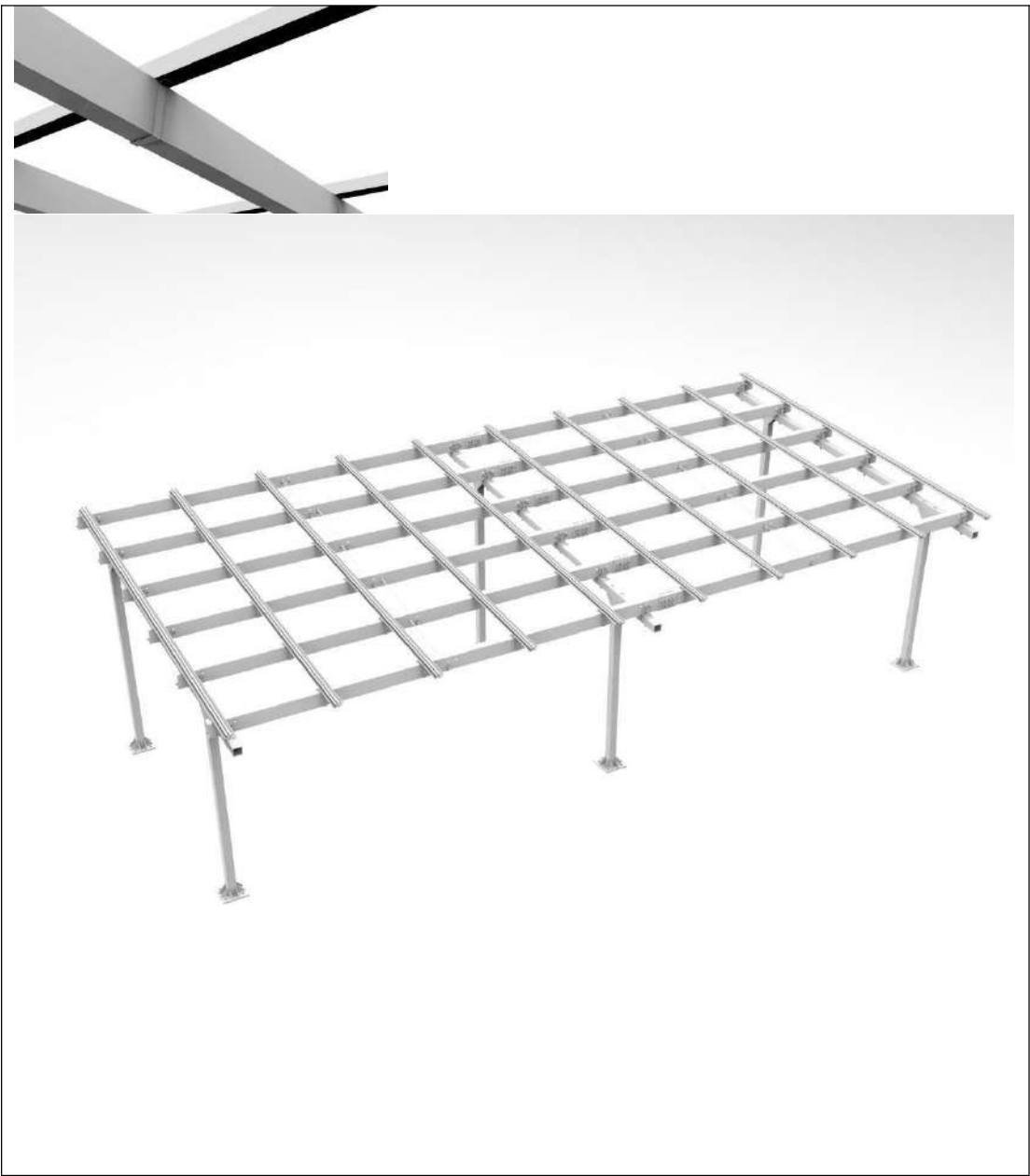


Step 6: Mounting H BIPV rail

Install H BIPV rail on mount rail 1 and mount rail 2 according to the drawing by BIPV U shape rail hoop.

		
16.40ft /18.37ft x6	x60	17.22ft x10
5000/5600mm x6		5250mm x10
196.85in/220.47in x6		206.69in x10
D/E Mount rail 1/2	J BIPV U shape rail hoop	H BIPV rail

Effect diagram



Step7: Mounting Solar panel and BIPV gutter

Install Solar panel and BIPV gutter on H BIPV rail according to the drawing by Mid clamp and End clamp.

			
5.65 ft x 3.72 ft x 0.098 ft/0.115 ft x 27	x48	x12	3.56ft x18
67.8 in x 44.65 in x 1.18 in/1.38 in x 27			42.68in x18
1722x1134x30/35mm x27			1084mm x18
N Solar panel	L Mid clamp	M End clamp	I BIPV gutter

Effect diagram



For foundation:

(For reference only, the actual size should be subject to the construction field conditions)

1. Site Preparation: Leveling the ground.
2. Marking and Positioning: Using tools like ropes to mark the positions of the carport's foundations on the site.
3. Excavating Foundation Pits: Digging pits according to design specifications, with dimensions of 1x1x1.5 meters.
4. Placing Anchor Bolts: Placing suitable steel reinforcement cages according to the foundation, and fixing anchor bolts in the holes of the carport columns' bases.
5. Pouring Concrete: Pouring concrete to ensure even distribution.
6. Smoothing Concrete Surface: Using wooden boards or tools to smooth the surface.
7. Curing: Timely maintenance after concrete pouring.
8. Completion: Ensuring the foundation is completely dry and hardened before safely erecting the carport on the cement foundation.