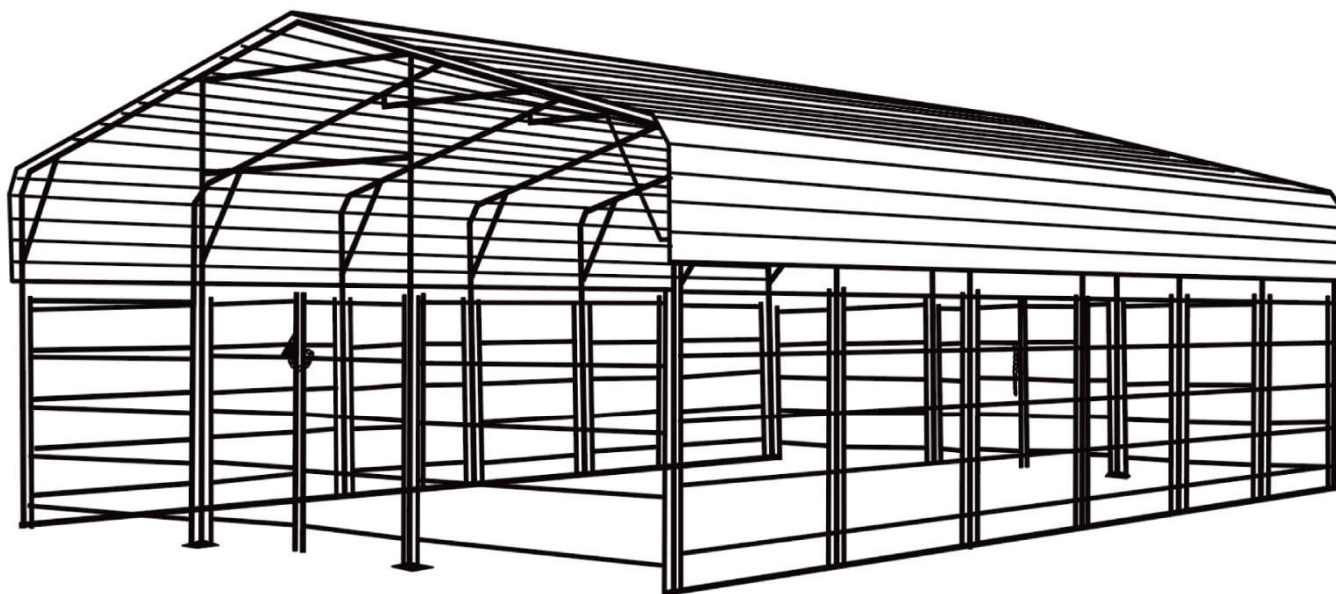


20' X 30' CORRAL PANEL METAL SHED



⚠ WARNING



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?

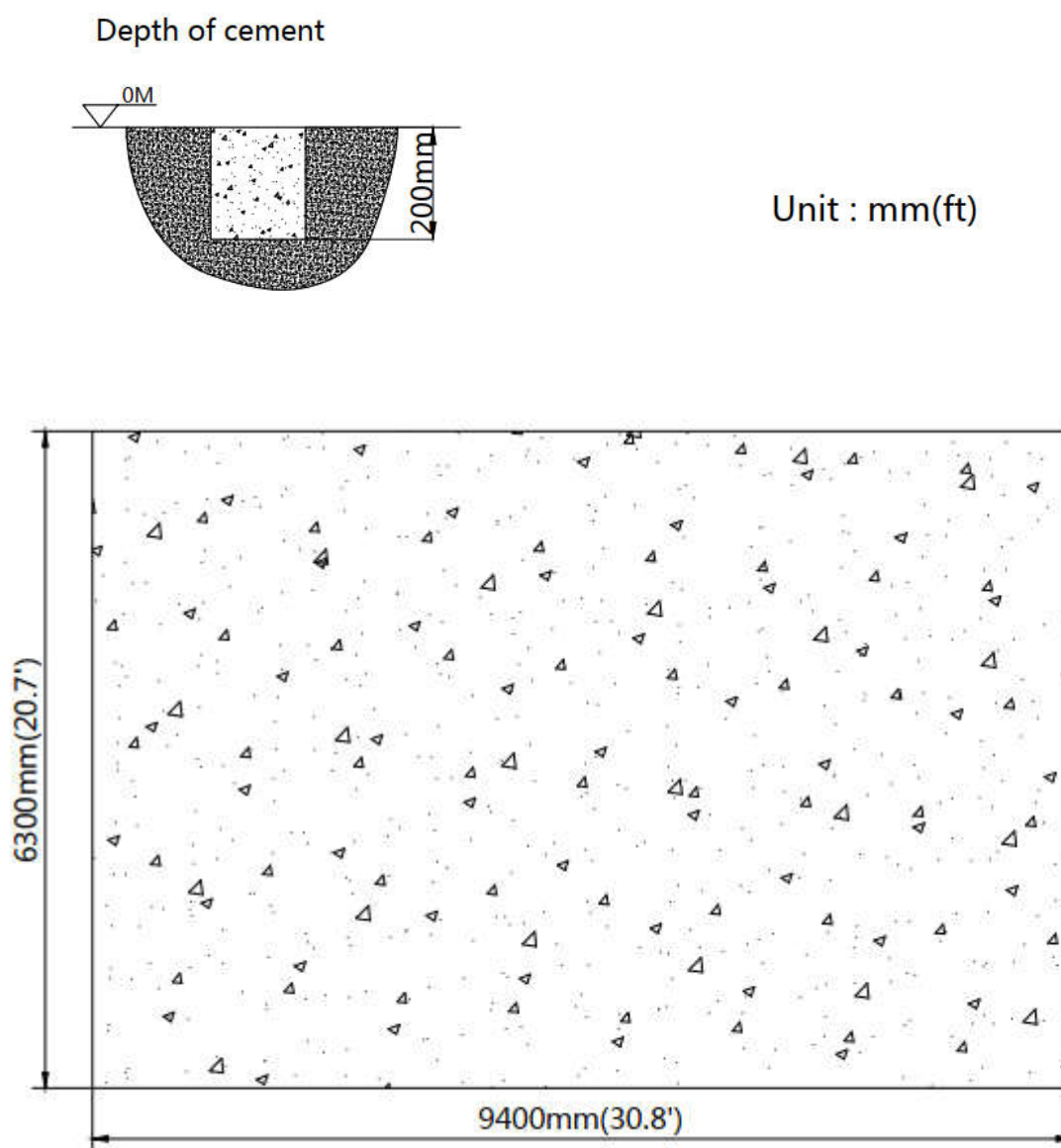
Please call: 1-877-761-2819 or email: cs@tmgindustrial.com

MAIN SPECIFICATIONS :

- Overall assembled size : W6 x L9 x H3.04 (m) / 19.7 x 29.5 x 10 (ft)
- Shoulder wall clearance height : 2.2 m / 7.2 ft
- Door : W1.85 x H2.2 (m) / 6.1 x 7.2 (ft)

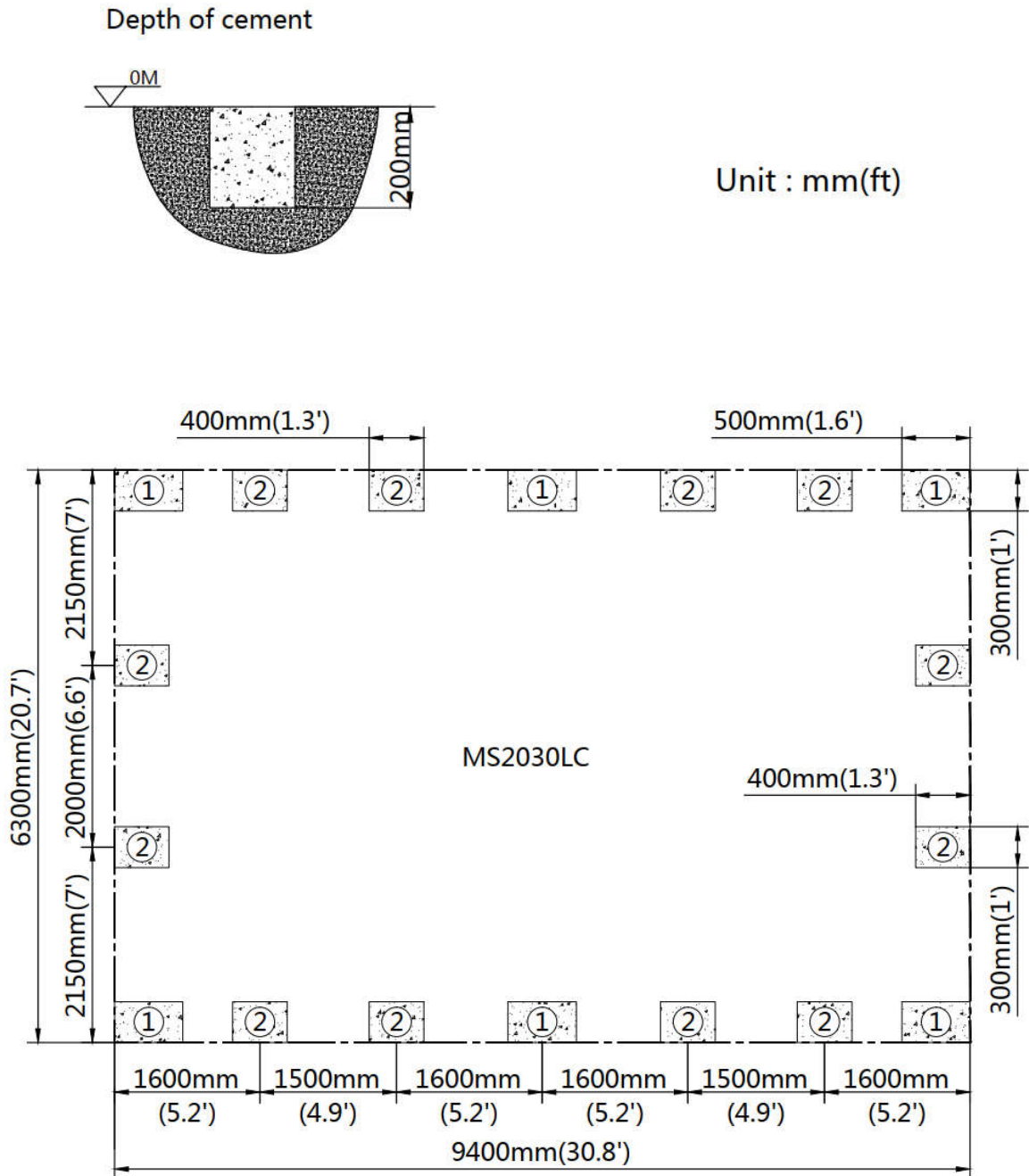
CONCRETE FOUNDATION SIZE SEE BELOW FIGURE.

- The layout of foundation(one).

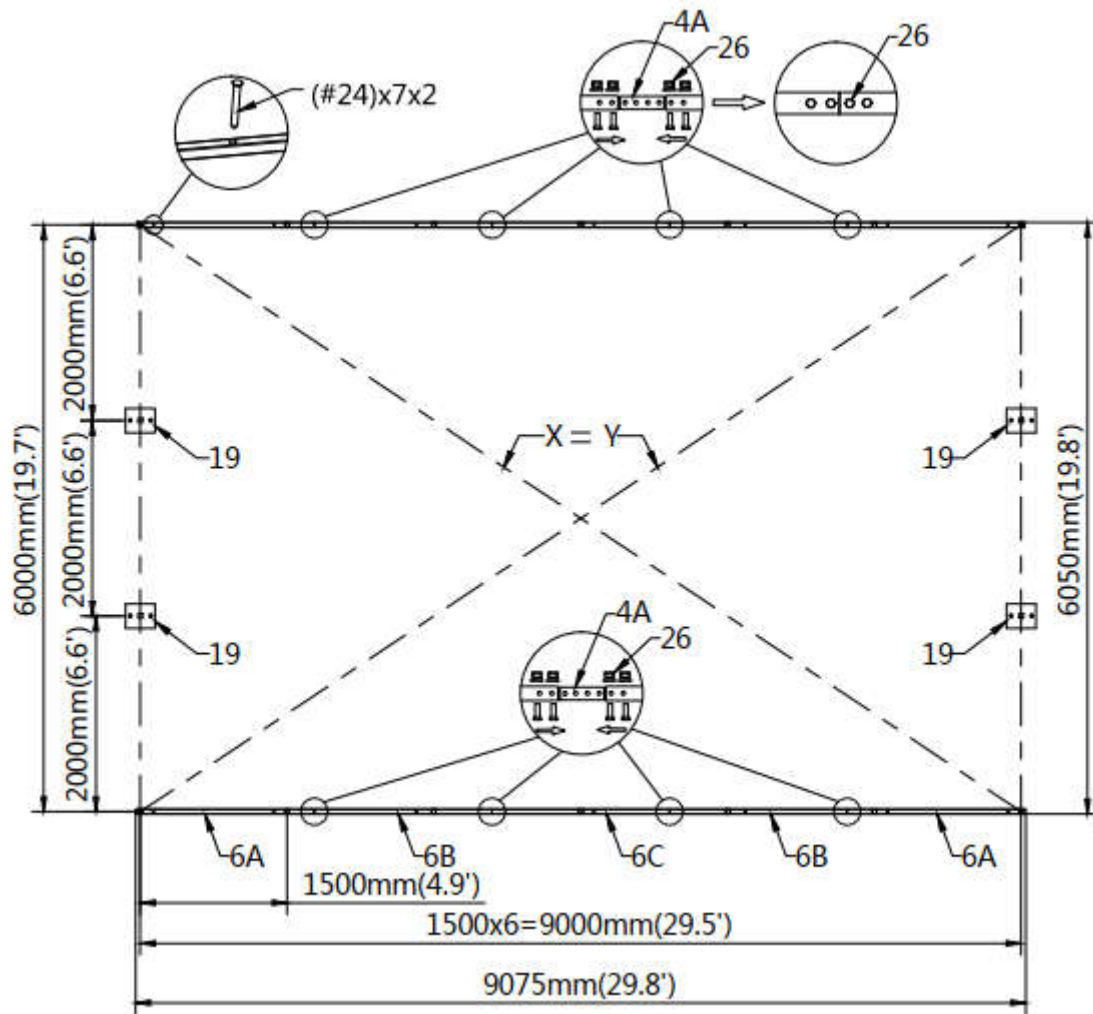


- The layout of foundation(two).

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



- Baseplate layout.



PRIOR TO ASSEMBLY

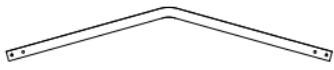
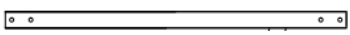
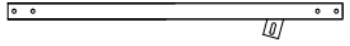
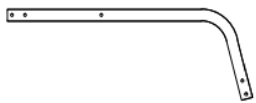
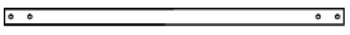
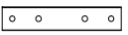
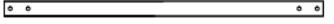
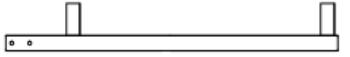
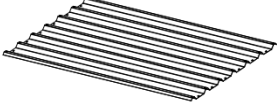
Please read the instructions carefully before installation. It is very important to follow your local safety regulations and industry standards during installation. Regulations may include but are not limited to:

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

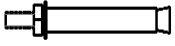
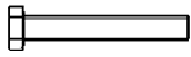
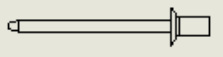
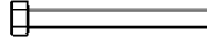
Check all components and parts before installation. All parts are marked with a part number, please refer to the parts list to make sure you have all parts.

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-MS2030LC PART LIST				
PARTS CODE	GRAPHICAL	DESCRIPTION	LENGTH	QTY
1		Peak arch tube	L1669mm	7
2		Middle rafter tube	L1880mm	10
2A		Middle rafter tube	L1880mm	4
3		Shoulder tube	L1188mm	12
3A		Shoulder tube (middle)	L1188mm	2
4		Sidewall tube	L1170mm	14
4A		Short casing	L198mm	59
5A		Side edge crossbar (front and rear trusses)	L1570mm	4
5B		Side edge crossbar (middle truss)	L1500mm	8
5C		Top cross bar A	L1500mm	5
5D		Top cross bar B	L1540mm	1
6		Upper reinforcement tube	L1763mm	7
6A		Foot tube (front and rear)	L1815mm	4
6B		Foot tube (front and rear)	L1815mm	4
6C		Foot tube (middle)	L1815mm	2
6D		Side reinforcement tube	L740mm	14
6E		Reinforced tube mounting plate	L100mm	84
7		Metal sheet (front and rear trusses)	L1620mm	18
8		Metal sheet (middle truss)	L1600mm	36

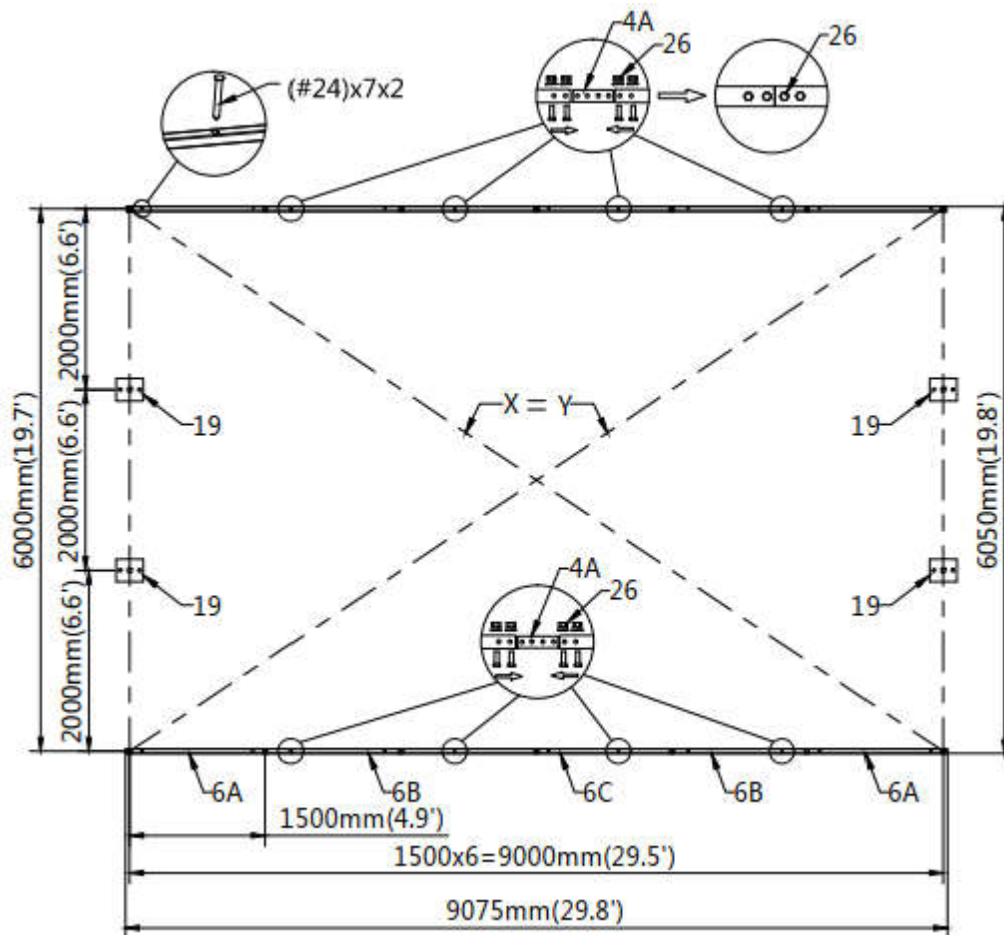
9		Edge protector	L1600mm	10
10		Edge buckle	L200mm	8
11		Water plug	50x50mm	6
11A		Tube end water plug	φ42	40
12		Steel cable mounting plate	L100mm	4
13A		Side upper part fence	L1392mm	12
13B		Side lower part fence	L1392mm	12
14A		Front and rear upper part fence	L1892mm	4
14B		Front and rear lower part fence	L1892mm	4
15L		Left door	L1500mm	2
15R		Right door	L1500mm	2
16		Front door lower column tube	L1980mm	4
17		Front door upper column tube	L718mm	4
18		Front door cross pull tube	L1948mm	2
19		Baseplate	L111mm	4
20		Double fastener	L214mm	84
21		Single fastener	L141mm	48
22		Anchor hook	φ16x120mm	6
23		Steel cable	L3.9m	6

24		Expansion bolt	φ16x150mm	22
25		Waterproof silicon sealant		4
25A		Caulking gun		1
26		Hex bolt	M10x70mm	345
27		Self tapping screw	#12x25mm	370
28		Rivet	φ3x6mm	70
29		Corner protector		4
30		Hex bolt	M10x120mm	7
31		Sleeve	M8mm	2
32		Eyebolt	M10x90mm	2
33		Hex bolt	M10x30mm	112
34		flat washer	φ22mm	12

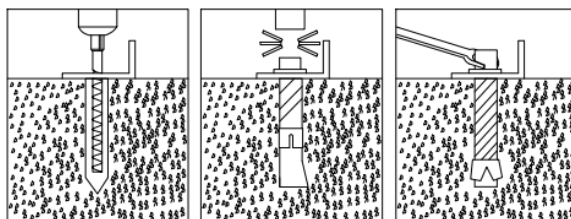
INSTALLATION STEPS

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

- All lines should be drawn from center to center of all baseplate tubes. Diagonal line X must be equal to Y.



- Installation diagram of expansion bolt.

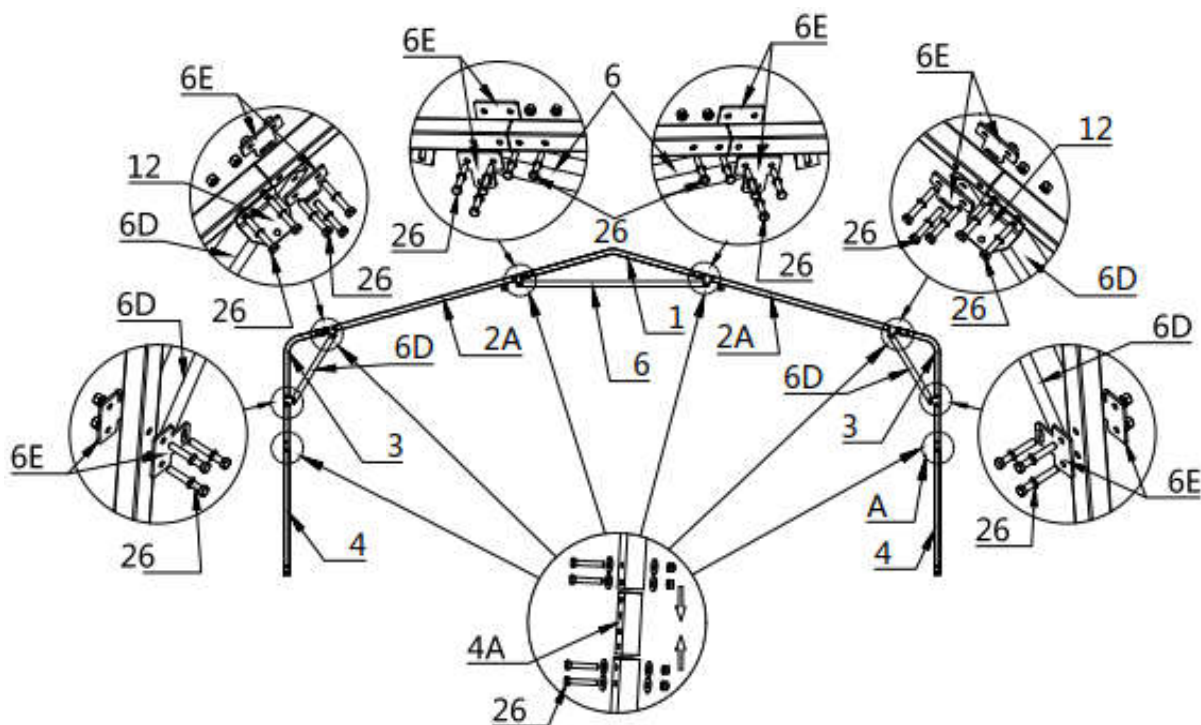


NO.	PART	QTY
4A		8
6A		4
6B		4
6C		2

NO.	PART	QTY
19		4
24		22
26		32

STEP 2 : ASSEMBLE ALL TRUSSES.

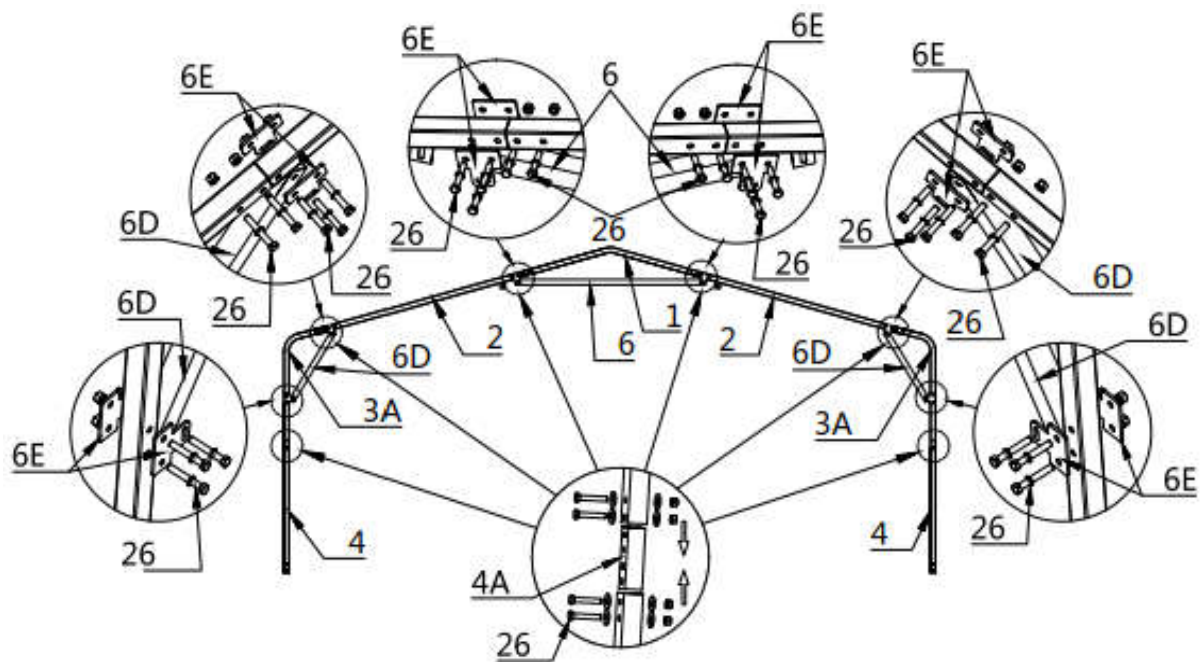
- The building includes 7 trusses : (1) front truss, (1) rear truss, (1) middle trusses and (4) other trusses.
- Install front and rear trusses.



NO.	PART	QTY
1		1x2
2A		2x2
3		2x2
4		2x2
4A		6x2

NO.	PART	QTY
6		1x2
6D		2x2
6E		12x2
12		2x2
26		34x2

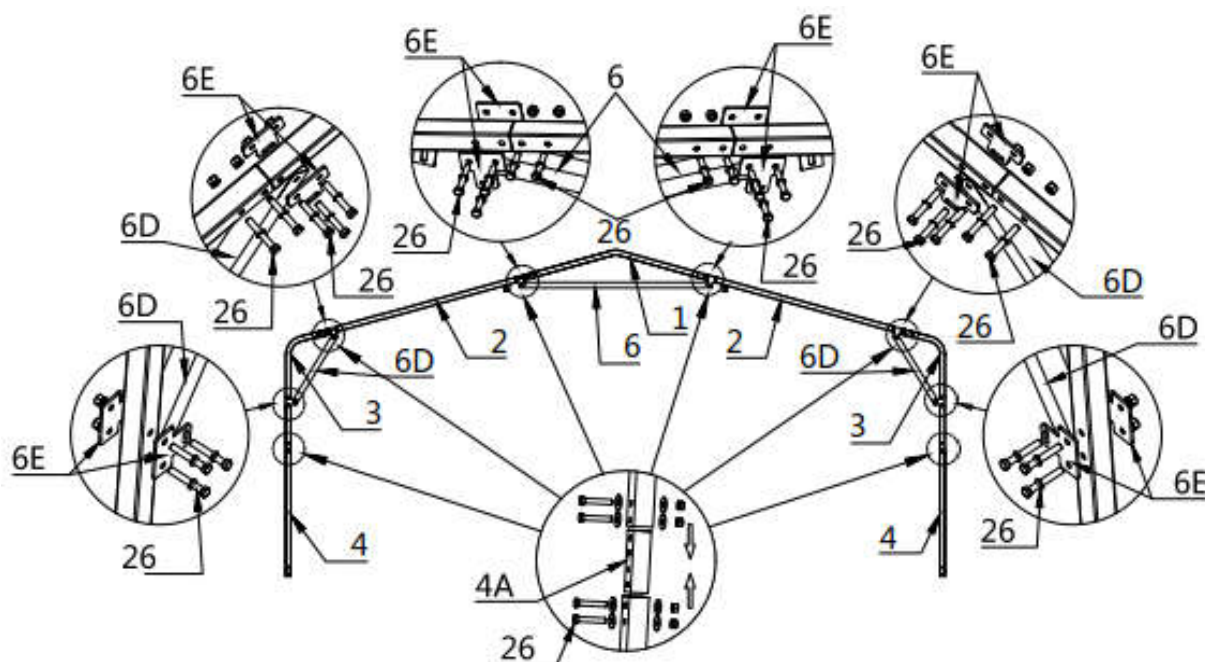
- Install (1) middle truss.



NO.	PART	QTY
1		1
2		2
3A		2
4		2
4A		6

NO.	PART	QTY
6		1
6D		2
6E		12
26		34

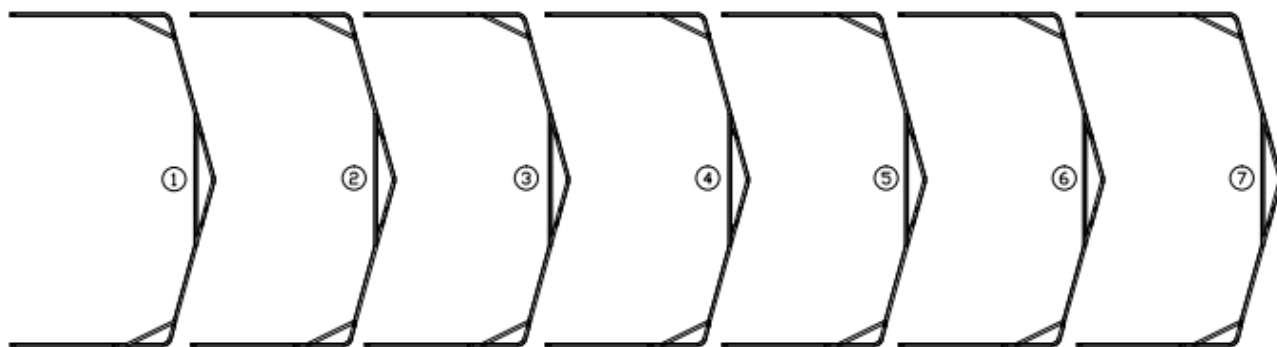
- Install (4) other trusses.



NO.	PART	QTY
1		1x4
2		2x4
3		2x4
4		2x4
4A		6x4

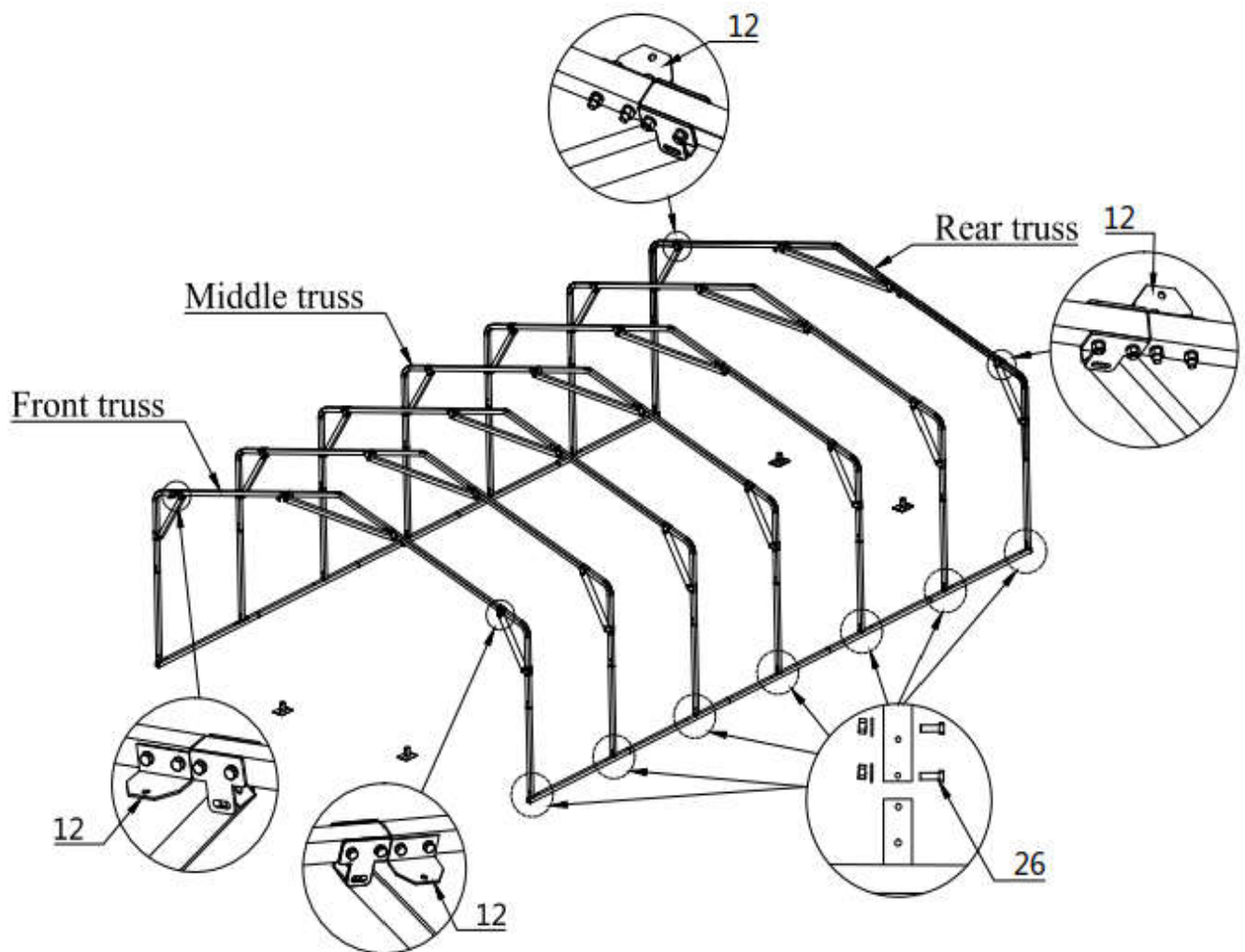
NO.	PART	QTY
6		1x4
6D		2x4
6E		12x4
26		34x4

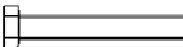
- Lay down all (7) trusses on the ground when the assembly is all completed and before moving to next step.



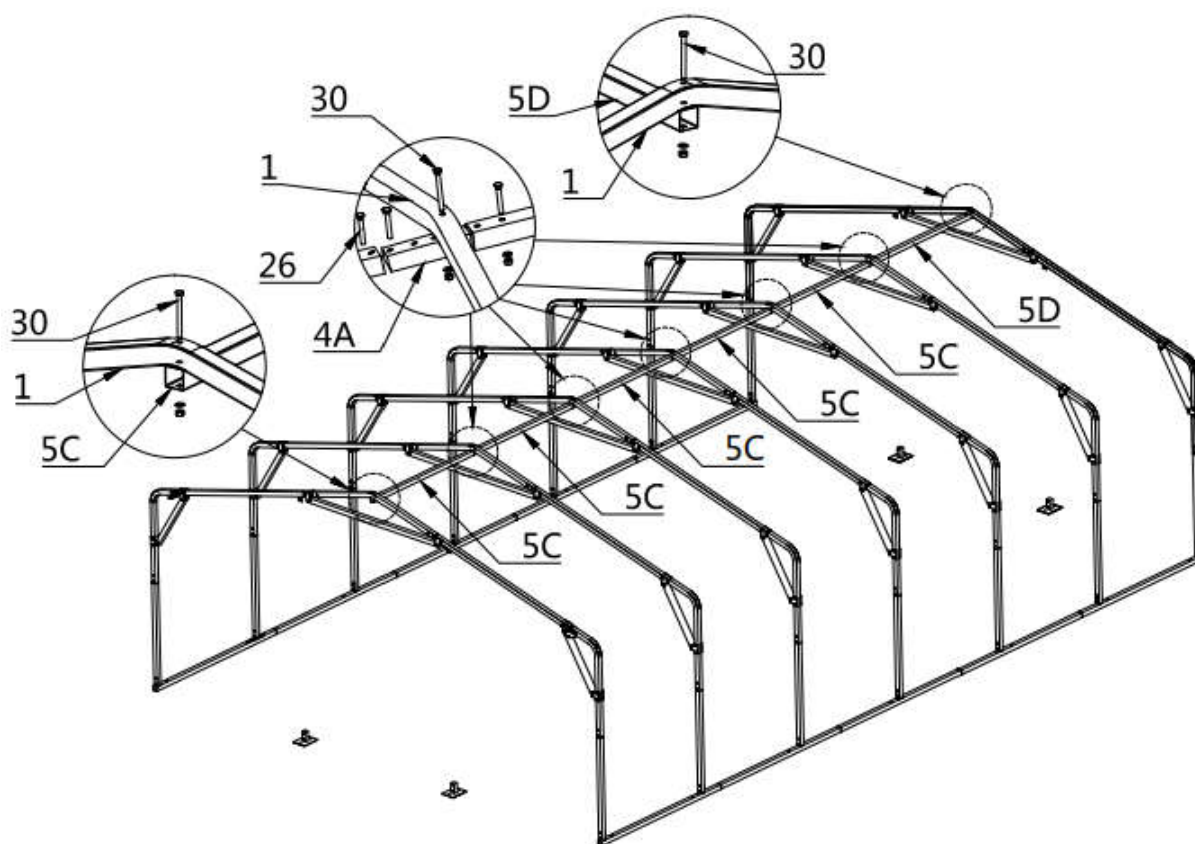
STEP 3 : ASSEMBLE ALL TRUSSES TO THE FOUNDATION PIPE AND CONNECT THEM WITH (#26)BOLTS.

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

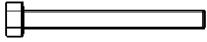


NO.	PART	QTY
26		28

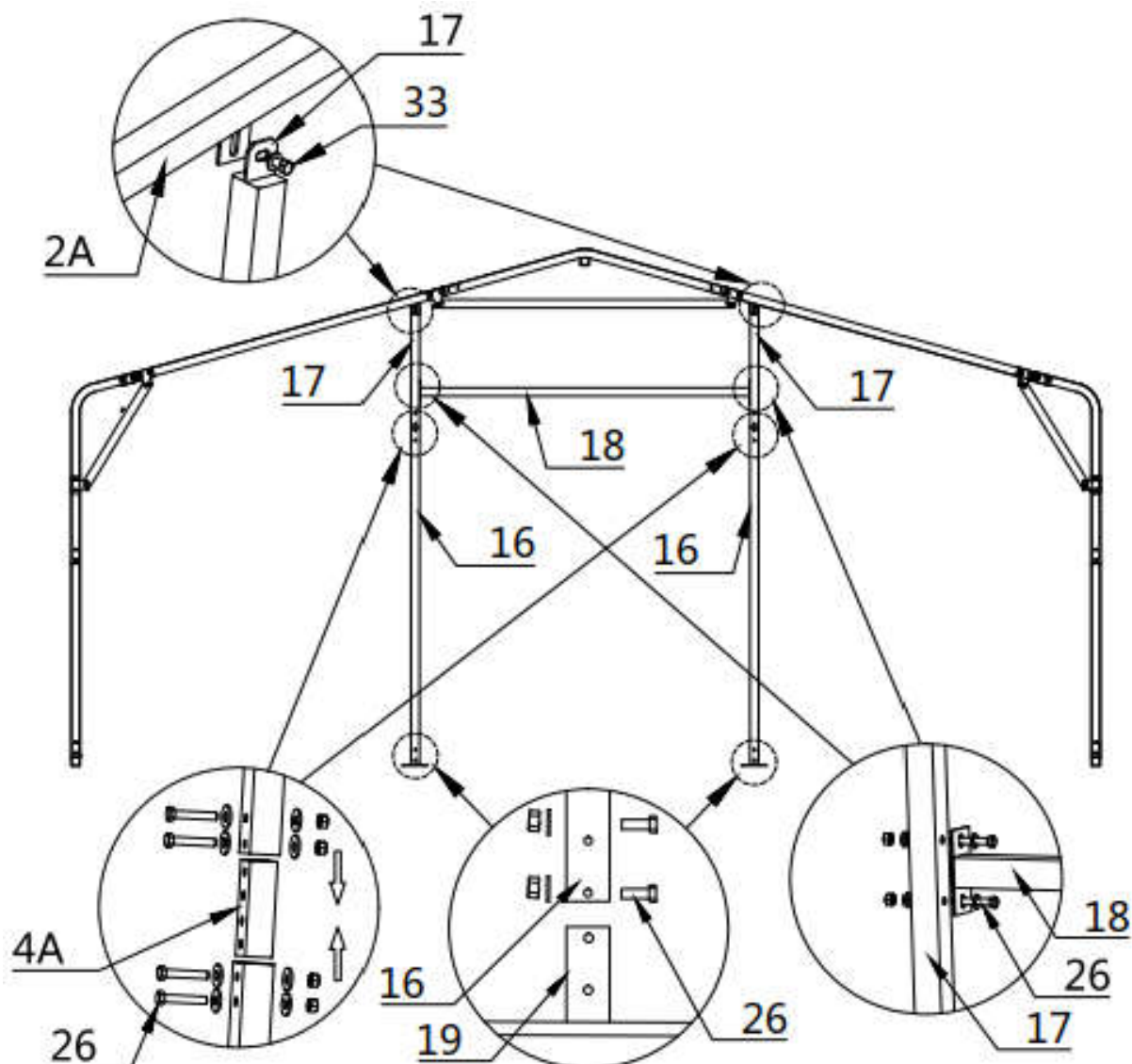
- Install top cross bar A (#5C) and top cross bar B (#5D). Use (#30) and (#26) Hexagonal bolt fixation.

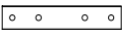


NO.	PART	QTY
5C		5
5D		1
4A		5

NO.	PART	QTY
26		15
30		7

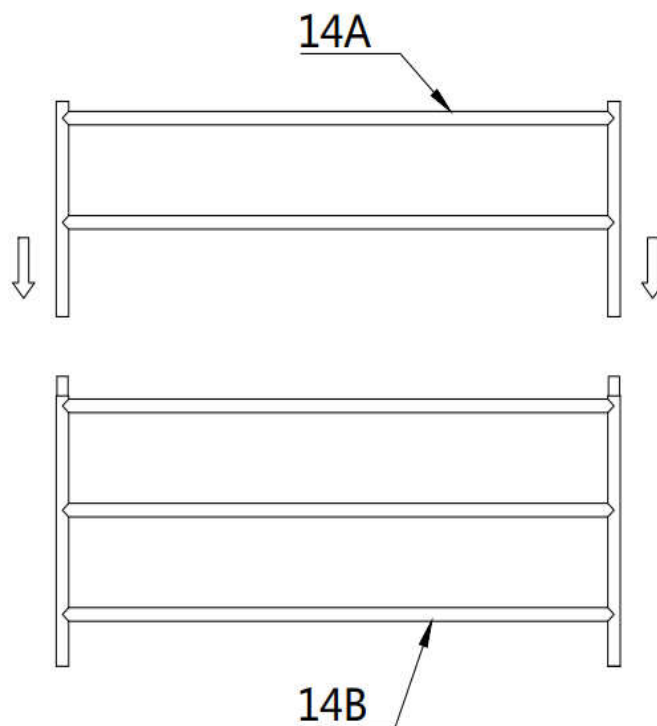
STEP 4 : DOOR COLUMN INSTALLATION,THE FRONT AND REAR MOUNTING METHODS ARE THE SAME.



NO.	PART	QTY
4A		2x2
16		2x2
17		2x2

NO.	PART	QTY
18		1x2
26		16x2
33		2x2

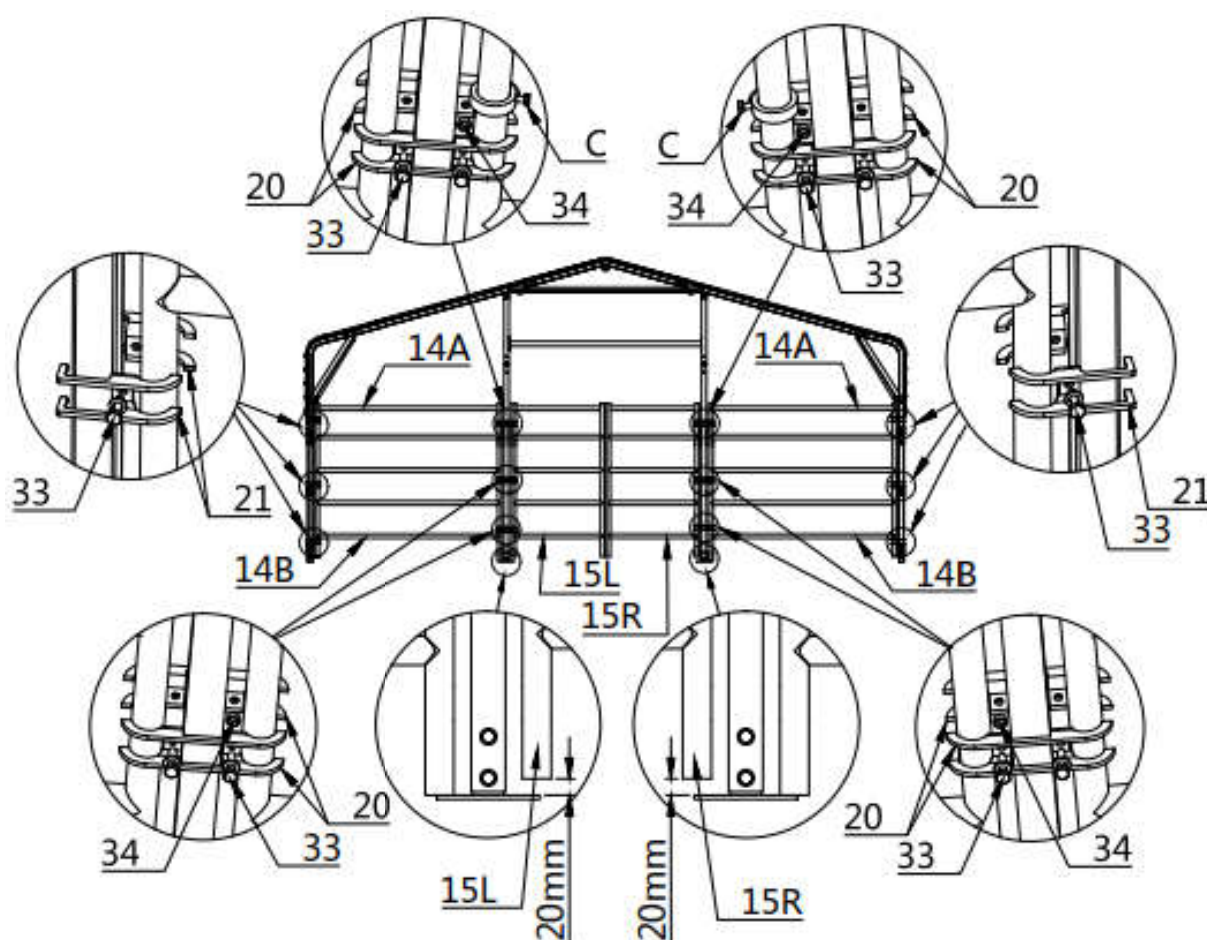
STEP 5 : ASSEMBLE ALL THE FRONT AND REAR PART FENCE .



NO.	PART	QTY
14A		4
14B		4

STEP 6 : INSTALL THE FRONT AND REAR DOOR ENCLOSURE.

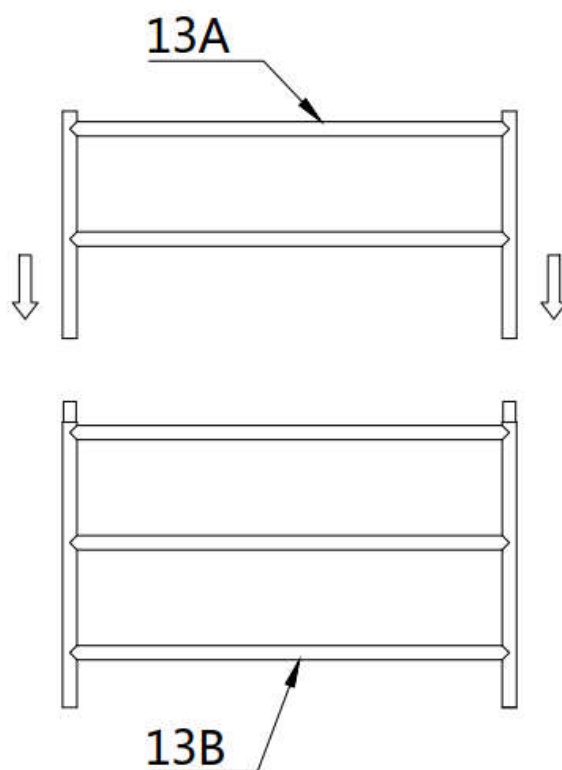
- Install the front and rear mechanical doors and front and rear fences, and fix the mechanical doors (#15L, #15R) and front and rear fences (#14A, #14B) with double fasteners (#20).
- Adjust the height of the mechanical door to the base plate by 20 mm, and adjust the positioning iron ring on the mounting plate. For the mechanical door to match the upper double fastener, tighten the bolt C, and then adjust the bolt on the double fastener so that the mechanical door can rotate.
- The fence and the truss are fixed with a single fastener (#21) and locked with (#33) hex bolts.



NO.	PART	QTY
15L		1x2
20		12x2
21		12x2

NO.	PART	QTY
15R		1x2
33		18x2
34		6x2

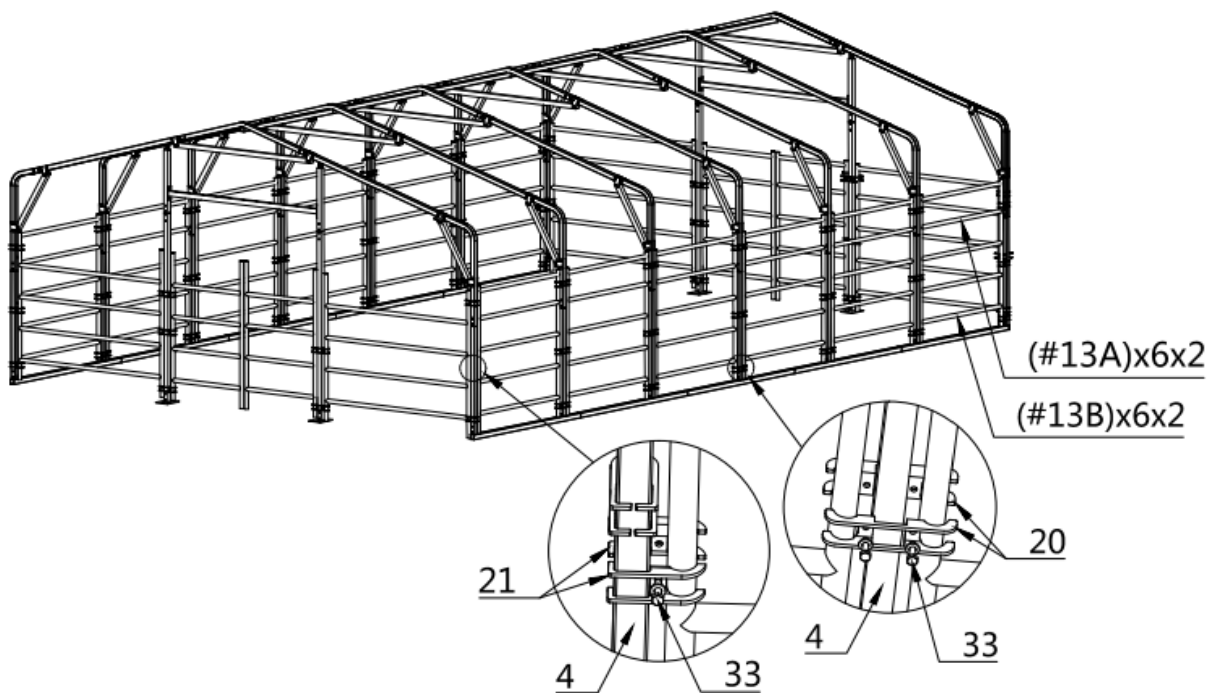
STEP 7 : ASSEMBLE ALL THE SIDE PART FENCE .



NO.	PART	QTY
13A		12
13B		12

STEP 8 : INSTALL FENCES ON BOTH SIDES.

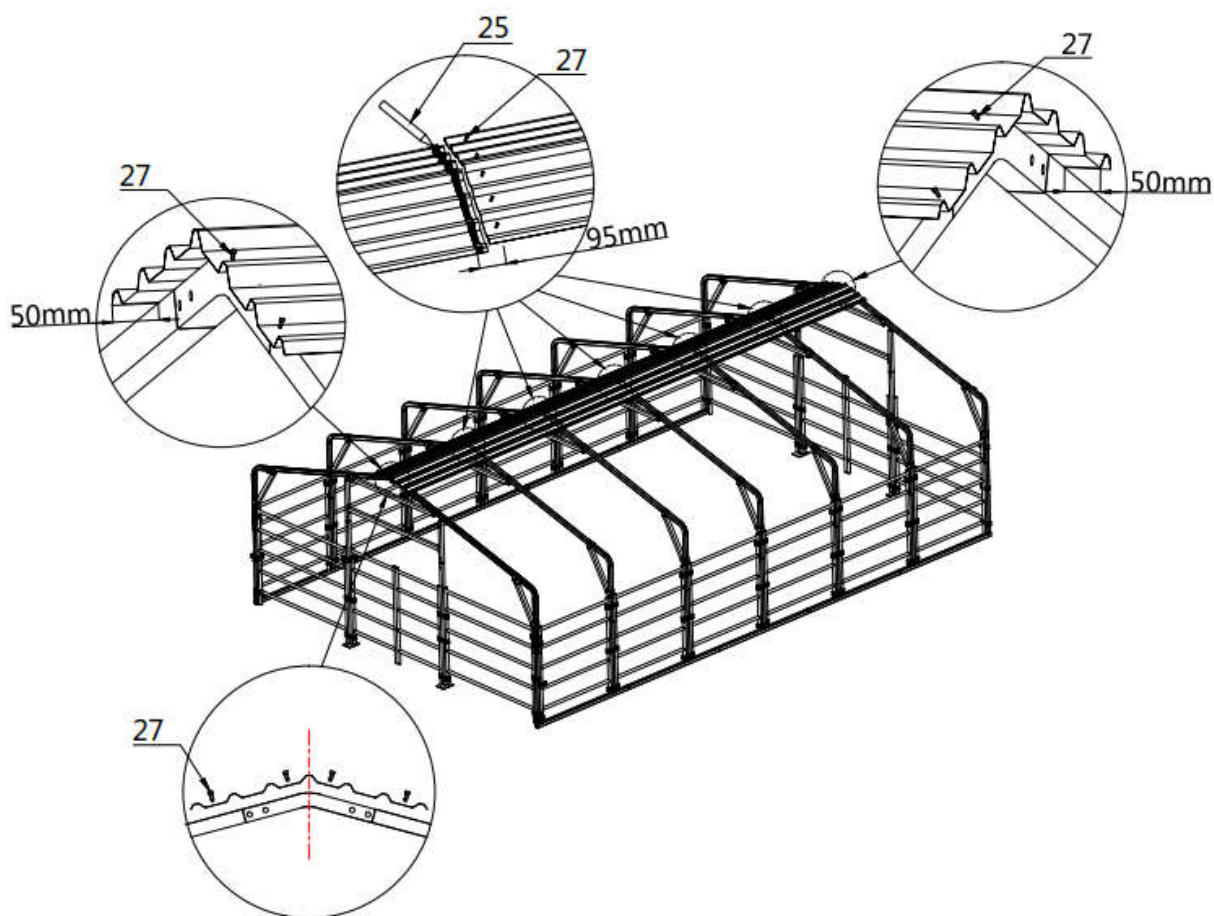
- Install the fence between the trusses, the left and right trusses and fences are fixed with single fastener (#21), middle trusses and fences are fixed with double fastener (#20), and locked with hex bolt (#33).



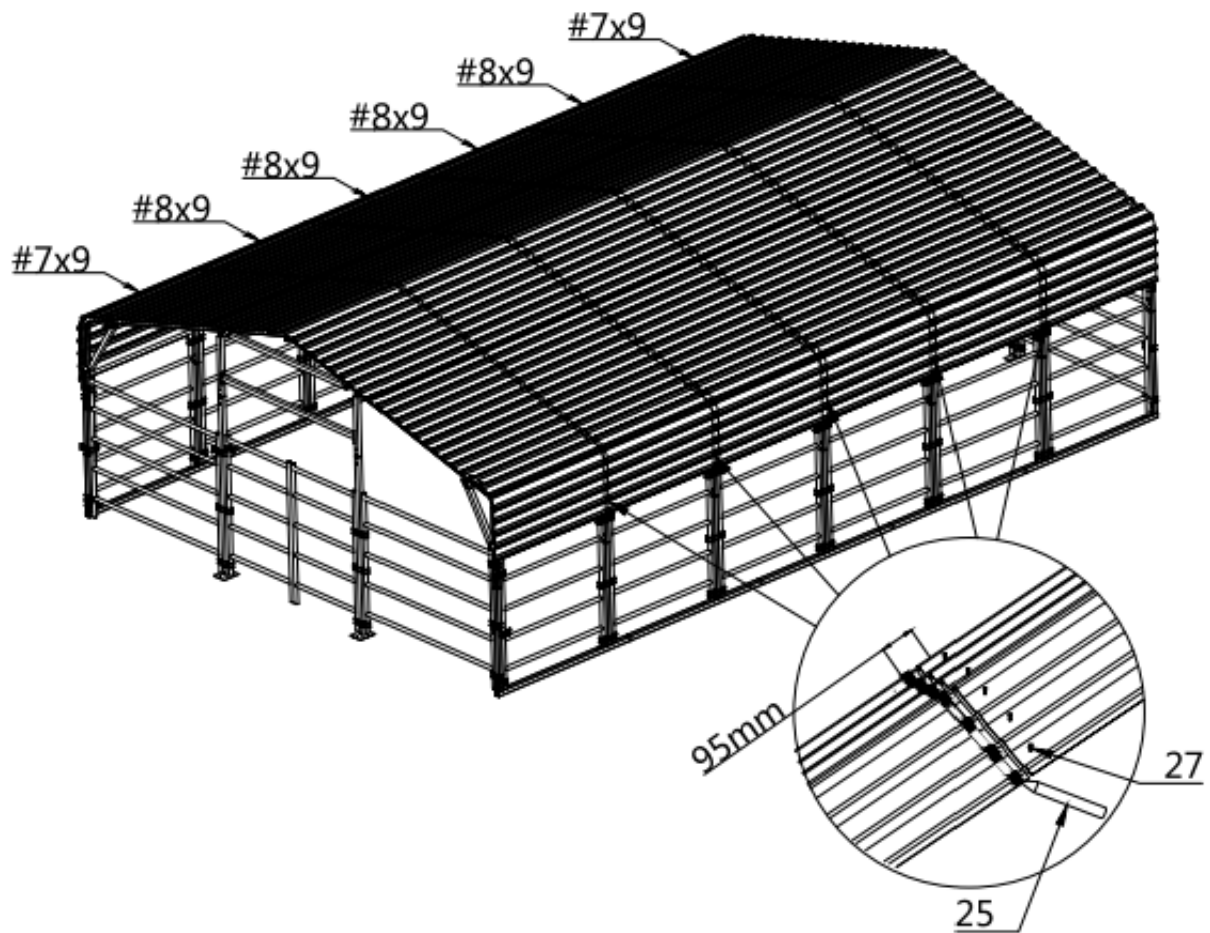
NO.	PART	QTY
20		60
21		24
33		72

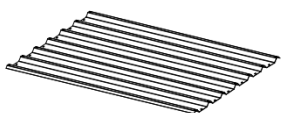
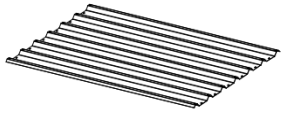
STEP 9 : INSTALL THE COLOR IRON TILE.

- Before installation, ensure that the distance between centers of each collapse is 1500mm. Install the first row of colored steel 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 steel tiles are fixed on the truss with (#27) self tapping screws.



- Install all color iron tiles in turn, take the first colored steel tile at the top as the benchmark make sure that both ends of each color iron tile are aligned, and apply waterproof silicon sealant (#25) on the butt joint of both ends.

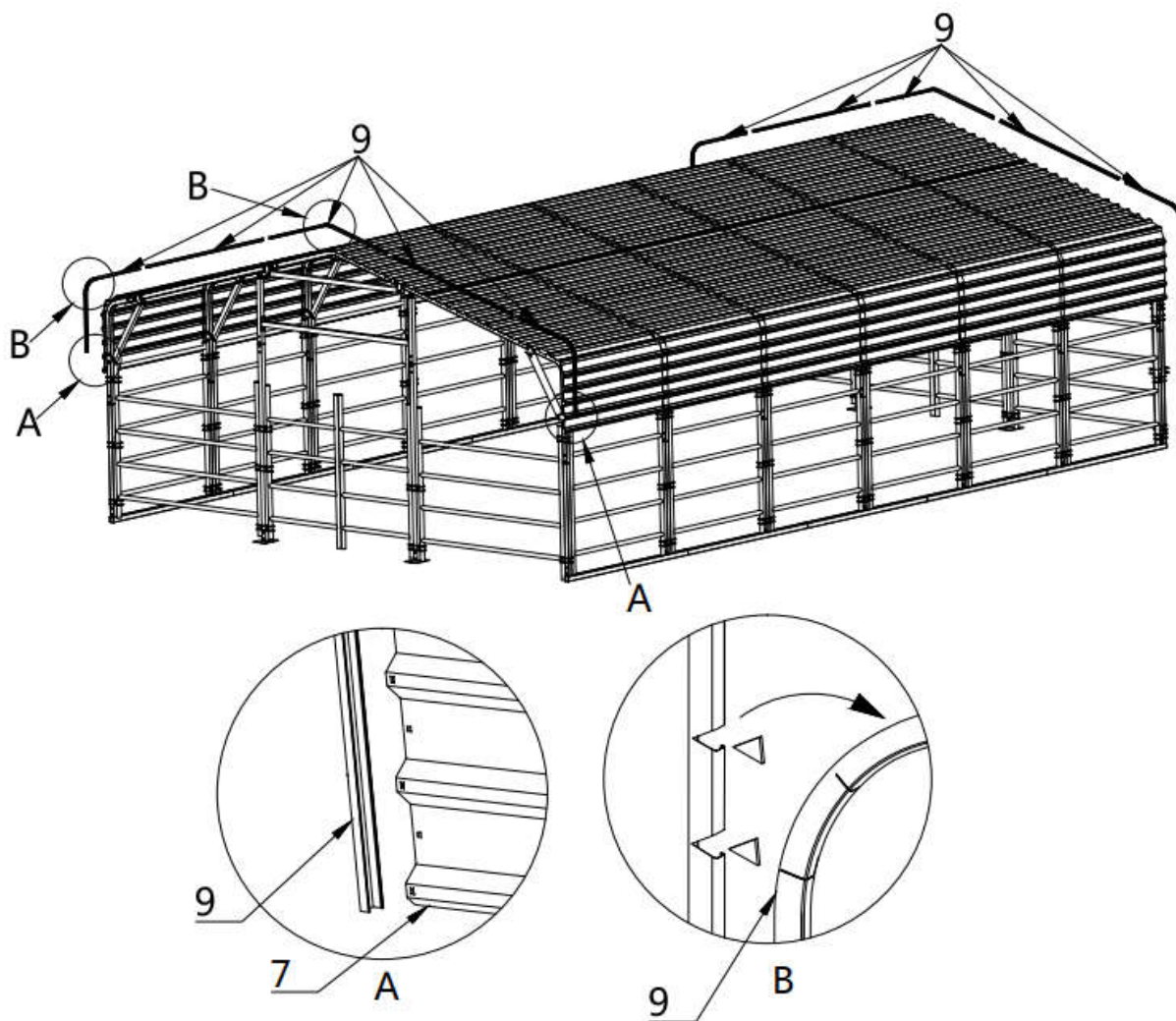


NO.	PART	QTY
7		18
8		36

NO.	PART	QTY
25		4
27		342

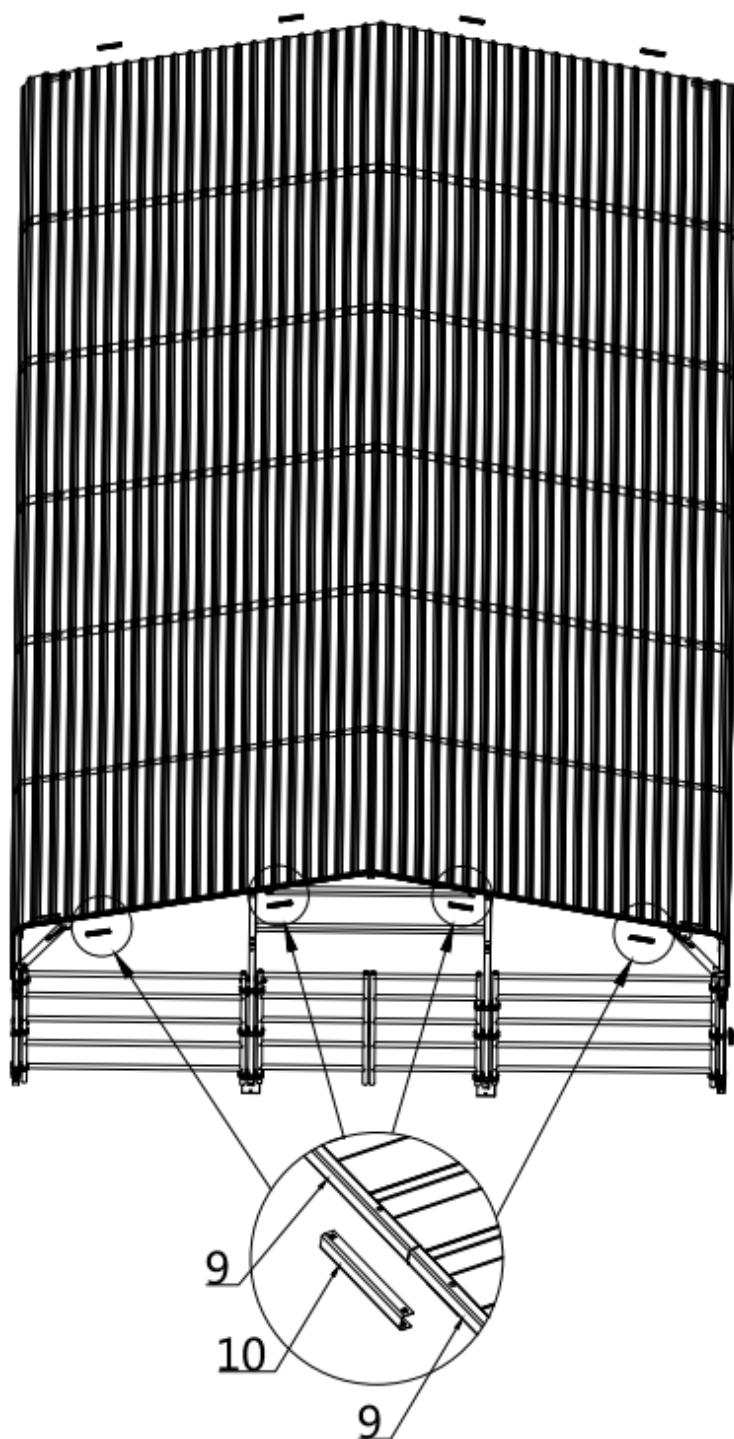
STEP 10 : INSTALL THE FRONT AND REAR EDGING STRIPS.

- Start to install the color steel tile edge protector (#9) from one side, and align one end with the color steel tile edge. The opening of the edge banding strip of the color steel tile shall be aligned with the end face of the color steel 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 steel tile can be bent and installed.



NO.	PART	QTY
9		10

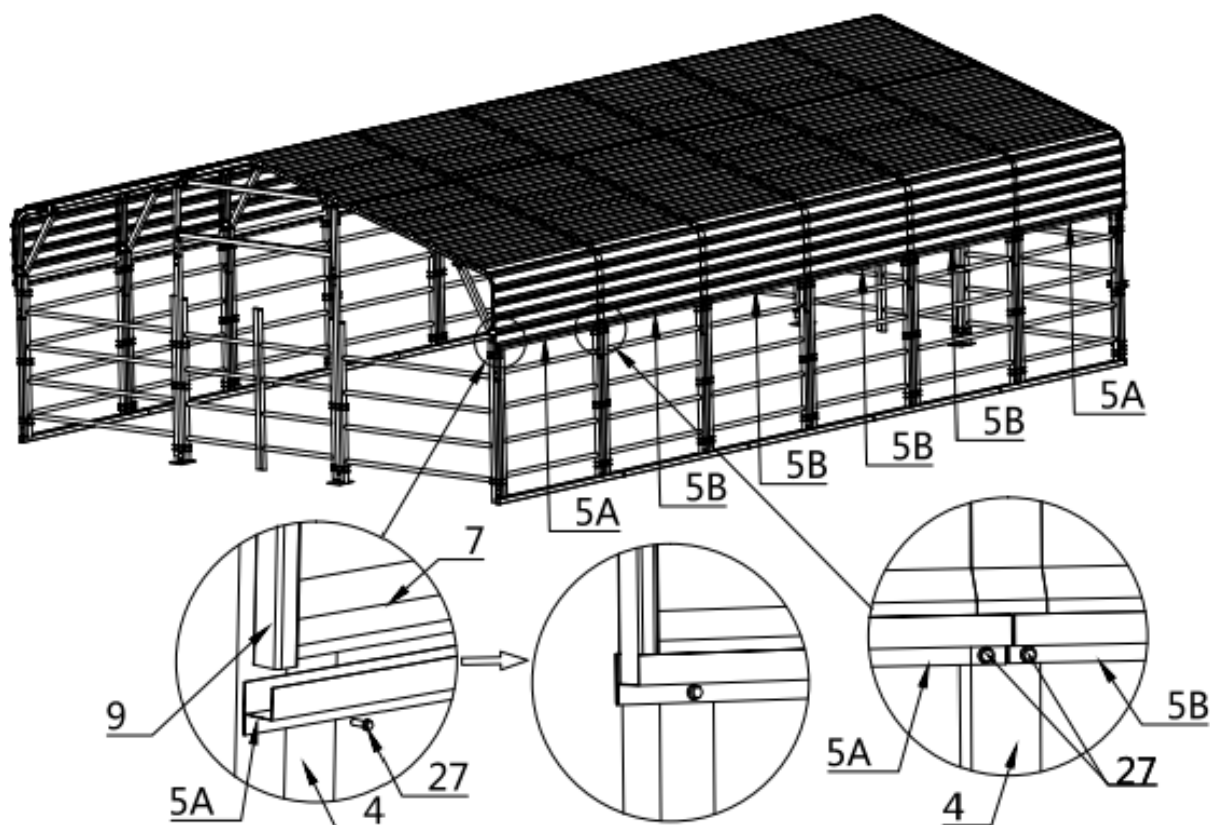
- Install the edge buckle (#10) and the two raised card points of the edge buckle are aligned with the square holes at the interfaces of the two color steel tile edge bands, and then press the buckle in place.



NO.	PART	QTY
10		8

STEP 11 : 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 (#27) self tapping screw.

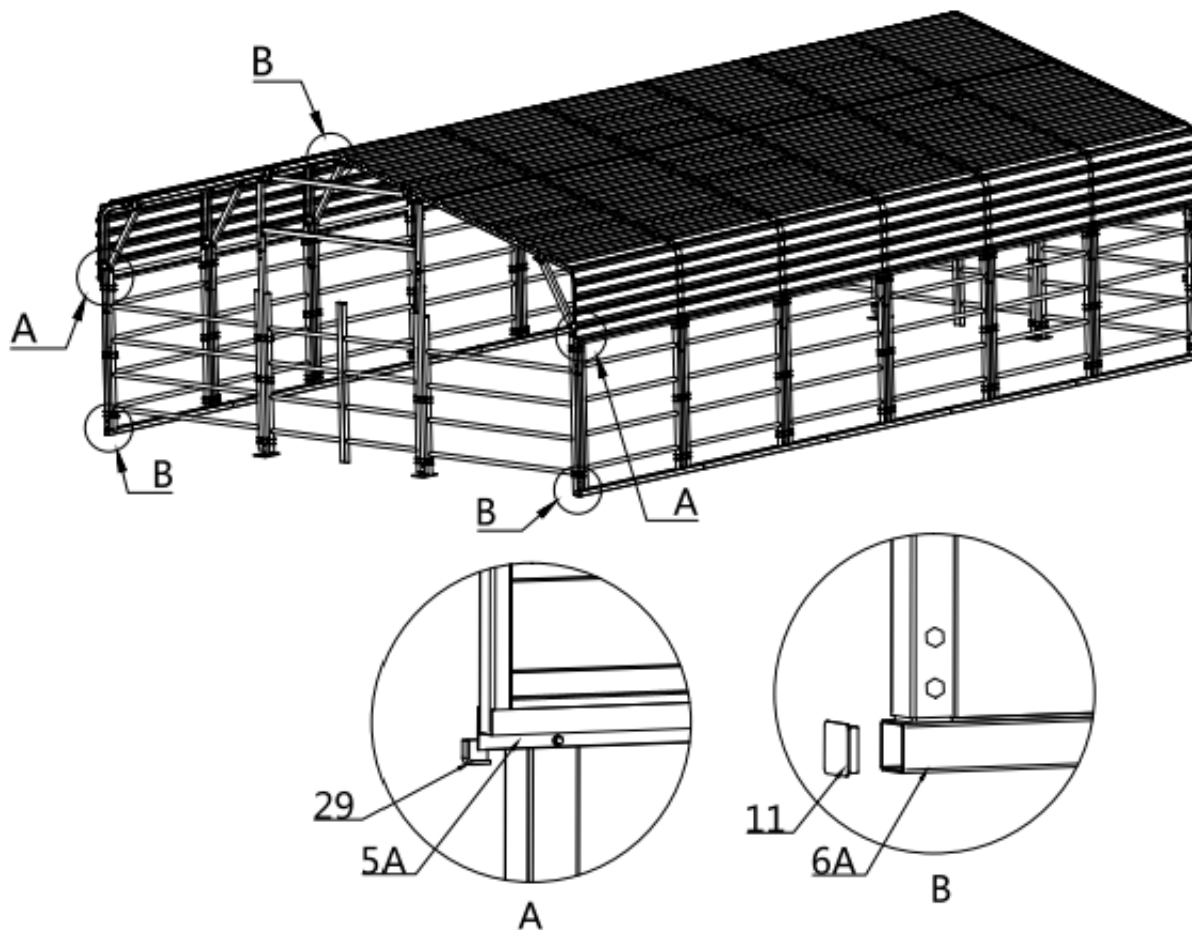


NO.	PART	QTY
5A		4
5B		8

NO.	PART	QTY
27		28

STEP 12 : INSTALL THE SQUARE PIPE WATERPROOF PLUG AND ANTI-COLLISION ANGLE.

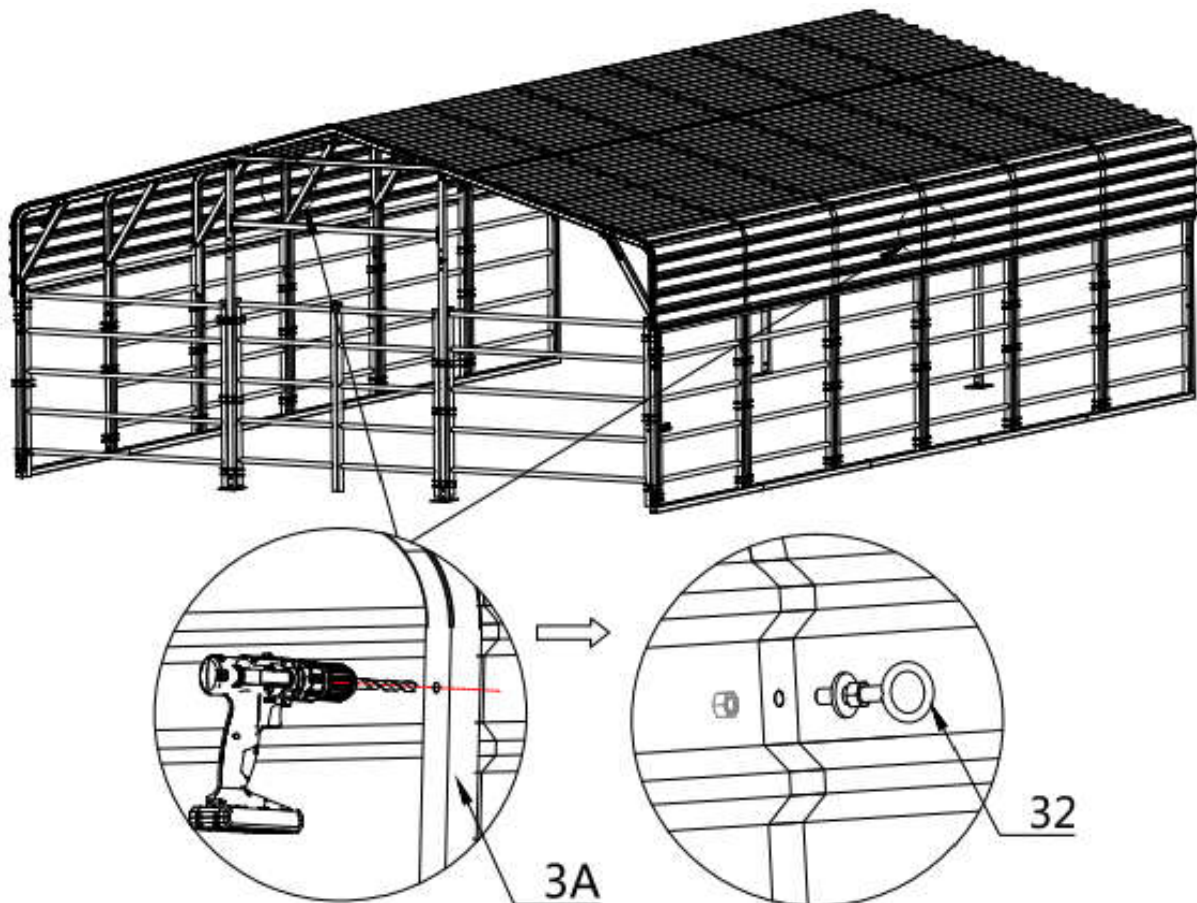
- Put the waterproof plug into the square pipe head. Tear the 3M adhesive protective film, on the anti-corner protector (#29) and paste the anti-collision angle to one end of the (#5A) side edge crossbar.



NO.	PART	QTY
11		6
29		4

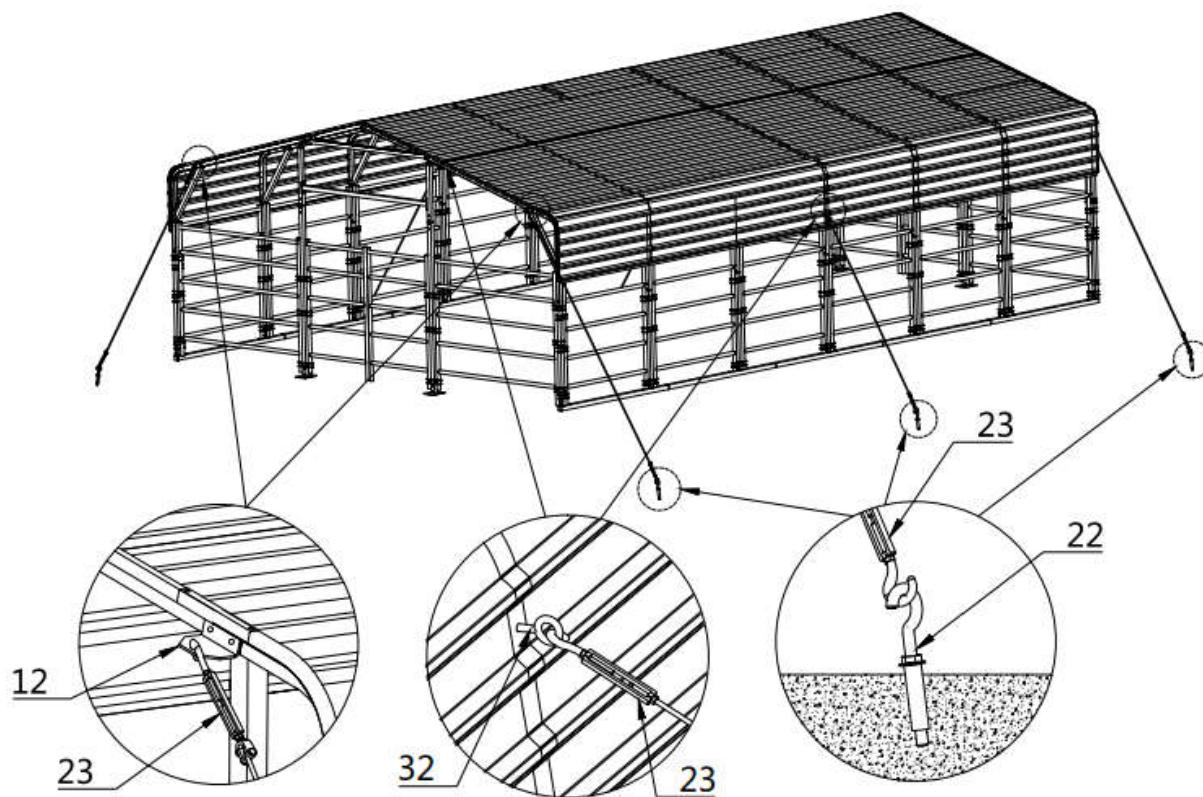
STEP 13 : INSTALL EYEBOLTS.

- Drill holes from inside to outside where the middle truss has holes, through the thin metal sheet, Then install (#32) eyebolts.



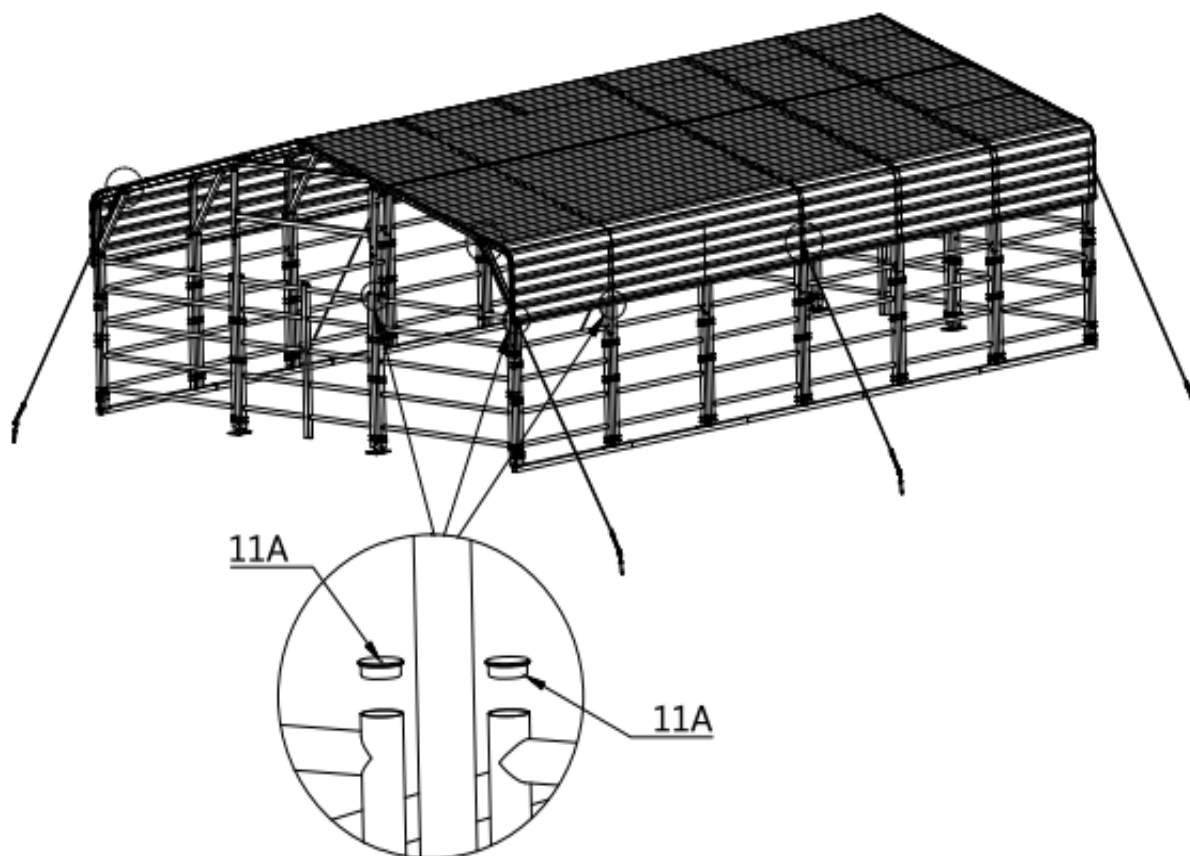
NO.	PART	QTY
32		2

STEP 14 : INSTALL THE WIRE ROPE.



NO.	PART	QTY
22		6
23		6

STEP 15 : INSTALL THE WATERPROOF PLUG.



NO.	PART	QTY
11A		40

- 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 (#28) 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.

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