



## INSTRUCTION MANUAL

### C2620 / C2640 CONTAINER SHELTERS

[www.hardlifeutility.com](http://www.hardlifeutility.com)



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## INTRODUCTION

Thank you for purchasing the Hardlife Utility C2620 / C2640 Container Shelter. The Hardlife C2620 / C2640 Container Shelters are affordable, durable, and versatile storage solutions that are designed to maximise space and protect goods, vehicles, and machines in inclement weather.

The Hardlife range of container shelters features a sturdy, hot-dip galvanised steel frame made of Q215 steel tubes, and the fabric is made of heavy-duty PVC. These shelters are provided with base plates for welding them into place on the containers. These canopy tents can be customised with front and rear panels and are suitable for use all year round.

To ensure safety, please read through this instruction manual carefully prior to the assembly, installation, use, and removal of the container shelters. Improper site preparation, assembly, and maintenance of the container shelters may invalidate warranty. Please reach out to your local dealer for any queries.

To ensure user-friendly assembly of the container shelters, each individual component is identified with their respective component code, as indicated in the “Component List” in this manual. Please refer to the component codes and the figures to ensure hassle-free and safe assembly.

The information, specifications, and illustrations in this manual are on the basis of the information that was available at the time of publication. Our products are subject to improvements and changes without prior notice. The manual will be revised from time to time based on upgrades to the shelters. Please contact the manufacturer or the authorised dealers for the latest available information.

## ASSEMBLY INSTRUCTIONS

1. Adhere to the instructions mentioned in this manual during assembly, anchoring, use, and removal of the shelters. Improper assembly can result in potential hazards.
2. Keep the work area free of clutter.
3. Assemble and install the shelters only on flat, hard, and level surfaces. Do not install the shelters on slippery or wet surfaces, in areas of high-velocity winds, or near snow drifts.
4. Ensure to keep children and bystanders away during installation, maintenance, and removal of the shelters.
5. Ensure proper footing and balance at all times.
6. Do not assemble the shelter under the influence of alcohol, drugs, or medication. Read the warning labels on your medication to determine if your judgment or reflexes may be impacted.
7. Do not assemble the shelter in windy conditions; fasten the base of the shelter in concrete if it's likely to be windy.
8. Ensure personal safety during assembly of the shelter. Wear safety goggles and gloves during assembly, and exercise caution when handling clips and tubes.
9. Ensure there is adequate ventilation for exhaust and other dangerous fumes.

## USAGE INSTRUCTIONS

1. Ensure that the roof fabric is clear of snow at all times, taking care to remove snow manually if it does not fall off by itself.
2. Ensure to keep the shelter away from heat sources. Do not expose the tarpaulin to open flame.
3. Ensure to remove the fabric cover before hurricanes and blizzards.
4. Tighten the fabric cover every month.
5. Ensure adult supervision at all times.

## SHELTER SPECIFICATIONS

DIMENSIONS	C2620	C2640
Overall Dimensions (m)	8W X 6L X 3H	8W X 12L X 3H

## COMPONENT LIST

COMPONENT CODE	DESCRIPTION	C2620 (Quantity)	C2640 (Quantity)
L1	Base Plate (With Tie-Down Ratchet on the Left)	4	7
R1	Base Plate (With Tie-Down Ratchet on the Right)	4	7
1	Top Bent Tube	2	7
2	Middle Bent Tube	8	14
3	Bottom Bent Tube	8	14
4	Connection Purlin	15	30
5	Supporting tube	12	12
6	Clip	24	21
7	Lower Tensioning Tube for the Roof Cover	2 Groups	2 Groups
8	Roof Cover	1	1
9	M8 x 70 mm Bolts	48	94
10	M10 x 80 mm Bolts	20	35
11	Ropes	1 Dozen	1 Dozen
12	Ø32 Plastic Plug for the Lower Tensioning Tube	4	12
13	Ratchet Tie-Down Straps	8	14
14	Angle Set	4	-
15	Tie-Down Ratchet	8	14
15A	Steel Plate for Base Plate	-	14
15B	M12 x 30 mm Screws	-	42

## ASSEMBLY AND INSTALLATION

You can install the C2620 / C2640 Hardlife container shelter with a 3–4 member team of your own in 1–2 days, by carefully following the instructions provided in this Instruction Manual.



### WARNING

Ensure that you do not leave this product partially assembled, as it can pose serious dangers



### CAUTION

Ensure that all the components are securely fitted before use.

## TOOLS REQUIRED FOR INSTALLATION

1. Measuring tape
2. String for alignment
3. Step ladder
4. Sledge hammer
5. Wrench
6. Knife
7. Welding Machine
8. Scissors

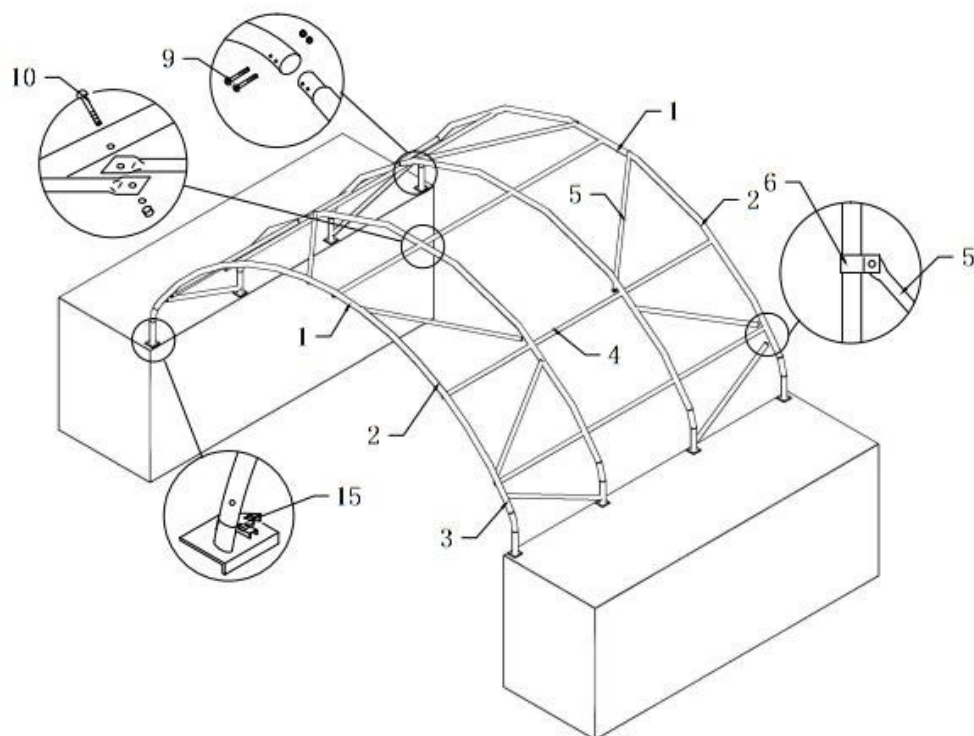
## SITE PREPARATION

To prepare the site for installing the shelter:

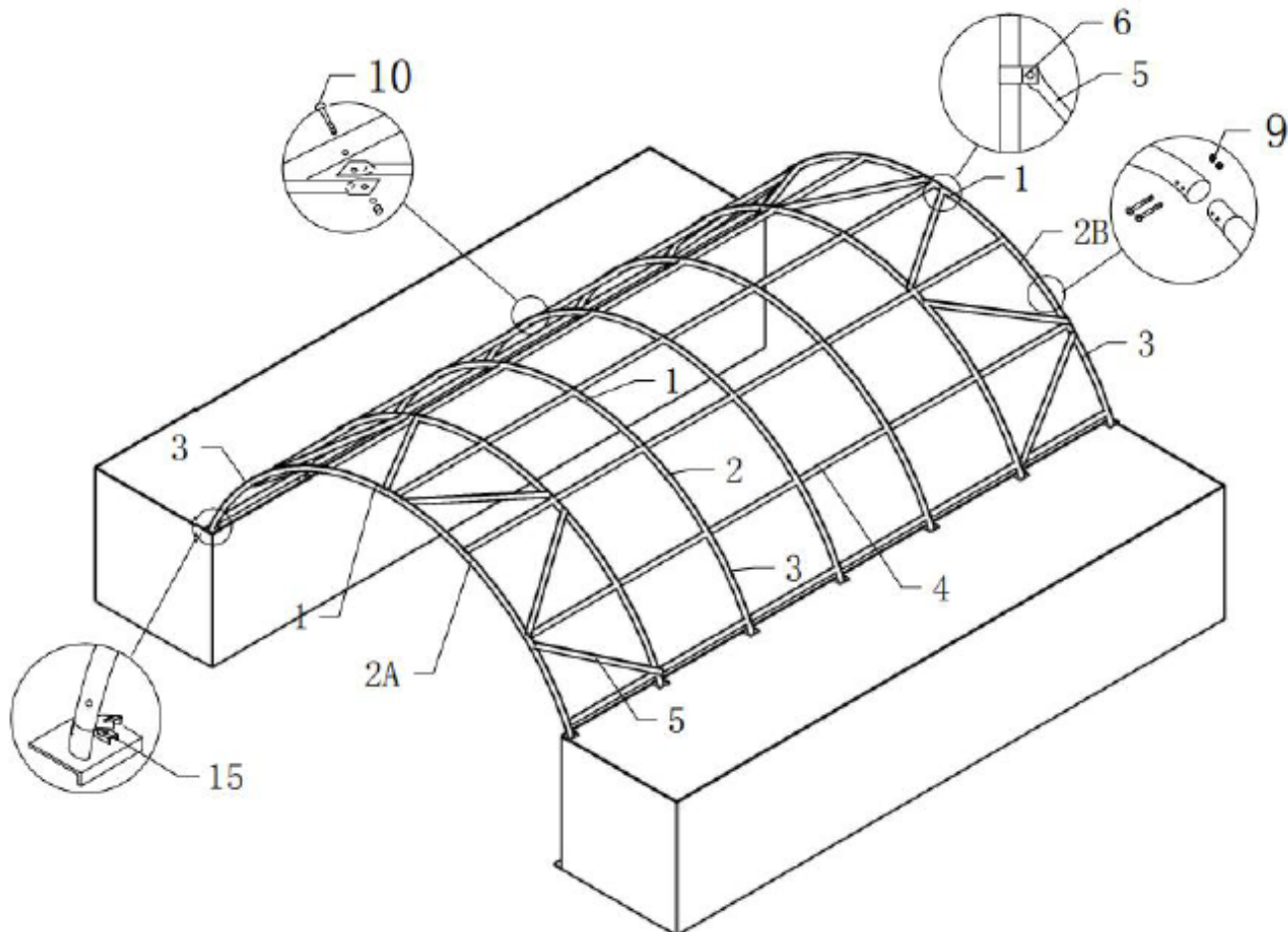
1. Select a flat, hard, and level surface.
2. Ensure that all the components are present by checking with the Component List prior to installation.
3. Mark out a site using a string or chalk. It is recommended that the string or chalk line is slightly larger than the shelter area
4. Lay out all the components within this site, in the approximate locations at which they will be assembled. The containers, base plates, and square tubes will be placed within this marking. This makes preliminary work easier on an open, clear space rather than having parts scattered in the way.

## CONTAINER SHELTER PLACEMENT

Place the two containers in the correct position, as shown in *Figures 1 and 2*.



*Figure 1 (C2620)*



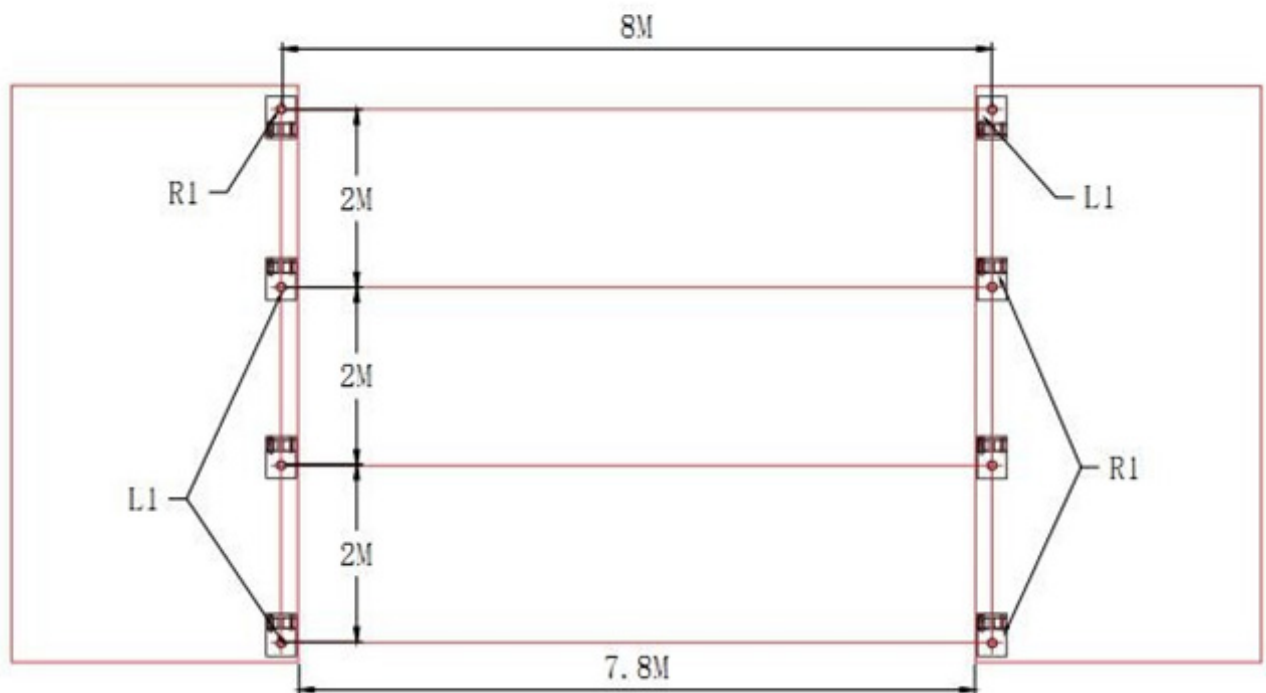
*Figure 2 (C2640)*



## BASE PLATE INSTALLATION

Refer to *Figures 3 and 4* to place the base plates for the C2620 and C2640 container shelters, respectively. All measurements are from centre to centre of the tubes.

1. Arrange the 4 / 7 base plates (with tie-down ratchet on the left) (component code L1) and the 4 / 7 base plates (with tie-down ratchet on the right) (component code R1), as shown in *Figures 3 and 4*, for C2620 and C2640, respectively.
2. For the C2640 container shelter, secure the L1 and R1 base plates to the container using steel plates for the base plates (component code 15A) and M12 x 30 mm screws (component code 15B), as shown in *Figure 4*.
3. All the base plates should be welded on to the containers.



*Figure 3 (C2620)*

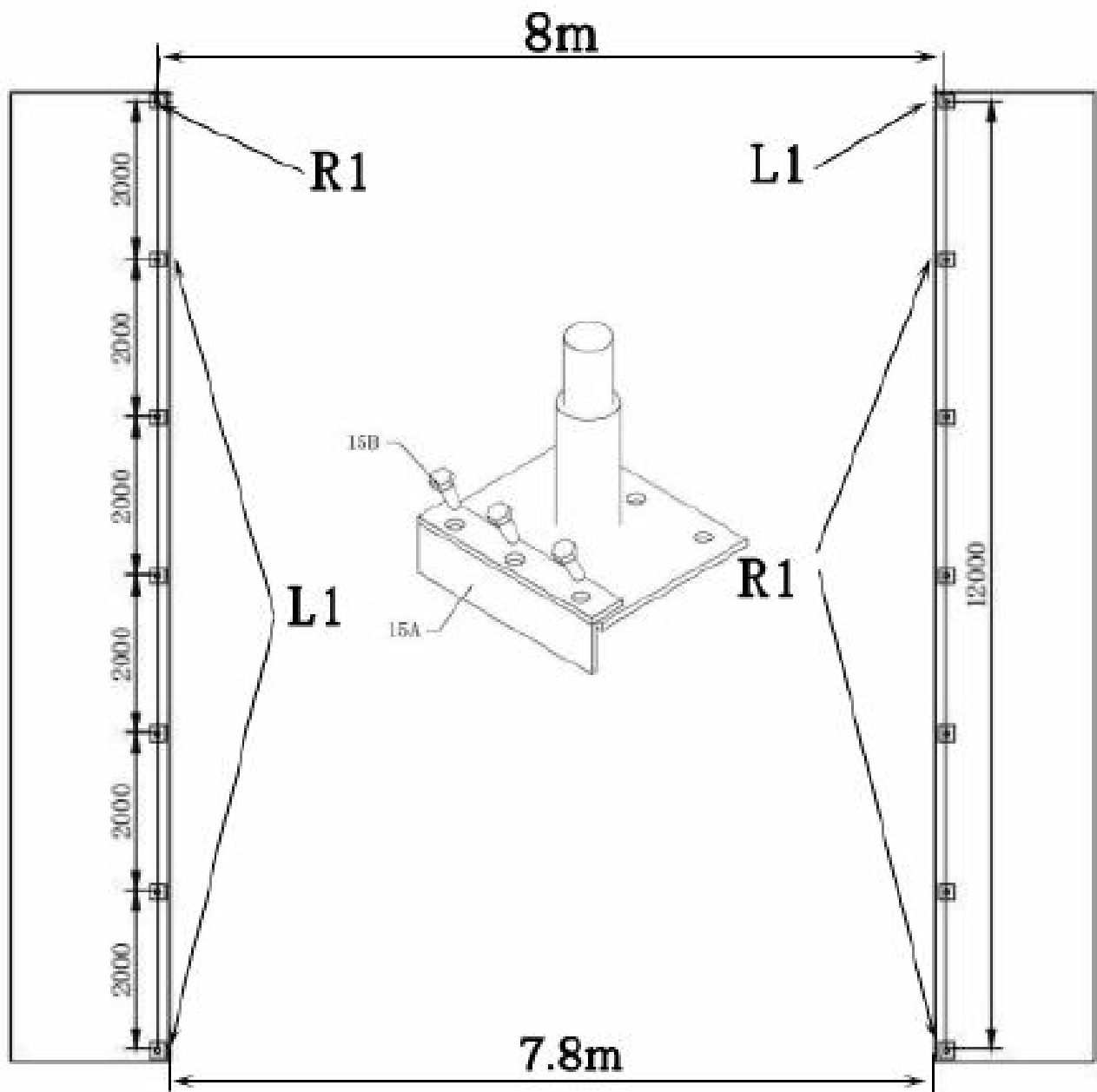
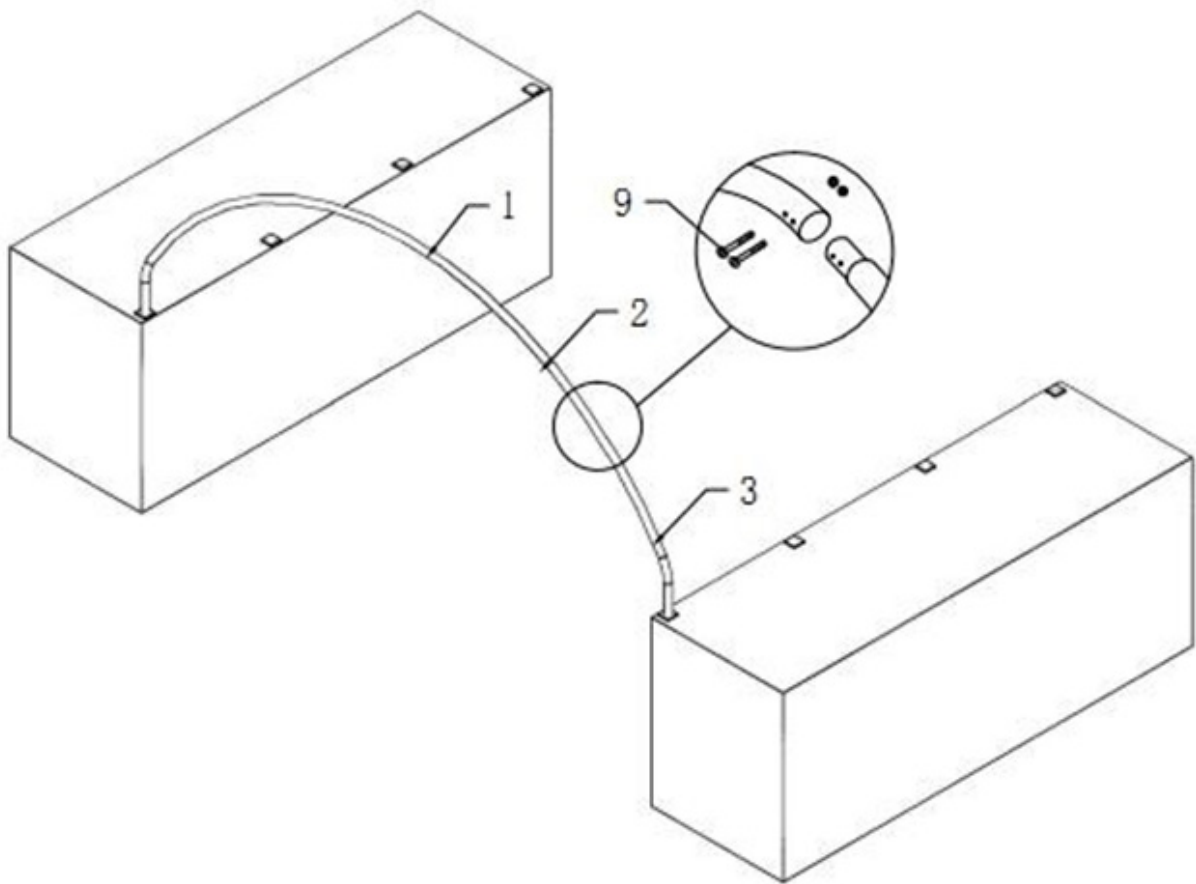


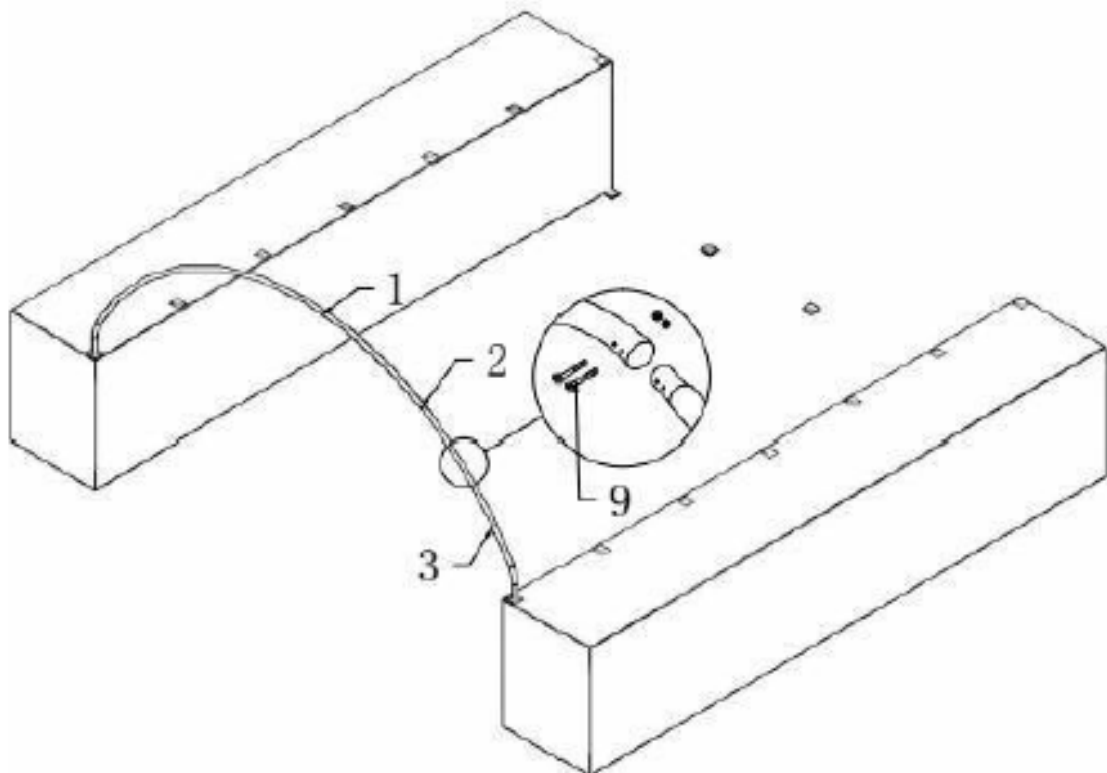
Figure 4 (C2640)

## FRAME ASSEMBLY

The frame for the C2620 and C2640 container shelters are made of four and seven group arches, respectively, as shown in *Figures 5 and 6*.



*Figure 5 (C2620)*



*Figure 6 (C2640)*

Each group arch, as shown in *Figure 5 and 6*, is made of:

- One top bent tube (component code 1)
- Two middle bent tubes (component code 2)
- Two bottom bent tubes (component code 3)
- M8 X 70 mm bolts (component code 9)

The tubes are assembled to form an arch using M8 X 70 mm bolts, as shown in *Figures 5,6,7 and 8*.

The other group arches are also assembled in the same manner.

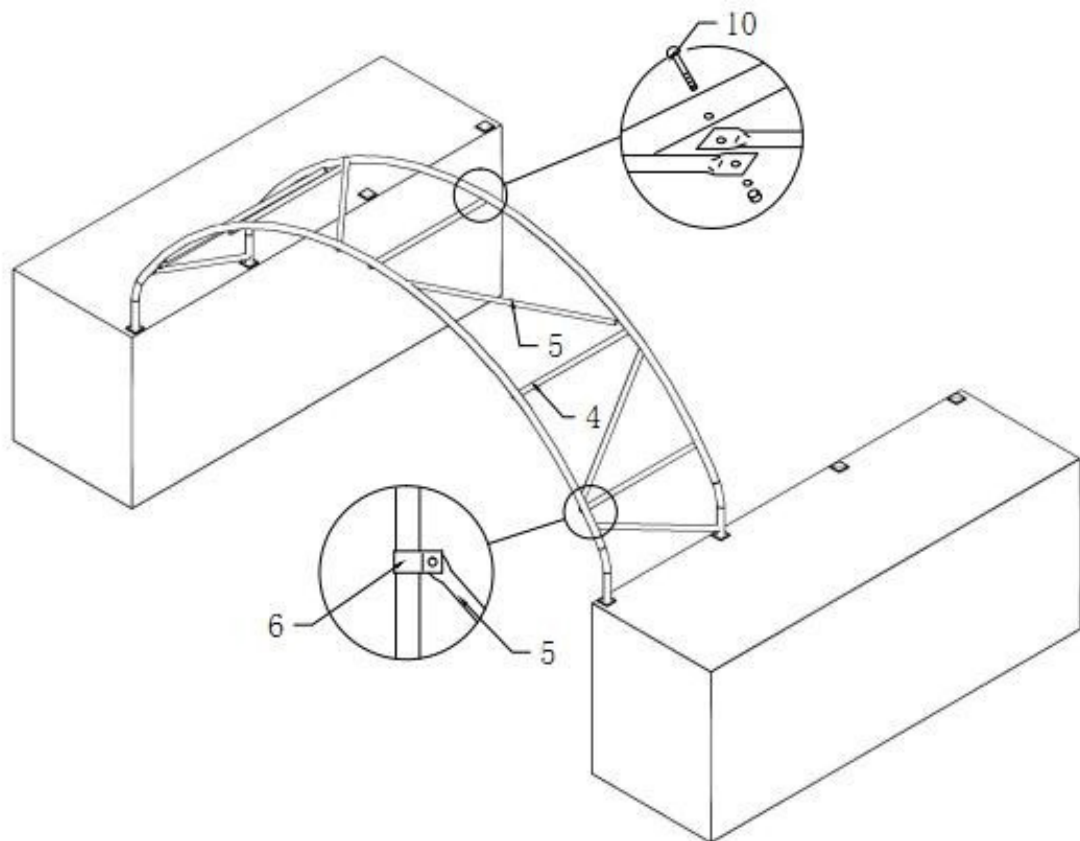
**NOTE:**

- Ensure that the screw head is in the right direction to prevent it from tearing the roof cover.
- Assemble all the arches and lay them on the ground. Do not erect them until all the arches have been assembled.

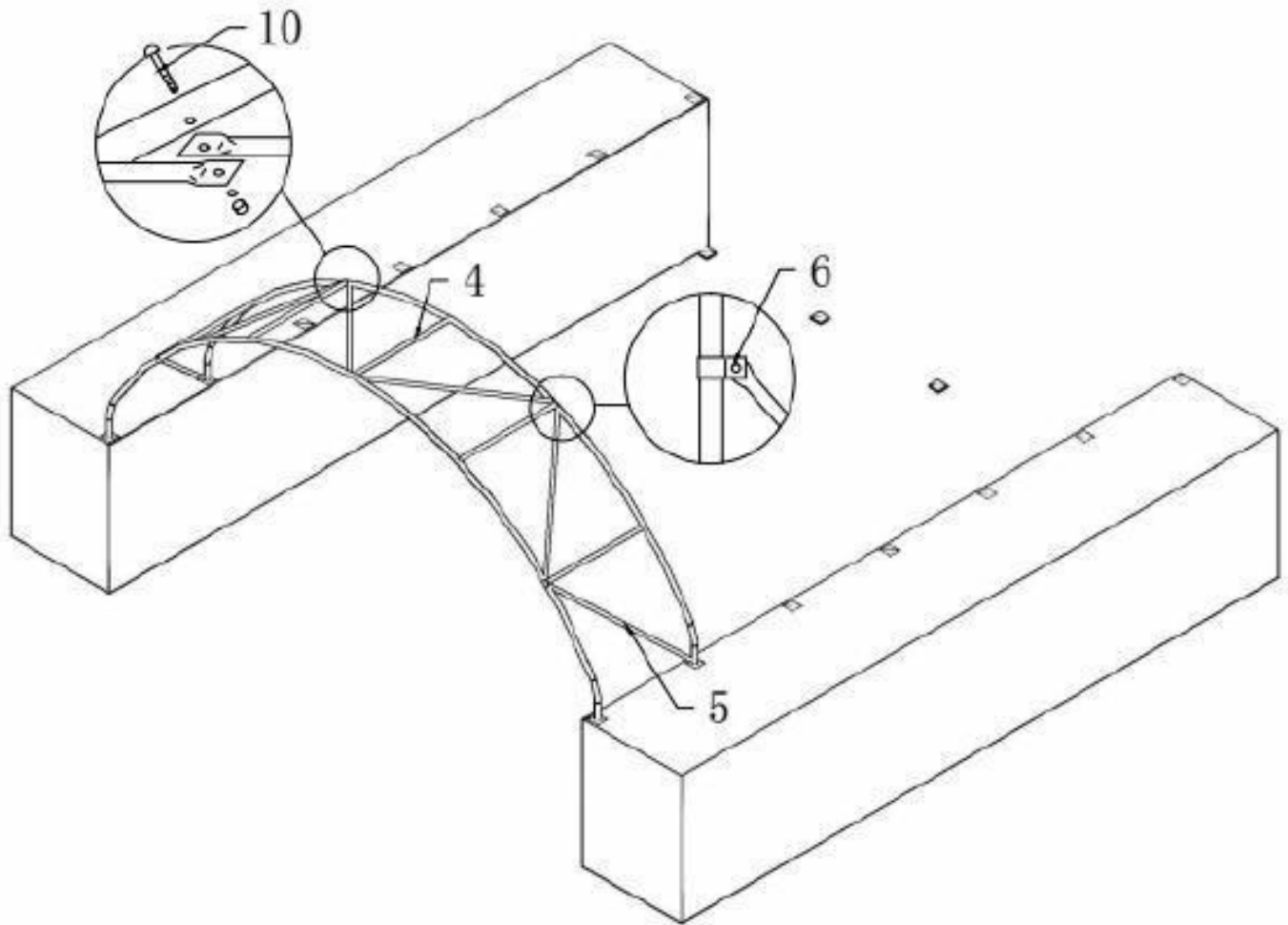


**CAUTION**

Do not install the bolt on top of the truss, where the fabric will rest, as it can tear the fabric.



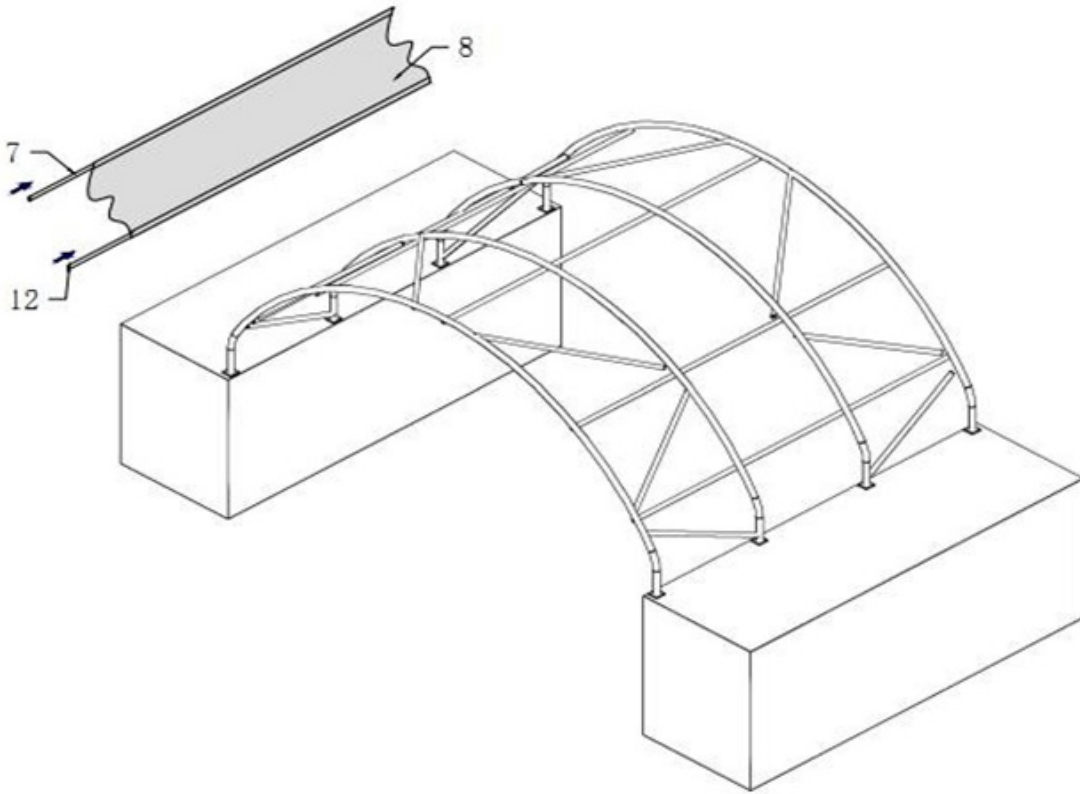
*Figure 7 (C2620)*



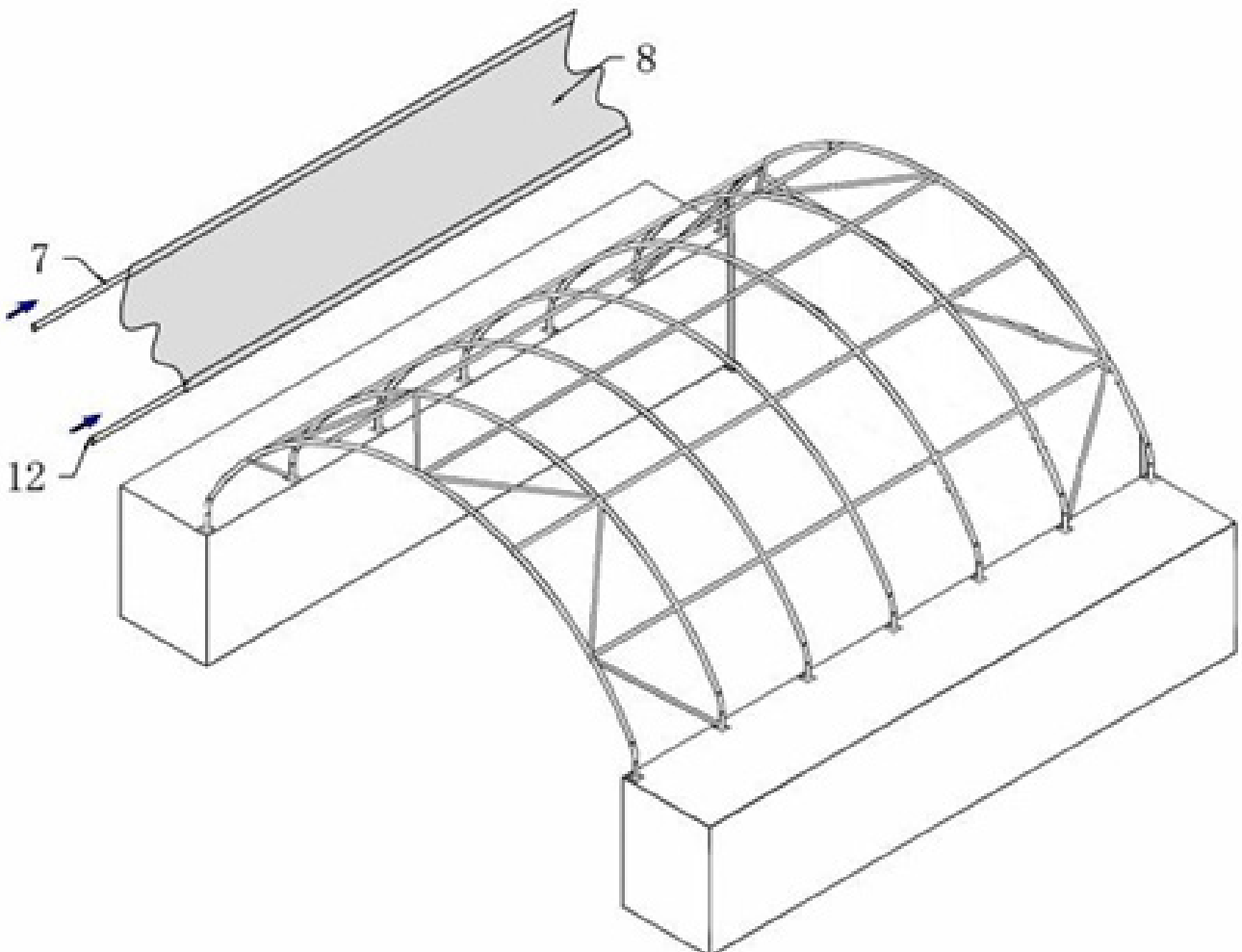
*Figure 8 (C2640)*

## FRAME INSTALLATION

1. Erect the assembled first arch to the standing position. Insert one end of the assembled arch into one base plate and force the other end of the arch into the opposite base plate, as shown in *Figures 5, 6, 7, and 8*.
2. Install the second arch in the same manner immediately after installing the first arch, and connect the two arches using connection purlins (component code 4). Secure the purlins using M10 X 80 mm bolts (component code 10), as shown in *Figures 7, 8, 9, and 10*. There are five pieces of connection purlins between two group arches.
3. Install the third arch and connect the connection purlins. Install all the other arches in the same manner and connect the purlins, as shown in *Figures 9 and 10*.
4. Finally, install the supporting tubes (component code 5) between the first and last group of arches and connect using M8 x 70 mm bolts (component code 9) and clips (component code 6), as shown in *Figures 7, 8, 9, and 10*.
5. Tighten all the frame bolts, connection purlins, and supporting tubes adequately before installing the roof cover.



*Figure 9 (C2620)*



*Figure 10 (C2640)*

## ROOF COVER INSTALLATION



### WARNING

Do not install the roof cover onto the frame in high wind conditions.

### NOTE:

A slight breeze is the most advantageous for roof cover installation. To take advantage of the breeze, gently pull the cover up over the arches using ropes, with breeze blowing in the cover like a sail filled with air.

1. Unpack the roof cover (component code 8) and lay it open on the ground, parallel to the container shelter on one side.

### NOTE:

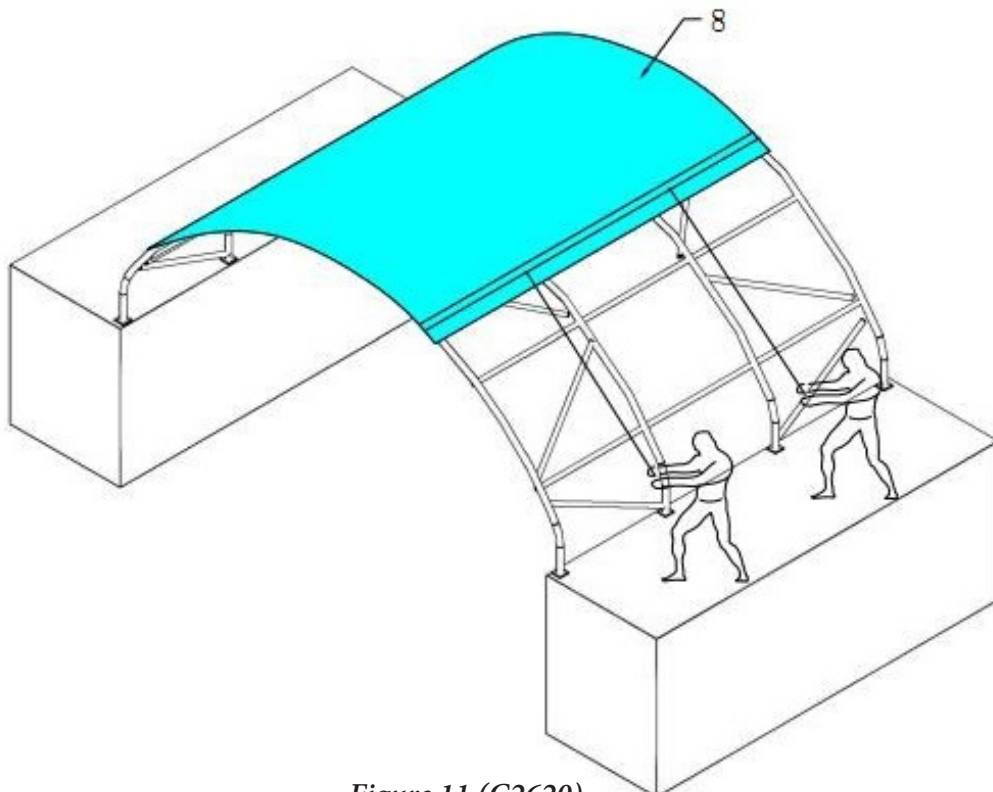
The inner surface of the roof cover has pockets to insert the lower tensioning tubes.

2. Insert the lower tensioning tubes for the roof cover (component code 7) into the pockets that are at the base of the roof cover, as shown in *Figures 9 and 10*.
3. Plug both the ends of the lower tensioning tubes with the Ø32 plastic plugs for the lower tensioning tube (component code 12), as shown in *Figures 9 and 10*.

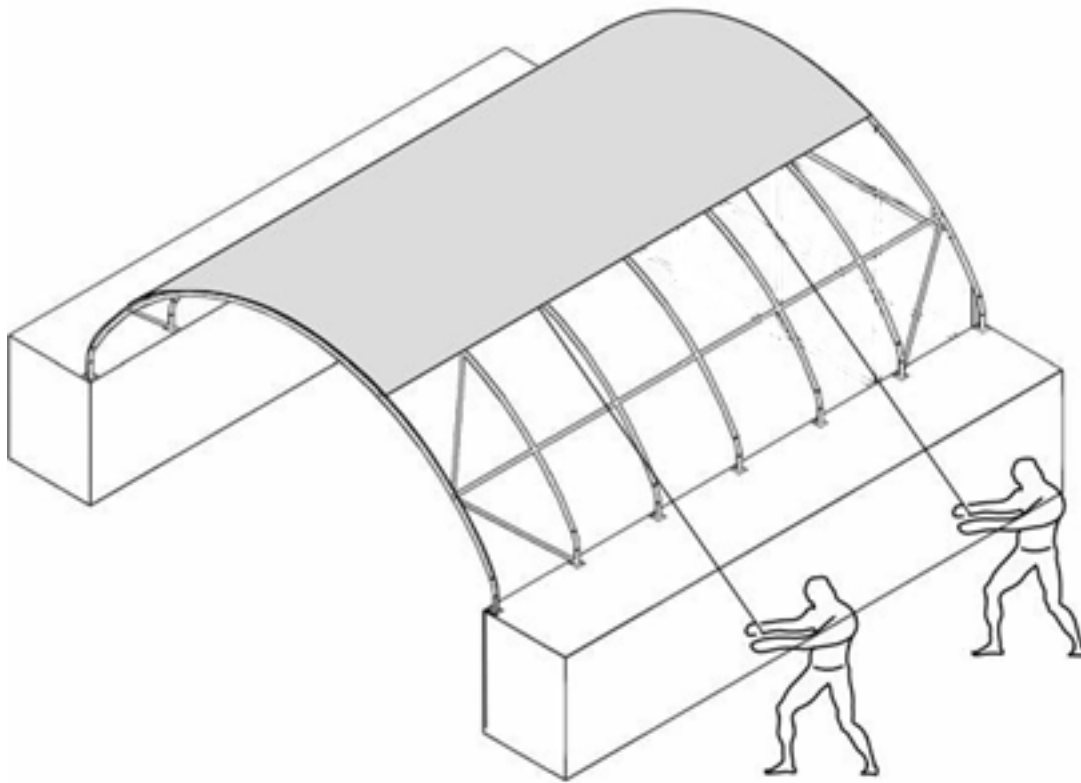


### CAUTION

Ensure that the roof cover does not get snagged on any part of the frame as it can result in tears.



*Figure 11 (C2620)*



*Figure 12 (C2640)*

4. Pull the roof cover over the frame evenly, carefully, and slowly as shown in *Figures 11 and 12*. Use the ropes that have been attached to the roof cover to pull the roof cover over the frame.



**CAUTION**

Ensure that the roof cover does not get snagged on any part of the frame as it can result in tears.

5. Adjust the cover such that it is evenly centred on the frame, and smoothen to remove all wrinkles on the cover, as shown in *Figures 11 and 12*.
6. Make small slits in the cover pocket at the ends of the roof cover, using a scissors, for the ratchet tie-down straps (component code 13) to go through. The cuts should be made exactly at the ratchet locations. Loop the ratchet tie-down strap around the lower tensioning tube through the cuts on the cover, to secure the lower tensioning tube. Pull the ratchet tie-down straps through the reels of the ratchets, which are attached to the base plates, and crank the ratchet back and forth till the roof cover is taut, as shown in *Figures 13 and 14*.
7. For the C2620 shelter, weld the 4 angle seats (component code 14) on the two containers (2 angle seats per container on the front and back), as shown in *Figure 15*.



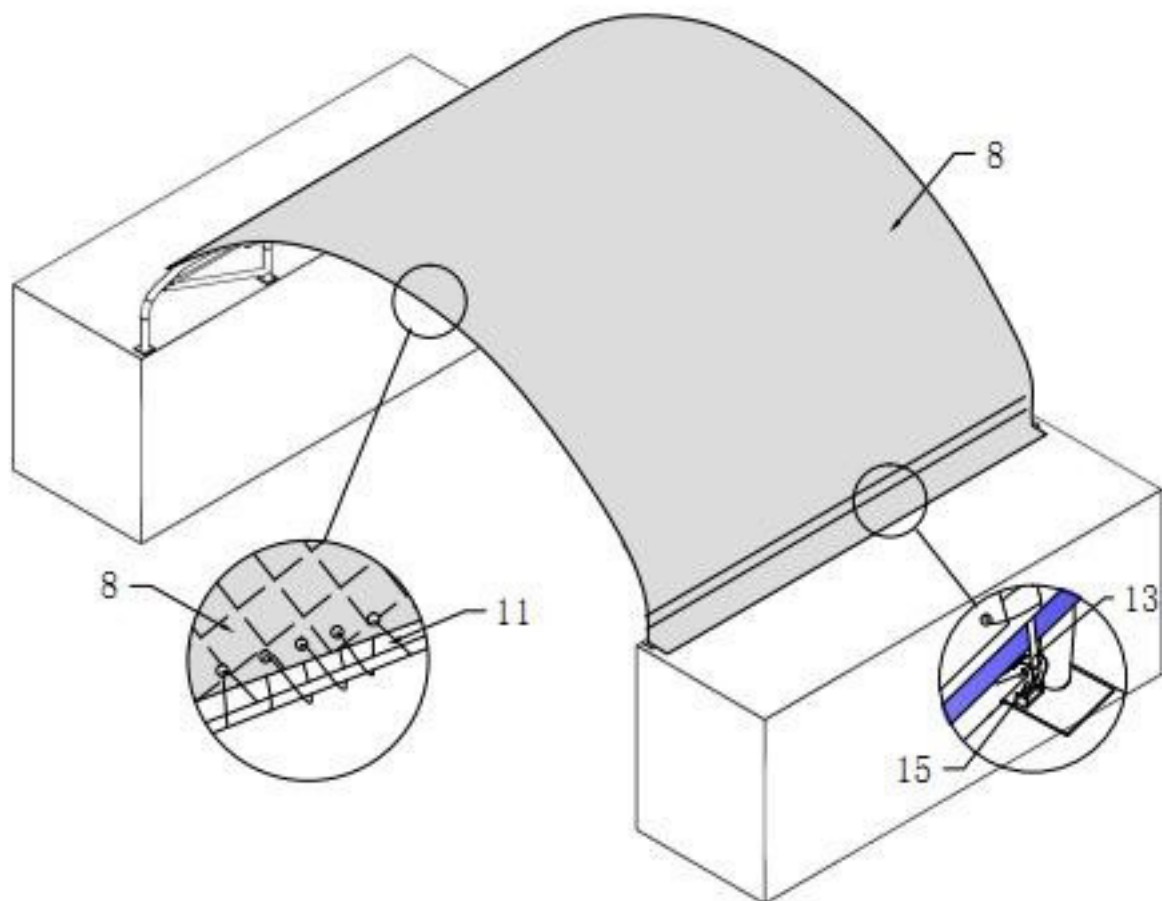


Figure 13 (C2620)

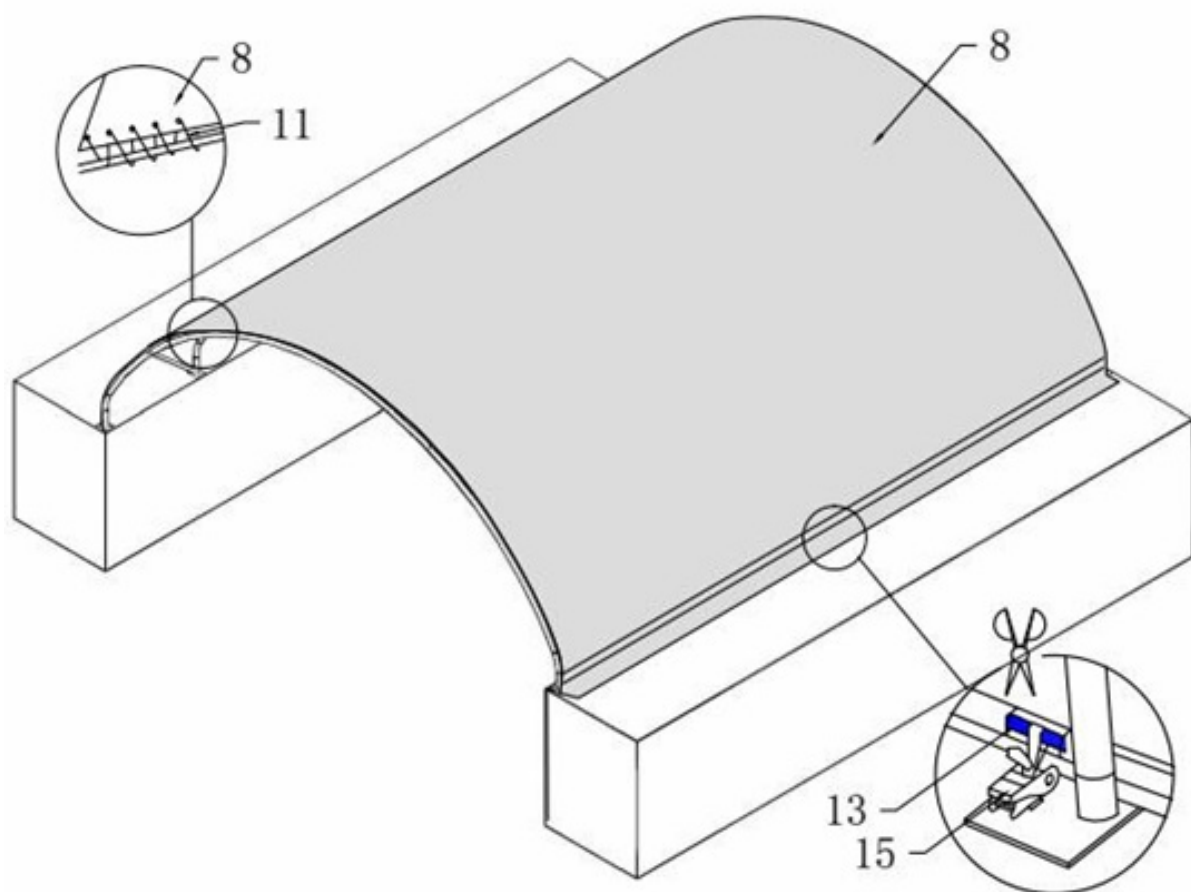


Figure 14 (C2640)

8. Use the ropes (component code 11) to lace the roof cover grommet flaps around the front and rear arches of the frame, as shown in *Figures 13 and 14*. Start at the top middle of each arch, and lace down to the sides. You can add rope length by tying pieces together or cutting the rope as necessary.
9. Finally, for the C2620 shelter, tie the roof cover to the angle seats, as shown in *Figure 15*.

**NOTE:**

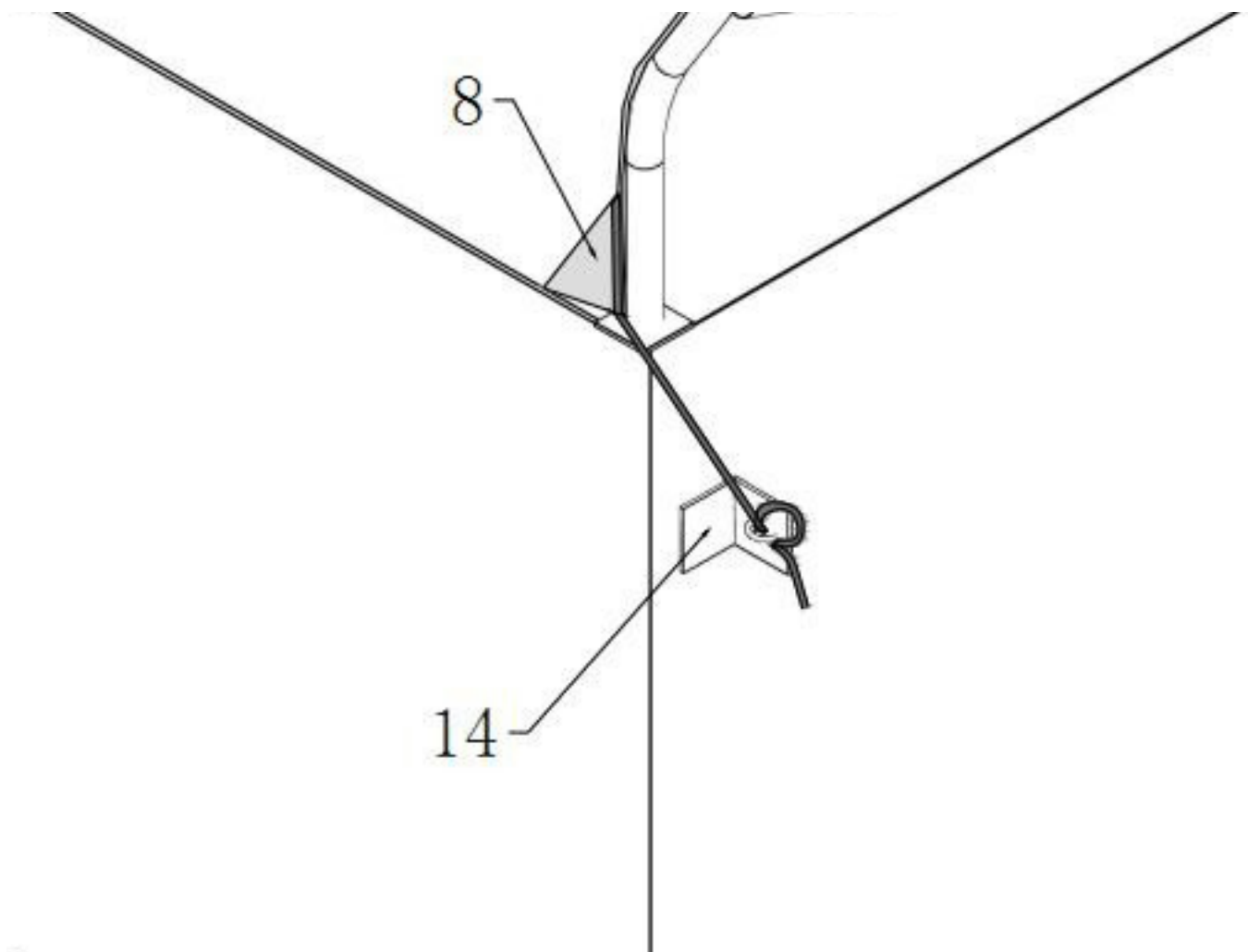
Ensure that you do not over tighten the lacings.

10. Your assembly is now complete.



**WARNING**

Never leave the roof cover unattached under any circumstances until the final assembly and tightening have been completed.



*Figure 15 (C2620)*

## NOTE:

Use duct tape to close the gaps in between the steel frame after installation of the shelter, if required, as shown in *Figure 16*. Duct tape is also used on some tube connections near the top of the frame to ensure that the roof cover doesn't tear from rubbing against sharp corners.



*Figure 16*

## MAINTENANCE

- It is mandatory to tighten the roof fabric enough to avoid “hammocks” on the roof and retighten the roof fabric regularly. This maintenance procedure is crucial as the roof fabric tends to be stiff in the cold season (autumn and winter) and slack during summer. Hence, the roof fabric should ideally be retightened before the next winter.
- Adjust the roof cover every month to ensure you always have a flat and tensioned roof cover.
- Inspect the shelter regularly, and replace damaged components.

INSTALLATION PHOTOS





## HARDLIFE ADVANTAGE



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United Kingdom

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