

Owner's Manual & Assembly Guide

Model No. W20' x H12' ROUND SERIES L 42'

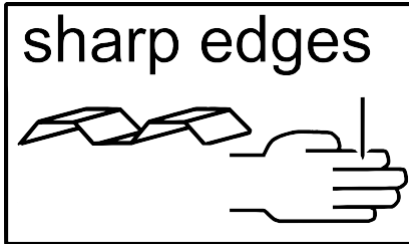


*** See Inside for Detailed Safety Information.**

*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.

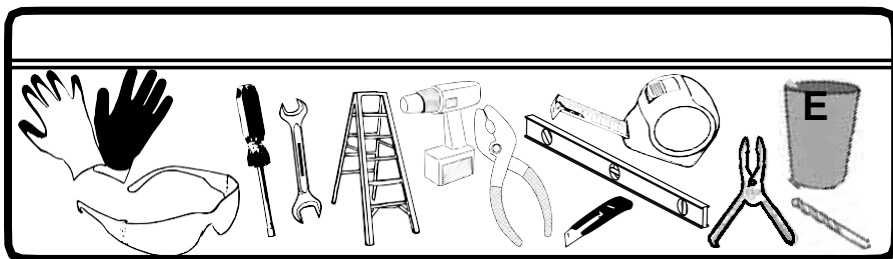
ASSEMBLY TIPS & TOOLS

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.

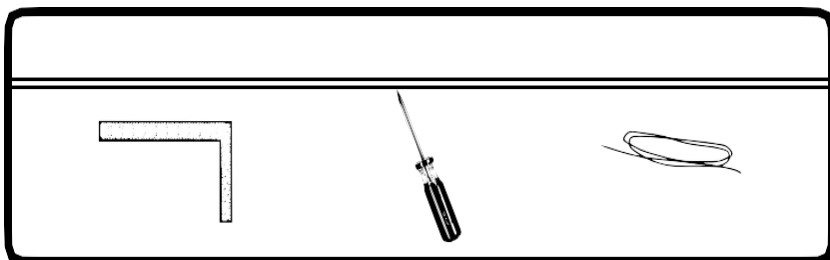
Tools and Materials: Here is a list of some basic tools and materials you will need to assemble your building. Decide which method of anchoring and the type of base you will use to make a complete list of the materials you will need.

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)
-

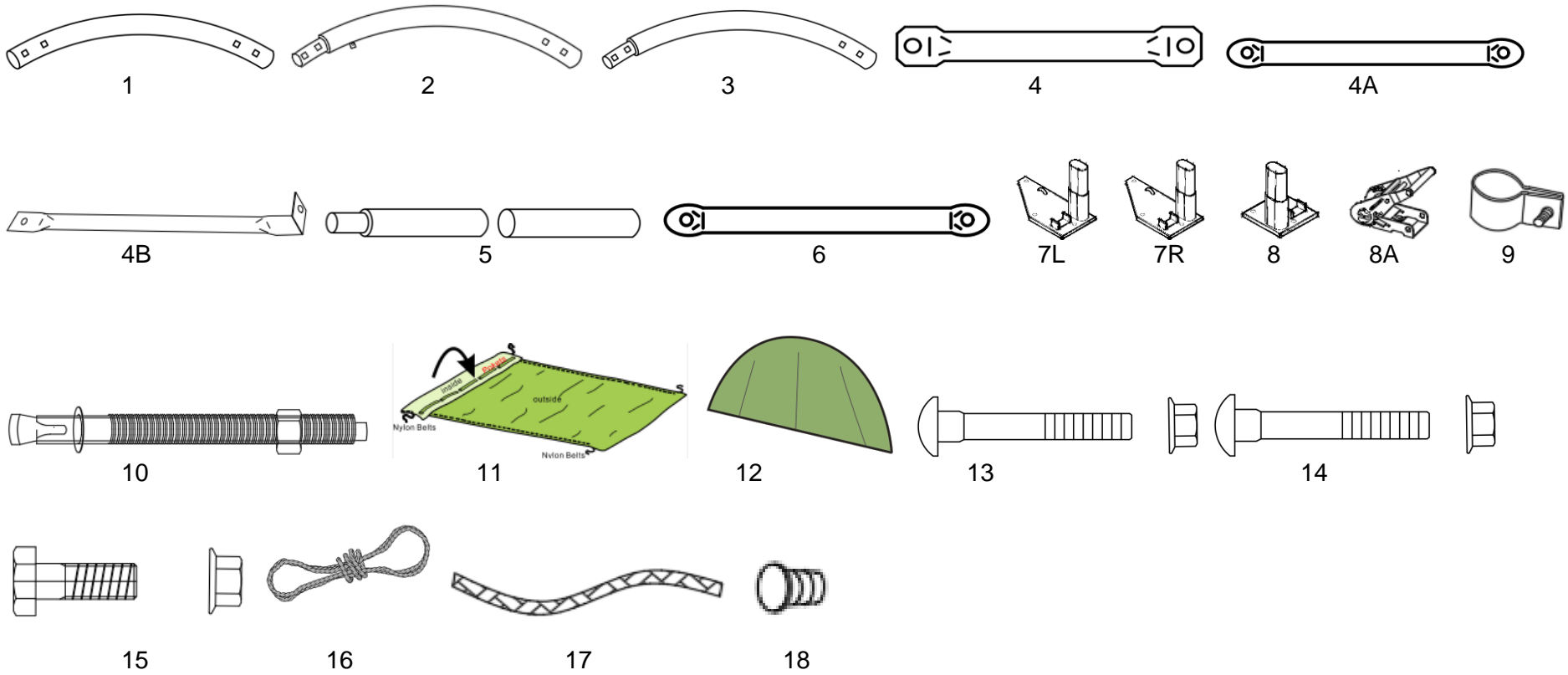
How to Select and Prepare Your Building Site: Before you start to assemble your building, you will want to decide on a good location. The best location is a level area with good drainage.

- 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:**

W20'H12'ROUND Series-- 1.83 Arch spacing			204212R
Part Code	Description		QTY
1	Roof Bent Tube	Φ42mm x 70mm x 2.16m	8
2	Middle Bent Tube	Φ42mm x 70mm x 2.16m	16
3	Lower Bent Tube	Φ42mm x 70mm x 2.16m	16
4	Purlin	Φ40mm x 1.87m	35
4A	Purlin-option	Φ25mm x 1.57m	16
4B	Purlin -option	Φ25mm x 0.57m	8
5	Lower Tension Tube	Φ25mm x 1.54m=16 Φ25mm x 0.96m=2	18 \ 2 group
6	Diagonal Brace	Φ32mm x 2.15m	12
7L	Base Plate for Left Corners		2
7R	Base Plate for Right Corners		2
8	Base Plate for Middle Arch		12
8A	Ratchet Tie Down	1.5inch	16
9	Clip for No.6	42*70	24
10	Expansion Screw	M12x100mm	48
11	Roof Cover		1
12	Front & Back Cover		2
13	Carriage Bolts	M8*60mm	96
14	Carriage Bolts	M10*90mm	40
15	Bolts	M10*30mm	24
16	Knitting Rope for Cover	80m	1
17	Nylon Band for No.8A Ratchet Tie Down		16
18	Plastic Plug	Φ25mm	4

Parts Sketch



SPECIFICATION

Width: 6.1m Length: 12.81m Height: 3.66m

Door dimension: W4.5m x H3.2m

NOTE: FRAME EXTENSION KIT

This is the base frame dimension. Your model may have more or less middle ribs than shown in the illustration. You will receive more extra ribs for every extra arch spacing of building length that you purchase. The basic frame assembly will remain the same. The cover will be the correct size for the length of the building.

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.

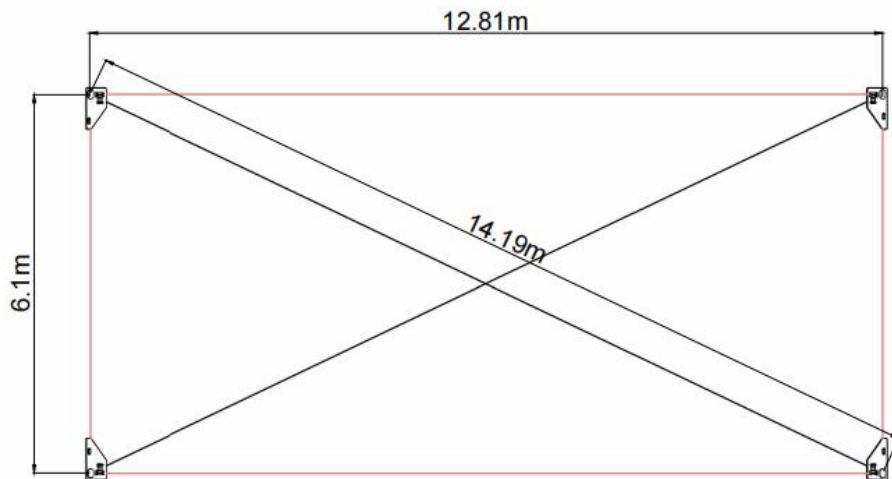


Figure 1.1

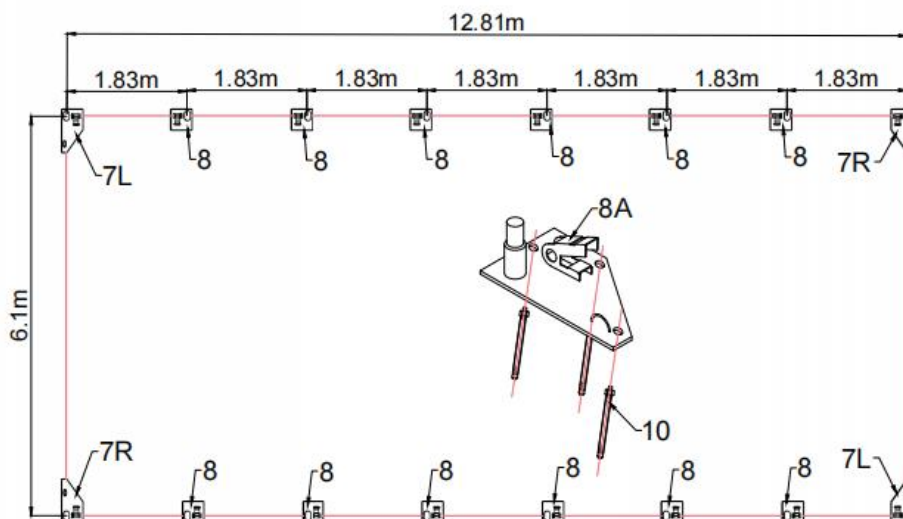


Figure 1.2

2. FOUNDATION PLACEMENT

As **Figure 1** shown each Base Plate is equipped with three pieces of Expansion Screw (No.10).

Note: The Expansion Screws are suitable for the rock ground, frozen soil and concrete ground.

3. ASSEMBLE END AND MIDDLE RIBS

Assemble end and middle ribs as shown. Securely fasten all of the joints with the hardware indicated.

3.1 As **Figure 2** shown to find one Roof Bent Tube (No.1), two Middle Bent Tubes (No. 2), two Lower Bent Tube (No. 3) and assemble every group arch with Bolt M8x60 (No.13). DO NOT install the screw on the top of the truss where the fabric will rest.

3.2 As **Figure 3** shown to fix Purlin-option (No.4A&4B) by using Carriage Bolt M10x100mm (No.14) and Bolt M10*30mm (No.15).

3.3 Please lift an assembled arch onto one base plate and force the other end of the arch onto the opposite base plate.

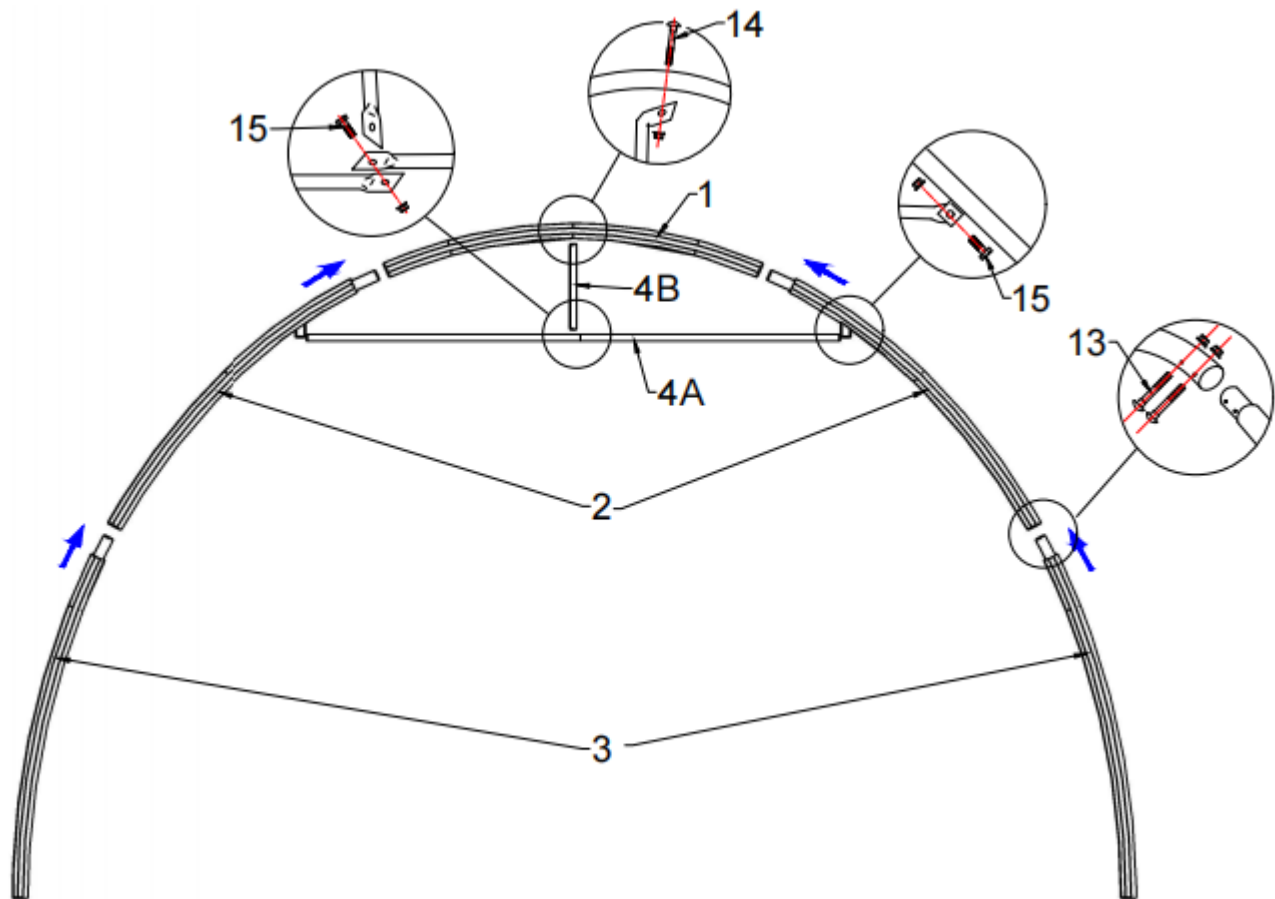


Figure 2

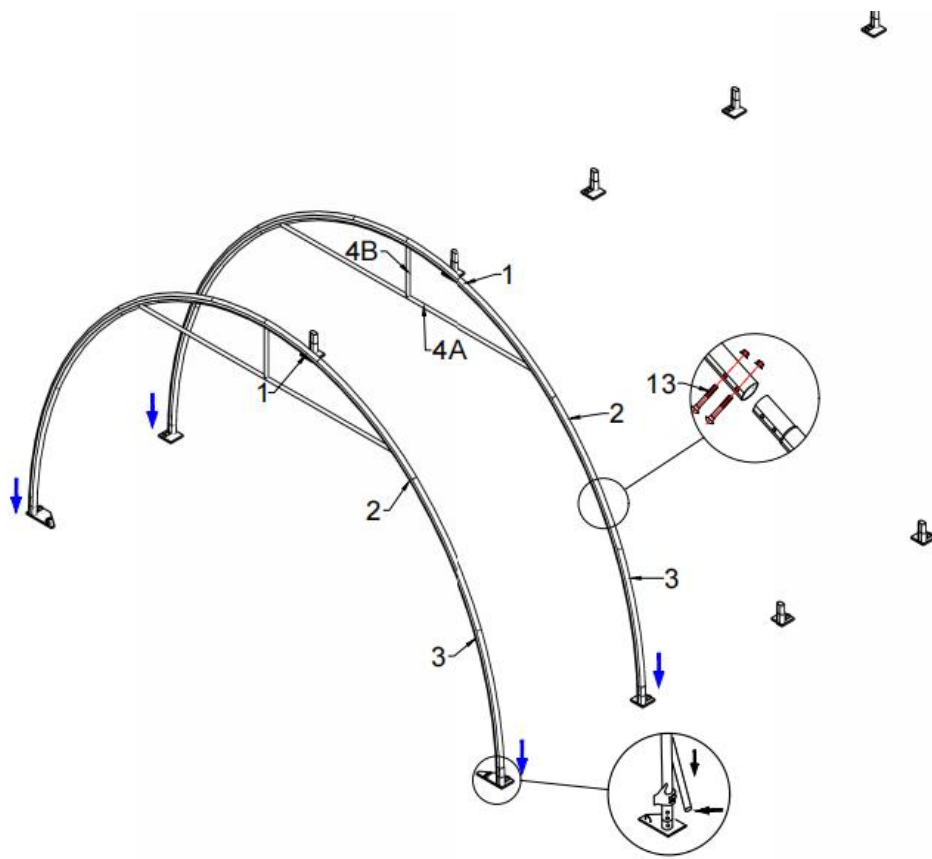


Figure 3

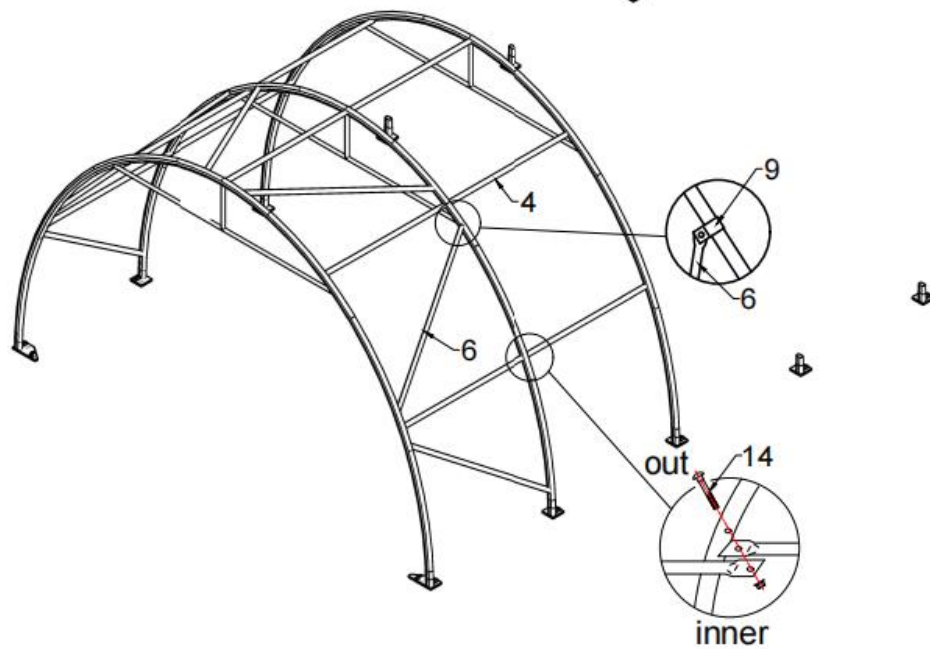


Figure 4

3.4. To assemble middle ribs as shown. Securely fasten all of the joints with the hardware indicated. When finish installing the first two arches into the base plates, installing top and side rail using Roof & Sidewall Purlin (No.4) to connect them by Screw MIDx90 (No.14). After installing the third arch, to insert the third arch into the base plate. Connecting all remain ribs and using the top and side rails to connect them.

Attention: Install top rail and side rail

Place assembled first end rib in the staked area. Place the Purlins on the uprights. From the outside of the rib insert the bolt through the upright and then through another rail tubes

NOTE: Sliding Cover Rails should be attached to frame, once cover is placed over the frame.

Attach Wind Brace between the end rib and the first middle rib as shown

Bolts attached at the cross rails should be inserted facing inside the shelter.

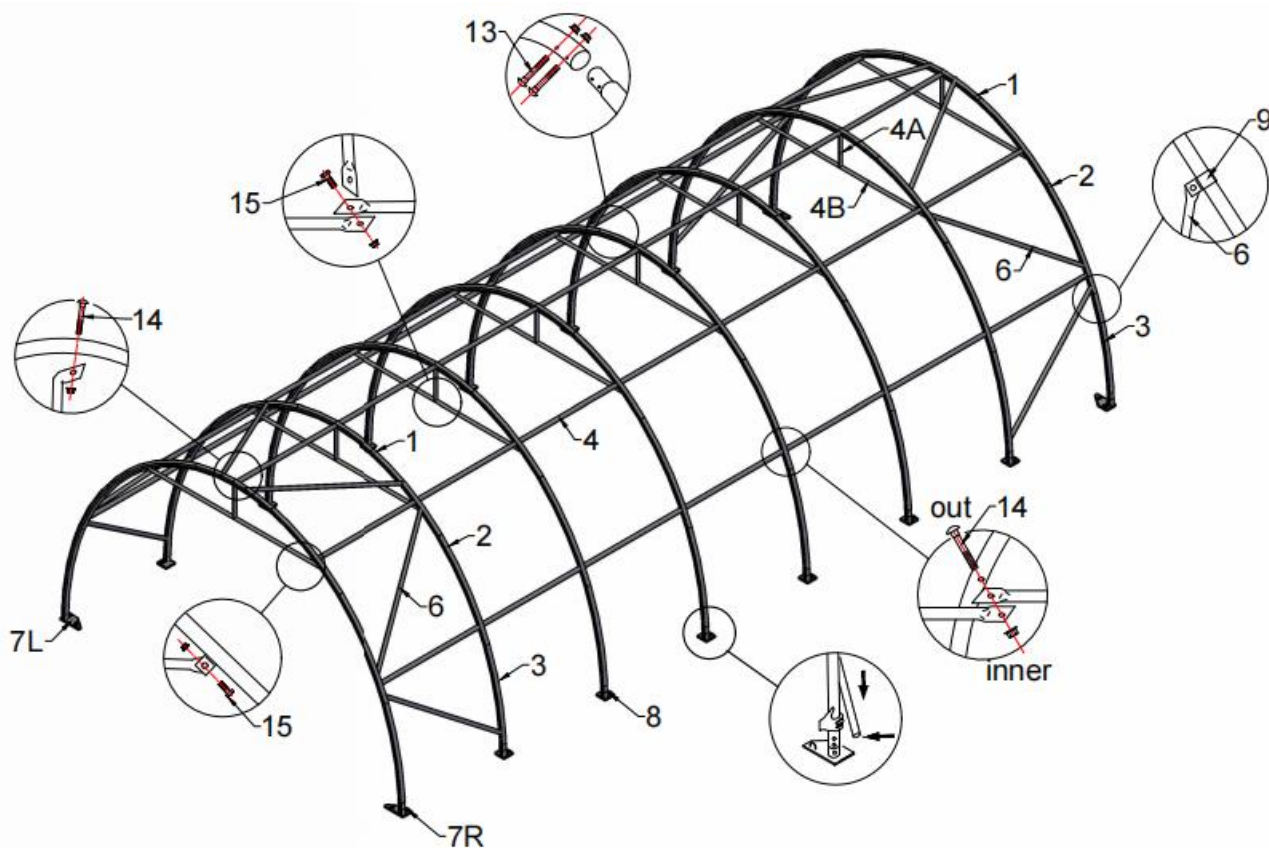


Figure 5

4. SQUARING UP THE FRAME

- A. Be sure the frame is in its final location, which needs to be as flat and level as possible.
- B. Measure across opposite corners.

These distances must be equal to within 1 inch.

- A. Check that the front and rear of the frame measures is right in width.

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.

5. END AND DOOR PANEL INSTALLATION

- 1. Use the Rope (Part No. 16) to tighten the roof cover to the end arches. The Nylon should be cut as your requirements when using. Fasten the Nylon Band at the bottom edge, then roof cover is tightened.

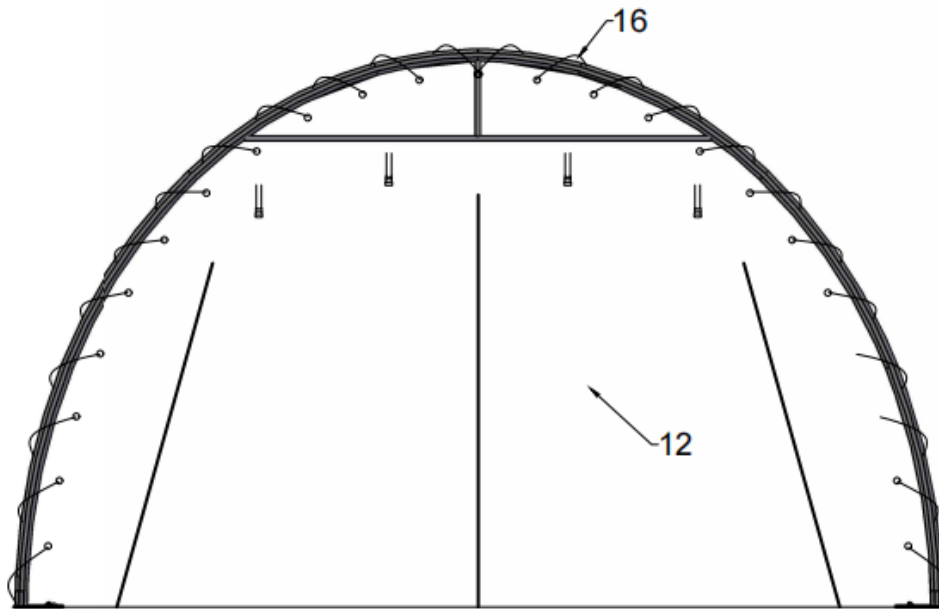


Figure 6

- 2. Insert the Lower Tension Tube (No.5) into the bottom of Front and Back cover (No.12).
- 3. Put the Nylon Rope to fix it onto the Base Plate for Corners (No.7L&7R).
- 4. Tidy the Back Cover and Front Cover. Fasten the band inside the end of the roof cover, make the cover well fold to the frame and tie the end of the band to the Clips on Base Plate for four corners.

6. INSTALLING THE COVER ON THE FRAME

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 breeze blowing in the cover like a sail filled with air.

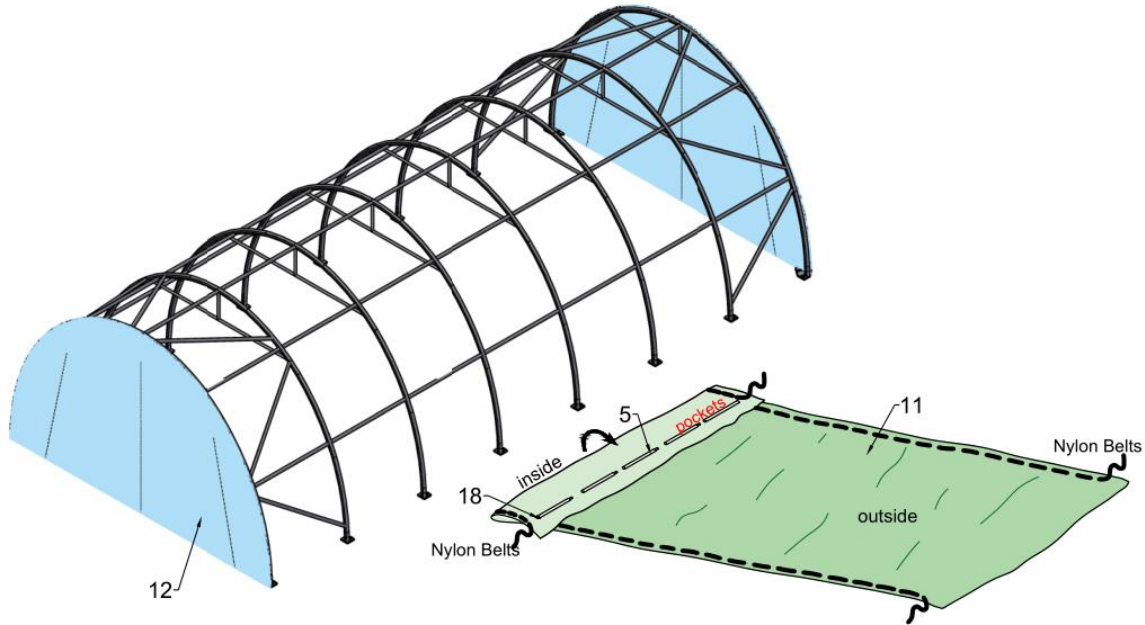


Figure 7

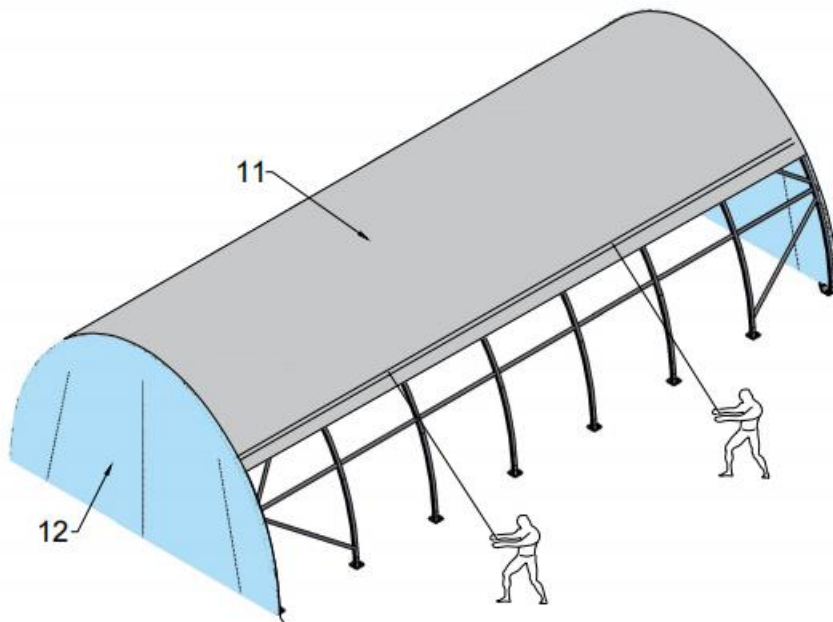


Figure 8

1. Assemble Tension Tube for Roof Cover (No.11) before installing the cover.
2. Roll out the roof cover on a ground sheet. Align the cover evenly to each end of the frame.

Note: Be sure not pull over the end of the roof cover.

3. Pull the cover over the frame **EVENLY, CAREFULLY AND SLOWLY. DO NOT TIGHTEN.** Adjust the cover so that it is square and evenly centered on the frame. Put the lower tension tube and insert them into the bottom pocket of roof cover.

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

4. With the end flaps flipped back and out of the way, use the supplied Nylon Band (Part No. 17) to tighten the roof cover to the end arches. The Nylon should be cut as your requirements when using. Fasten the Nylon Band at the bottom edge. Drive the Ratchet Tie Down forth and back and then roof cover is tightened. **NOW THE INSTALLATION IS FINISHED.**

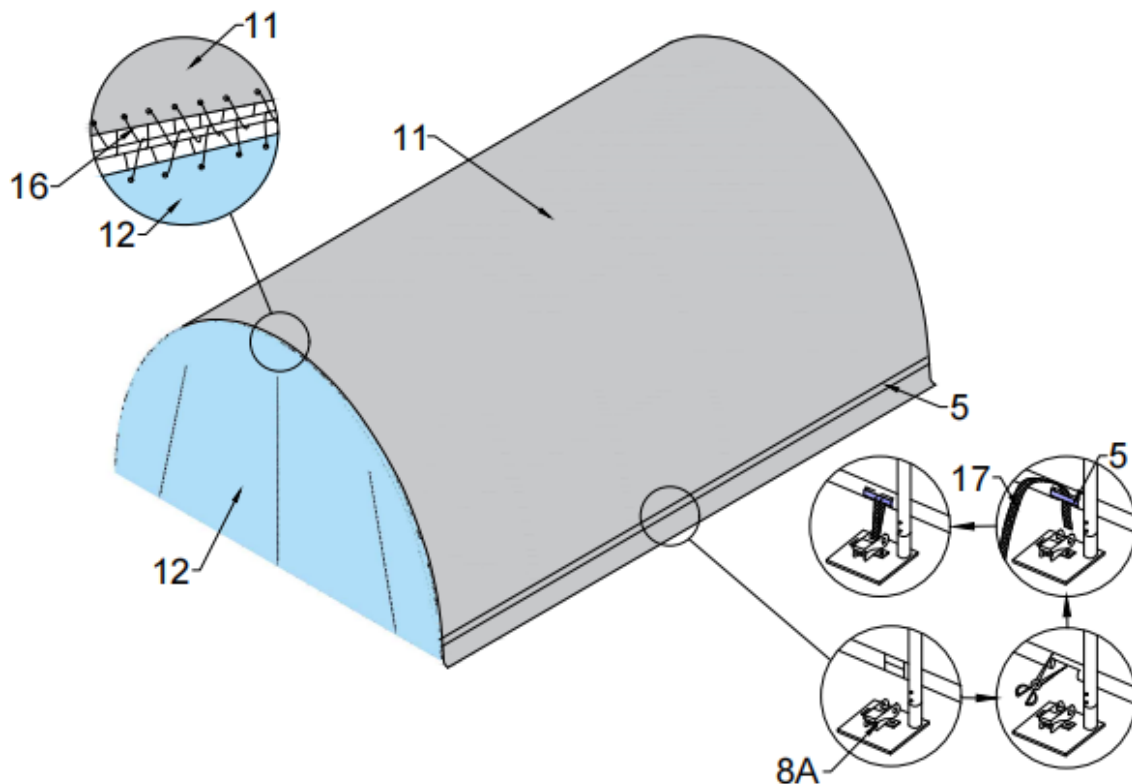


Figure 9

ALWAYS THINK SAFETY!

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.