



MODEL:406621

W12xL20xH6.4M

INSTALLATION INSTRUCTIONS



Installation Instructions

Congratulations on your purchase of our instant shelter. This unit is a combination of excellent manufacturing and design. It is comprised of a rigid frame and a durable cover. For easy assembly, we have marked all the parts with codes, with proper installation, use and maintenance, your unit will provide many years of good and suitable service.

Tools Required

The following hand tool will be needed for proper installation of your new building:

- 12mm, 14mm, and 17mm open end wrenches
- 12mm, 14mm, 17mm sockets or box wrenches
- Large flat head screwdriver
- 2lb maul or sledgehammer
- 4ft level
- 14ft step ladder
- Stake and string for aligning base plates and frame

Assembly Procedure

1. Prepare location and place all unit boxes near location sight. Perform an inventory check before beginning, to be certain all components are available for installation.
2. Secure base plate flanges to base surface.
3. Assemble every group of the arch.
4. Begin frame assembly with front end arch, first interior arch, purlins, etc.
5. Add to assemble other groups of arches.
6. Install main cover over frame.
7. Install end cover over end panels.

Read all the detailed instructions and notices in the following assembly instructions!



Maintenance and Care

Annually or more often, the unit should be completely inspected internally and externally to make certain the unit remains properly installed and secured. Particular attention should be paid to:

- Hardware - check all carriage bolts and hardware connectors to be certain they are in place and tightened.
- Weather trends - The unit will strain against the base plate flange under windy conditions, pegs hardware, connection to frame members should be maintained tight and depth of pegs should be checked to be certain they remain deeply and firmly set.
- Snow Accumulation - All snow accumulation on the main cover should be removed as soon as possible. Tap the main cover from the inside with a broom or soft brush to clear cover.
- Main Cover Lacing - The poly rope that secures the main cover to the bottom rail of the frame assembly should be checked, and adjusted as needed. The tension on the main cover should be uniform from end and side to side. Rope ends must be tied off onto the frame members at the ends on each side.
- Cleaning - Cover and doors can be cleaned with a mixture of light detergent and water. A soft bristle brush with the mixture can be used to loosen any hard dirt, mould, or build up on the cover. After cleansing, the cover should be rinsed thoroughly to avoid any chemical reaction from residual detergent. Allowing dirt and debris to sit on cover over an extended time will damage cover irreparably.
- Severe Weather - in preparation for inclement weather, completely secure the door of your buildings portable building.

part	Description	Quantity
1	Top roof truss	7
1A	Top roof truss for front panel	1
1B	Top roof truss for back panel	1
2	Upper roof truss	14
2A	Upper roof truss for front panel	2
2B	Upper roof truss for back panel	2
3	Shoulder truss	16
3A	Shoulder truss for front panel	2
4	Sidewall truss	14
4A	Sidewall truss for front panel	2
4B	Sidewall truss for back panel	2
6L	Base plate for left corner	2
6R	Base plate for right corner	2
7	Base plate for sidewall	14
8	Base plate for front and back panel	6
9	Horizontal tube	128
10	Vertical truss for door	2+2
	Connectors of #10	6+2
11	Upper vertical tube for side of front panel	2
12	Lower vertical tube for side of front panel	2
	Connectors of vertical tube	2sets
13	Door beam	1+2+2
	Connectors of door beam	2sets
14	Middle hanging tube for front panel	1
15	Side hanging tube for front panel	2
16	Suspender tube for front panel	2
16A	Clip for #16	2
17	Brace tube for door	2
18	Rails beside door	4
19	Upper rails for sides of front panel	2
20	Lower rails for sides of front panel	1
20A	Lower rails for sides of front panel	1+1
21	Personal door	2
22	Lower vertical tube for back panel	4
23	Upper vertical tube for middle of back panel	2
24	Upper vertical tube for sides of back panel	2
	Connectors of vertical tube	4sets
25	Middle rails for back panel	9
26	Upper rails for side of back panel	2
27	Middle rails for middle back panel	2
28	Lower rails for sides of back panel	2
29	Slanting support tube	16
29A	Clip for slanting support tube	32
30	Stake peg	100
31	Steelwire for sidewall	12
	Turn buckle	12+24
32	Hexagon bolt M14*40	300
33	Hexagon bolt M10*60	266
34	Hexagon bolt M10*30	60
35	Hexagon bolt M10*85	50

35A	Hexagon bolt M10*75	50
35B	Carriage bolt M10*75	10
36	Self-tapping screw	600
37	Metal door	1sets
38	Metal sheets	1sets

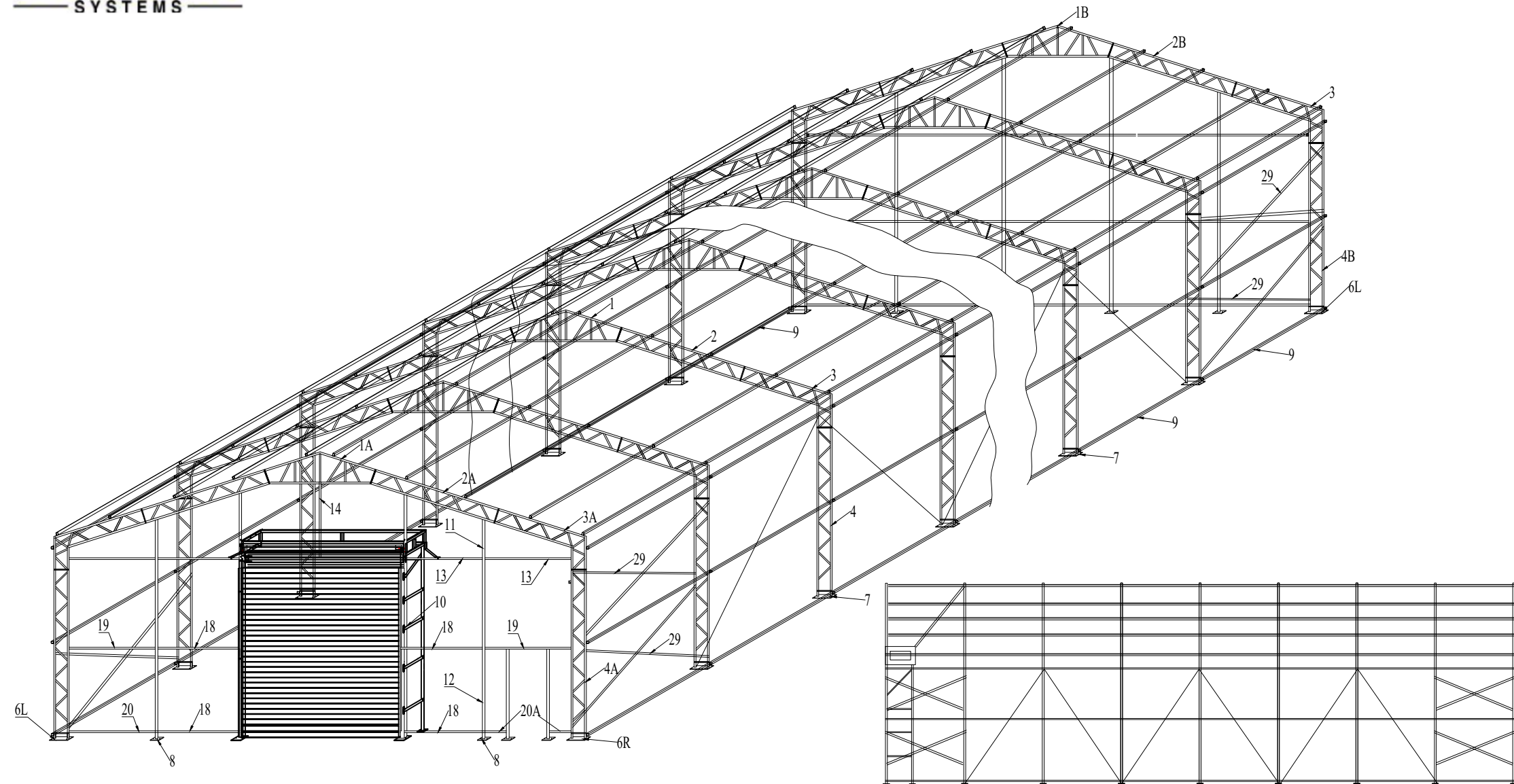


Figure 1 Sketch of Trussed Frame Shelter Size: L20 x W12 x H6.4m

Sit the building boxes in the chosen location. Remove all the components from packaging to ensure all components are present by checking with the Part List.

The Shelter must be secured to a firm surface that can receive and retain pegs firmly in position. The shelter should be installed on FIRM GROUND, not on SWAMP, SOFT/WET GROUND. The Base Flanges must be secured so they cannot be moved.

Step #1 --ARCH ASSEMBLY

Assemble ALL the arches including the base plates, and LAY them on the ground first. DO NOT erect them until you finish all the arches assembly.

Each arches consist of: One Top roof tube (Part # 1/1A/1B), Two Roof curving tube (Part # 2/2A/2B), Two Roof curving tube at shoulder height (Part # 3/3A), Two Sidewall tube (Part # 4/4A/4B), Two Base plates (Part # 6L/6R/7) Connect the arches by Using the hexagon bolts with washers and nuts(part #32) through predrilled holes in frame members.

NOTE: Please notice that the part code of the arch sections. The sections of middle,front and back arches are not the same. Check with the Part List and the Sketch Figure.

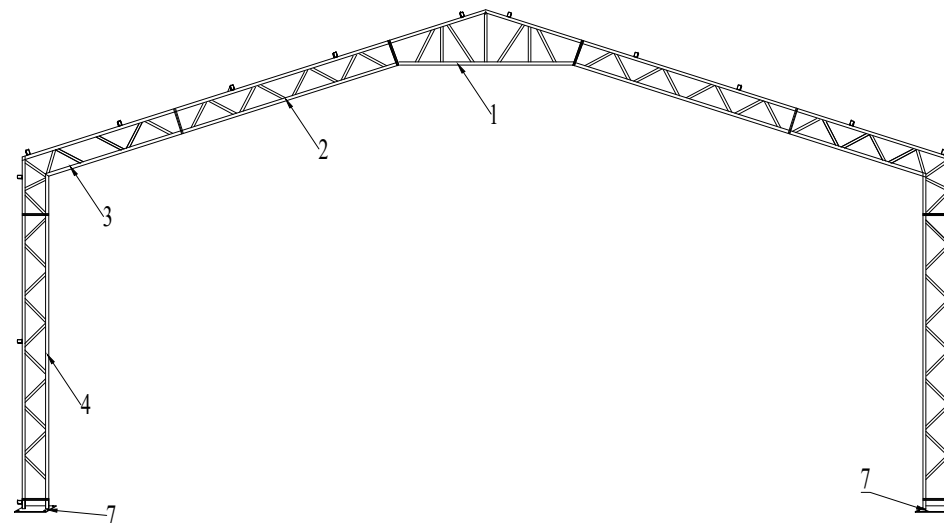


Figure 2 The middle arch

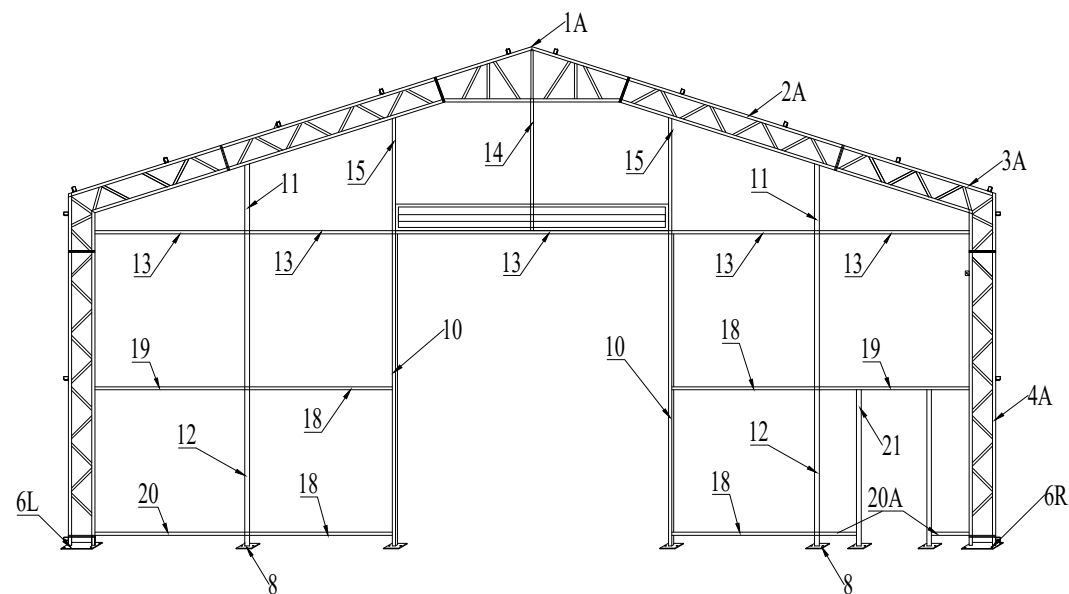


Figure 3 Front Panel Arch

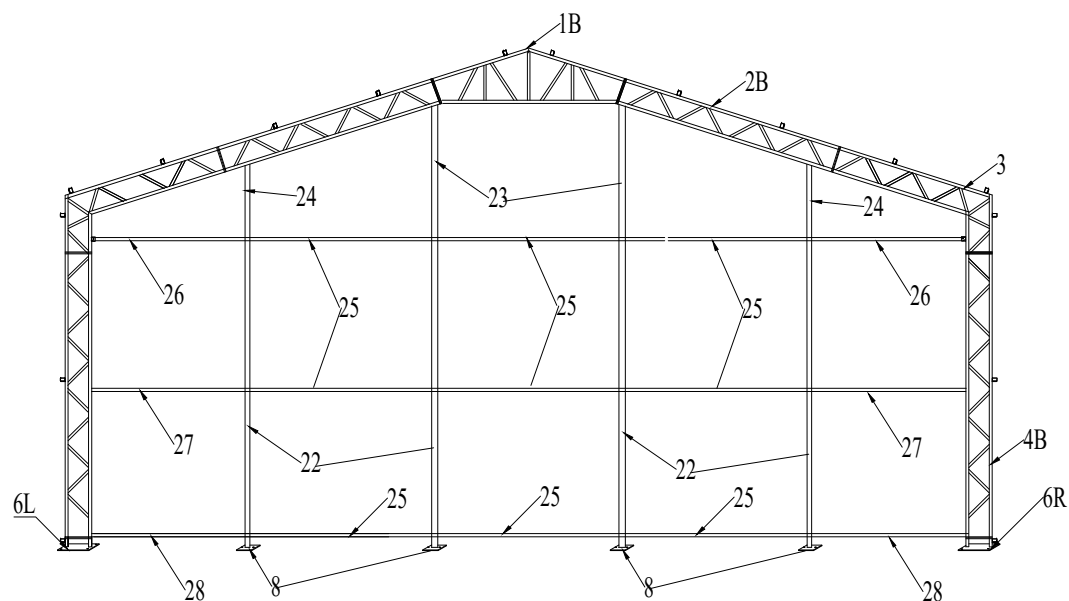
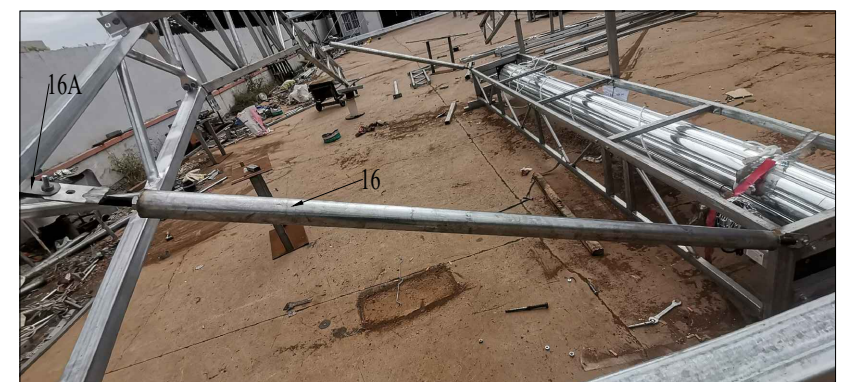
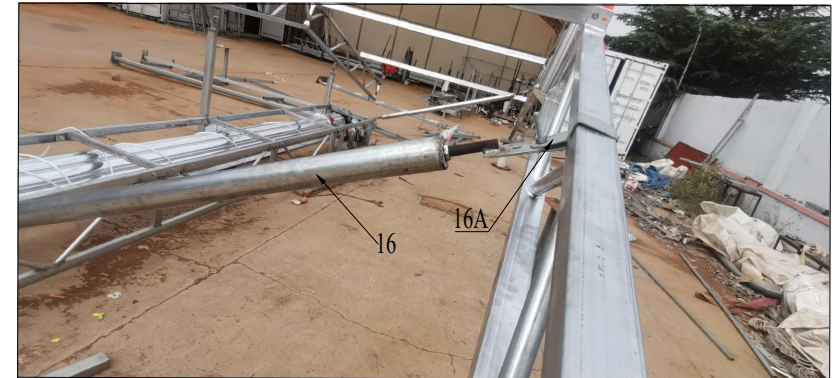
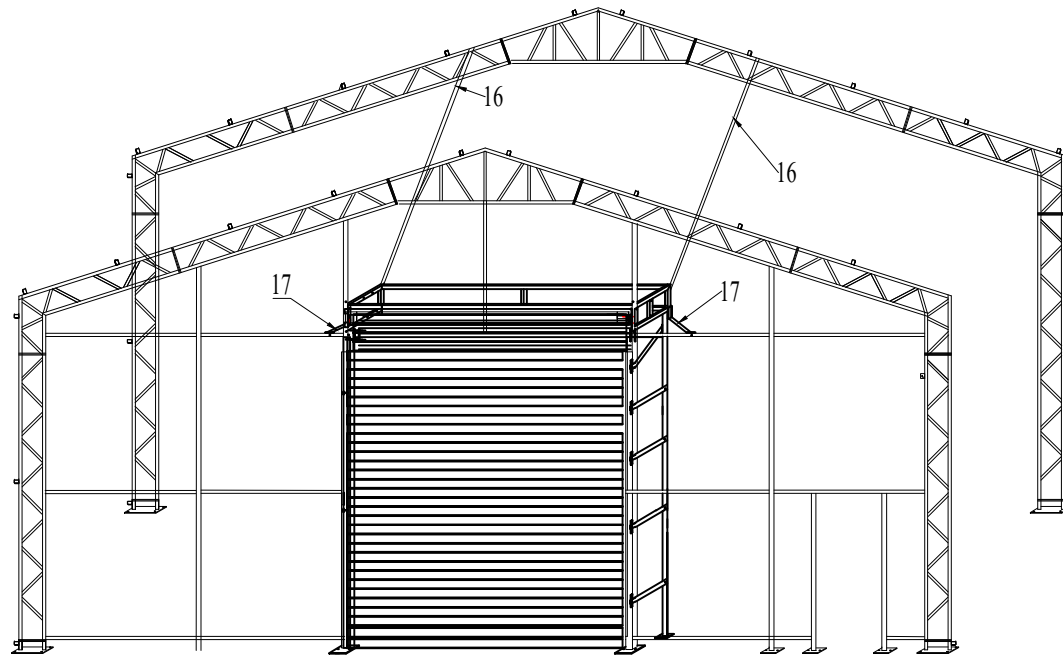


Figure 4 Back Panel Arch





Step #3 --Assembling Roof Purlins

Step #2 --ERECTING ARCHES

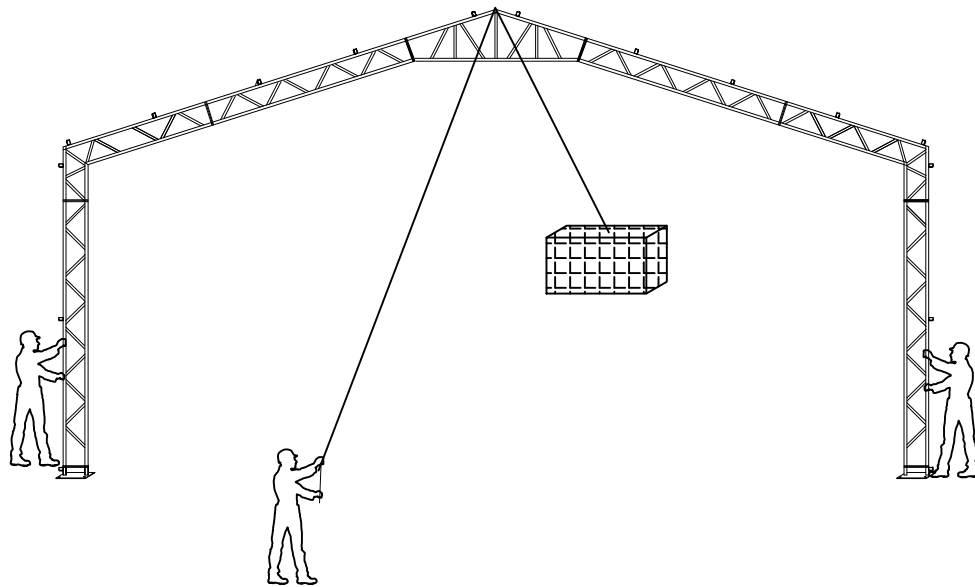


Figure 5 Erecting the Arch

As figure 5 shows, erecting the front arch by using ropes, tie and secure the rope on some heavy object to secure the arch standing temporarily. Then secure the base plates to the ground by using stake pegs(part #30).

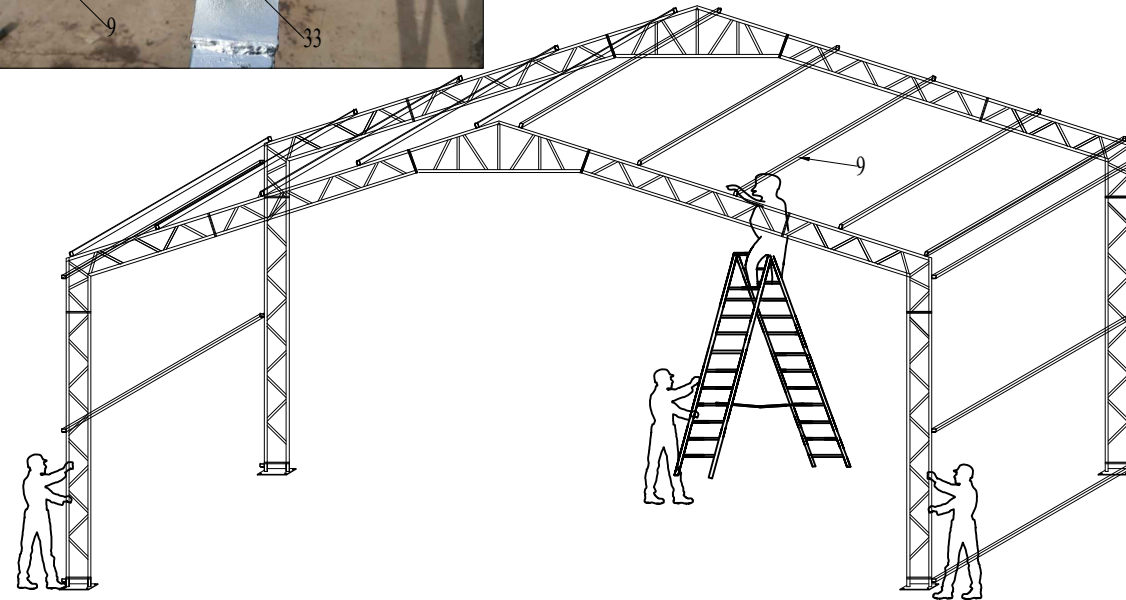
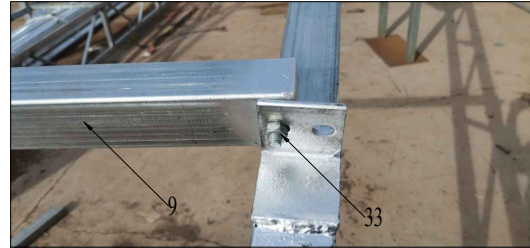


Figure 6

Immediately after erecting the front arch, erect the 2nd arch in the same way. Then connect the two erected arches using Roof Purlin Tubes as figure 6 shows. Secure the Roof Purlin tubes into place using carriage bolts and nuts (part #33).

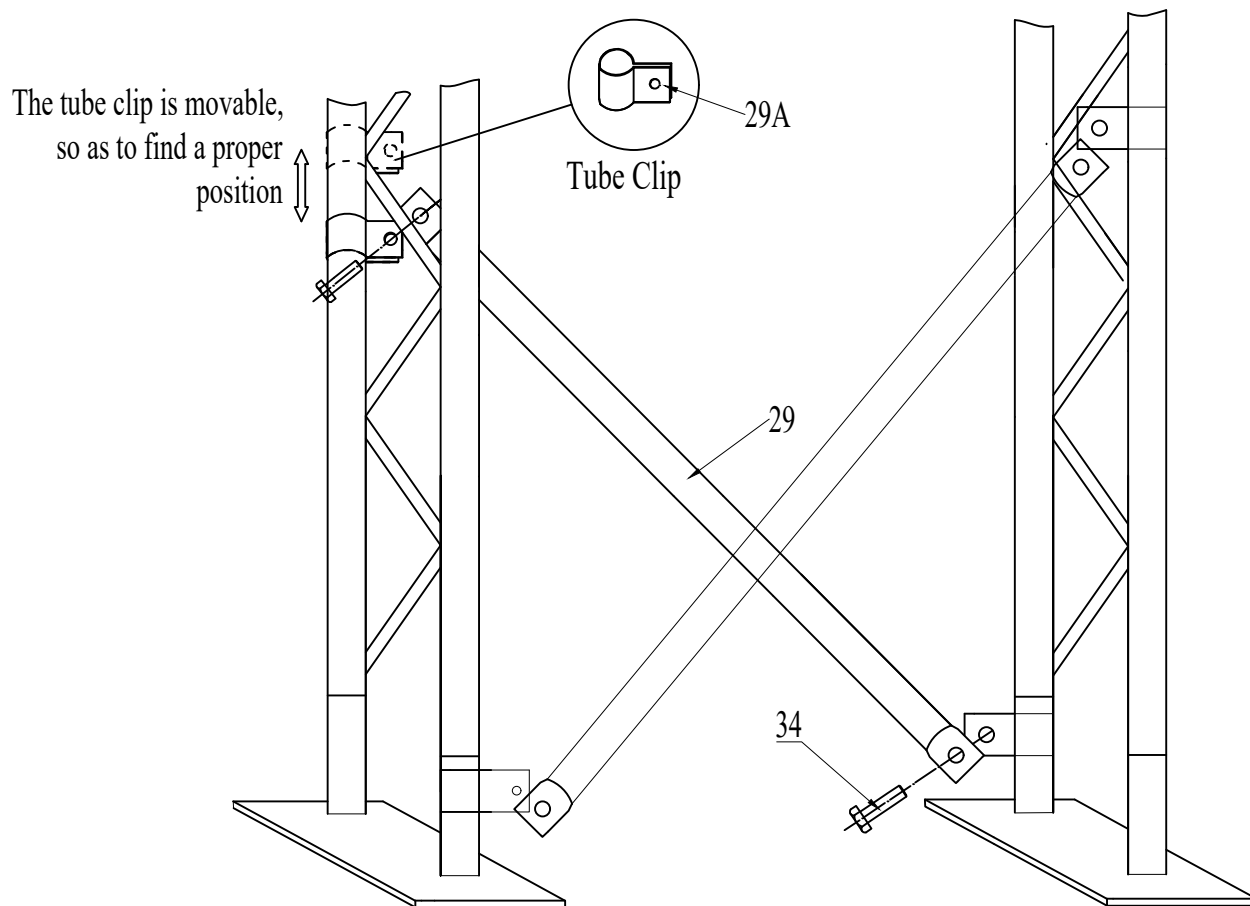


Figure 7: Wind Brace Supports(part 29)

Next install the Wind Brace supports that connect the Front Arch to the first Interior Arch. The Wind Braces give the arch assemblies strength as a unit. Use Bolt M10X30 (Part #34) at the end of each Wind Brace Support to secure.

Continue to install other Arches Assemblies in the same manner. Overlap pinched ends of Roof Purlin onto same carriage bolts inside frame assembly.

Next check entire frame assembly for square and plumb. Adjust Wind Braces and Roof Purlin as necessary to bring frame into plumb. Next tighten frame bolts adequately.

Step #4 --WIND STABILIZERS CABLES AND TURNBUCKLES

On each side of frame, between the first and last two groups of arches, and on the front&back panel frame, cables with turnbuckle are provided to align and strengthen frame before installing cover. After installing all cables, tighten the turnbuckles slightly to adjust the arches vertically and to add rigidity.

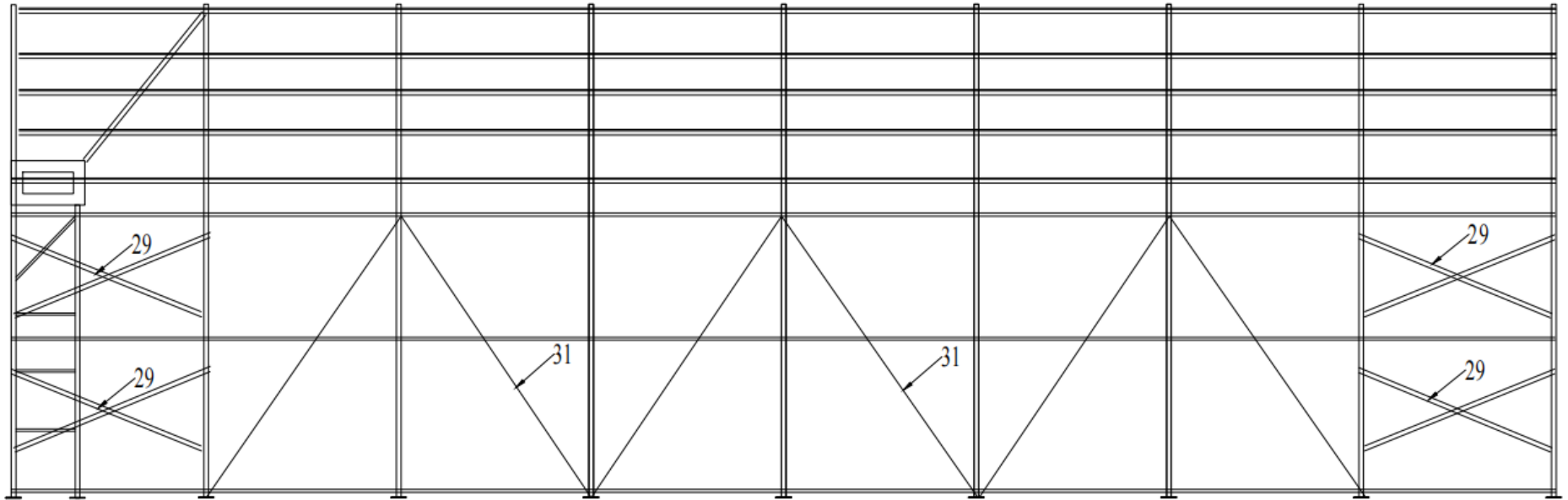
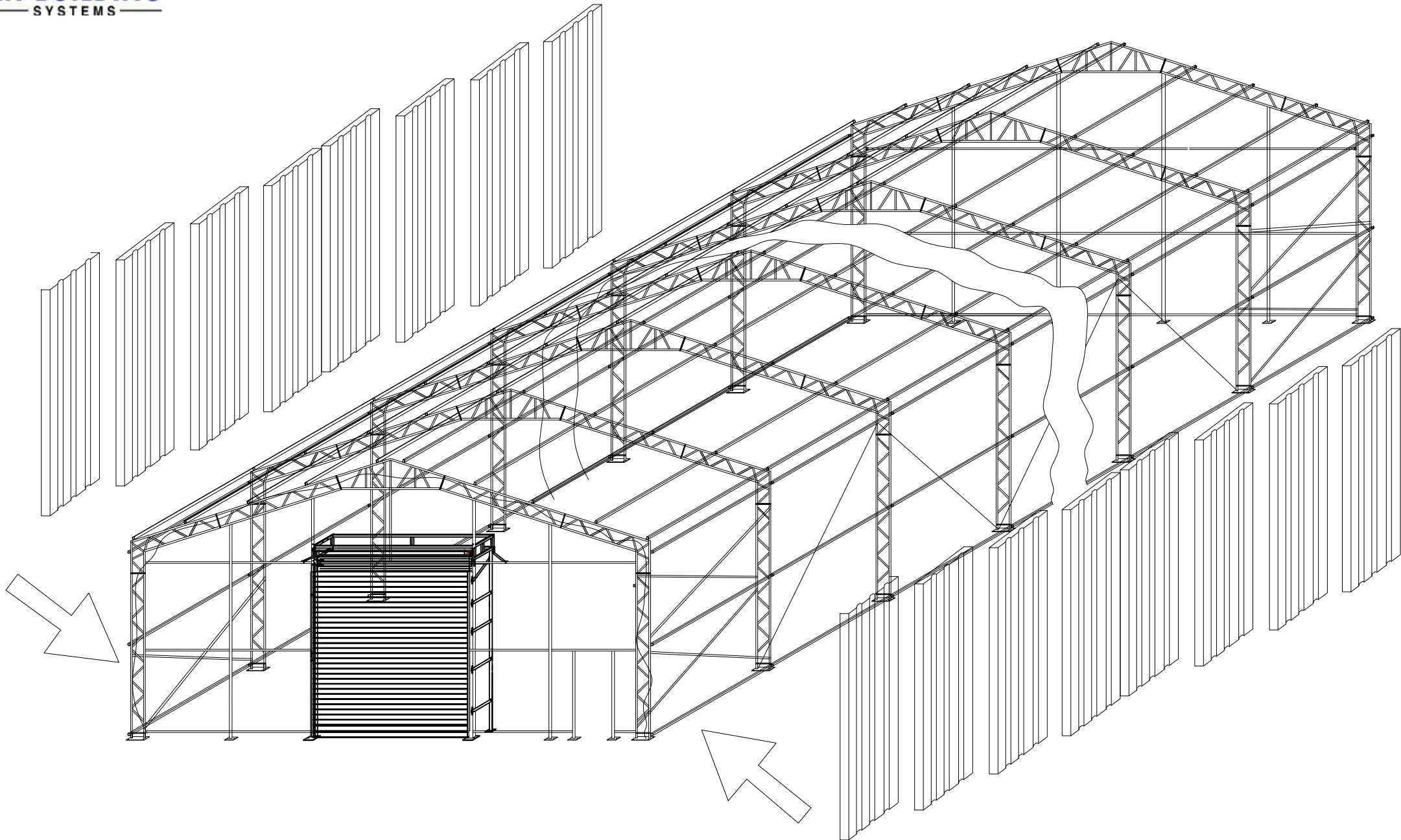
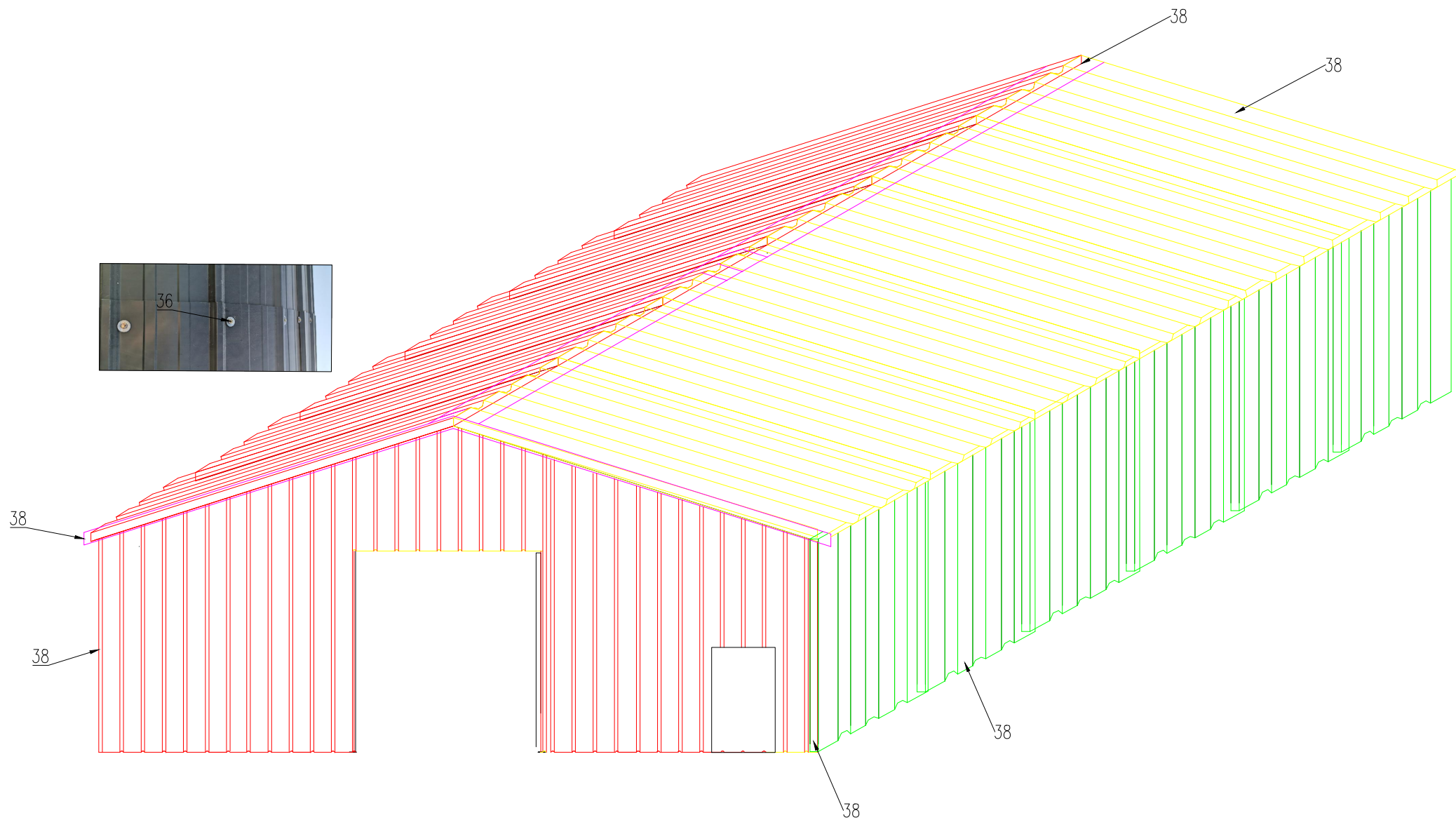


Figure 8 The position of windstabilizers(turnbuckle and cable) at the sidewall.







Electric Rolling Machine (Installed)

Installation and Precautions

- Products manufactured according to the install method (installed on the right side when you look out inside the tent).
- Door rolling machine should be installed horizontally, the curtain reel should be concentric, horizontal, the curtain piece without delay situation.
- Strictly prohibited to lift up bushing of the lead wire directly.
- Pay attention to prevent moisture and rain, avoid electrical short circuit of rolling machine.
- In order to ensure the safety of the equipment, the power supply circuit should be equipped with the specifications of the fuse or automatic air switch.
- In order to ensure the safety of operator, electric rolling gate machine must be protected by zero line or protective grounding.
- Door limiter adjustment: rise the door to the highest point and the lowest, adjust the position of limit block, the micro switch in the limit point of the normally closed contact is disconnected, after the adjustment, must tighten the locking screw.
- When use the button switches to change direction of the door, must press the stop button first for a longer service life of the machine.
- Pay attention to lubrication of transmission screw, transmission roller chain lubrication, should be add machine oil lubrication regularly, to improve service life.
- Pay attention to the friction plate of electromagnetic brake mechanism, adjust the distance to about 0.8mm when it affects the suction or braking effect.
- Use the dust cover for rolling machine in dusty place or outdoor installation.
- Pay attention to the working time (short-time working system): continuous running time not more than 5min.
- The operator should not leave the scene when the rolling door is working, If there is abnormal situation should immediately cut off the power supply and make timely inspection, troubleshooting before use; when the door is working, please don't cross over it.
- Pay attention to adjust the tightness of roller chain, to avoid the situation of too loose or too tight.

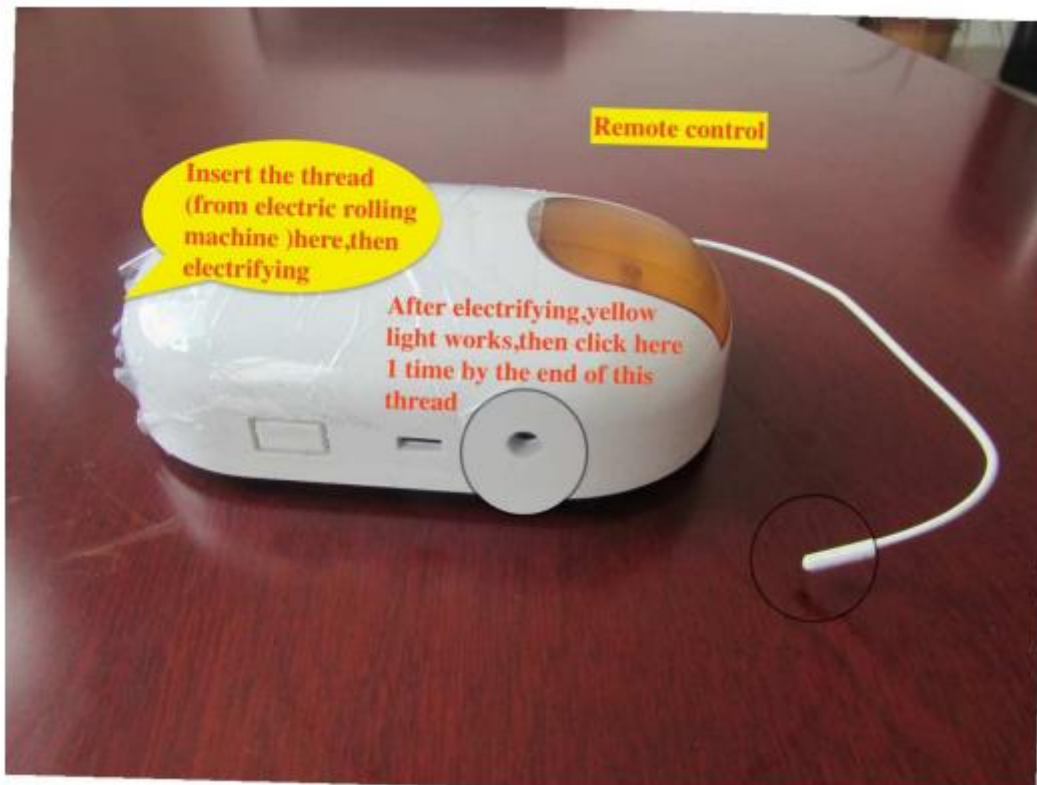
Pay Attention To:

Power phase sequence of single-phase rolling door machine is not reversed, when up order turns down, should shut it down and adjust the phase, then use it.

Make the door curtain up from the ground about 1M,
try on the three button(up,stop down).Observe whether the
door's function of rise stop down is sensitive and reliable
.If everything is OK,then began debugging.



Push this clip to loosen the limit slide nuts,
run up and down the door to position you
want,then adjust the limit slide nut till they
touch the micro switch and hear the ticking,
Repeated debugging till door to the best position.





Remote Control Installation Steps

1. To ensure safety please turn off the total power switch before installation.
2. Check whether the rolling machine works up, stop, down.
3. Please connect the wire according to the wiring diagram, make it correct and firm.
4. Fix the host of remote control, adjust the antenna to the best location and keep the antenna straightened, not covered or touched by metal. Installation location should avoid sunlight, rain and not easy to vibrate.

Troubleshooting

1. Remote control assembly is completed, the transmitter cannot work, may be:
 - a. Wrong connection of wire, or poor wire contact, please check the lead wire connection is correct and firm.
 - b. Power of transmitter battery is not enough, please replace the battery.
 - c. Remote control and transmitter doesn't match, please rematch.
2. If the distance between transmitter and remote control is too close, please check whether the installation location of the host is covered by metal or direction of antenna direction is not suitable.
3. After a period of use, if the indicator light of transmitter is not bright, may be due to the poor battery contact, please re adjust the battery position.
4. If the door only go up or down by transmitter, please check whether the line connection is correct and firm.