



MODEL/ SKU#:
CPM12X30BLK
PRODUCT MANUAL
v.2024.05.06

12 X 30 FT HEAVY DUTY METAL CARPORT



- Please read and understand the product manual completely before assembly
- Check against the parts list to make sure all parts are received
- Wear proper safety goggles or other protective gears while in assembly

MAIN SPECIFICATIONS :

- Overall assembled size : W3.66 x L9.12 x H2.92 (m) / 12 x 30 x 9.6 (ft)
- Width : 3.66 m / 12ft
- Length : 9.12 m / 30 ft
- Ridge Peak Height : 2.92 m / 9.6 ft
- Shoulder wall clearance height : 2.4 m / 7.9 ft

PRIOR TO ASSEMBLY

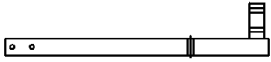
Please read the instructions carefully before installation. It is important to follow your local safety regulations and industry standards during installation. Regulations may include but are not limited to:

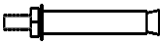
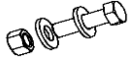
- Safety helmets, protective eyewear, and clothing.
- Safety harnesses for all elevated workers.
- Proper ladder, cage, and safety operation.

Check all components and parts before installation. All parts are marked with a part number, please refer to the parts list to make sure you have all parts.

Choose a day with low or no wind to install, assembly is hard in heavy wind. Do not make any alterations to the structure. Do not hang any weights on the frame during installation, including parts. We are not responsible for any damages or injuries caused by inappropriate installation, unauthorized modifications or extreme weather.

This building is not intended for human occupancy.

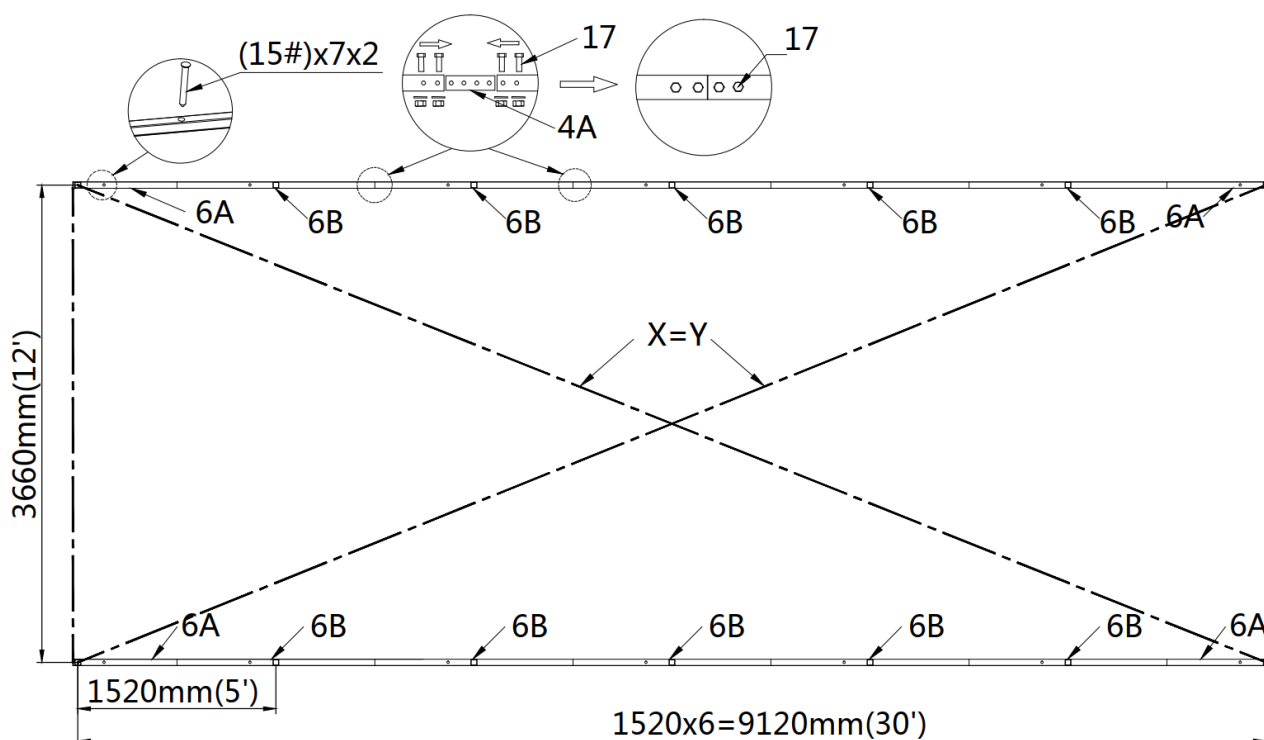
CP1230 PART LIST				
PARTS CODE	GRAPHICAL	DESCRIPTION	LENGTH	QTY
1		Peak arch tube	L483mm	7
2		Middle rafter tube	L1280mm	14
3		Shoulder tube	L1033mm	14
4		Sidewall tube	L1480mm	14
4A		Short casing	L198mm	54
5C		Side edge crossbar (front and rear truss)	L1590mm	4
5D		Side edge crossbar (middle truss)	L1520mm	8
6A		Foot tube (front and rear)	L795mm	4
6B		Foot tube (middle)	L1520mm	10
7A		Metal sheet (front and rear truss)	W870xL1640mm	14
8A		Metal sheet (middle truss)	W870xL1620mm	28
9		Edge protector	L1780mm	2
9L		Edge protector	L1780mm	2
9R		Edge protector	L1780mm	2
10		Edge buckle	L200mm	4

11		Water plug		4
12		Steel cable mounting plate	L100mm	4
13		Anchor Hook	φ16x80mm	4
		Ground pegs (Installed on soil foundation)	φ16 x 400mm	4
14		Steel cable	φ6x3.3m	4
15		Expansion bolt	φ16 x 150mm	14
		Ground pegs (Installed on soil foundation)	φ16 x 400mm	14
16		Waterproof silicon sealant		2
16A		Caulking gun		1
17		Hex bolt	M10x70mm	244
18		Self tapping screw	M5x25mm	304
19		Rivet	φ3.2x5mm	50
20		Corner protector		4
21		Sleeve	8mm	2

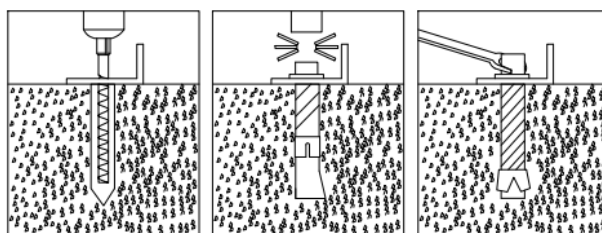
INSTALLATION STEPS

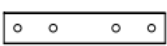
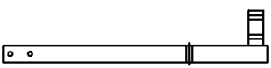
STEP 1 : REVIEW THE WHOLE STRUCTURE AND CHOOSE THE PROPER INSTALLATION SITE.

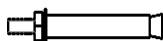
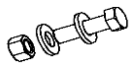
- For normal installation which is using ground bolts, please make sure that user should install it on a flat cement floor.
- The diagonal X and Y must be equal.



- Installation diagram of expansion bolt.



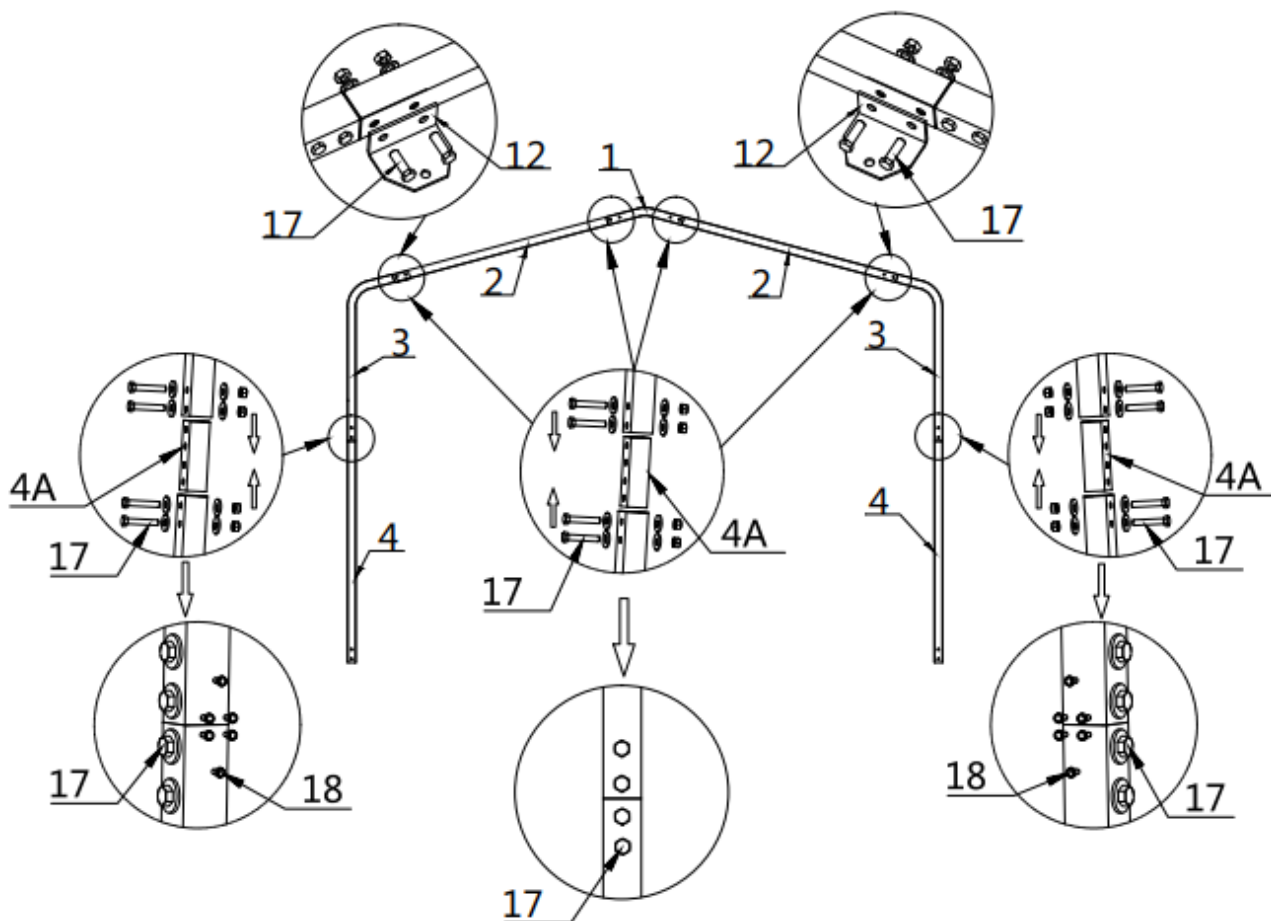
NO.	PART	QTY
4A		12
6A		4
6B		10

NO.	PART	QTY
15		14
		14
17		48

STEP 2 : ASSEMBLE ALL TRUSSES.

The building includes 7 trusses: (1) front truss, (1) rear truss, and (5) middle trusses.

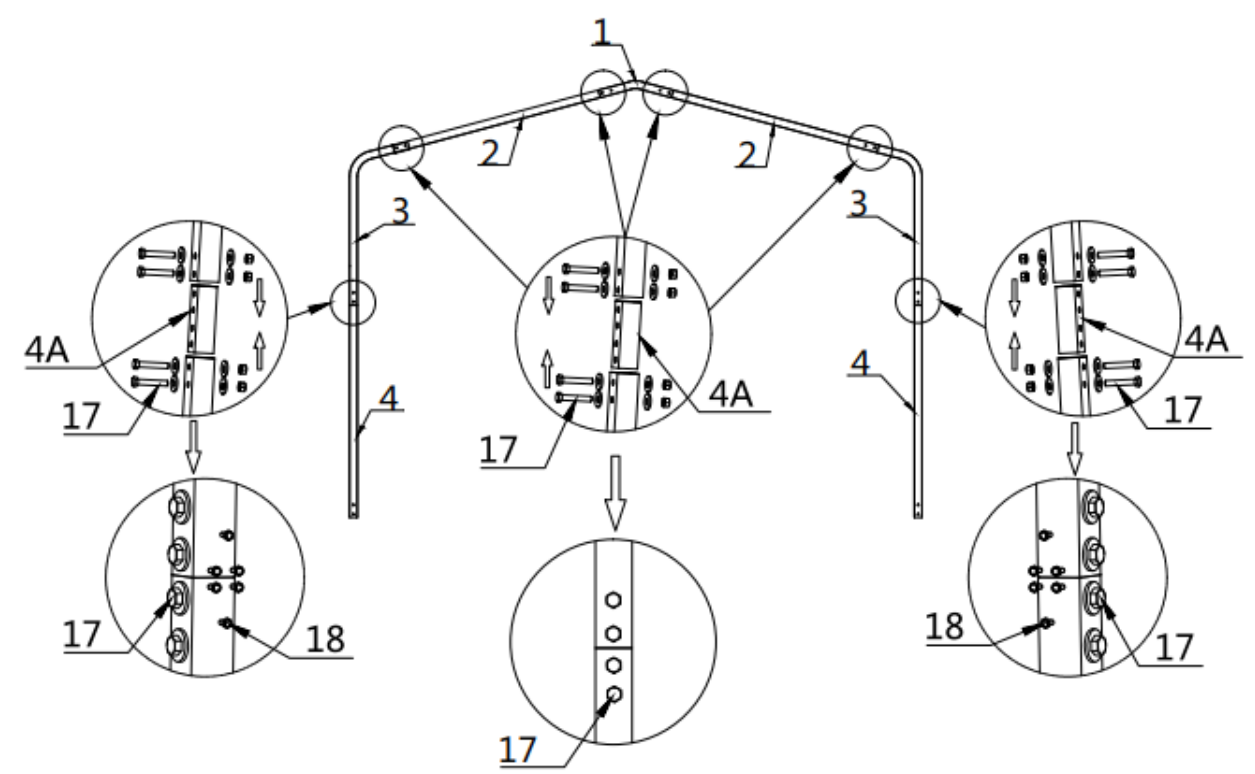
- Parts used to install the front and rear truss in this step.

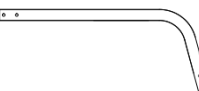
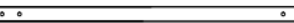


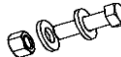
NO.	PART	QTY
1		1x2
2		2x2
3		2x2
4		2x2

NO.	PART	QTY
4A		6x2
12		2x2
17		24x2
18		12x2

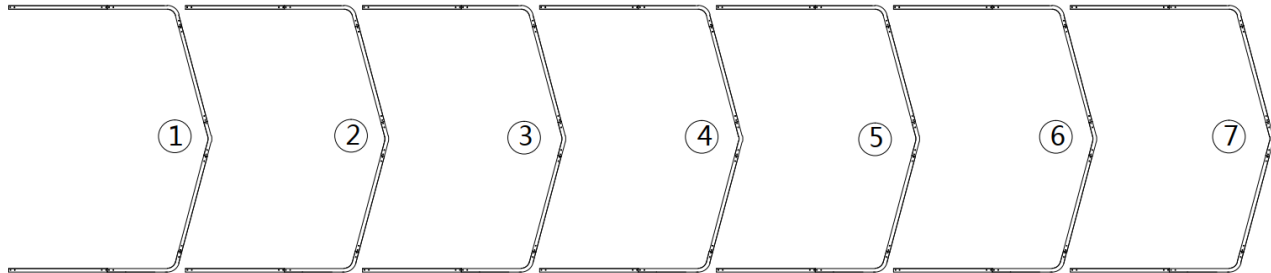
- Parts used to install (5) middle trusses in this step.



NO.	PART	QTY
1		1x5
2		2x5
3		2x5
4		2x5

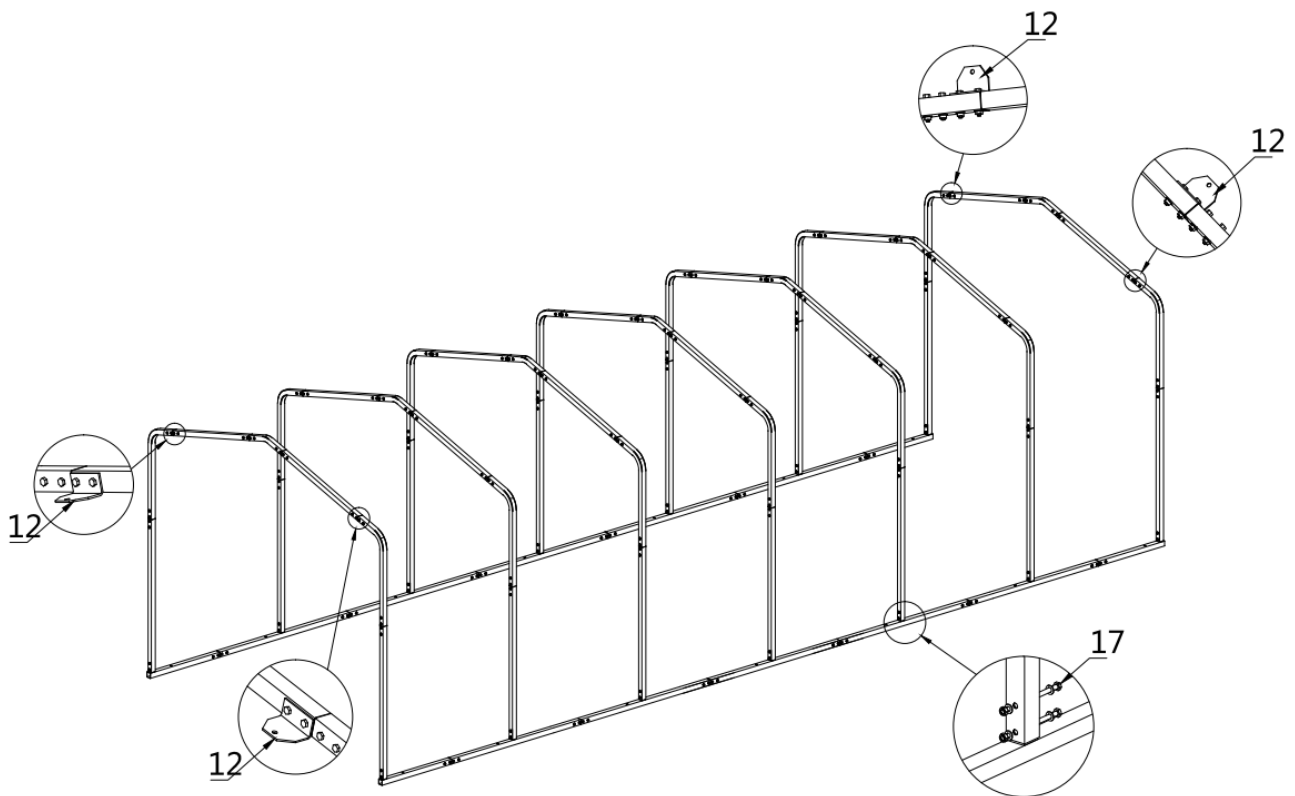
NO.	PART	QTY
4A		6x5
17		24x5
18		12x5

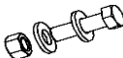
- Lay down all (7) trusses on the ground when the assembly is all completed and before moving to next step.



STEP 3 : ASSEMBLE ALL TRUSSES TO THE FOUNDATION PIPE AND CONNECT THEM WITH (#17) BOLTS.

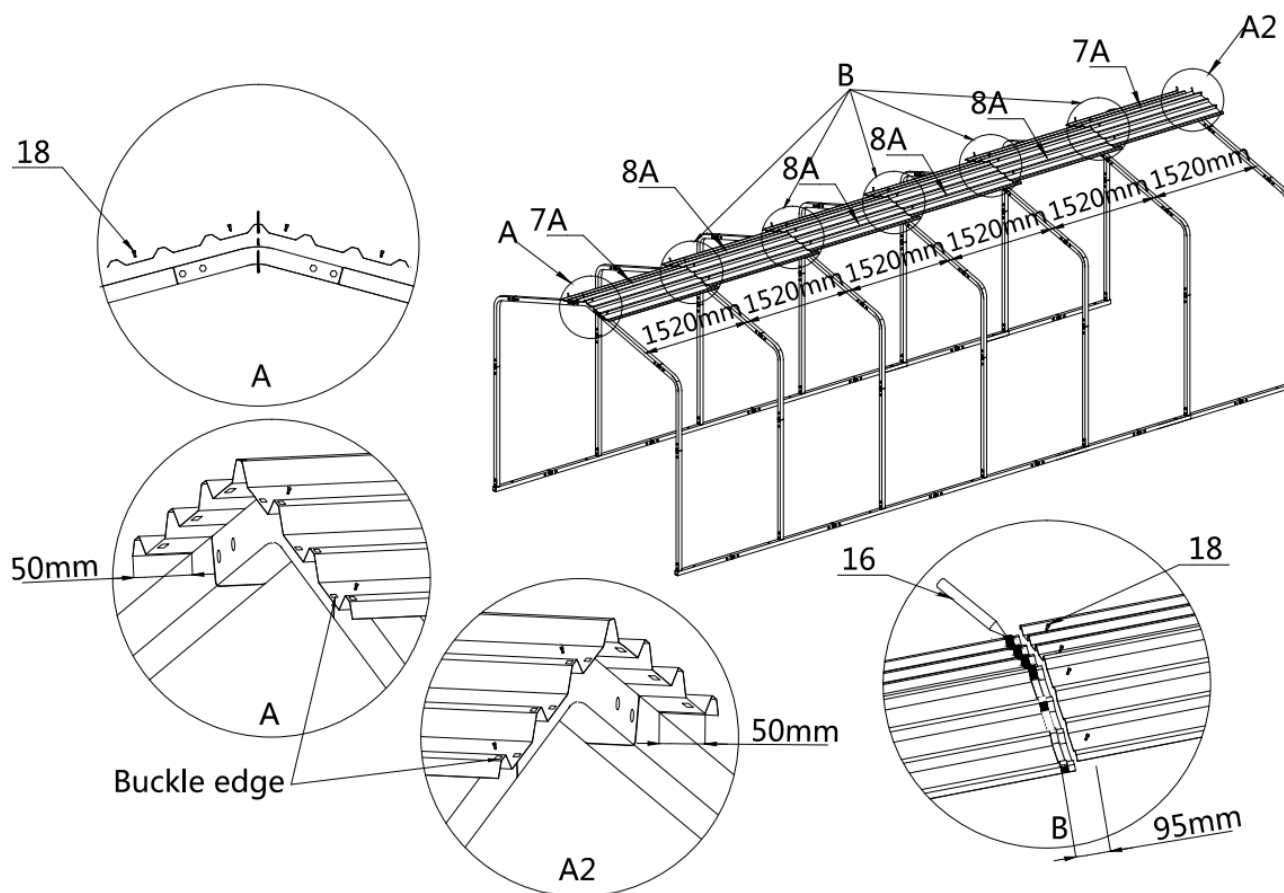
- The front and rear trusses are installed with one side of (#12) Steel cable mounting plate facing outwards.



NO.	PART	QTY
17		28

STEP 4 : INSTALL THE COLOR IRON TILE.

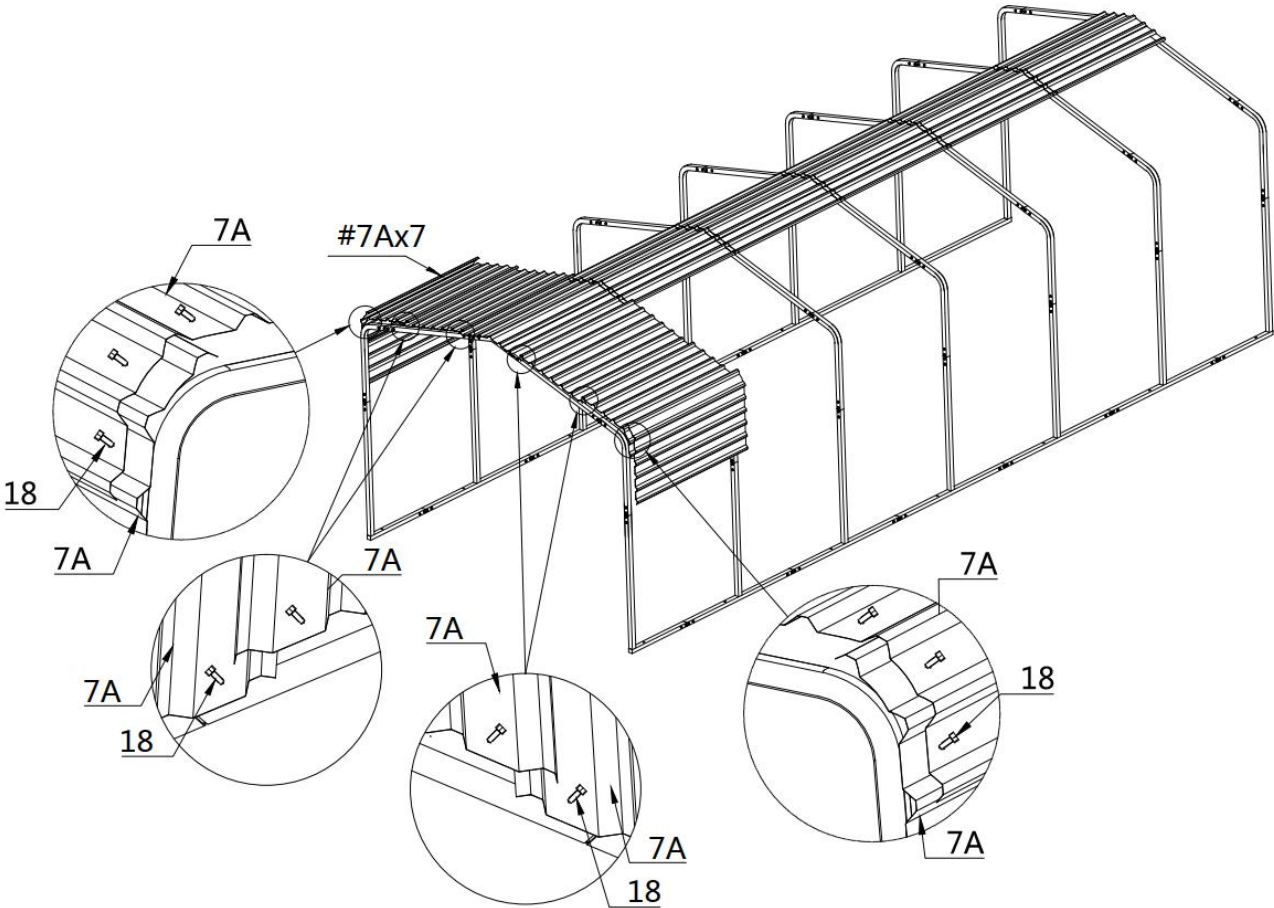
- Before installation, ensure that the distance between centers of each collapse is 1520mm. Install the first row of colored iron tiles from the top end. The center of the colored steel tiles must be aligned with the midpoint of the top arch tube (you can mark the center of the top arch tube with a line). The extension size of both ends is 50mm. The size of the middle cross overlap position is 95mm, and the cross overlap position needs to be coated with Waterproof silicon sealant. All color iron tiles are fixed on the truss with (#18) self tapping screws.



NO.	PART	QTY
7A		2
8A		4

NO.	PART	QTY
16		1
18		28

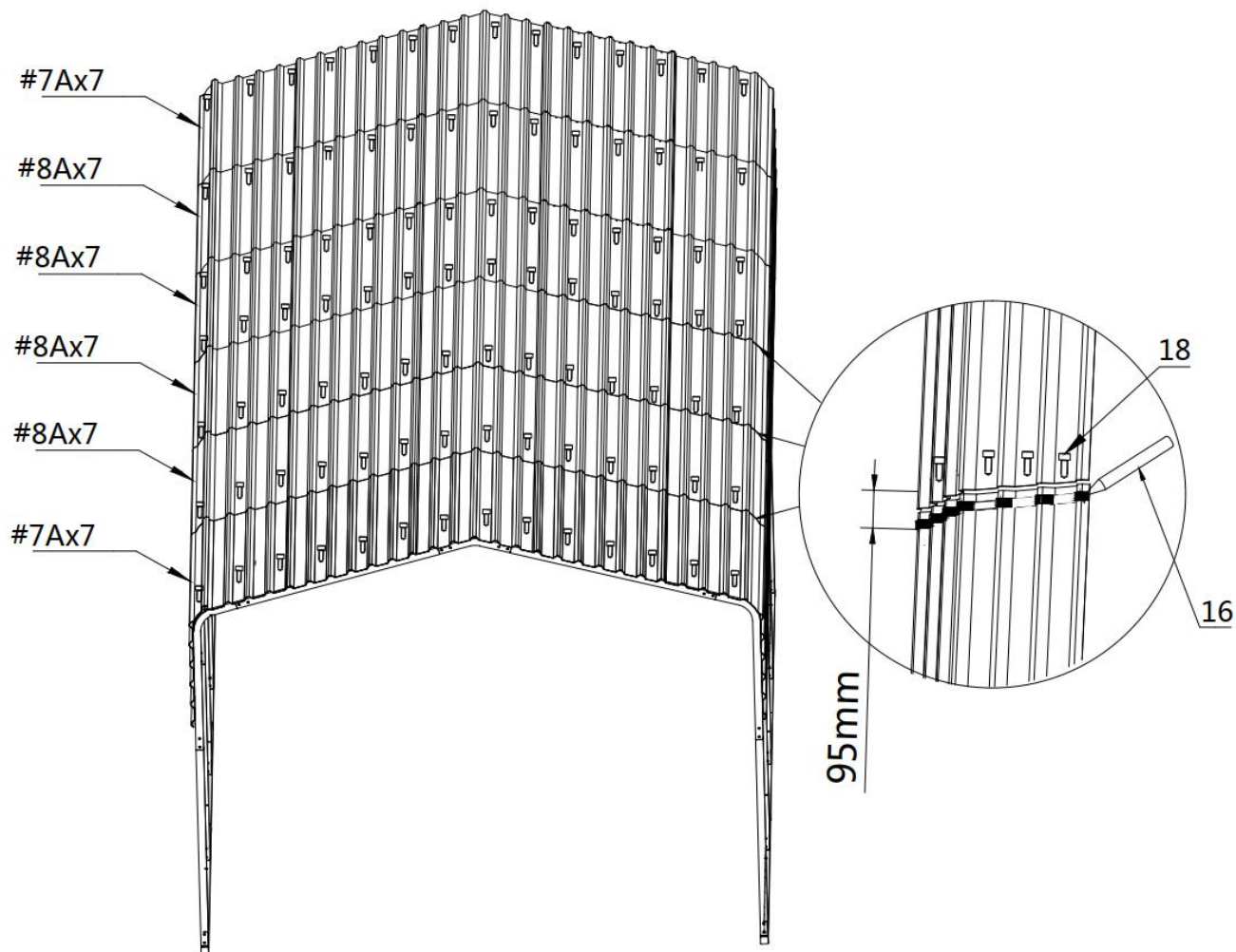
- Install the first color iron tile. Take the first colored iron tile at the top as the benchmark, ensure that both ends of each colored iron tile are aligned, and lock it on the truss with (#18) self tapping screw.



NO.	PART	QTY
7A		6

NO.	PART	QTY
18		24

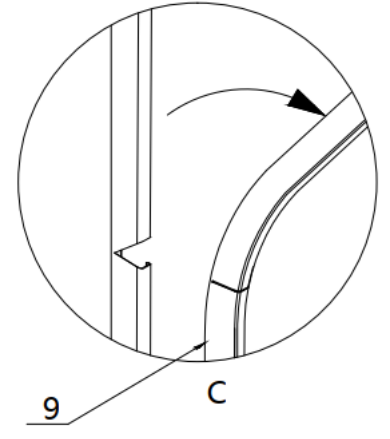
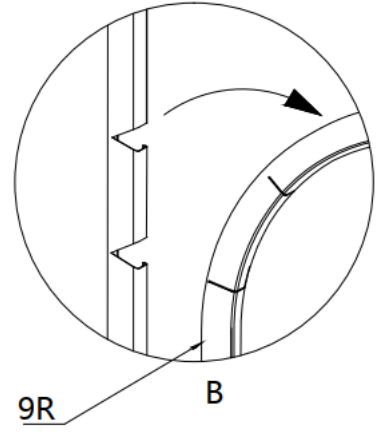
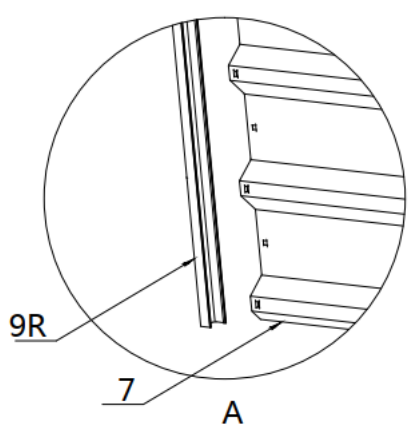
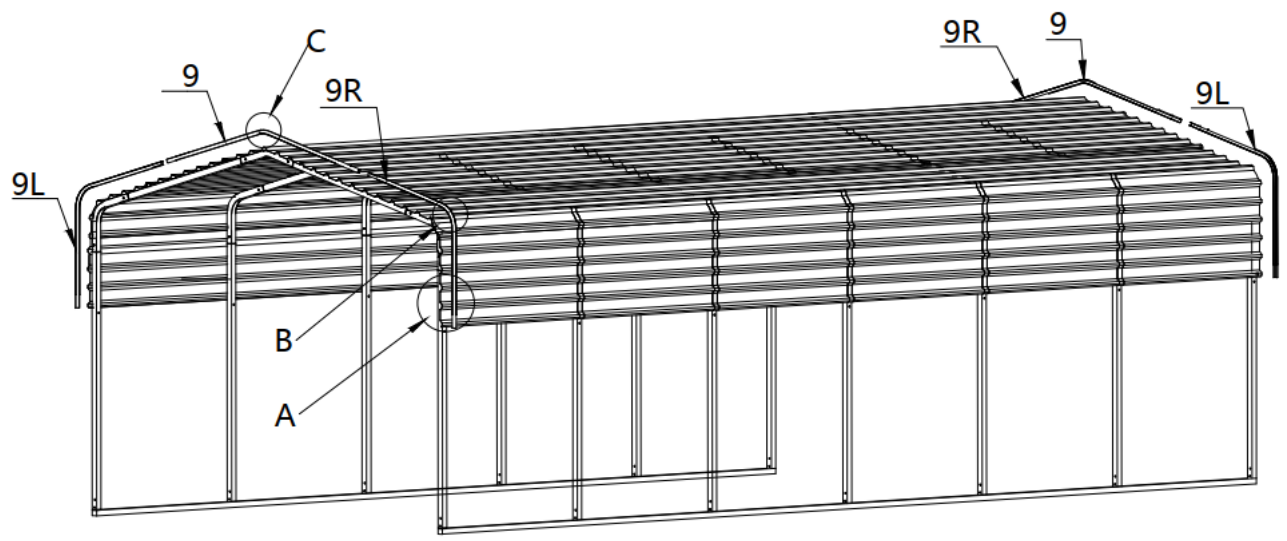
- Install all color iron tiles in turn, make sure that both ends of each color iron tile are aligned, and apply Waterproof silicon sealant (#16) on the butt joint of both ends.



NO.	PART	QTY
7A		6
8A		24

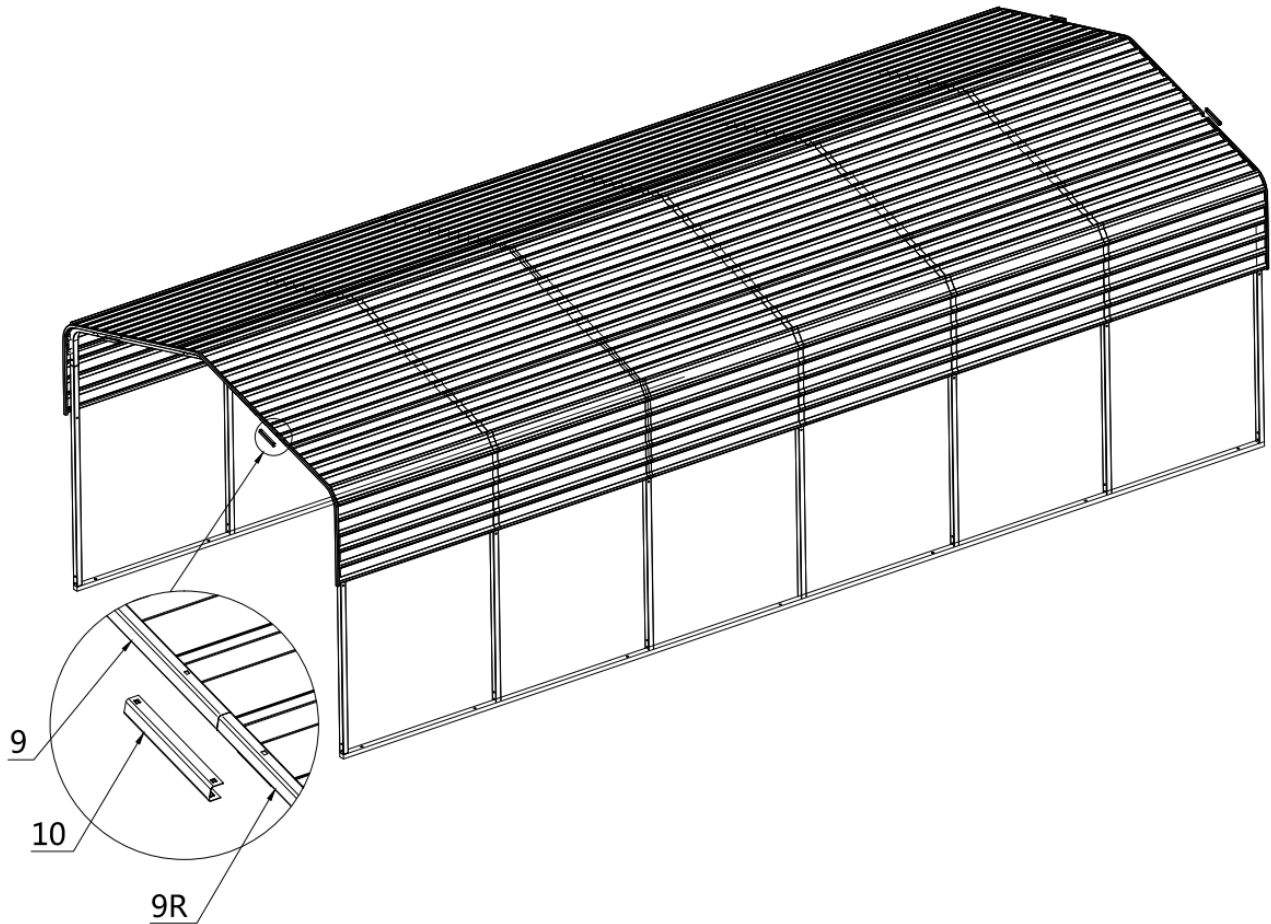
NO.	PART	QTY
16		1
18		144

STEP 5 : INSTALL THE FRONT AND REAR EDGING STRIPS.



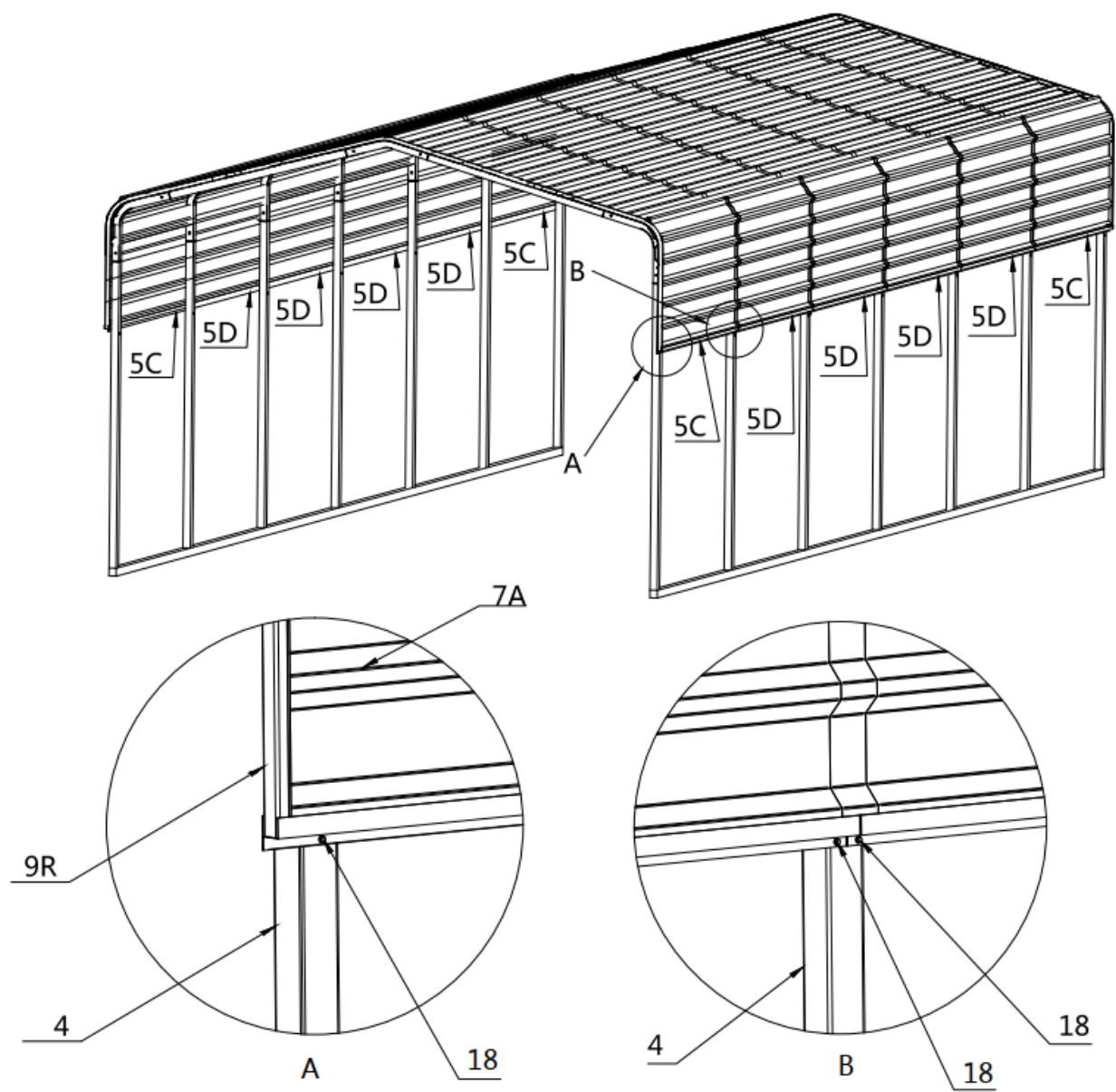
NO.	PART	QTY
9		2
9L		2
9R		2

- Install the Edge buckle (#10), and the two raised card points of the Edge buckle are aligned with the square holes at the interfaces of the two color iron tile edge bands, and then press the buckle in place. The front and rear installation methods are the same.



NO.	PART	QTY
10		4

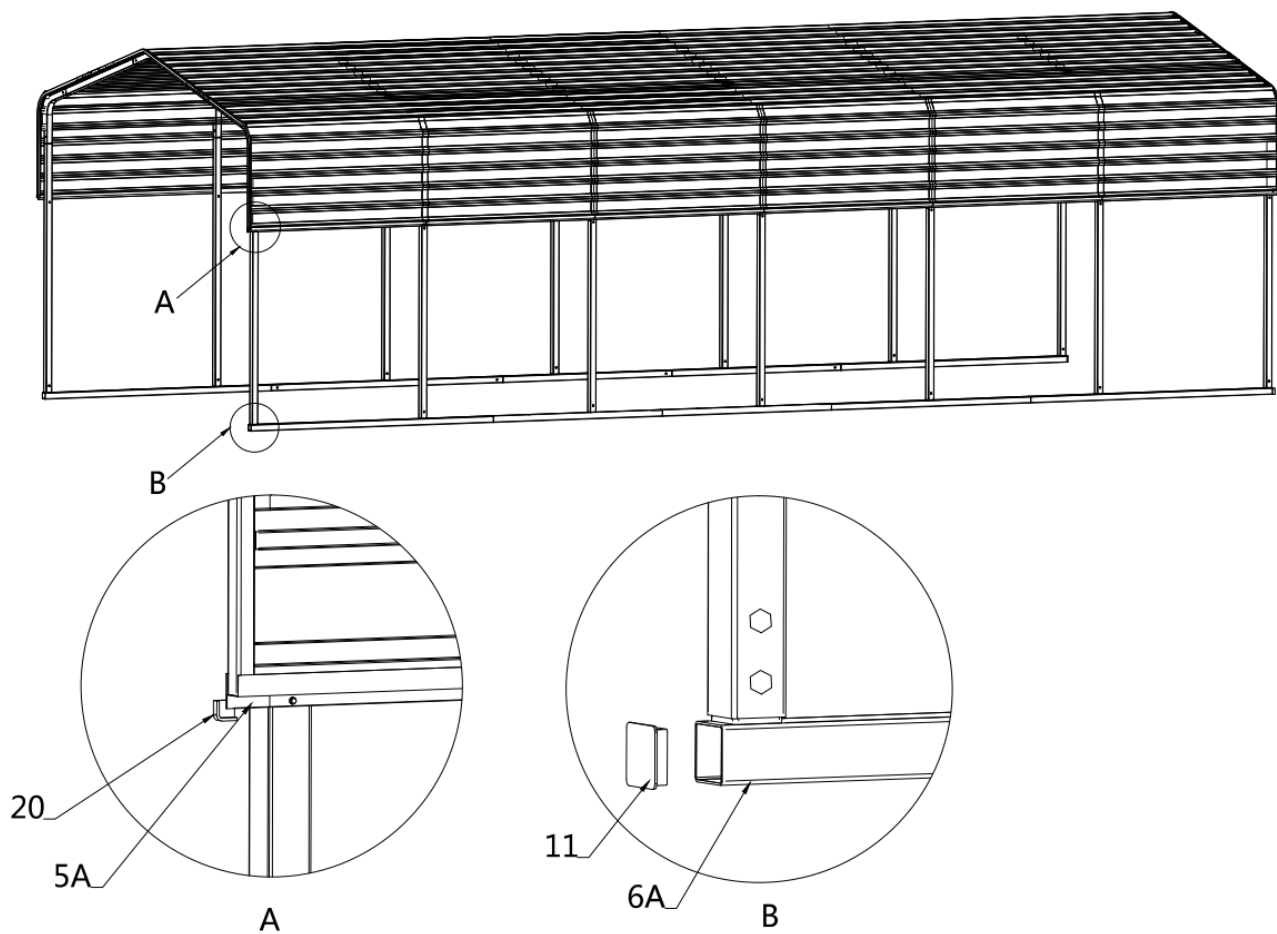
STEP 6 : INSTALL THE SIDE CONNECTING CROSSBAR.

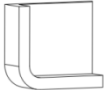


NO.	PART	QTY
5C		4
5D		8

NO.	PART	QTY
18		24

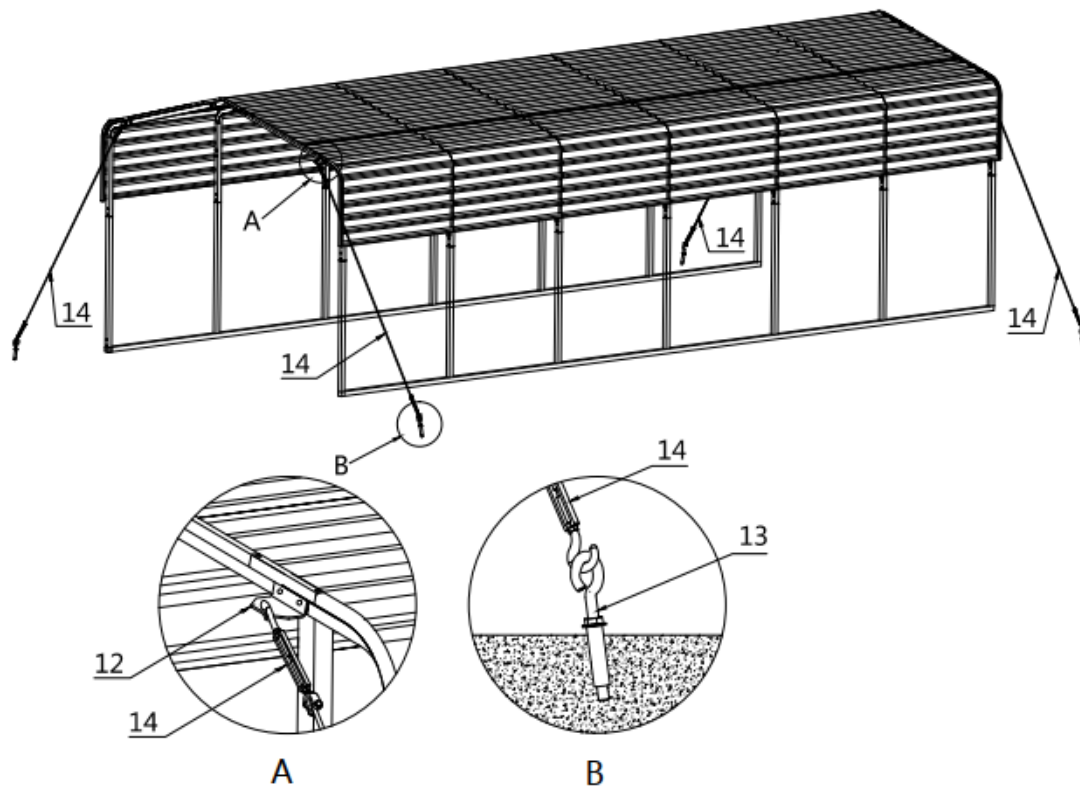
STEP 7 : INSTALL THE SQUARE PIPE WATERPROOF PLUG AND ANTI-COLLISION ANGLE.



NO.	PART	QTY
11		4
20		4

STEP 8 : INSTALL THE WIRE ROPE.

- Select a suitable position to fix the expansion bolt of the draw hook on the ground, hook one end of (#14) Steel cable to (#12) Steel cable mounting plate, and fix the other end to (#13) Anchor hook of the draw hook, adjust the nut on the steel wire rope to tighten the steel wire rope.



NO.	PART	QTY
13		4
		4
14		4

Now that your building is completely installed, we need to check all components and trusses to make sure the whole structure is rectangular. Check whether the connection of color steel tile fits. We provide (#19) rivets, which can be used to fix the color steel tiles where necessary, so that they can fit together to prevent water leakage.

All bolts installed in this step can now be tightened. Do not over tighten the bolts, otherwise the pipes or components will be damaged.

AFTER THE INSTALLATION

Walk around and inspect the shelter periodically to make sure all components are still firmly secured and the whole shelter is well supported. Check all bolts and nuts as well as all connection points to make sure they are all in good position. Check the base plates, adjust the ropes and tie downs if required and clean the cover regularly.

Snow accumulating on the fabric cover must be removed as soon as possible. If snow becomes solid ice on the cover, it will increase the weight on the roof and may collapse the shelter or reduce the life span.

We strongly recommend you remove any snow from the roof immediately. Do not leave any snow load on the roof overnight. Keep 3 feet of clearance on all sides at all times. Do not allow snow to accumulate and pile up on the sides of the building. Otherwise the pressure from the sides will push inwards and could lead to a collapse.

ALEKO Products

8307 S 192ND ST. KENT, WA 98032

hello@aleko.com

PHONE: 833-926-2323

ALEKO.COM

YOUTUBE.COM/ALEKOPRODUCTS