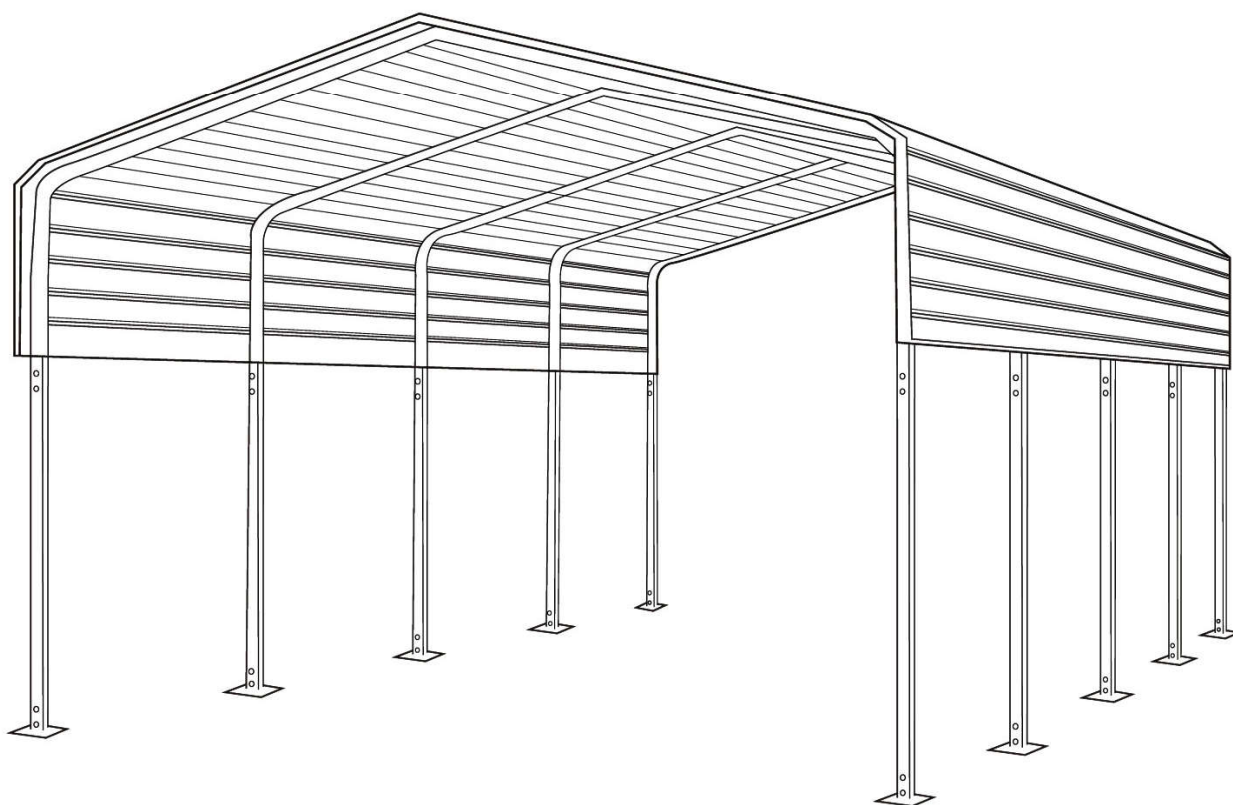


12' X 20' METAL GARAGE CARPORT SHED



This structure is intended for temporary outdoor storage use only. It is not designed to withstand heavy snow and wind loads and does not come with engineering drawings. To ensure suitability for your specific weather needs, it is your responsibility to verify their appropriateness for your intended use and local weather conditions, especially in areas prone to severe weather.

- 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
- Do not return the product to dealer. They are not equipped to handle your requests.

Missing parts or have questions on assembly?

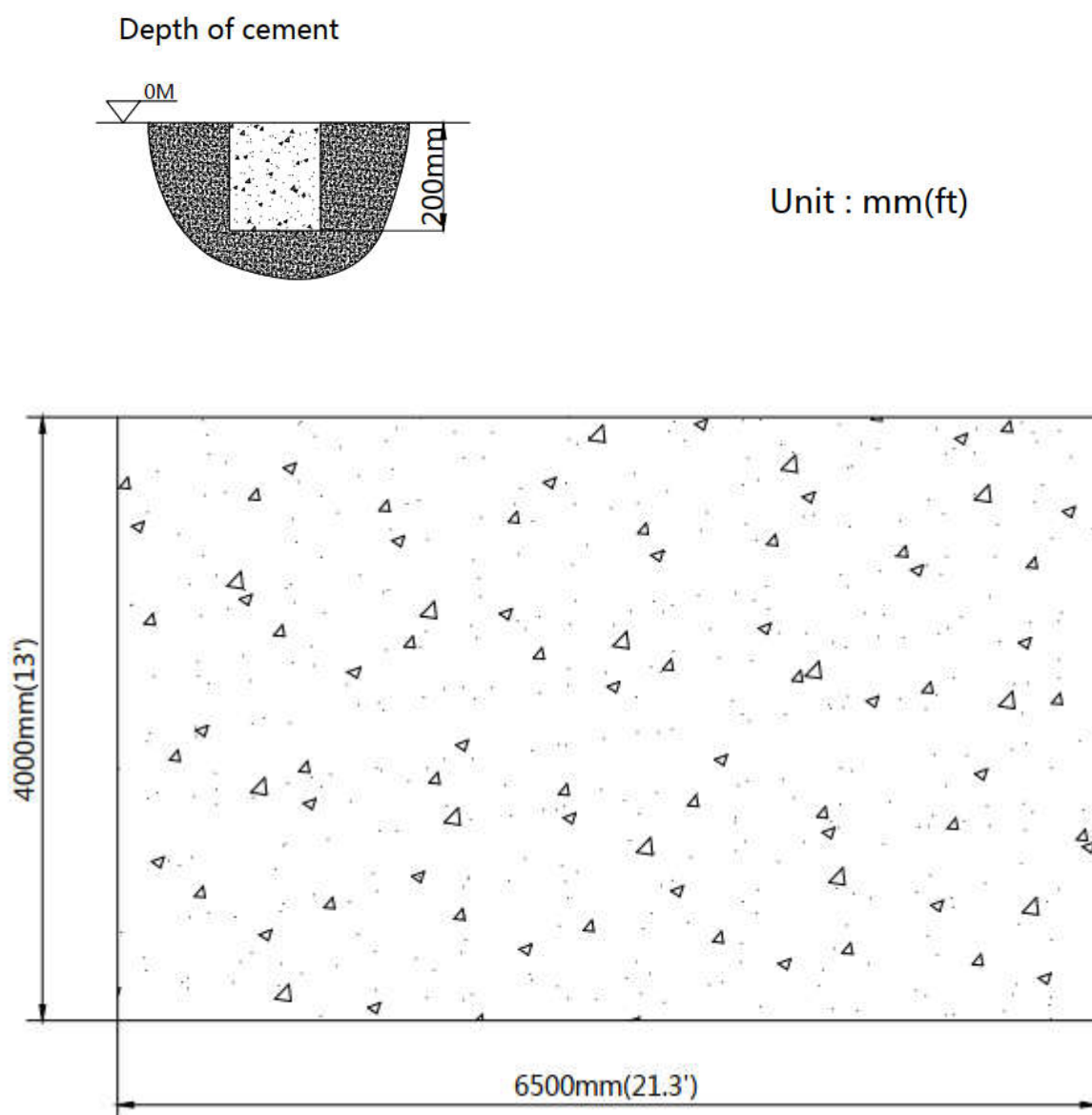
Please call: 1-877-761-2819 or email: cs@tmgindustrial.com

MAIN SPECIFICATIONS:

- Overall assembled size : W3.66 x L6 x H2.9 (m) / 12 x 19.7 x 9.5 (ft)
- Width : 3.66 m / 12ft
- Length : 6 m / 19.7 ft
- Ridge peak height : 2.9 m / 9.5 ft
- Shoulder wall clearance height : 2.4 m / 7.9 ft

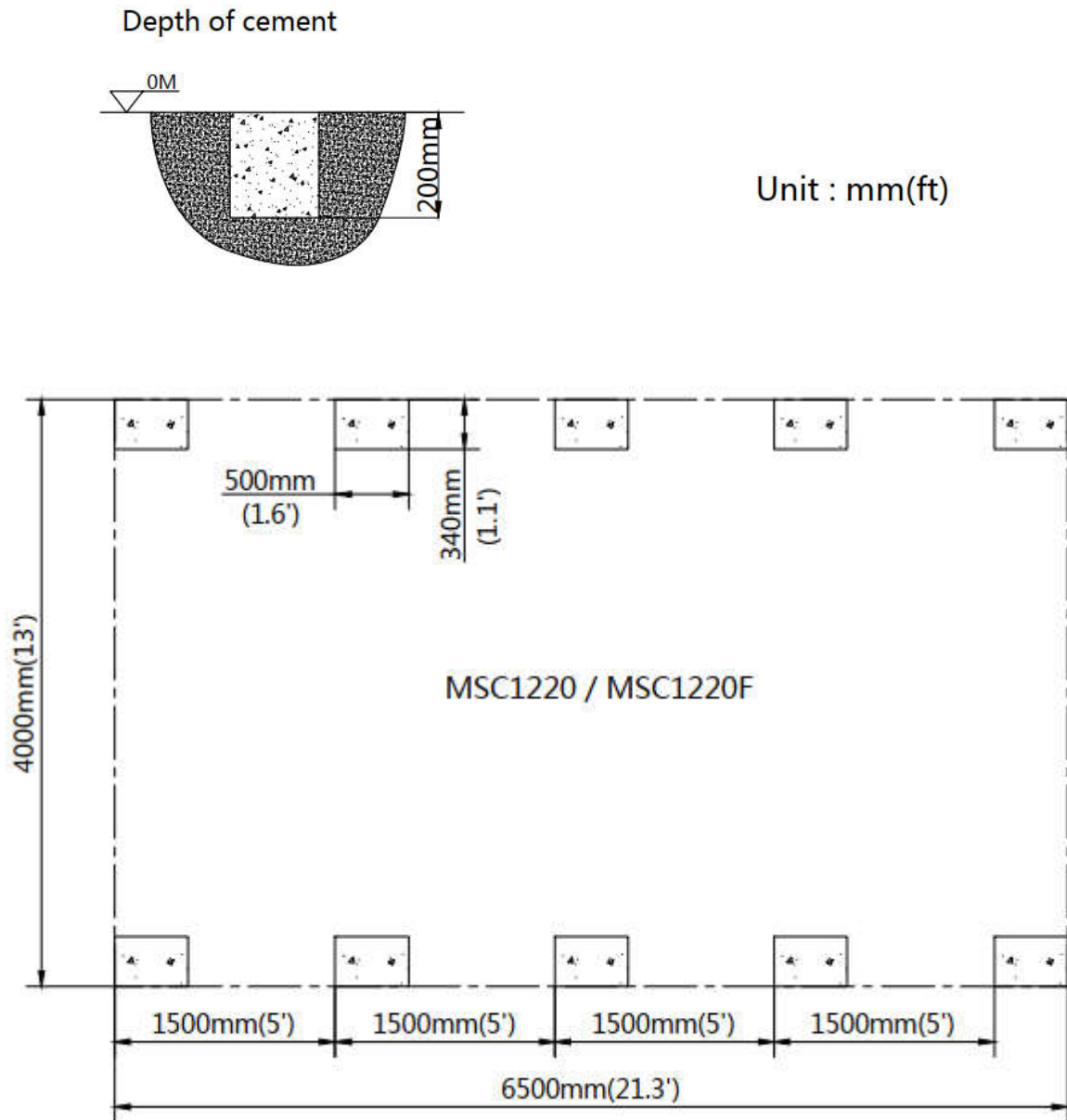
CONCRETE FOUNDATION SIZE SEE BELOW FIGURE.

- The layout of foundation (one).

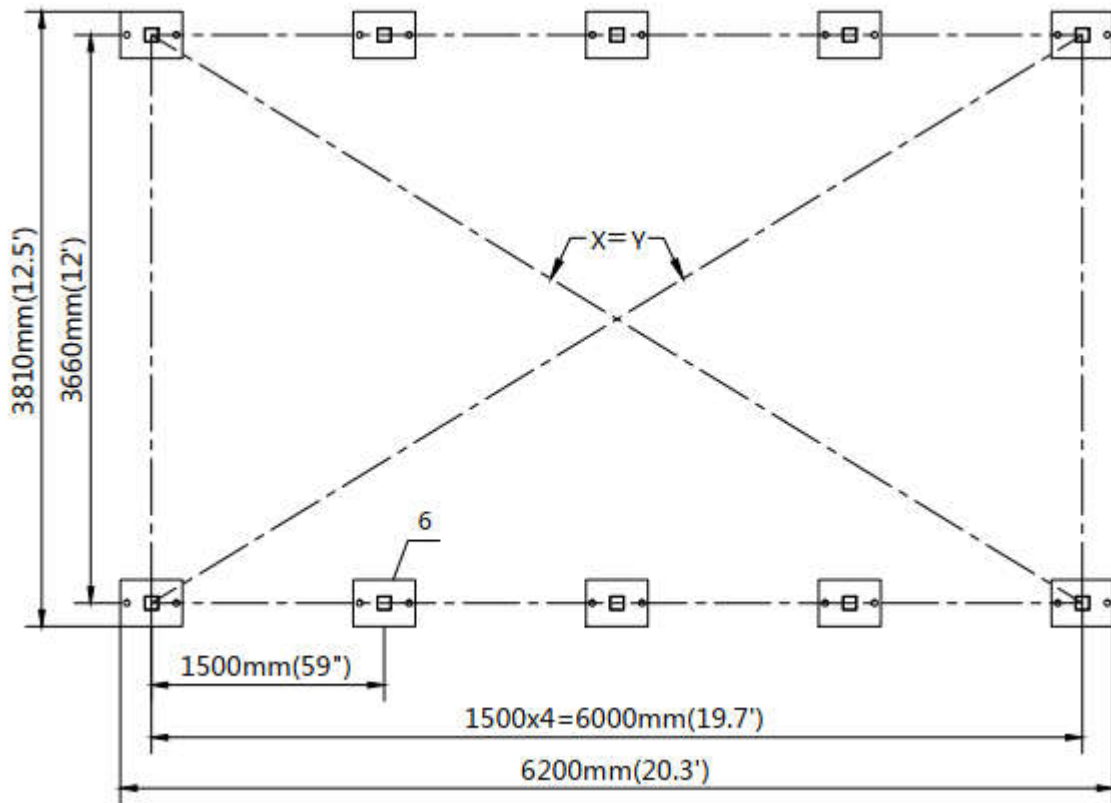


- The layout of foundation(two).

Note: the ground anchor is installed on the cement block.



- Baseplate layout.



PRIOR TO ASSEMBLY

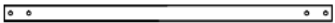
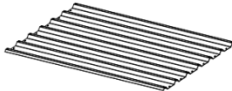
Please read the instructions carefully before installation. It is important to follow your local safety regulations and industry standards during installation. Regulations may include but are not limited to:

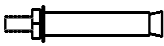
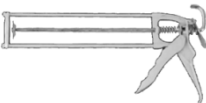
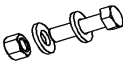
- Safety helmets, protective eyewear, and clothing
- Safety harnesses for all elevated workers
- Proper ladder, cage, and safety operation

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.

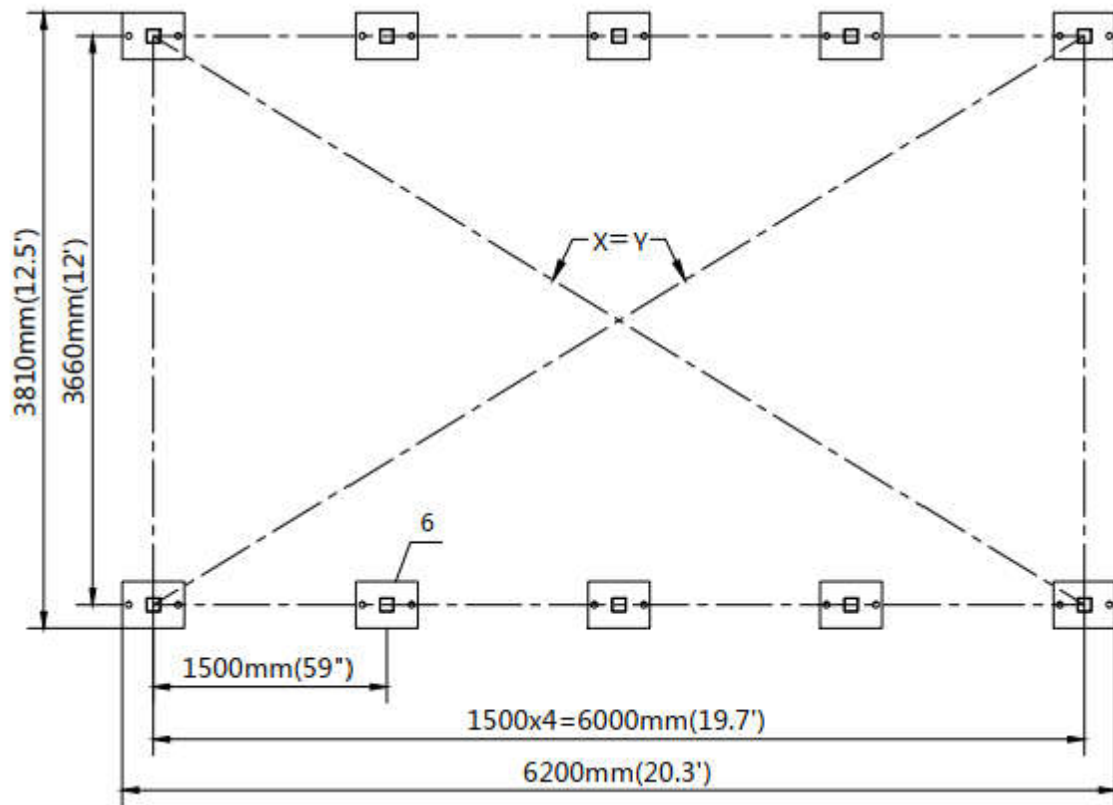
This building is not intended for human occupancy.

TMG-MSC1220 PART LIST				
PARTS CODE	GRAPHICAL	DESCRIPTION	LENGTH	QTY
1		Peak arch tube	L483mm	5
2		Middle rafter tube	L1280mm	10
3		Shoulder tube	L1034mm	10
4		Sidewall tube	L1524mm	10
4A		Short casing	L198mm	30
5A		Side edge crossbar (front and rear truss)	L1570mm	4
5B		Side edge crossbar (middle truss)	L1500mm	4
6		Base plate	W150xL200mm	10
7		Metal sheet (front and rear truss)	W870xL1620mm	14
8		Metal sheet (middle truss)	W870xL1600mm	14
9		Edge protector	L2000mm	6
10		Edge buckle	L200mm	4
11		Sleeve	8mm	2
12		Steel cable mounting plate	L100mm	4

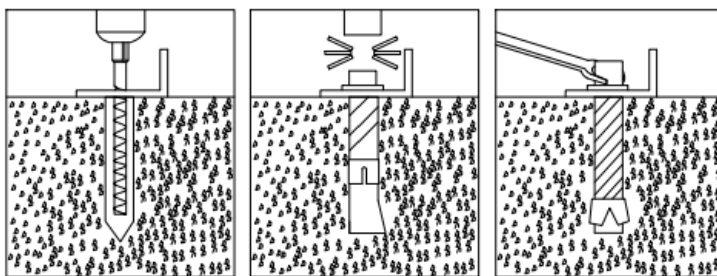
13		Anchor hook	φ16x120mm	4
14		Steel cable	φ6x3.3m	4
15		Expansion bolt	φ16 x 150mm	20
16		Waterproof silicon sealant		2
16A		Caulking gun		1
17		Hex bolt	M10x60mm	140
18		Self tapping screw	5.5x25mm	216
19		Blind rivet	φ3.2x5mm	50
20		Corner protector		4

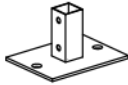
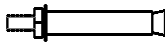
STEP 1 : BASEPLATE POSITIONING AND INSTALLATION.

- The diagonal X and Y must be equal.



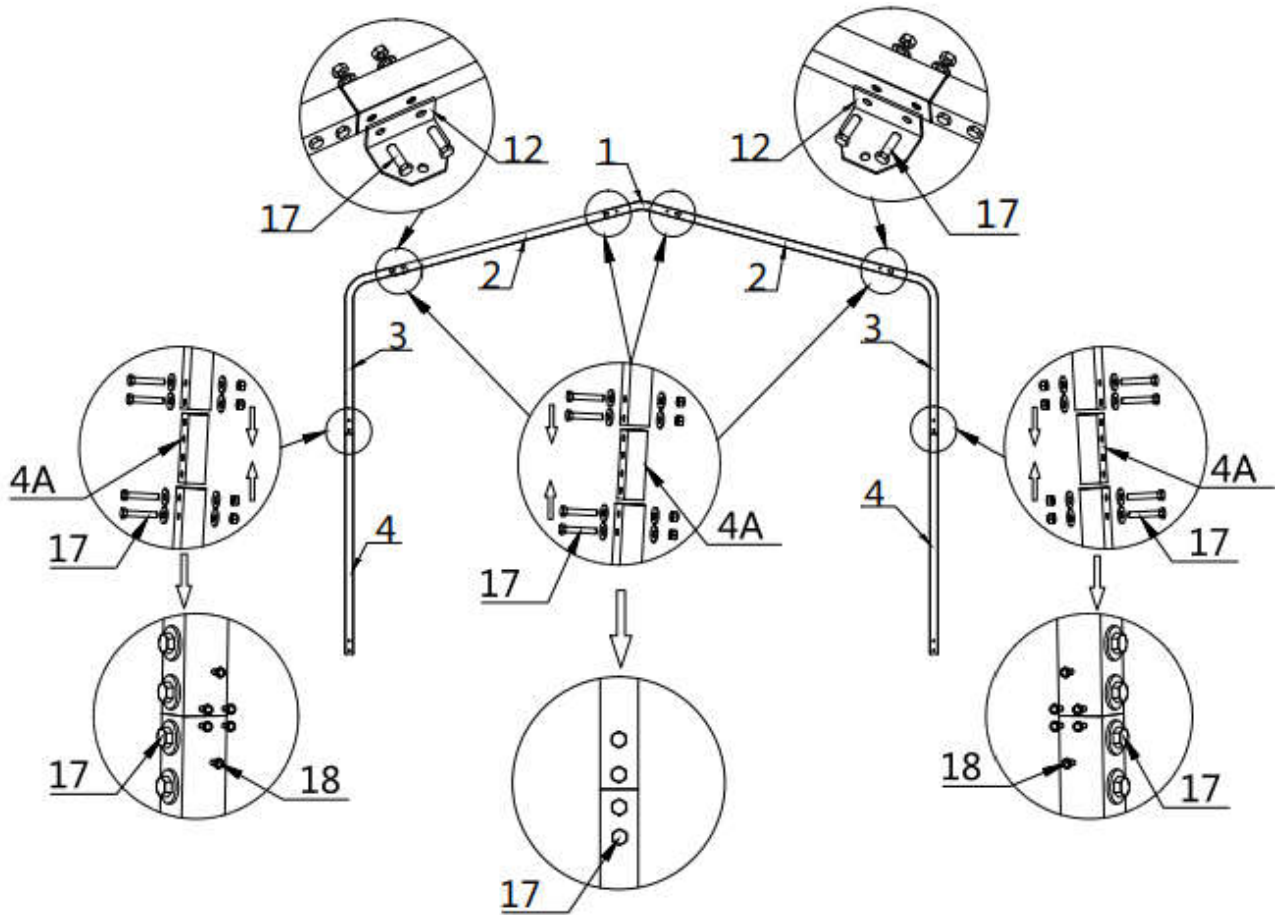
- Installation diagram of expansion bolt.



NO.	PART	QTY
6		10
15		20

STEP 2 : INSTALL ALL TRUSSES.

- Install front and rear trusses.

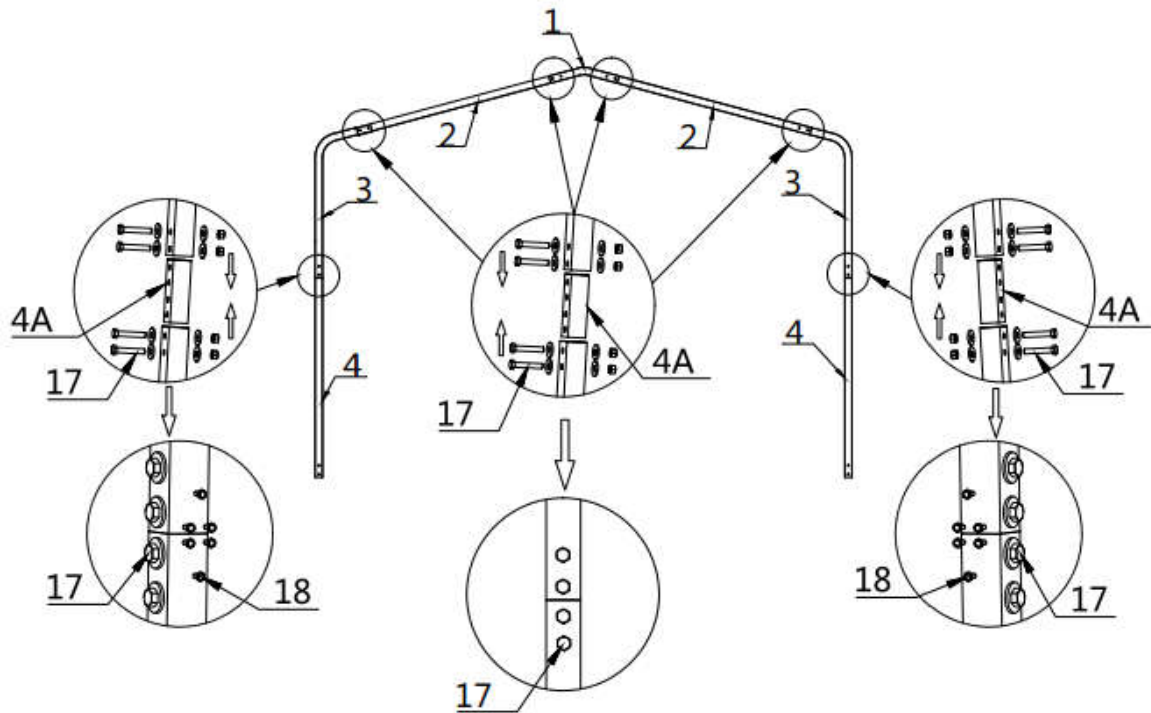


Note : use (#18) at the links of (#3) and (#4) to reinforce the inner side.

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

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

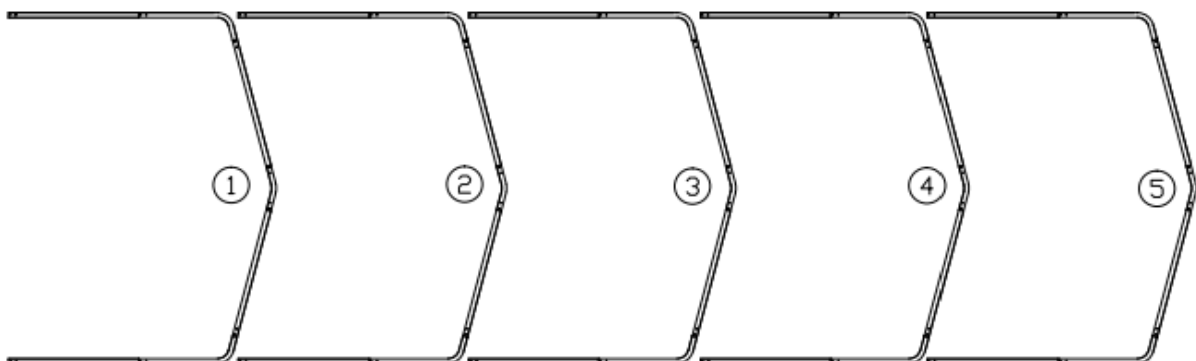
- **INSTALL OTHER TRUSSES. (3 TRUSSES)**



NO.	PART	QTY
1		1x3
2		2x3
3		2x3
4		2x3

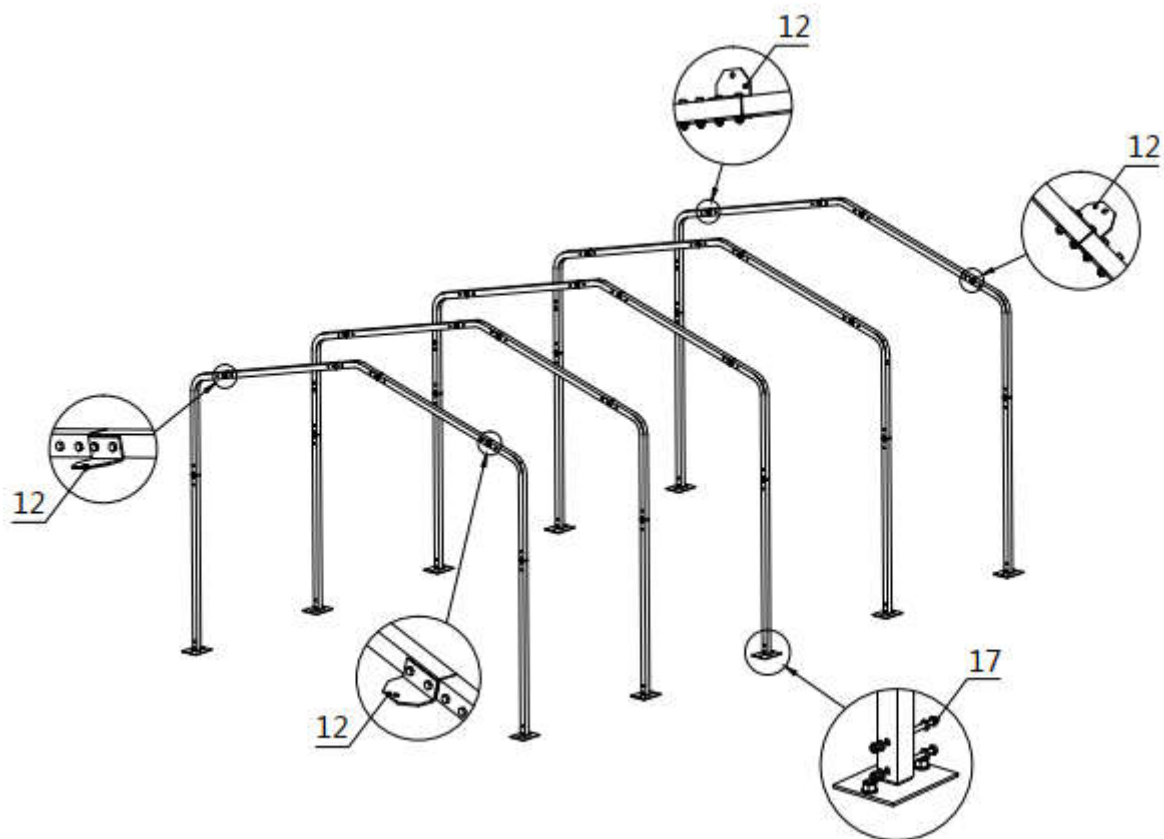
NO.	PART	QTY
4A		6x3
17		24x3
18		12x3

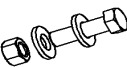
- Lay down all (5) trusses on the ground as figure when the assembly is all completed and before moving to next step.



STEP 3 : PUT UP THE ALL TRUSSES.

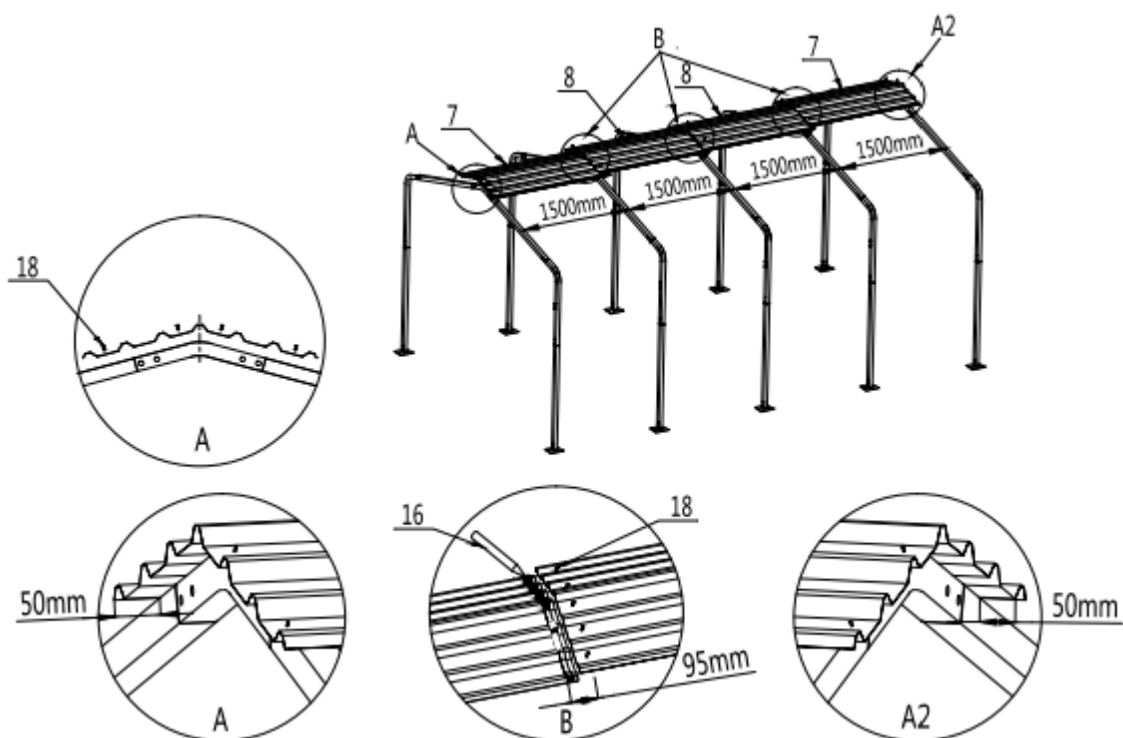
- The front and rear trusses are installed with one side of (#12) Steel cable mounting plate facing outwards.

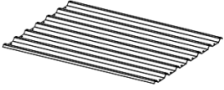


NO.	PART	QTY
17		20

STEP 4 : INSTALL THE COLOR IRON TILE.

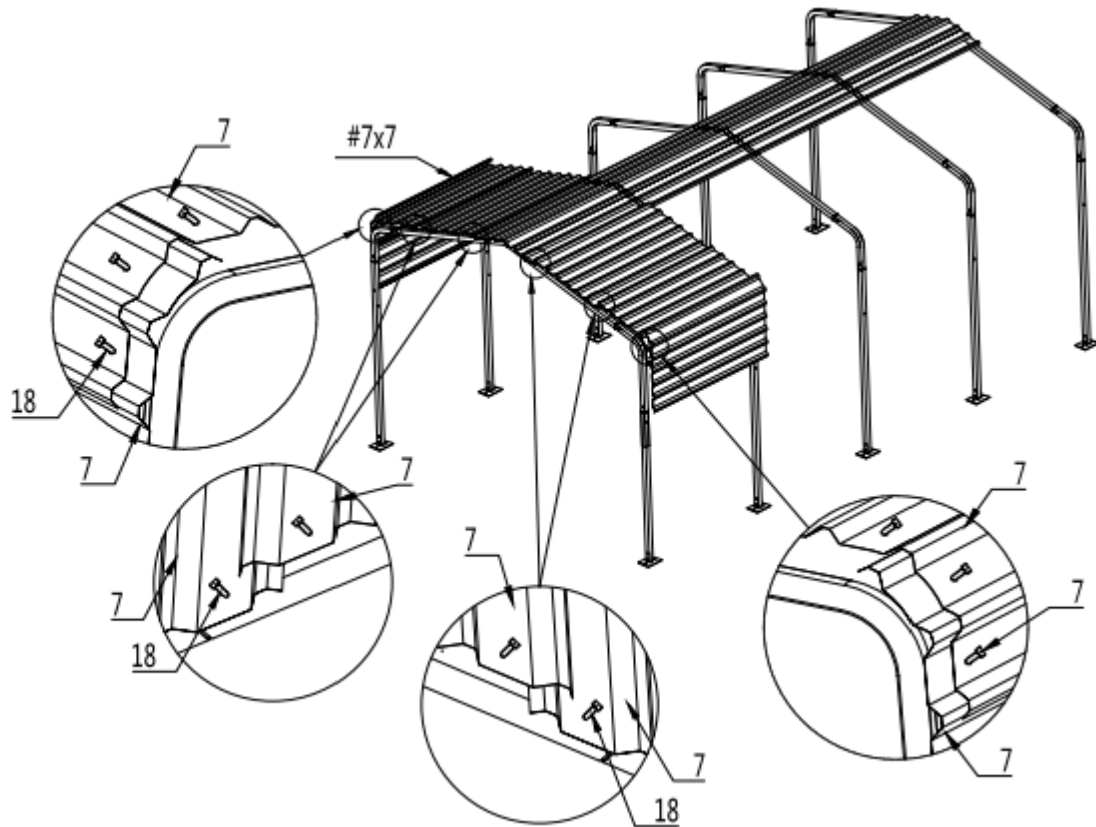
- Before installation, ensure that the distance between centers of each collapse is 1500mm. Install the first row of colored iron tiles from the top end. The center of the colored steel tiles must be aligned with the midpoint of the top arch tube (you can mark the center of the top arch tube with a line). 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.

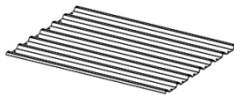


NO.	PART	QTY
7		2
8		2

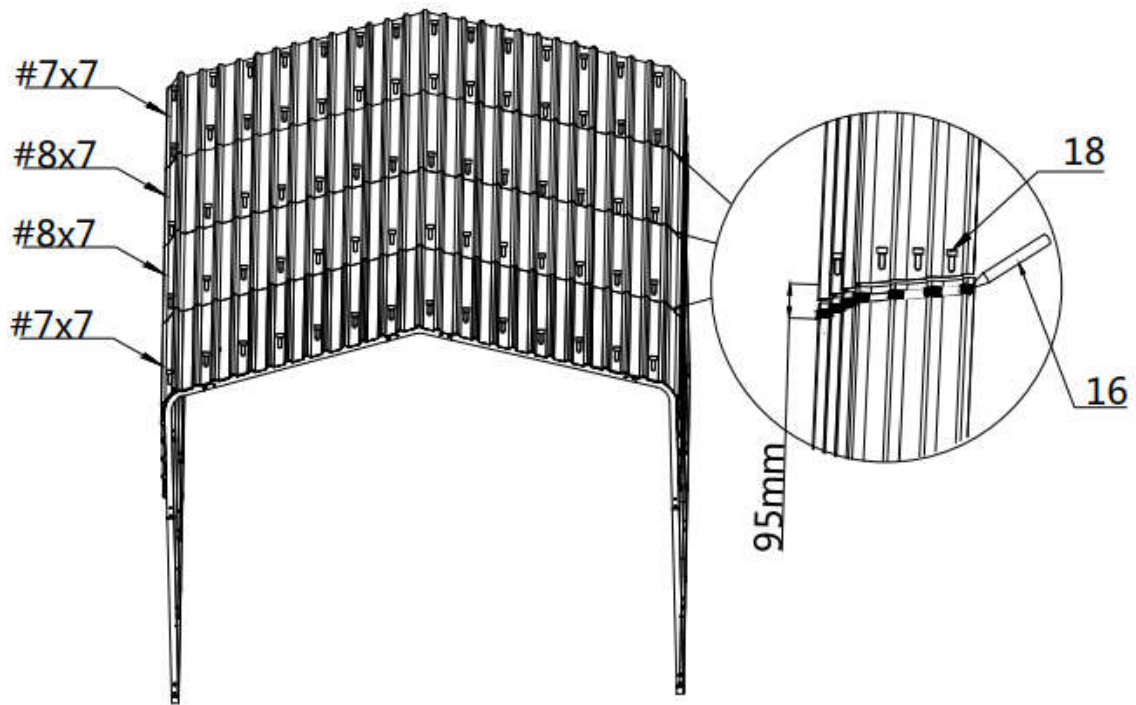
NO.	PART	QTY
16		1
18		20

- 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.



NO.	PART	QTY
7		6
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 .

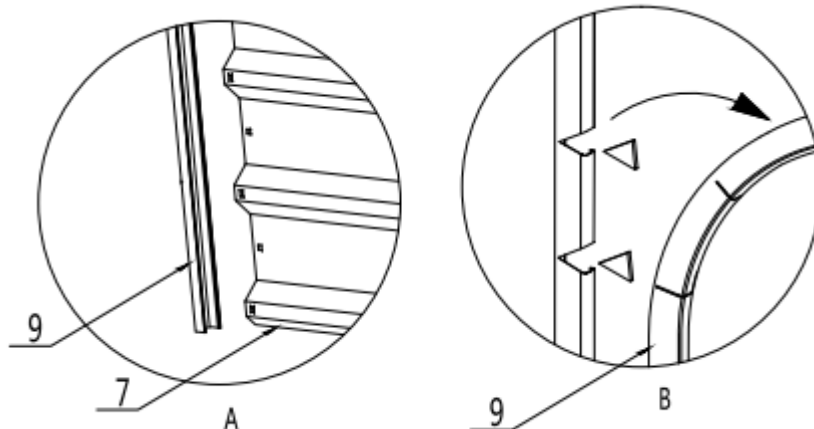
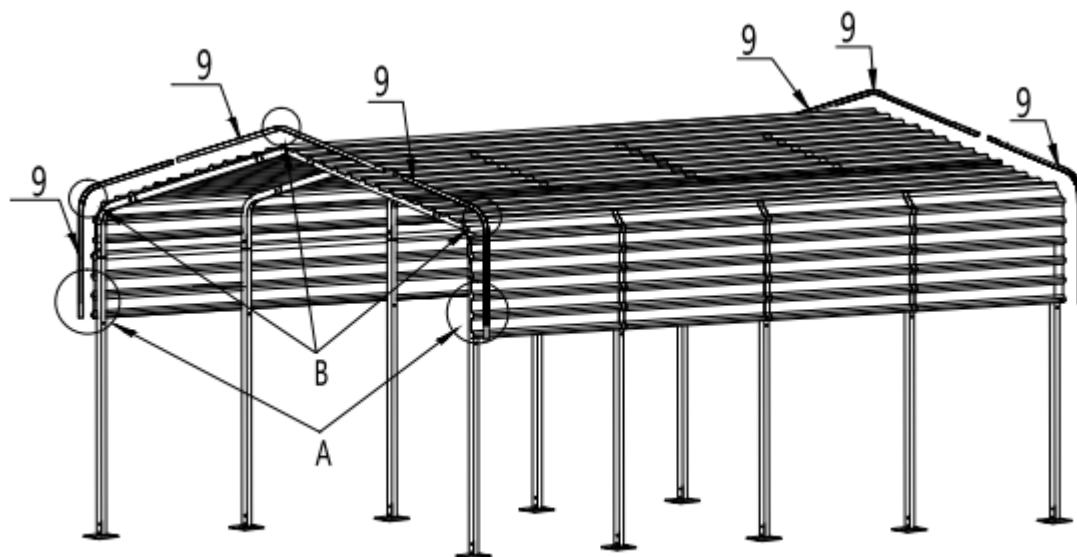


NO.	PART	QTY
7		6
8		12

NO.	PART	QTY
16		1
18		96

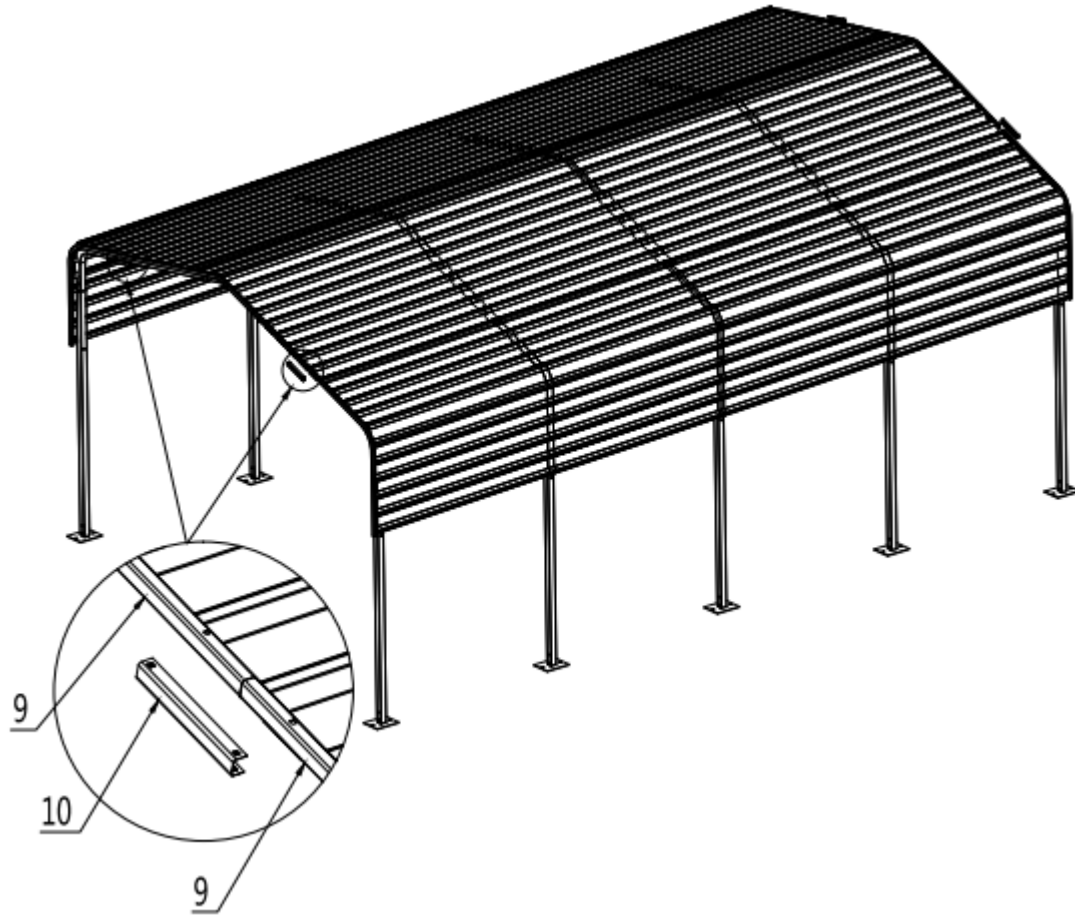
STEP 5 : INSTALL THE FRONT AND REAR EDGING STRIPS.

- Start to install the color iron tile edge protector (#9) from one side, and align one end with the color iron tile edge. The opening of the edge banding strip of the color iron tile shall be aligned with the end face of the color iron tile, and the bottom buckle can be pressed into place. It is necessary to use tools to cut out the gap at the corner so that the edge banding strip of color iron tile can be bent and installed .



NO.	PART	QTY
9		6

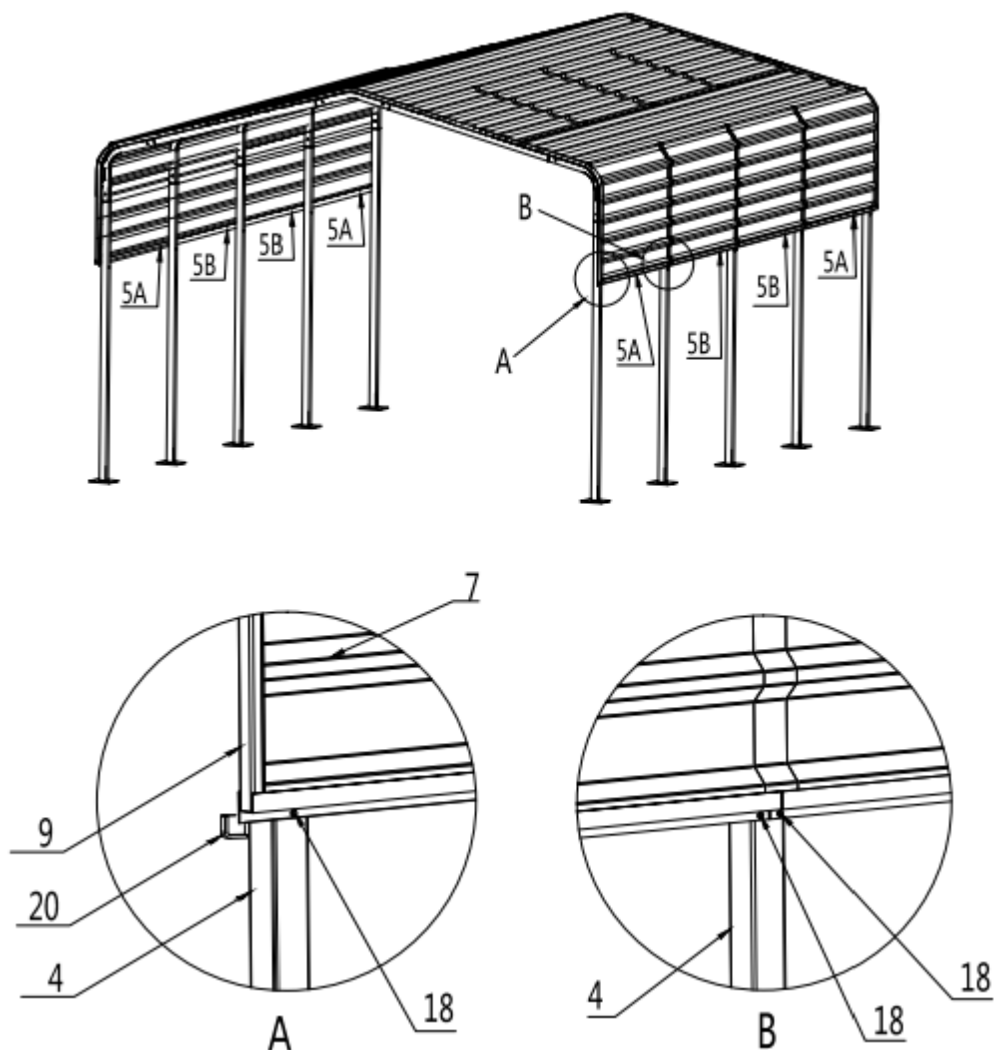
- Install the edge buckle (#10), and the two raised card points of the Edge buckle are aligned with the square holes at the interfaces of the two color iron tile edge bands, and then press the buckle in place. The front and rear installation methods are the same.



NO.	PART	QTY
10		4

STEP 6 : CONNECT THE CROSSBAR.

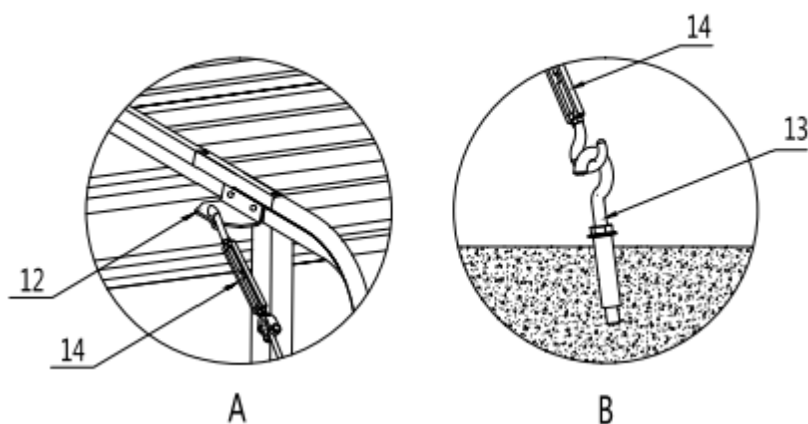
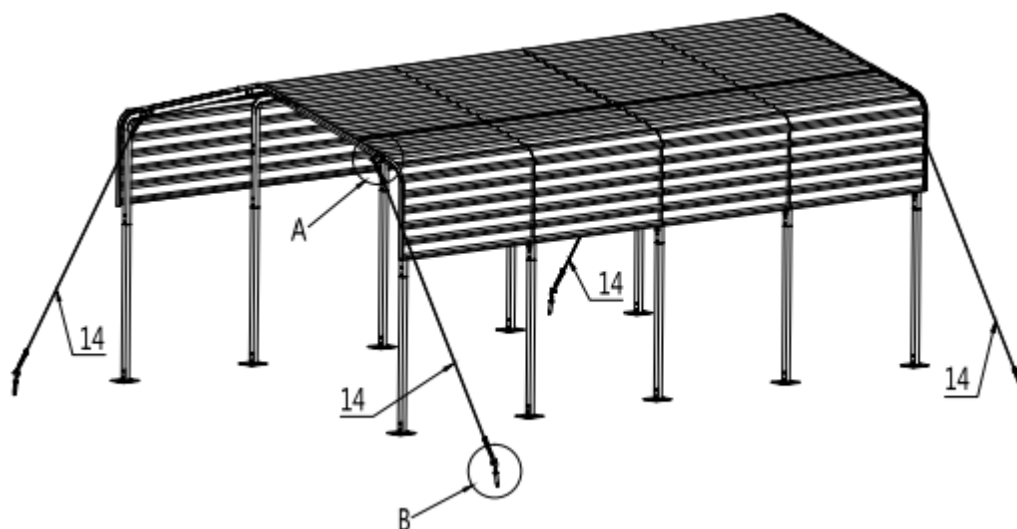
- Install the side connecting crossbar, align (#5A) side edge crossbar with the binding strip, wrap the colored steel tile binding strip and the colored steel tile inside the opening of the connect the crossbar, and fix them on the (# 4) Sidewall tube with (#18) self tapping screw. The installation method is the same on both sides.



NO.	PART	QTY
5A		4
5B		4

NO.	PART	QTY
18		16
20		4

STEP 7 : INSTALL THE WIRE ROPE.



NO.	PART	QTY
13		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 roof must be removed as soon as possible. If snow becomes solid ice on the roof, it will increase the weight on the roof and may collapse the garage 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.

WARRANTY INFORMATION:

Please refer to our website for detailed warranty conditions and coverage.
For the most up-to-date and comprehensive warranty information, visit www.tmgindustrial.com