

# Owner's Manual & Assembly Guide

**Model No. C604020S**  
**L60' x W40' x H20'**

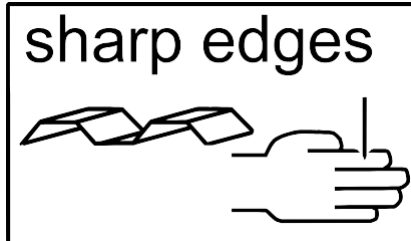


**\* See Inside for Detailed Safety Information.**

*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.

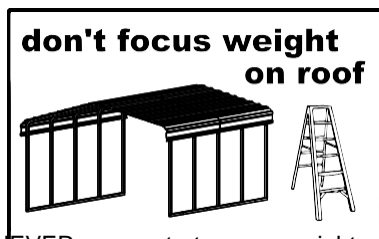


Practice caution with the tools being used in the assembly of this building. Be especially familiar with the operation of all power tools.

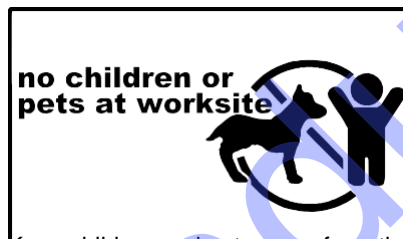


Do NOT attempt to assemble your building on a windy day. The large panels can catch the wind like a "sail", causing them to be whipped around making construction difficult and unsafe.

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.**

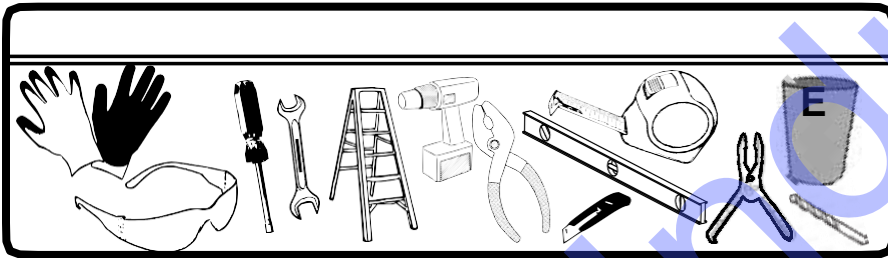
# ASSEMBLY TIPS & TOOLS

**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.

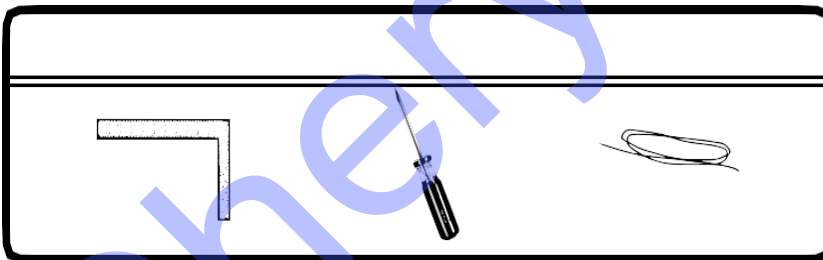
**Tools and Materials:** Here is a list of some basic tools and materials you will need to assemble your building. Decide which method of anchoring and the type of base you will use to make a complete list of the materials you will need.

## 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:**

| <b>Part Code</b> | <b>Description—3m Arch spacing</b>                  | <b>QTY</b>  |
|------------------|---|-------------|
| 1                | Top Bent Tube                                       | 5           |
| 2                | Upper Bent Tube                                     | 10          |
| 3                | Lower Bent Tube                                     | 10          |
| 4                | Bottom Bent Tube                                    | 10          |
| 5                | Purlin  | 44          |
| 6                | Diagonal Brace                                      | 24          |
| 6A               | Top Longitudinal Wire Rope                          | 5           |
| 6B               | Top Arc Support                                     | 16          |
| 7                | Clip  | 100 sets    |
| 8LA              | Left Base Plate for Corners                         | 2           |
| 8L               | Left Base Plate for Inner Arch Tube                 | 3           |
| 8RA              | Right Base Plate for Corners                        | 2           |
| 8R               | Right Base Plate for Inner Arch Tube                | 3           |
| 9                | Ratchet   | 14          |
| 10               | Nylon Strap for Ratchet                             | 10          |
| 11               | Lower Tension Tube for Roof Cover                   | 10/2 groups |
| 12               | Bolt M12*40   | 170 sets    |
| 12A              | Tool  | 2           |
| 13               | Carriage Bolt M10*90                                | 55 sets     |
| 14               | Roof Cover  | 1           |
| 15               | Rope  | 1           |
| 16               | Plastic Plug  | 12          |
| 17               | Base plate for tie the roof cover                   | 4           |
| 18               | Standing Leg  | 10          |
| 19LA             | Left Base Plate for Corners for Left Standing Leg   | 2           |
| 19L              | Base Plate for Left Standing Leg                    | 3           |
| 19RA             | Right Base Plate for Corners for Right Standing Leg | 2           |
| 19R              | Base Plate for Right Standing Leg                   | 3           |
| 20               | Carriage Bolt M8*80                                 | 24 sets     |

|    |                                 |             |
|----|---------------------------------|-------------|
| 21 | Ratchet for Tension Front Cover | 6           |
| 22 | Tensioning Tube for Front Tube  | 4           |
| 23 | Front Cover                     | 2           |
| 24 | PPR Tube                        | 16/2 groups |
| 25 | Angle Plate for Base Plate      | 10          |
| 26 | Small Ratchet with Tension Band | 34          |



## SAFETY TIPS

Always wear proper safety equipment such as safety glasses and gloves

# THINK SAFETY, EVERYDAY!

## SPECIFICATION

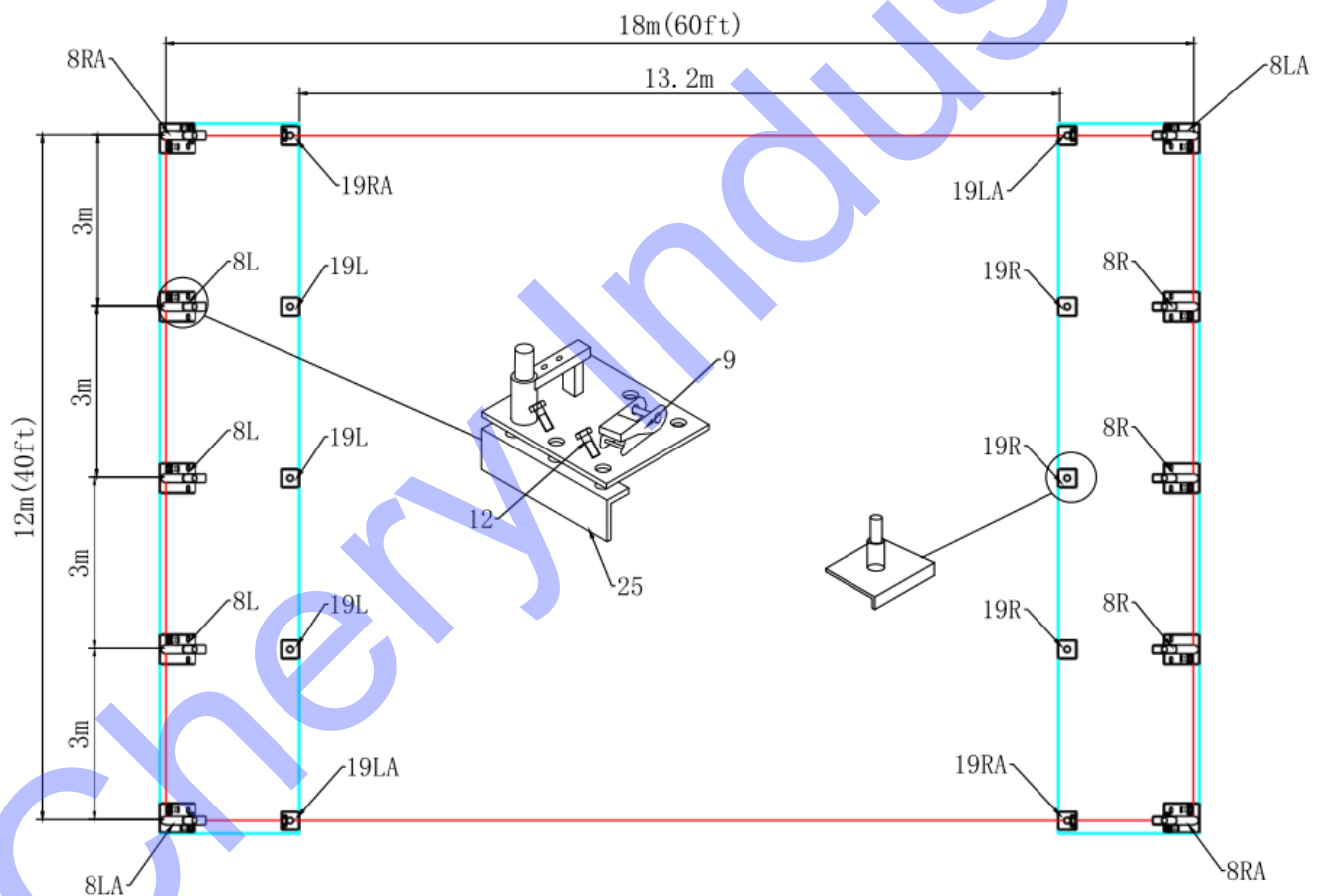
Width: 18m Length: 12m Height: 6.1m

## 1. PLOTTING THE FRAME:

Before building your shelter, you should choose a flat area on your property and plot your shelter.

- A. Stake out the area for the shelter in the desired spot. The width of the area should be at least equal to the width of the shelter and the length should be equal to the length of the shelter.
- B. Measure diagonally from centre to centre of the tubes. These measurements should be the same. If they are not equal the stakes need to be adjusted until the width, length and inside measurements are correct.

## 2. FOUNDATION PLACEMENT



**Figure 1**

2.1 The measure if from center to center of the tubes. Referring to the above diagram and confirm the place of the base plates. ENSURE THAT THE FOUNDATIONS IS SQUARE.

2.2 All the base plates need to use welder to be welded on the containers.

### 3. FRAME INSTALLATION

3.1 As Figure 2 shown to connect Top bent tube(NO.1) ,Middle bent tube(NO.2), Sidewall bent tube(NO.3) by using Bolt (NO.12), which makes one group of arches.

3.2 As Figure 3 shown to connect standing leg(NO.18)with clip(NO.7) and Bolt (NO.20).

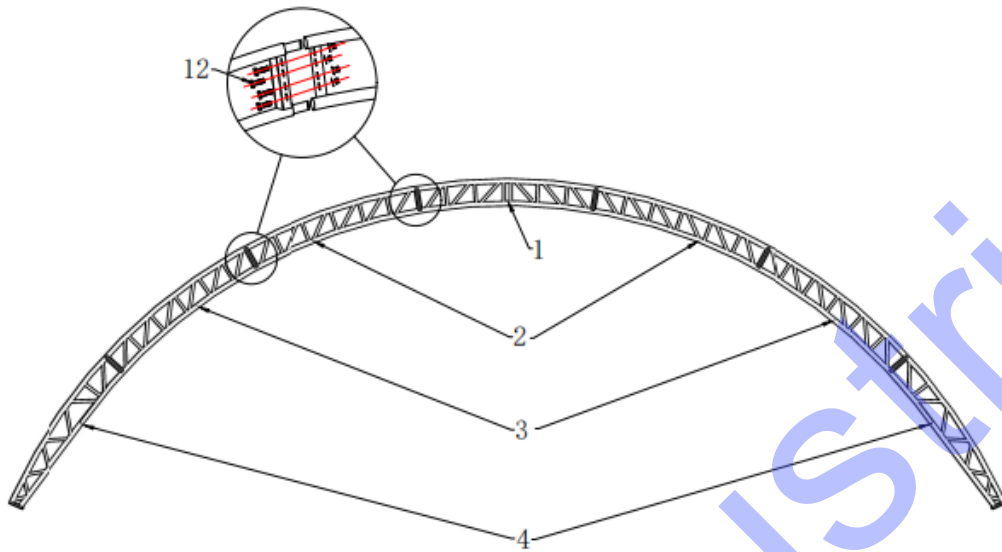


Figure 2

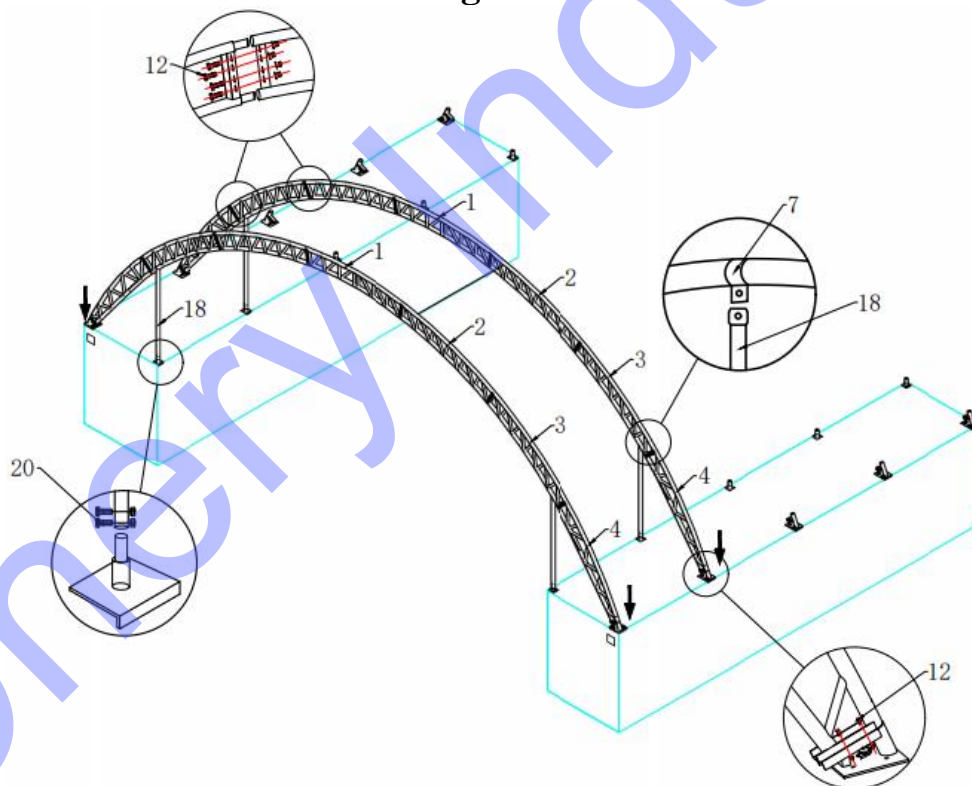
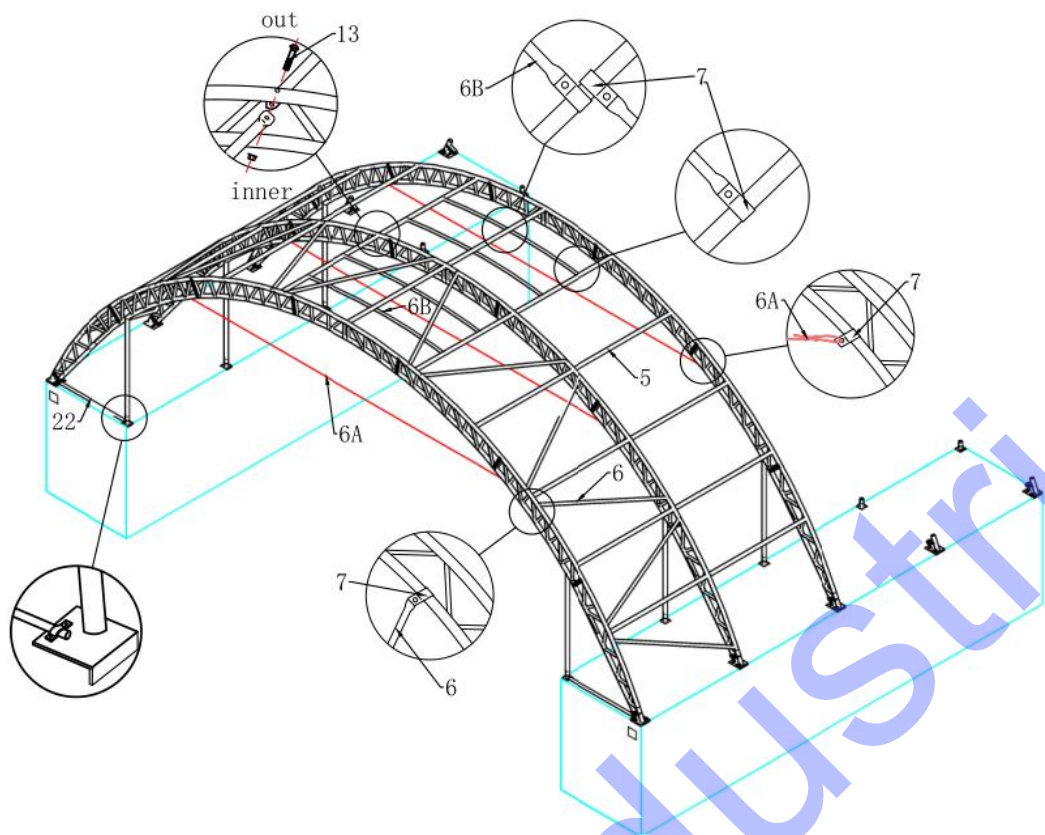


Figure 3

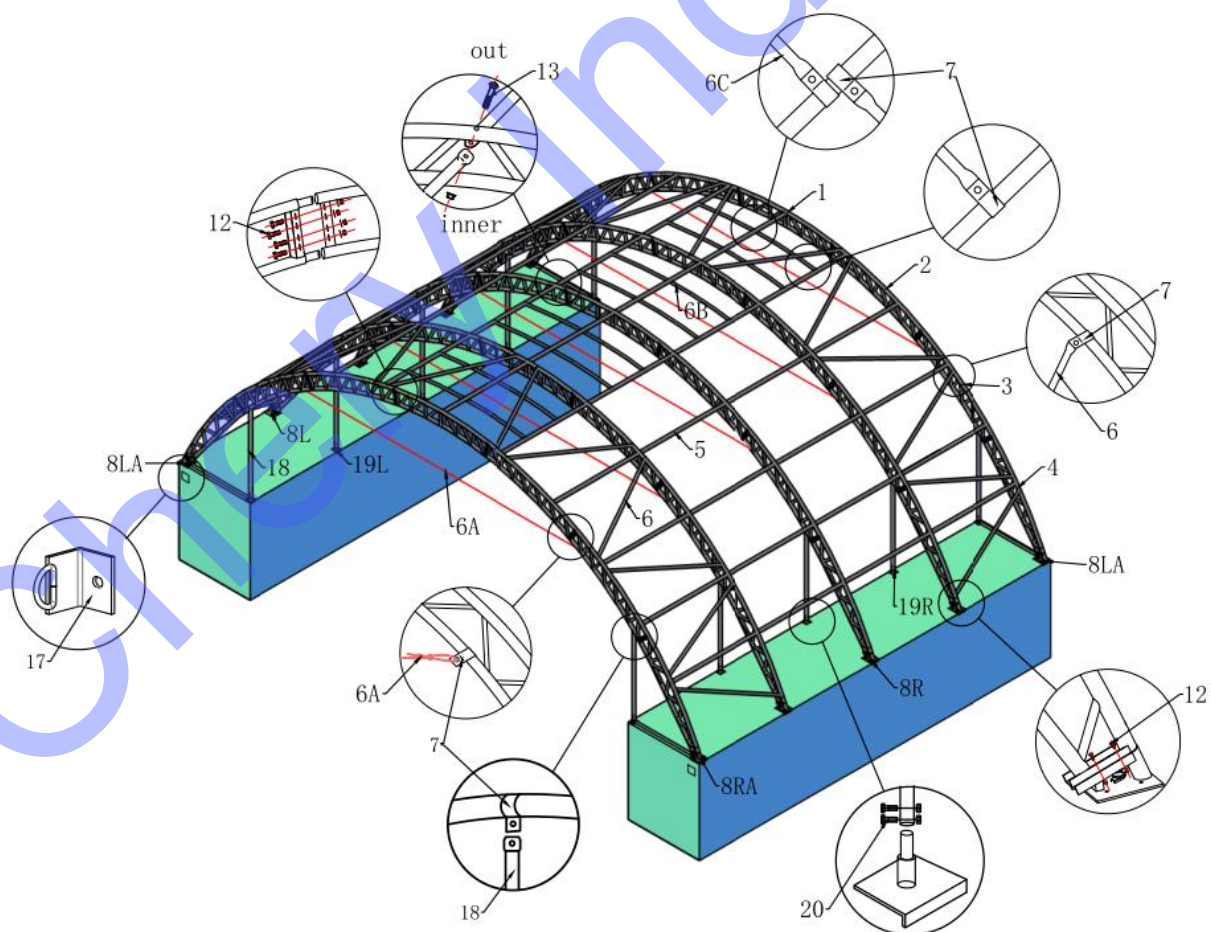
3.3 After finish installing the first two arches, connect the Connection purlin NO.5 and Diagonal Support tube(NO.6A)on them by using Bolt10\*80mm(NO.13). Then install the third arch into base plate and connect other purlins.

**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 4**



**Figure 5**



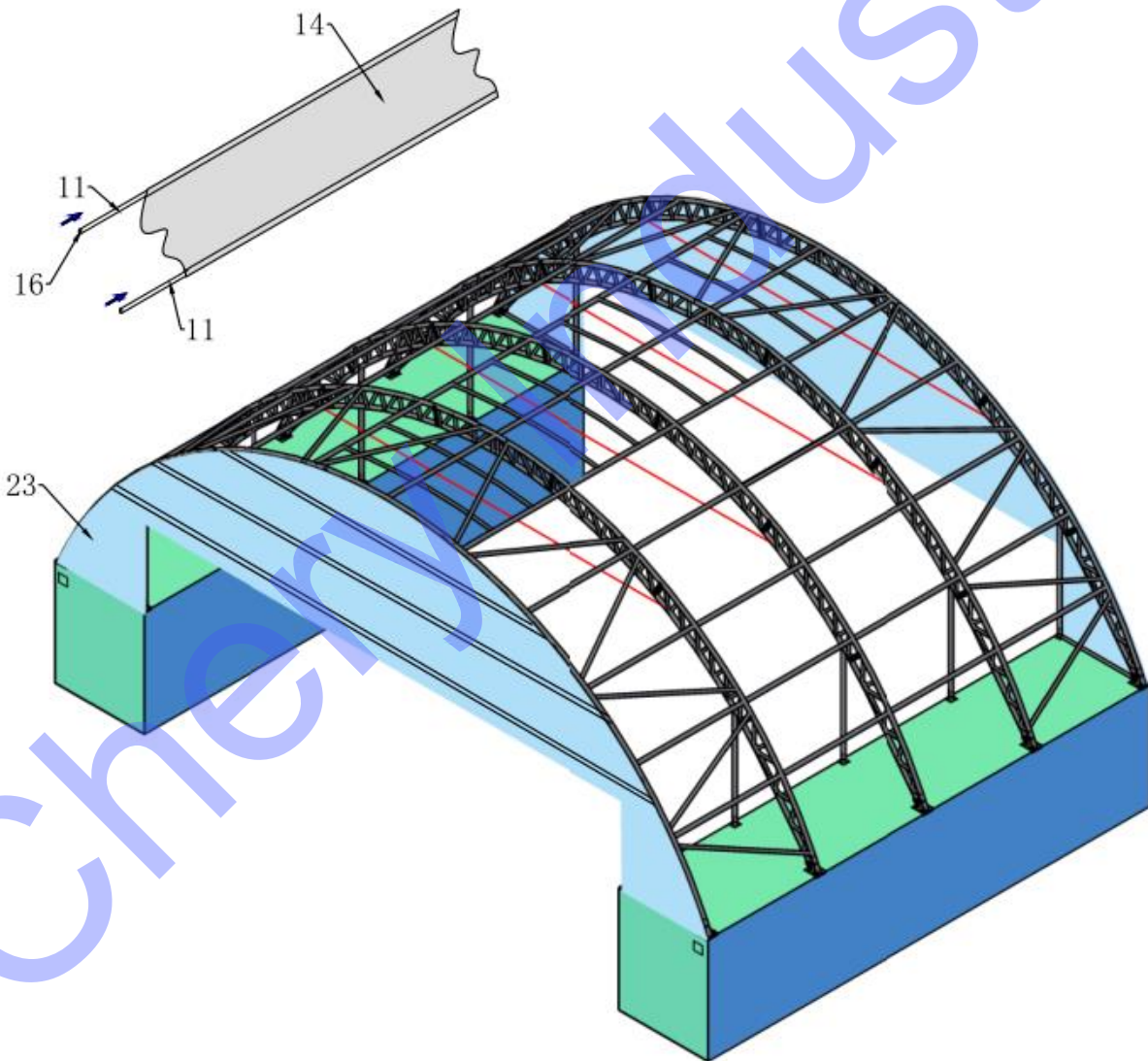
## 4.ROOF COVER INSTALLATION

**NOTE: DO NOT** install the cover onto the frame of your building in high wind conditions. A slight breeze is the most advantageous for cover installation. To take advantage of the breeze, pull the cover up over the arches with the breeze blowing in the cover like a sail filled with air.

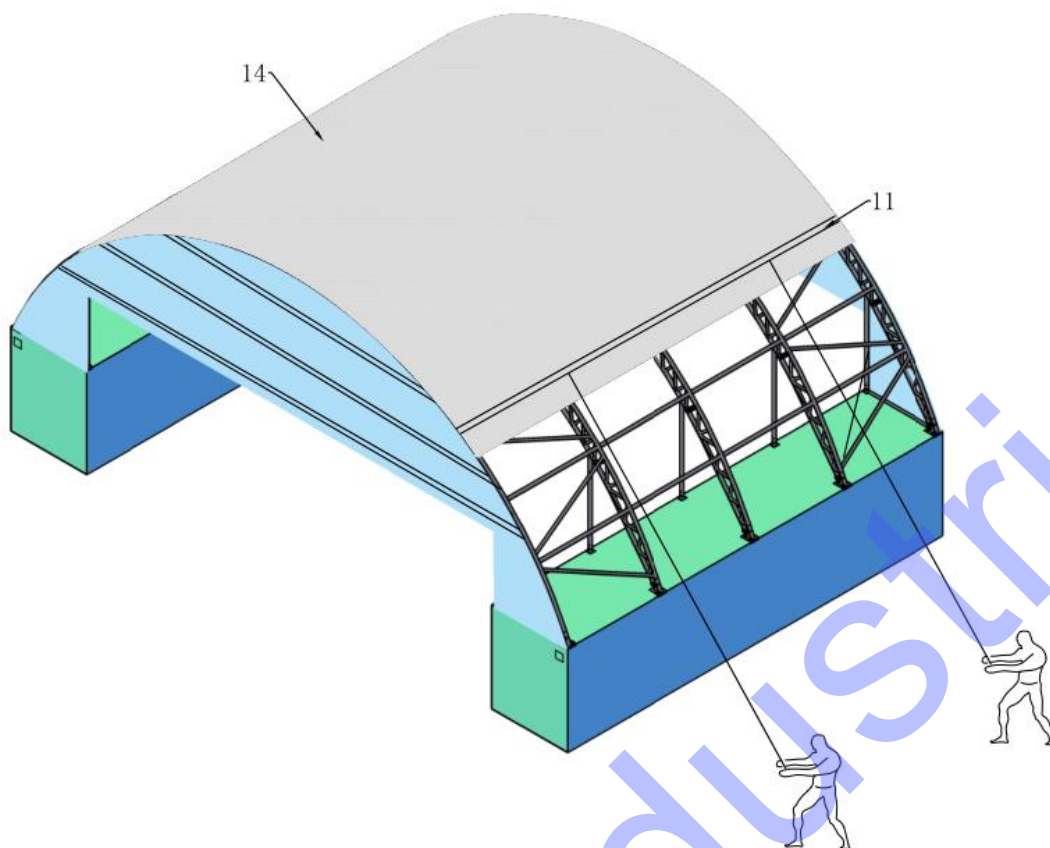
4.1 Put the Roof cover (Part No.14) **EVENLY, CAREFULLY AND SLOWLY** on the frame. Adjust the cover so that it is square and evenly centered on the frame.

4.2 Weld the Angle seats on each container and tie the Roof cover to the Angle seats. Finally install the  $\phi$  32 Plastic plug for base rail section into two end of the Lower Tension tubes.

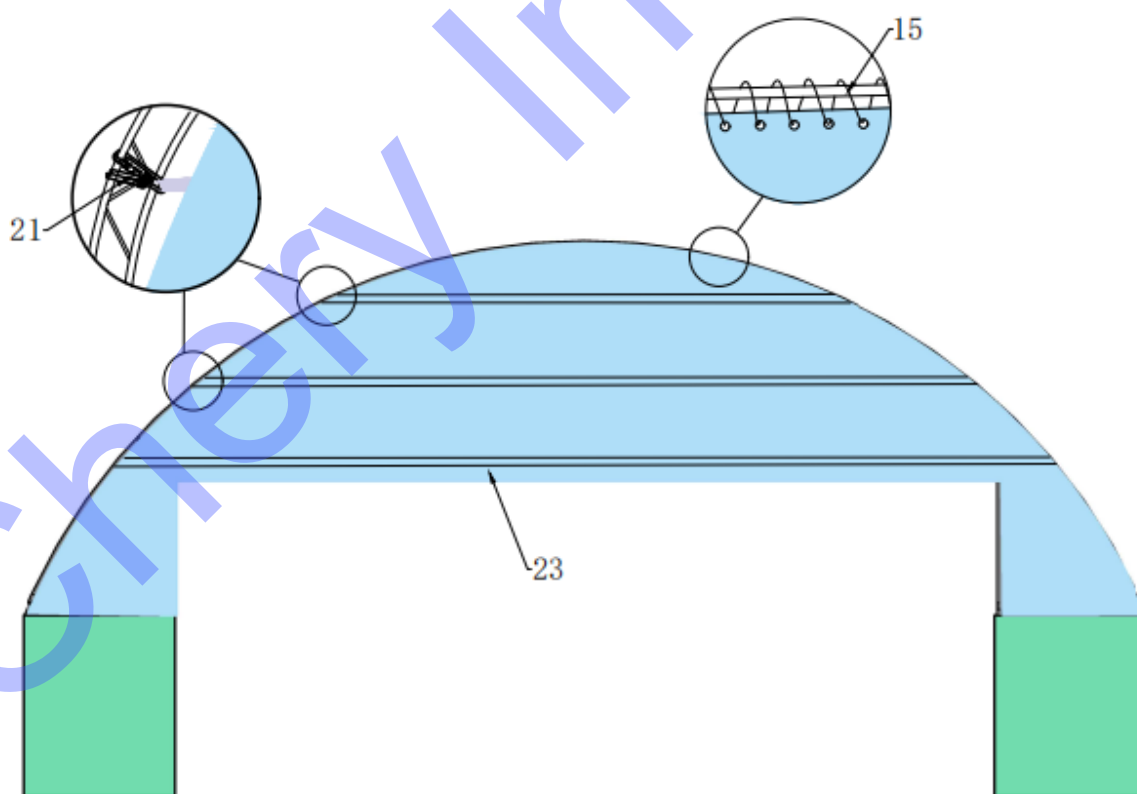
4.3 Cut 9 pockets according to the position of the base plates and put the Lower Tension Tubes for roof cover (NO. 11) into the pocket of roof cover. Then use the Ratchet Straps (NO.15) to tie down the Lower Tension Tubes as shown. Finally install the  $\phi$  32 Plastic Plug for base rail section (NO. 16) into two end of the Lower tension tubes.



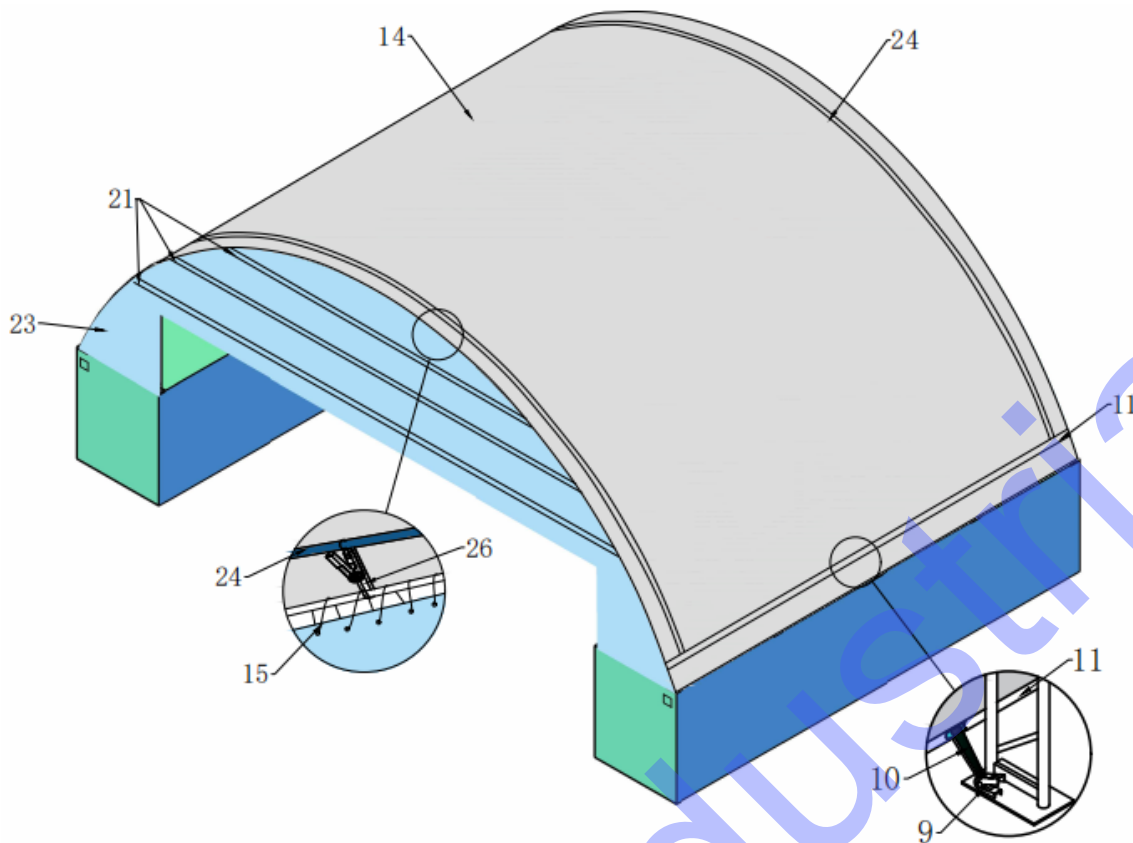
**Figure 6**



**Figure 7**



**Figure 8**



**Figure 9**

4.4 The Ratchet for tension front cover(NO.21) should be installed as below.



**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, tension ed roof cover. Please adjust the roof cover every month.

NOTE:

1. Cloth tape for wrapping the gaps on the frame after frame installation.
2. Please adjust the roof cover every month. It's necessary to make the cover flat and well tensioned.

**Confirm that all the hardware and parts are present before attempting to assemble your storage unit.**



**SAVE THIS MANUAL  
FOR FUTURE REFERENCE.**

Chery Industrial