

SHELTER ASSEMBLY MANUAL

40x40x15 ST Container shelter



PARTS LIST

Part Code	Description	Qty
L1	Left base plate	7
R1	Rigth base plate	7
1	Roof bent tube	7
2	Upside bent tube	14
3	Underside bent tube	14
4	Lower bent tube	14
5	Purlin	42
6	Inclined support tube	16
7	Clip for inclined support tube	32
8	Bolt M12x110	49
9	Bolt M10x100	112
10	Winch (ratchet?)	14
11	Belts for winch	14
12	Angle seats	4
13	Roof cover	1
14	Knitting rope for cover	1
15	ϕ 32 Plastic plug for end of tensioning tube	4
16	Tensioning tube	2
17	Iron angle for base plate	14
18	Bolt 12x30	42



SPECIFICATIONS

Width: 40 ft Length: 40 ft Height: 15 ft

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 an easy assembly process, 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 is necessary to tighten the roof fabric enough to avoid “hammocks” on the roof; also re-tighten once or twice again after a few months of use. This is important when assembled during cold seasons (autumn and winter) because the fabric gets stiff in these weather conditions. When the weather conditions become warmer, the fabric loosens and needs to be re-tighten

It is the owner’s responsibility to take off snow immediately, otherwise it will slide off on its own.

READ ALL INSTRUCTIONS BEFORE ASSEMBLY

1. Keep the work area clean. Accidents are more likely in cluttered areas. Do not set up near snow drifts, in slippery places, in high winds, or wet locations.
2. All children should be kept away from the work area.
3. Don’t overreach. Always keep proper footing and balance.
4. Do not assemble under the influence of alcohol or drugs. Read warning labels on medication prescriptions to determine if your judgment or reflexes are impaired while taking them. If there is any doubt, do not assemble.
5. Be aware of possible windy conditions; fasten the bases in concrete if these conditions are likely to occur. Remove the cover during hurricanes.
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 your fingers with clips and tubes when assembling: When using, make sure there is adequate ventilation for any dangerous fumes.

EQUIPMENT AND TOOLS FOR INSTALLATION

1. Measuring tape
2. Alignment string
3. Step ladder
4. Welder
5. Sledgehammer
6. Wrench
7. Scissors

INSTALLATION PROCESS

A - BASE PLATES INSTALLATION

Please refer to the Figure 1 to place the base plates.

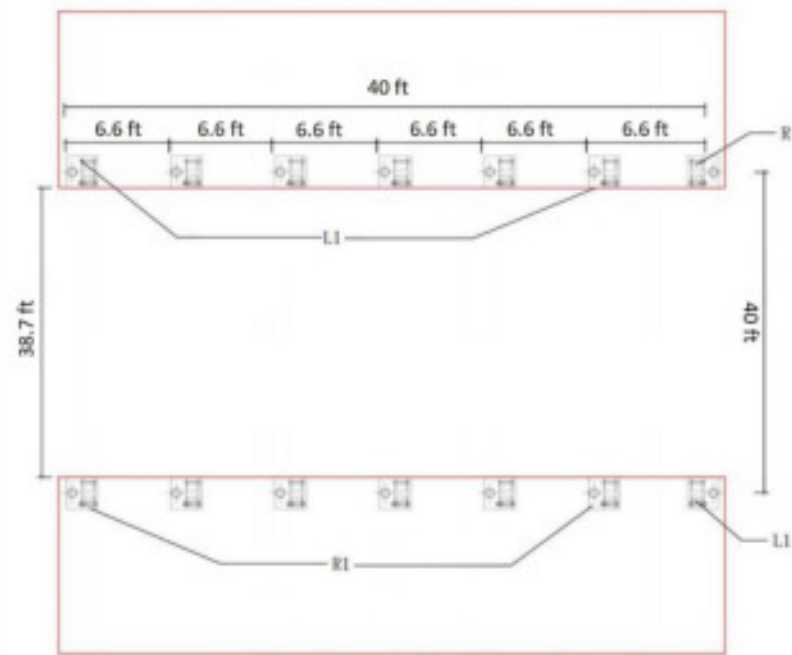


Figure 1

1. The measure must be taken from center to center of the base plates. Refer to the diagram above and confirm the place of the base plates. ENSURE THAT THE FOUNDATIONS ARE SQUARE.
2. All the base plates need to be welded on the Containers.

B - FRAME INSTALLATION (Refer to figure 2 for the full diagram)

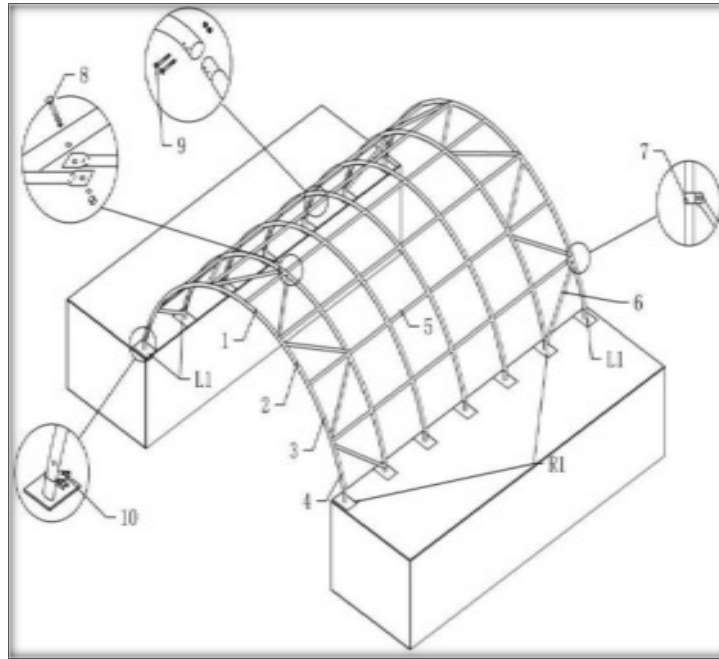


Figure 2

1. Connect the Roof Bent Tube (part code 1), the Upside Bent Tube (part code 2), the Underside Bent Tube (part code 3) and the Lower Bent Tube (part code 4) with the Bolt M10x100 (part code 9); these make one group of arches. Please NOTE the direction of the bolt. **DO NOT** install the bolts on the top of the truss where the fabric will rest.
2. Insert one end of the assembled arch into one base plate and force the other end of the arch into the opposite base plate.

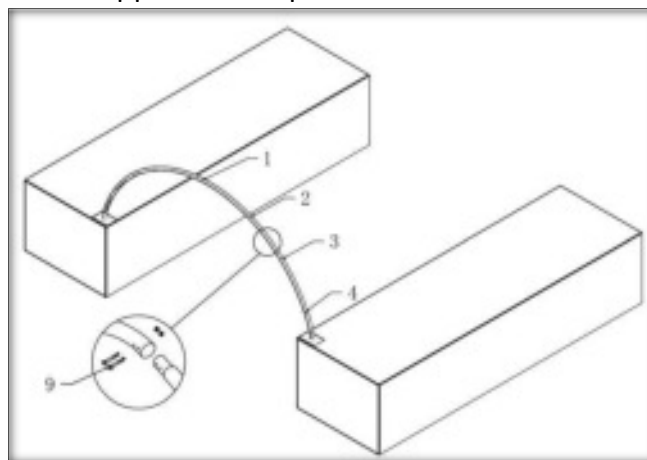


Figure 3

3. After installing the first two arches, **connect** the Connection purlin (part code 5) onto them using the **Bolts M12x110** (part code 8). There are 7 pieces of Connection purlins (part code 5) between each arch.
4. Install the Inclined Support tube (part code 6) using Clip for Inclined Support Tube (part code 7). Assemble the frame by turns like this.

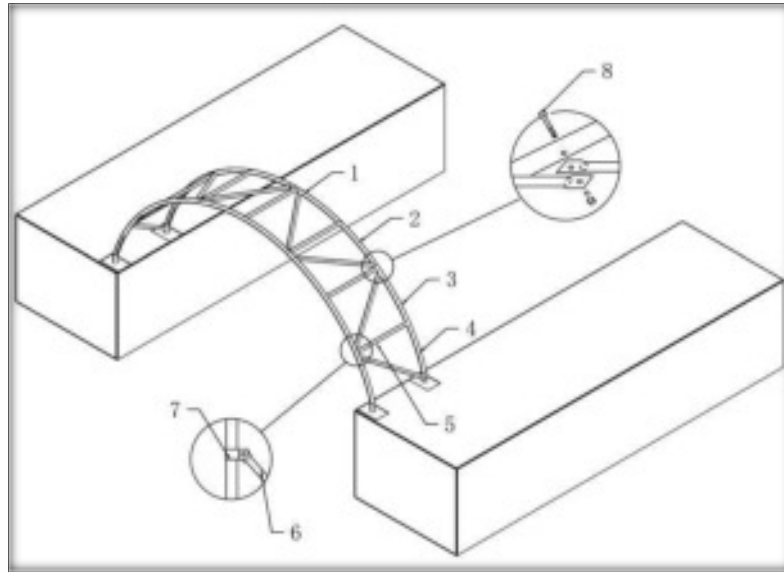


Figure 4

5. Then install the third arch into the base plate and connect the purlins.
6. Assemble the arches one by one until the frame is finished.

C - 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.

1. Assemble Tensioning Tube (part code 16) before installing the cover. Insert the Tensioning Tube (part code 16) into the pockets on the end of the roof cover (part code 13). Then put the ϕ 32 Plastic plug (part code 15).

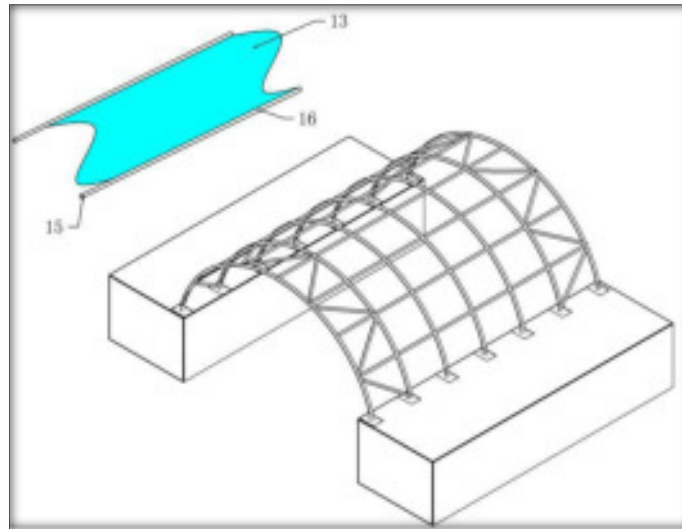


Figure 5

2. Put the Roof cover (part code 13) EVENLY, CAREFULLY AND SLOWLY atop the frame. Adjust the cover so that it is square and evenly centered on the frame.

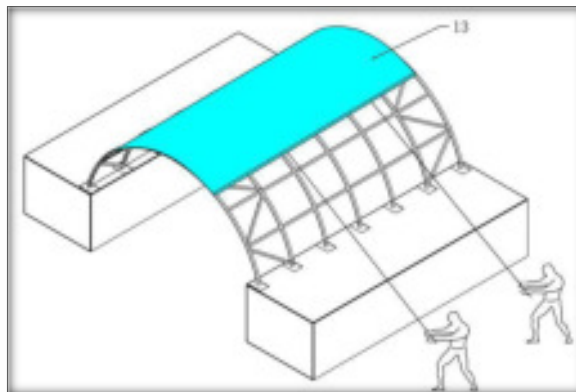


Figure 6

3. Cut pockets over each ratchet on the base plates and put the Tensioning Tube for roof cover (part code 16) into the pocket of Roof cover. Then use the Nylon band (part code 11) to tie down the Lower tensioning tubes as shown in *Figure 6*.

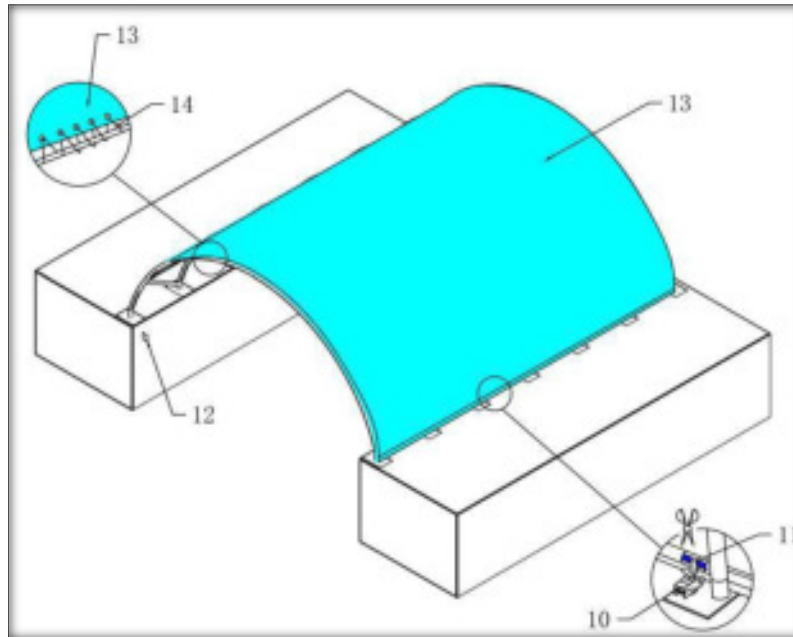


Figure 7

4. Weld the Angle seats (part code 12) on each container and use Rope (part code 14) to knit the cover on the two side arches and tie the Roof cover to the Angle seats.

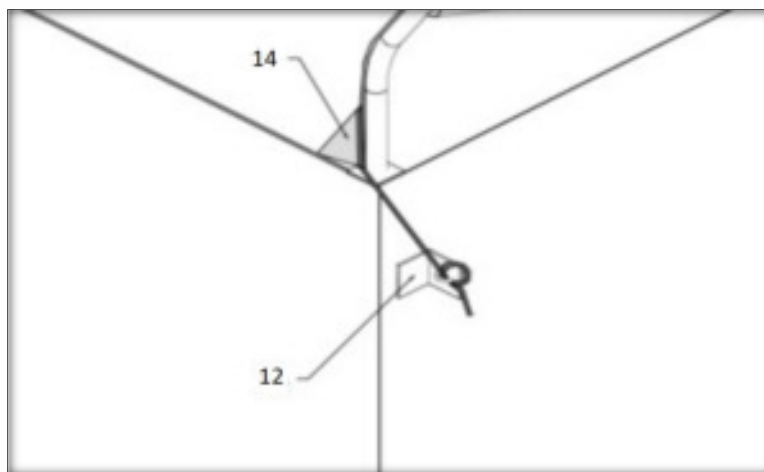


Figure 8

Please, check the detailed installation pictures below:



NOTES:

- DO NOT LEAVE THE ROOF COVER UNATTACHED UNDER ANYCIRCUMSTANCES until the final assembly and tightening has been completed.
- The process is quite easy, but some tightening adjustments will be necessary to get a flat, tensioned roof cover. Please adjust the roof cover every month.
- Wrap tape around the gap between the steel after installing.

