

Owner's Manual & Assembly Guide

Series: 40-20R

Single Trussed

Model 408020R Size: W12.2mxL24mxH6.1m

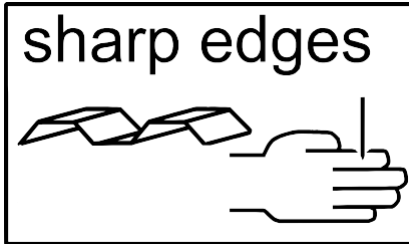


*** See Inside for Detailed Safety Information.**

*Gloves must be worn
at all times to reduce risk of injury!*

SAFETY & MAINTENANCE

Safety precautions *MUST* be followed at all times throughout the construction of your building!



Care must be taken when handling various pieces of your building since many contain sharp edges. Please wear work gloves, eye protection and long sleeves when assembling or performing any maintenance on your building.

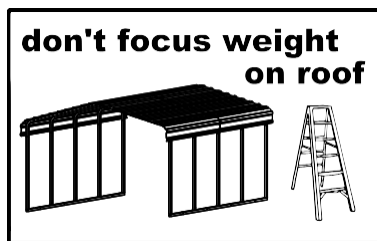


Practice caution with the tools being used in the assembly of this building. Be especially familiar with the operation of all power tools.



Do NOT attempt to assemble your building on a windy day. The large panels can catch the wind like a "sail", causing them to be whipped around making construction difficult and unsafe.

Do NOT attempt to assemble your building before double checking that you have all the parts indicated on the parts list as well as all hardware. Any building left partially assembled may be seriously damaged by even light winds.



NEVER concentrate your weight on the roof of the building. When using a step ladder make sure that it is fully open and on even ground before climbing on it.



Keep children and pets away from the worksite during construction and until the building is completely assembled. This will help avoid distractions and any accidents which may occur.

IMPORTANT NOTE ON ANCHORING

- Your building **MUST** be anchored to prevent wind damage. See anchoring page for more info.
- You must also have a temporary anchoring system in place in case you need to take a break from assembly.

Exterior Care:

For a long lasting finish, clean and wax the exterior surface. We recommend washing with a mild soap solution. DO NOT use power washing to clean your shed. Using a spray automotive type wax periodically on the exterior is highly recommended if you are in a high humidity or coastal climate region.

Combustibles and corrosives must be stored in air tight containers designed for chemical and/or combustible storage. Corrosive chemicals such as fertilizers, pesticides and herbicides should be cleaned off the interior and exterior surfaces immediately. Rust caused by chemical damage is not covered by the warranty.

Rust protection precautions may help to stop rust from developing, or stop it quickly as soon as it appears.

- Avoid nicking or scraping the coating surface, inside and out.
- Keep roof and base perimeter free of debris and leaves which may accumulate and retain moisture. These can do double damage since they give off acid as they decay.
- Touch up scrapes or nicks and any area of visible rust as soon as possible. Make sure the surface is free of moisture, oils, dirt or grime and then apply an even film of high quality touch-up paint.
- Various paint manufacturers provide products for rust treatment and coverage. If surface rust does appear on your shed we recommend treating those areas as soon as possible, following the paint supplier of your choice instructions.
- Our customer service department can provide the paint tinting formula for matching the color of your shed.
- **Roof:** Keep the roof clear of leaves and snow. Heavy amounts of snow on the roof can damage the building making it unsafe to enter.

Fasteners: Regularly check fasteners and retighten as necessary.

General: Wash off inked part numbers on coated panels with soap and water.

Please note, Manufacturer cannot be held responsible for any consequences due to buildings that are not installed per these instructions, or for damage due to weather conditions or acts of God.

Keep these assembly instructions and owner's manual for future reference.

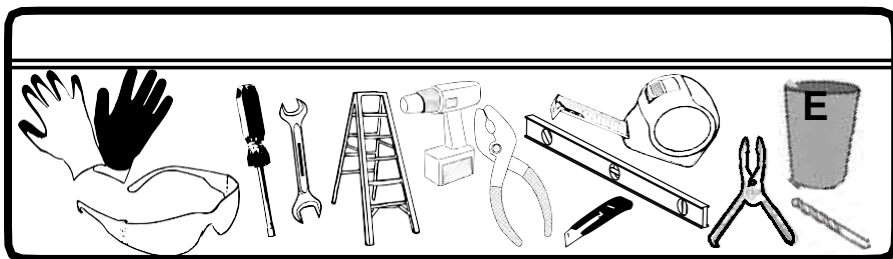
ASSEMBLY TIPS & TOOLS

Watch the Weather Closely: Be sure the day you choose to install your building is dry and calm. Do **NOT** attempt to assemble your building on a windy day. Be careful on wet or muddy ground.

Use Teamwork: Two or more people are required to assemble your building. One person can hold the parts or panels in place while the other person fastens them together and handles the tools. This makes the process of assembling your building faster and safer.

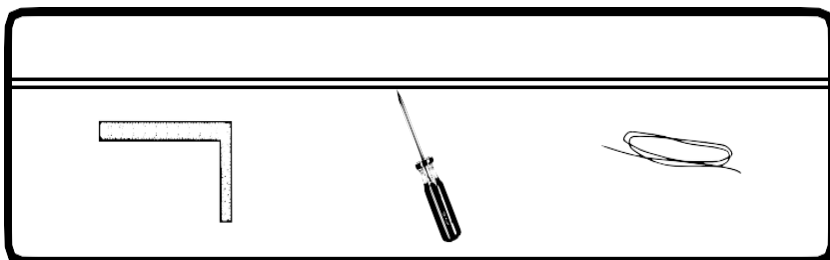
Tools and Materials: Here is a list of some basic tools and materials you will need to assemble your building. Decide which method of anchoring and the type of base you will use to make a complete list of the materials you will need.

WHAT YOU NEED



- Work Gloves
- Safety Glasses
- Nut Driver or Wrench
- Step Ladder 8'
- Power Drill (Cordless, Variable Speed)
- Pliers
- Utility Knife or Scissors
- Carpenter's Level
- Tape Measure
- Clamp
- Grout (Asphalt Base)
- 7/8" x 13" Masonry Bit (Asphalt Base)
- 1/2" x 8" Masonry Bit (Concrete Base)

RECOMMENDED TIME SAVERS



- Square
- String (for squaring the frame)
- Awl (to align holes)

How to Select and Prepare Your Building Site: Before you start to assemble your building, you will want to decide on a good location. The best location is a level area with good drainage.

- Allow enough working space so it is not difficult to move parts into position for assembly. Also, there needs to be enough space outside the building to be able to fasten the panel screws from the outside.
- Before assembling any parts, your base should be constructed and an anchoring system should be ready to use.

**PLEASE READ AND UNDERSTAND INSTRUCTIONS COMPLETELY
BEFORE ASSEMBLY.**

LAY OUT FRAME PARTS AS BELOW:

W40'H20'ROUND Series		408020R 2M Arch Spacing
Part Code	Description	QTY
1	Roof Bent Tube	13
A1	Clip for Lacing Front Cover	2
2	Upper Bent Tube	26
3	Sidewall Tube	26
4	Lower Bent Tube	26
5	Purlin	84
5A	Support Tube for Roof Frame	16
6	Base Plate for Corners	4
7	Base Plate for Sidewall	22
7A	Ratchet	26
8	Base Plate for Front and Back Door	4
9	Side Base Plate for Front and Back Door	4
10	Lower Standing Leg on Front and Back Door	8
11	Upper Standing Leg on Front and Back Door	4
11A	Side Upper Standing Leg on Front and Back Door	4
12	Beam on Front and Back Door	4 / 2 Groups
12A	Vertical Support Tube on Front and Back Door	2
13	Connecting Tube on Front and Back Door	4
13A	Side Connecting Tube on Front and Back door	4
14	Base Tension Tube on Both Doors	4
14A	Side Base Tension Tube on Both Doors	4
15	Angel Seat on Front and Back Door	12
15A	Angel Seat for No.12A	2
16	Steel Wire for Sidewall	20
17	Triangle Steel Plates	10
17A	Clamps	32
18	Carriage Bolt M12*110mm	99
19	Carriage Bolt M10*90mm	248
20	Bolt M10*30mm	12
21	Bolt M10*60mm	4
22	Nylon Tension Band	26
23	Plastic Plug	20
24	Rope	1

25	Expansion Screw	94
26	Both End Wall Weight Pipe	4 / 2 Groups
27	Tension Tube for Roof Cover	20 / 2 Groups
28	Roof Cover	1
29	Front and Back Cover	2
30	Bungee	4
31	PPR Tube ϕ 32	40m / 2 Groups
31A	Small Tensioner with Straps	28

WARNING

SAFETY TIPS

Always wear proper safety equipment such as safety glasses and gloves

THINK SAFETY, EVERYDAY!

IMPORTANT----READ MANUAL FIRST

Improper site preparation, assembly and maintenance may invalidate warranty and cause unnecessary and costly mistakes. If you have any questions contact your local dealer.

For User Friendly assembly we have identified each individual component with the part code as indicated in the parts list. Please refer to the part code numbers and drawing to ensure problem free assembly.

It's necessary to tighten the roof fabric enough to avoid "hammocks" on the roof and also re-tighten once or twice again after a few months of use. This is important when assembly in cold weather (autumn and winter) because the fabric is stiff then and when we got the sun and warm weather afterwards it will make the fabric "slack" again and need to be re-tighten before next winter.

It's **the owners responsibility** to take of snow immediately if not slide of by itself.

READ ALL INSTRUCTIONS BEFORE ASSEMBLY

1. Keep work area clean. Cluttered areas invite injuries. Do not set up near snow drifts, in slippery places, in high winds, or wet location.
2. Keep children away. All children should be kept away from the work area. Be aware of personal safety. Be careful not to pinch fingers with clips and tubes when assembling; when using makes sure there is adequate ventilation for exhaust and other dangerous fumes.
3. Do not over reach. Keep proper footing and balance at all times.
4. Do not assemble if under the influence of alcohol or drugs. Read warning labels on prescription to determine if your judgment or reflexes are impaired while taking drugs. If there is any doubt, do not assemble.
5. Be aware of possible windy conditions; fasten the base in concrete if these situations may occur. Remove the cover during hurricane.
6. Be careful with power and heat sources. Do not keep heat sources near the tarpaulin. Do not expose to open flame.
7. Be aware of personal safety during assembly and use. Be careful not to pinch fingers with clips and tubes when assembling; when using makes sure there is adequate ventilation for exhaust and other dangerous fumes.

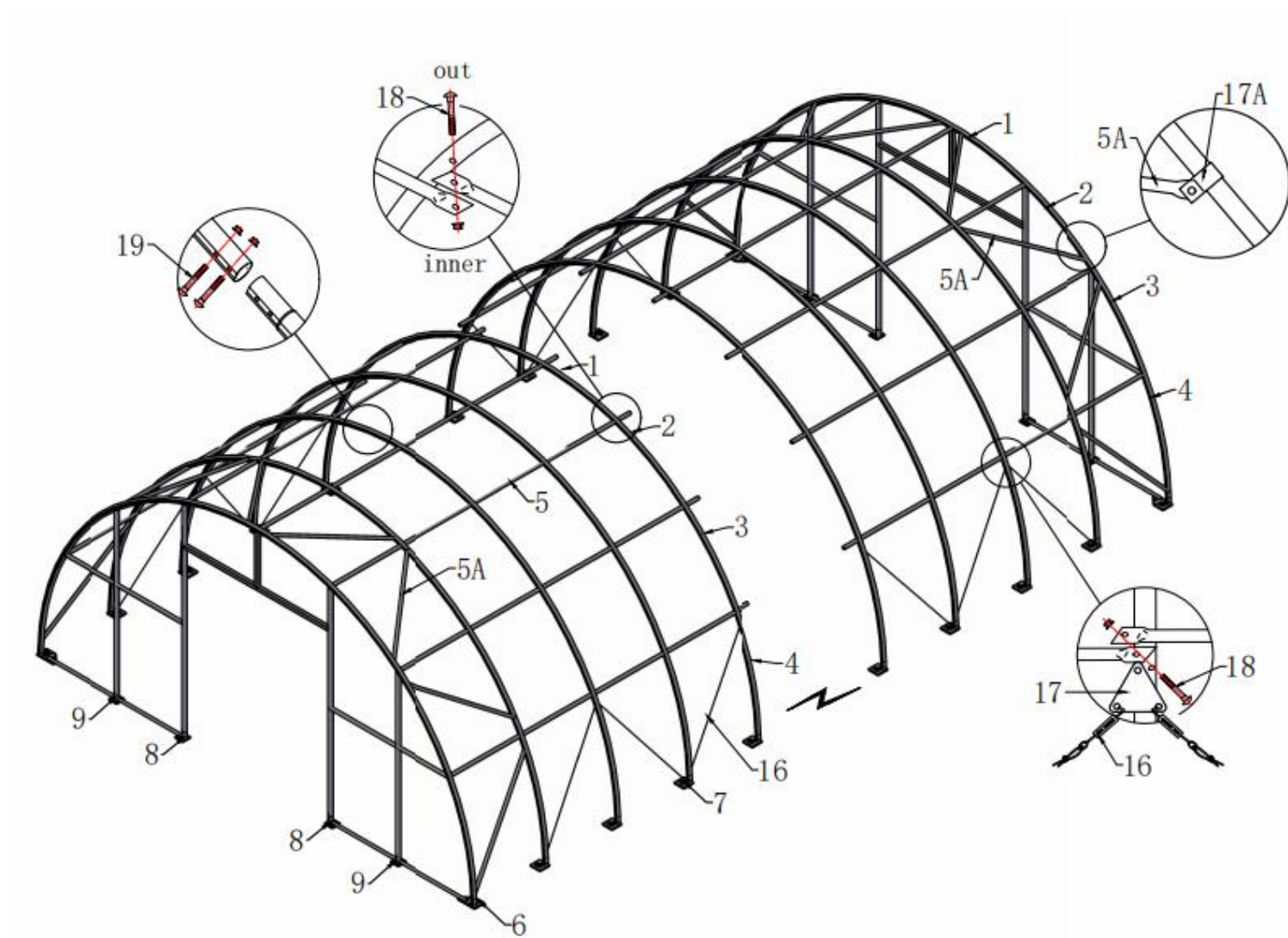


Figure 1 Frame Sketch

SPECIFICATION

Width: 12.2m Length: 24m Height: 6.1m

INSTALLATION PROCESS

A---BASE INSTALLATION

Please refer to the diagram (Figure 2) to place the base plates:

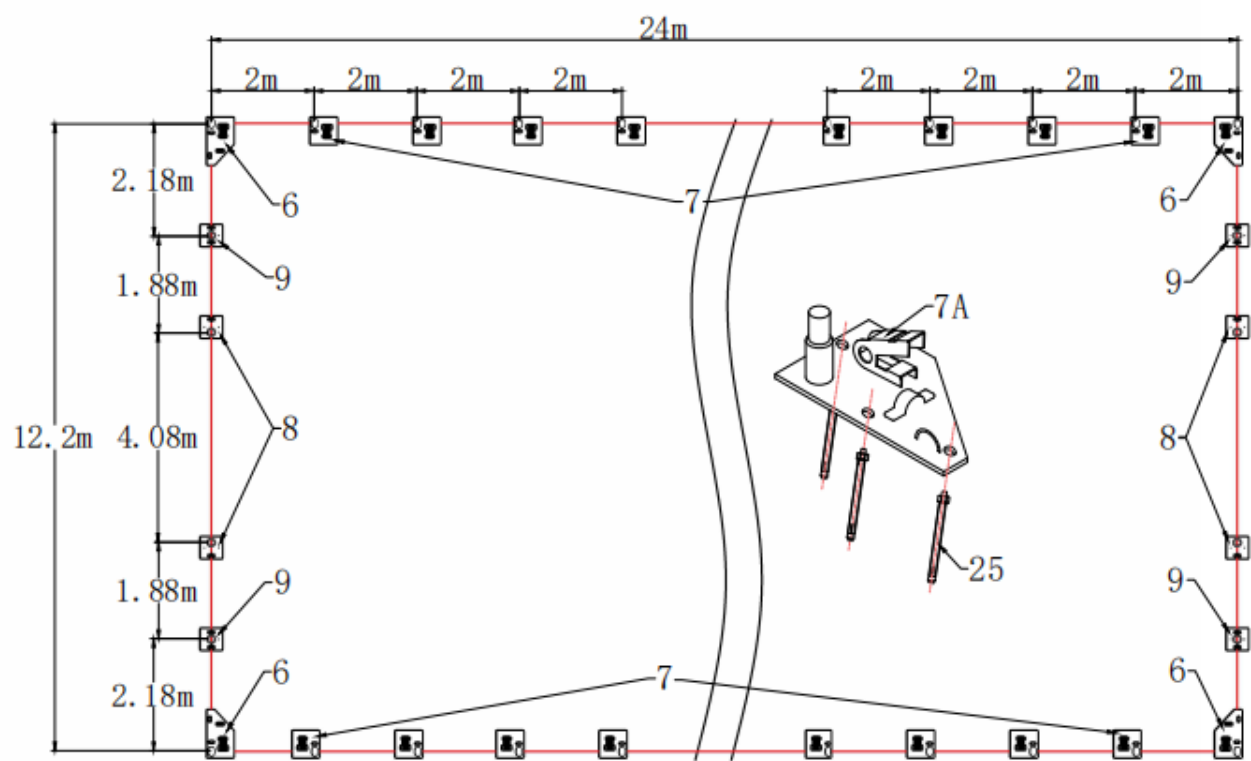


Figure 2

Please make sure the right spacing before assembly.

1. The measurement is from center to center of tubes on the base plates. Referring to the above diagram and confirm the place of base plates. Ensure that the foundation is square.

2. As Figure 2 shows, base plate (No.6,7) is equipped with 3 pieces of expansion screw (No.25) and base plate (NO.8,9) is equipped with 2 pieces of expansion screw (No.25).

Note: The expansion screw are suitable for the rock ground, frozen soil and concrete ground.

B---FRAME INSTALLATION

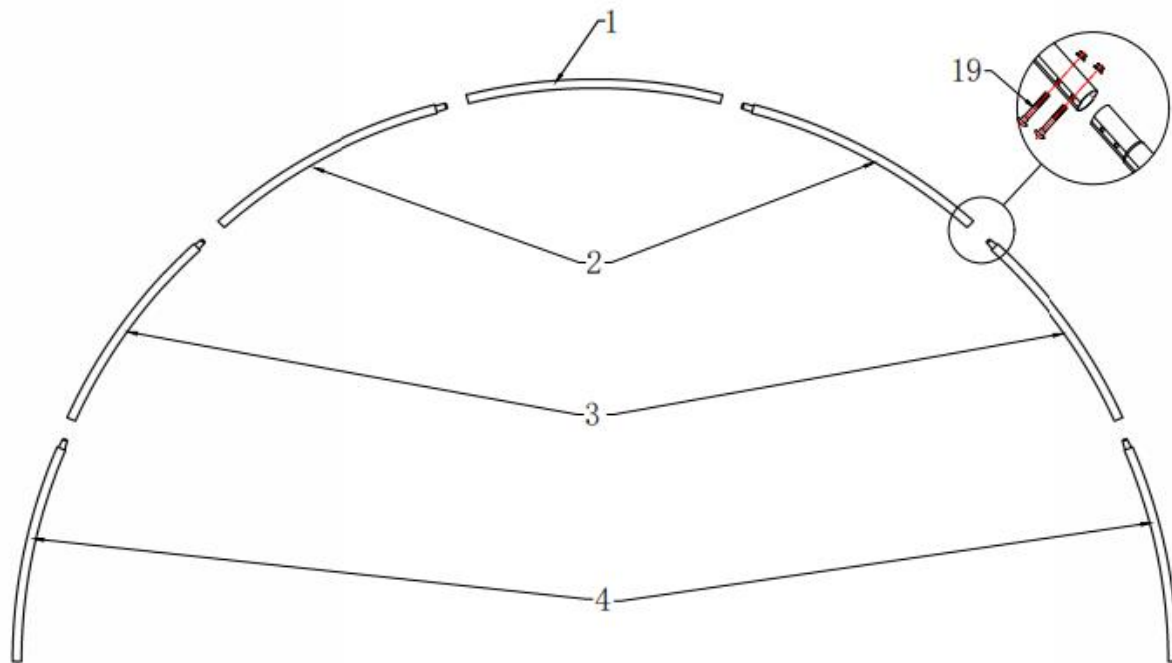


Figure 3

1. (Part No. 1*1+No.2*2+No.3*2+No.4*2) as Figure 3 and Figure 4 shown to find one piece of roof bent tube (No.1), two pieces of upper bent tube (No. 2), two pieces of sidewall tube (No.3), two pieces of lower bent tube (No. 4) . Connect them by using carriage bolt 10*90mm (No. 19), which makes the first group of front door arch frame. Put the first group of arch frame into the base plates.

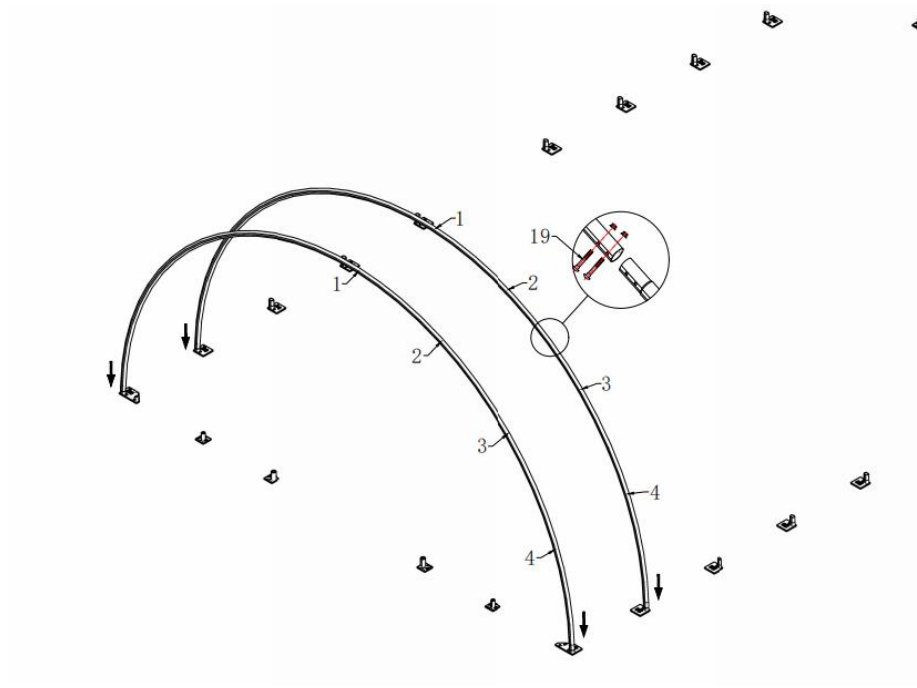


Figure 4

2. Put the second group of arch frame into the base plates like the figure 4 shows. Use purlins (No.5) to connect them by carriage bolt M12x110(No.18) and triangle steel plates (No.17), put the steel wire (No. 16) between two sidewall arches, and use clamps to fix the support tube (No. 5A) on the roof frame, then install the third arch into the base plate and connect the purlins. In this turn to fix all other arches and purlins as Figure 5 shown until the frame is completed.

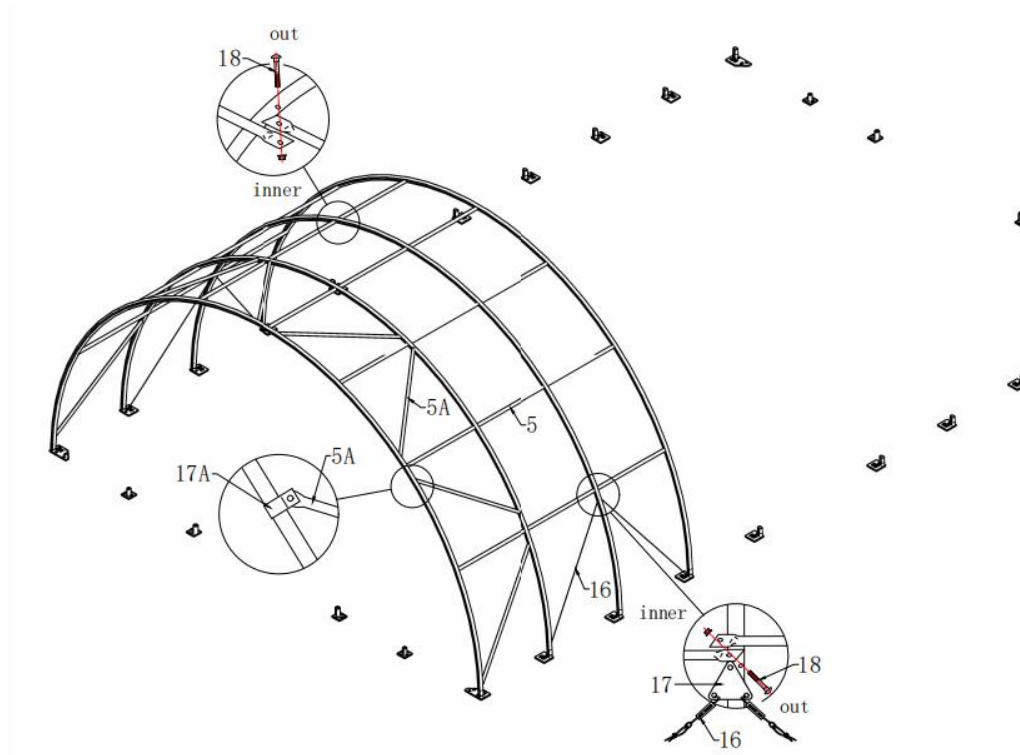


Figure 5

C---INSTALLING FRONT AND BACK COVER

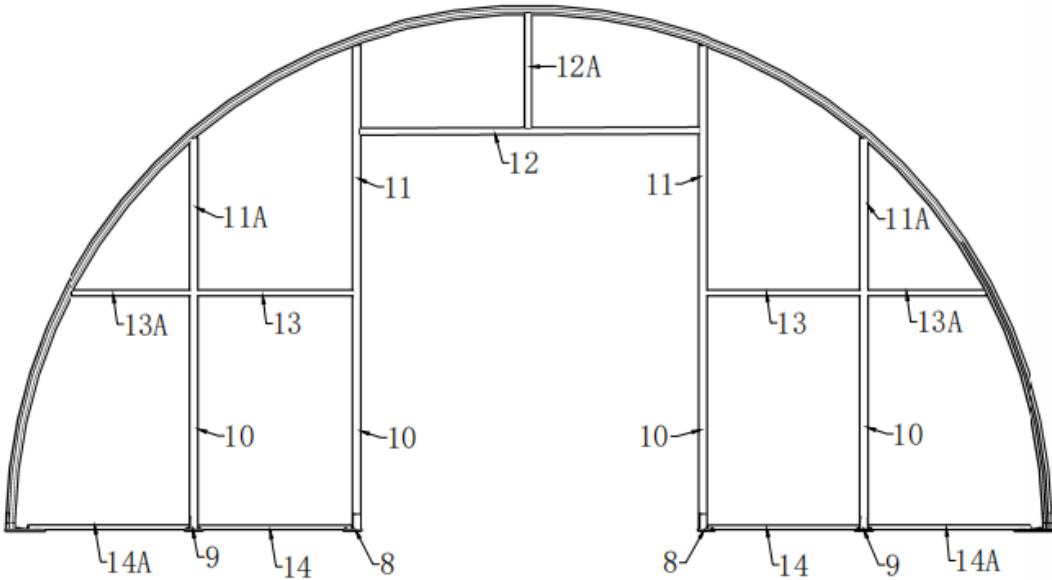


Figure 6

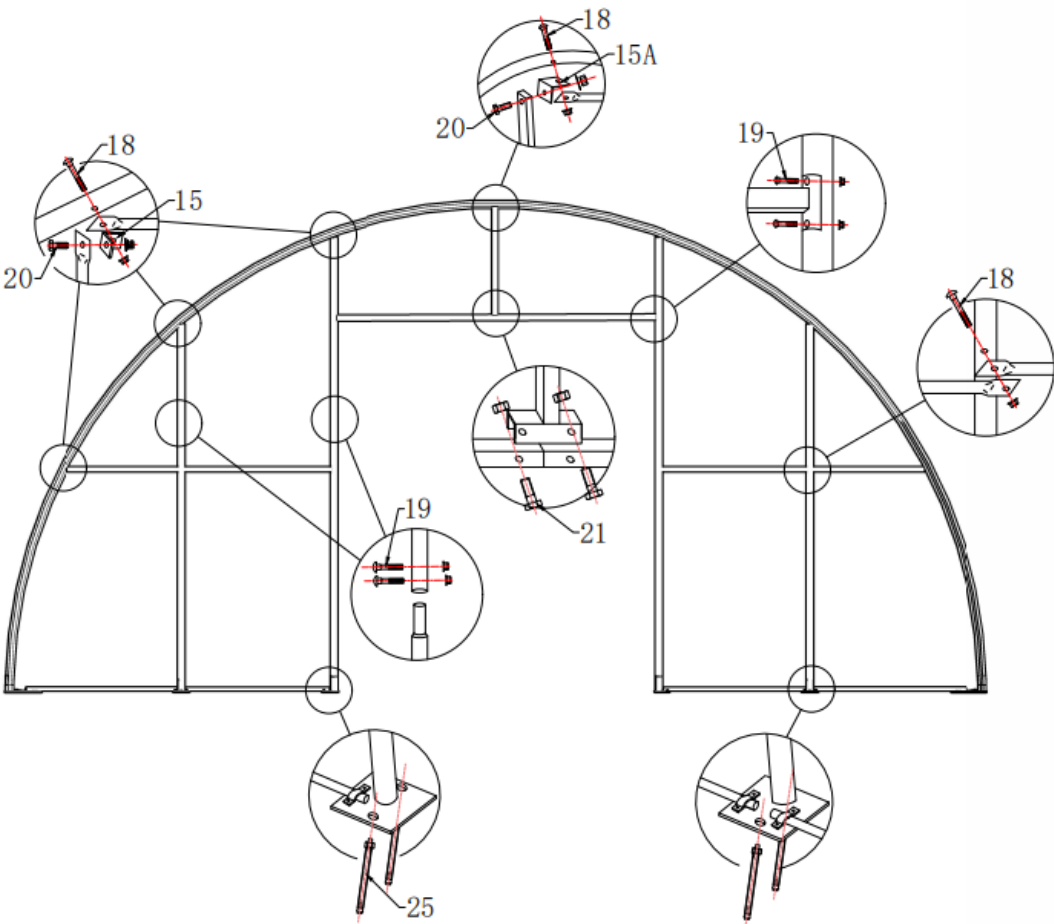


Figure 7

1. Please install the front and back door frame according to the above drawing (Figure 6, 7 & 8). Find corresponding bolts and tubes to connect each other.

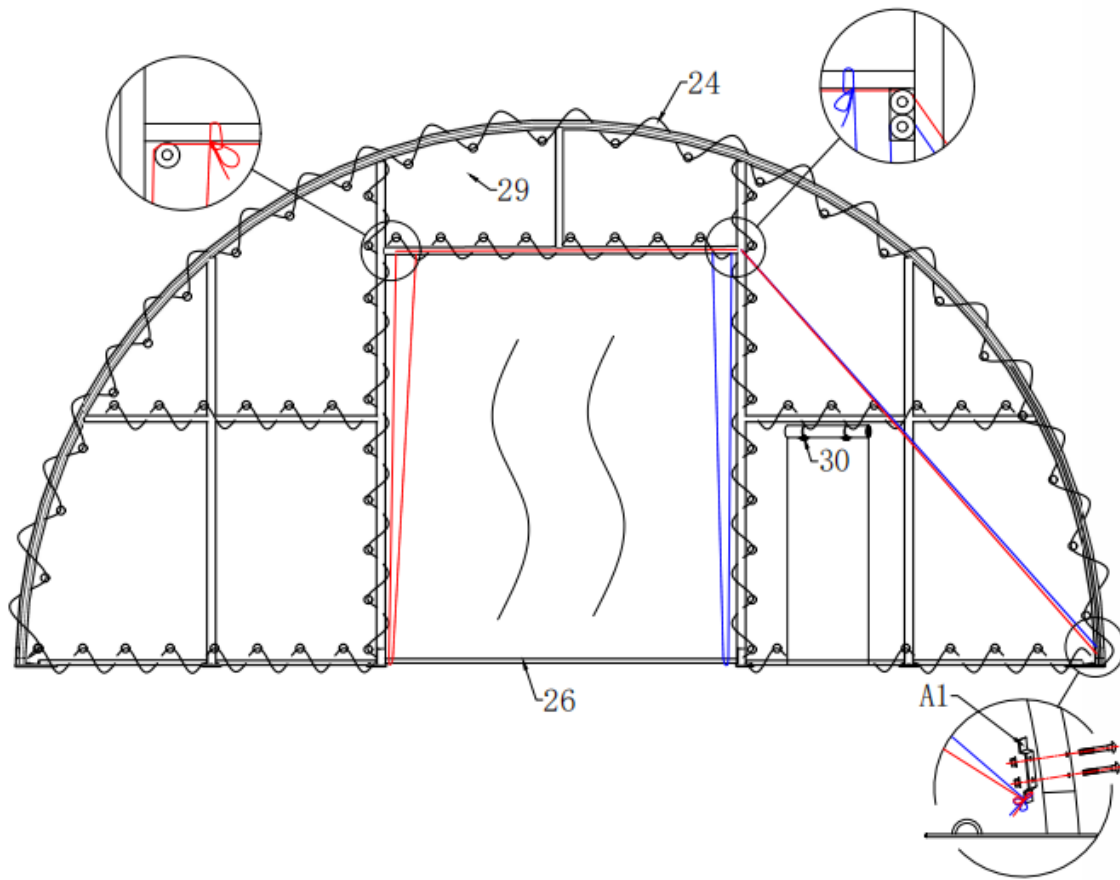


Figure 8

2. Please use rope to tie the cover for front and back door frame. (Figure 8).

D--- INSTALLING THE ROOF COVER

NOTE: Do not install the cover onto the frame of your building in high wind conditions.

1. Spread the cover (No.28) and lay parallel to one side of the frame.
2. Insert the tensioning tube (No.27) into one side of roof cover only. Then place the plastic plug (No.23) on each end of tubes.

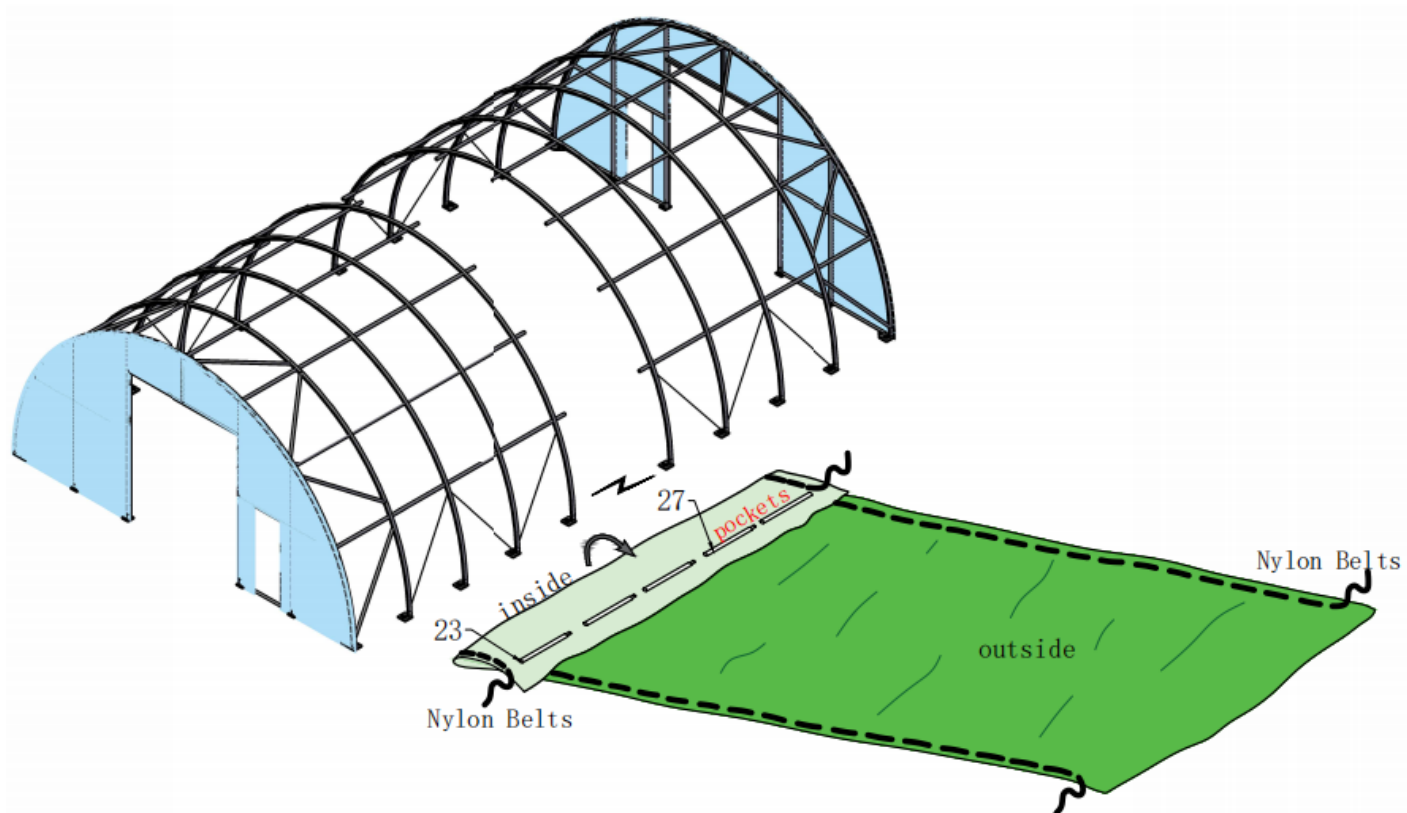


Figure 9

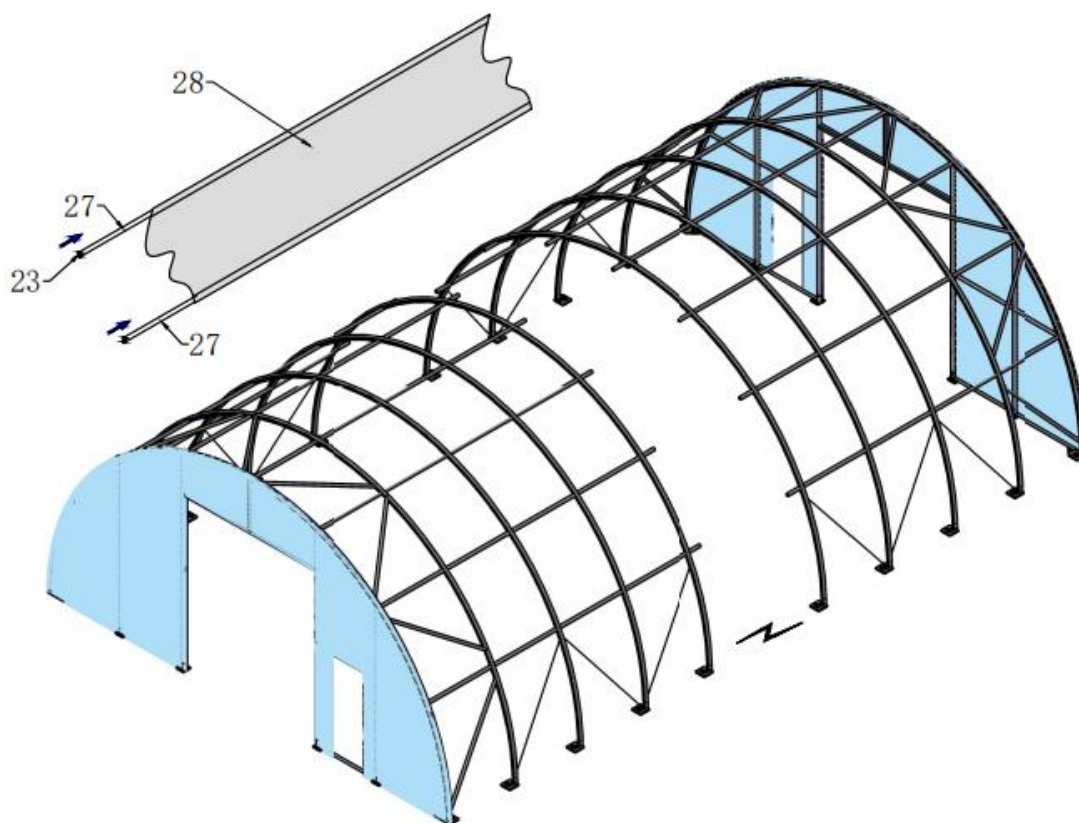


Figure 10

3. Attach the ropes (No.24) and throw over the frame. Then pull the roof cover **EVENLY, CAREFULLY AND SLOWLY**.

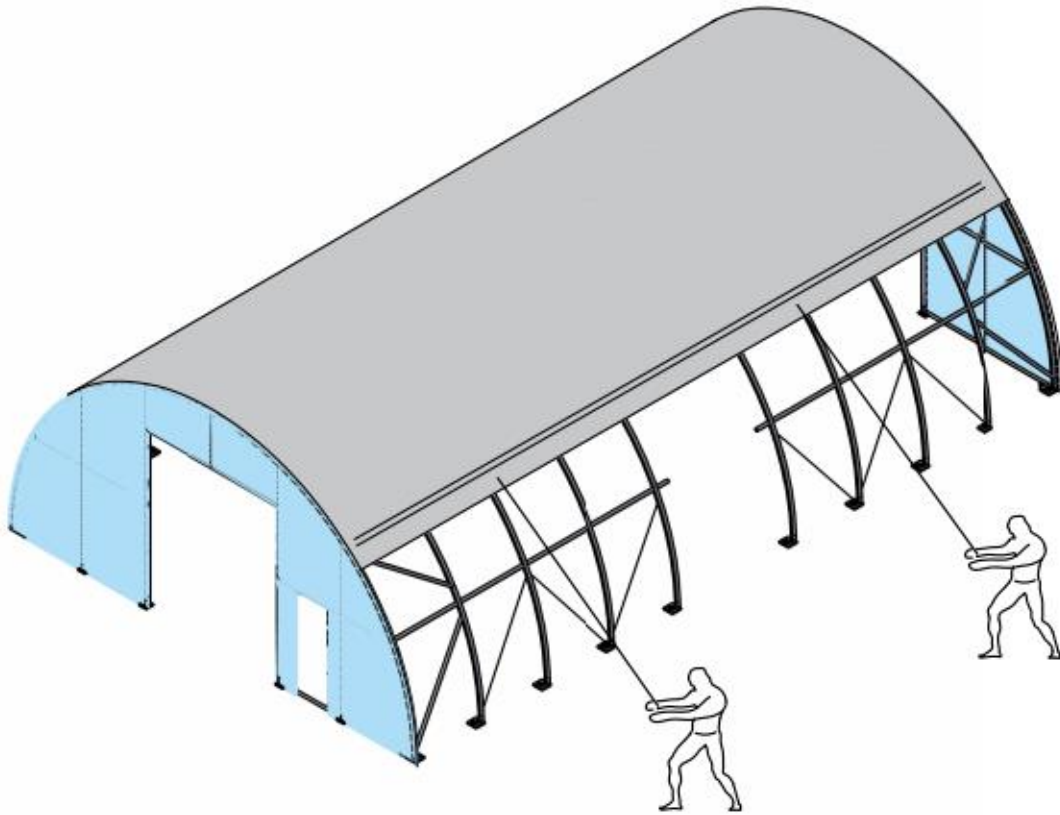


Figure 11

WARNING: Serious injury to persons or property could result if cover is installed and shelter is not completed and is left unattended. Shelter must be securely anchored until completed.

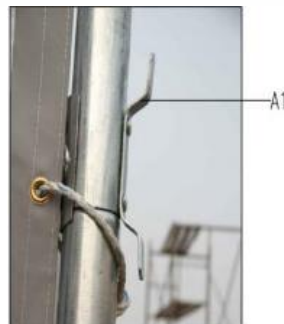
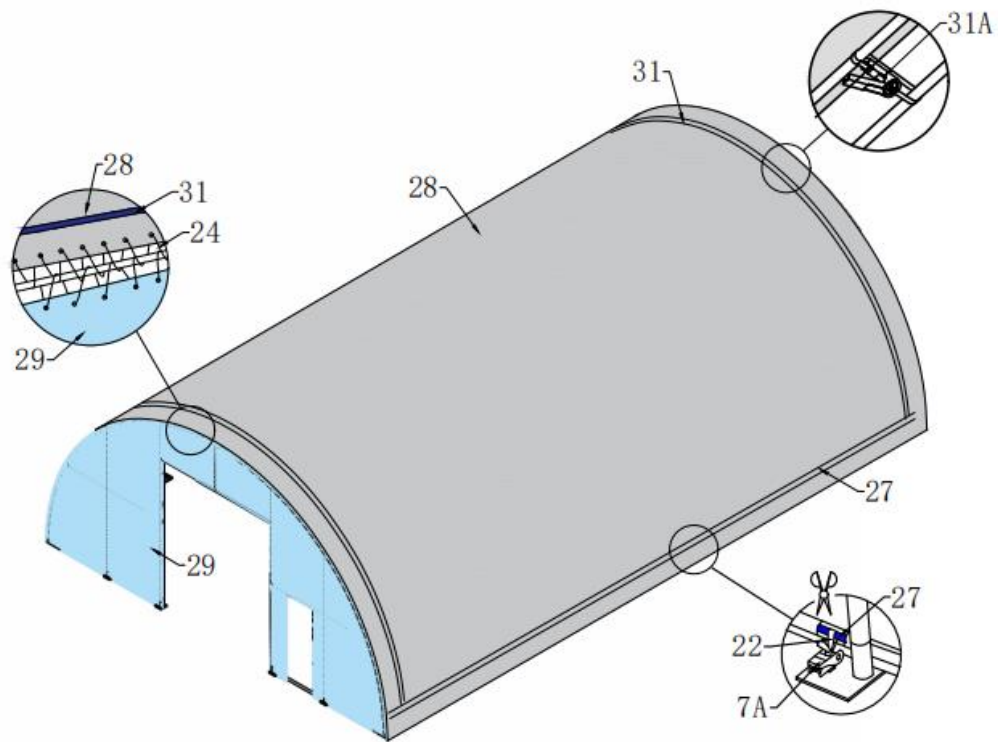


Figure 12

4. Cut pockets just above the ratchet (No.7A), let the tensioning tube (No.27) come out, use the nylon tension band (No.22) to tie the tube onto the ratchet, thus adjust the ratchet could fasten the roof cover.

Note: The end flaps must overhang evenly at both ends.

With the end flaps flipped back and out of the way, use the supplied rope to tighten the roof cover to the end arches. The rope should be cut as your requirements when using. The recommended procedure is to use separate pieces of rope and start by first lacing the cover from the bottom edges up to the top center. Secure the ropes at the top center and tent apply tension as you lace down both sides. Fasten the rope at the bottom edge. Put the band (No.22) onto the tubes where the notches are. Pull the nylon band through the reels of winches. Drive the ratchet tie down forth and back, and then the roof cover is tightened.

NOW THE INSTALLATION IS FINISHED, PLEASE ASJUST THE BASE PLATES EVERY MONTH.

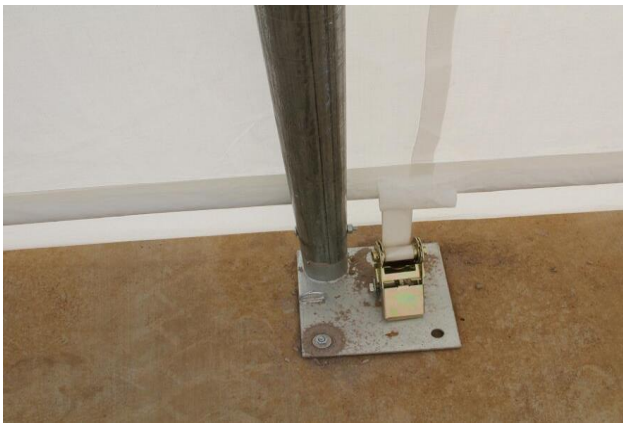
Please check the below installation detailed pictures:



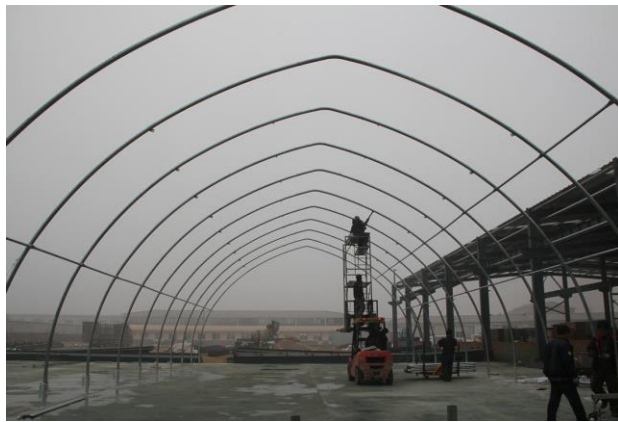
(A)



(B)



(C)



(D)



(E)



(F)

NOTE: DO NOT LEAVE THE ROOF COVER UNATTACHED UNDER ANY CIRCUMSTANCES until the final assembly and tightening has been completed.

The process is quite easy. But some tightening adjustments will be necessary to produce a flat, tensioned roof cover. Please adjust the roof cover every month.

Please Note:



Please use the tape wrapped around the gap between the steel skeleton after installing.