



CONTAINER SHELTER ASSEMBLY MANUAL

Model: EMC-C2020D

Size: W6m×L6m×H2m



Congratulations on your purchase of our instant shelter. This unit is a combination of excellent manufacturing and design. It is comprised of a rigid frame and a durable cover. For easy assembly, we have marked all the parts with codes. With proper installation, use and maintenance, your unit will provide many years of good and suitable service.

READ ALL THE INSTRUCTIONS BEFORE ASSEMBLY !

1. The proper erection and installation of this building requires a high level of care and safety. We recommend the safety regulations be complied with during the installation. It includes but is not limited to:
 - Safety hats, protective eyewear and protective clothing
 - Safety harnesses for all elevated workers
 - Proper ladder, cage, and safety operation
2. Site selection: Choose a solid level location for your building. Do not install the building where the ground could not keep the building steady. Do not install the building where the ground could not bear the weight of the building. Do not install the building in soft grass ground or wetland.
3. Be cautious with the surroundings. Keep work area clean. Do not set up it near snow drifts, in slippery places, or in wet location. The cover of the building will protect against normal falling leaves and light debris, however, large, fast or sharp falling items etc. may cause a puncture or tear in the cover material. So, keep the building away from such harmful things. Be careful with power and heat sources. Don't keep heat sources near the tarpaulin. Don't expose to open flame.
4. Chose a windless day to install the building. It is very difficult to attach the cover in heavy wind.
5. All snow accumulation on the main cover should be removed as soon as possible. Otherwise, when old snow on the roof becomes hard with new snow falling in, it will increase the burden of the roof badly and will damage the roof.
6. Try to keep the building, especially its base, in a dry condition. This will help the building to have a longer life than keeping it in a wet conditions.
7. The user should be responsible for the parts missing or damage occurred during the installation.
8. Don't make alteration of the frame. Don't hang anything besides included parts to the frame. Damages, consequential damages, or injuries caused by improper installation, alteration, improper use, or damages caused by snow, wind, or any acts of nature are owing to the user. The building is not intended for occupancy for any length of time.

ASSEMBLY PROCEDURE

1. Prepare location and place all unit boxes near location sight. Perform an inventory check before beginning, to be certain all components are available for installation.
2. Secure base plates flanges to base surface.
3. Assemble every group of arch.
4. Begin frame assembly with front end arch, first interior arch, purlins, etc.
5. Add to assemble other groups of arches.
6. Install main cover over frame.
7. Install end covers over end panels.

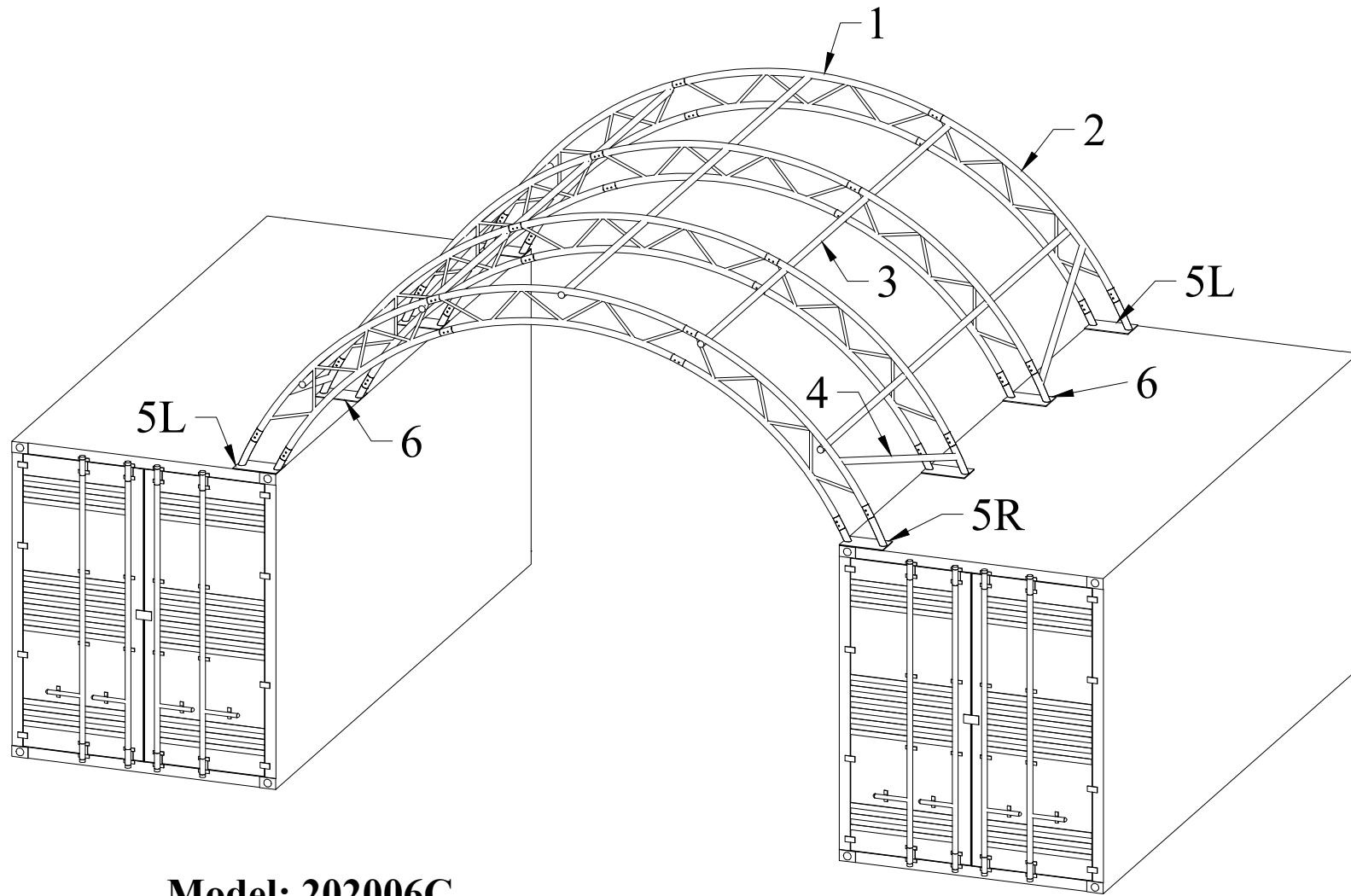
Read all the detailed instructions and notices in the following assembly instructions!

MAINTENANCE AND CARE

1. If some parts or the cover were accidentally damaged during the use, contact the local supplier for advises on the repairing method or replacements, so that to prevent from further damage and keep the building in a good condition.
2. When replacing the parts, make certain the whole frame and the parts connected to the replaced parts be well fixed or supported.
3. Same with when attaching the cover, choose a windless day to replace the cover. Begin with making certain all the bolts of the frame and the tensioning equipments be well fixed. When taking off the cover, make sure the related ropes, etc. be taken off, and the cover will not be blocked during the way. Avoid taking off the cover with heavy big power equipments.
4. For the building with mechanical door. Keep the door closed if it is not used for long time. This helps the mechanical door to have a longer life.
5. To enlongate the life of the cover, put small duct tape or foam rubber (provide it by yourself) on the frame that comes to in contact with cover. The tape and foam rubber acts as a cushion to avoid rubbing damage to the cover over years.
6. Periodically(once in half a year or more often), the building should be completely inspected and maintained internally and externally to make certain the building remains properly installed and secured. Including: check all bolts and hardware connectors to be certain they are in place and tightened, the base plates are still fixed firmly, check and adjust the ropes if in need, clean the cover with suitable washing. Allowing dirt and debris to sit on cover over an extended time will damage cover irreparably.

Thanks again for choosing this quality product. The following is the detailed assembly instructions for you starting the assembly.

Part Code	Description	Quantity
1	Top roof tube	4
2	Sidewall tube	8
3	Horizontal tube	15
4	Diagonal bracing tube	4
4A	Clips	8
5L	Base plate for left corner	2
5R	Base plate for right corner	2
6	Base plate for sidewall	4
	Ratchet	8
7	Tensioning tube for roof cover	6+2
8	Hexagon bolt M10*75	70
9	Carriage bolt M10×85	22
10	Hexagon bolt M10×30 for clips	10
11	Plastic cap	4
12	Roof cover	1
13	Rope for cover installation	4
14	Band for ratchet	8
15	Anti wear pad	16
16	Corner ratchet	4



Model: 202006C

Size: L6m x W6m x H2m

Figure 1 Sketch of Trussed Frame Shelter Size: L6 x W6 x H2m Sit the building boxes in the chosen location. Remove all the components from packaging to ensure all components are present by checking with the Part List.

STEP 1 - BASE PLATE LAYOUT & SECURING

1. Secure base plates to the container tops, ensuring that the outside of outer portal to outside of outer portal measurement is 6m. The distance between every two adjoining spigots at each side is 2m.
2. Weld the Base Plates to the container tops (the welding can through the 4 holes on each base plate)

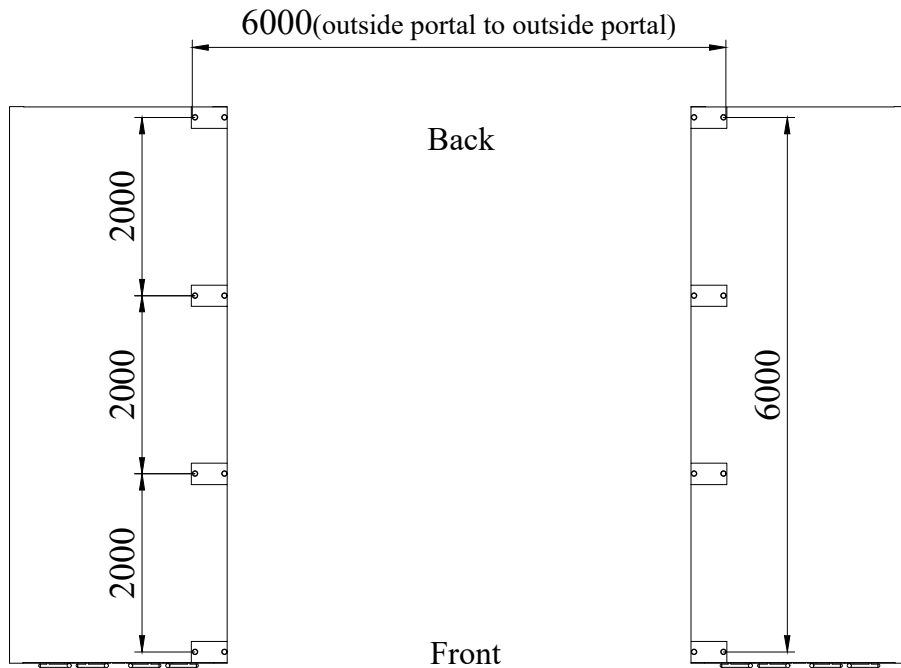


FIGURE 2: POSITION OF BASE FLANGES

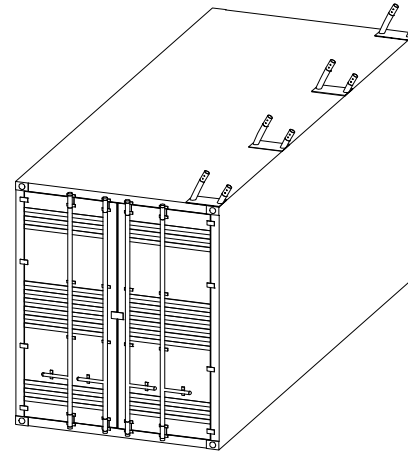
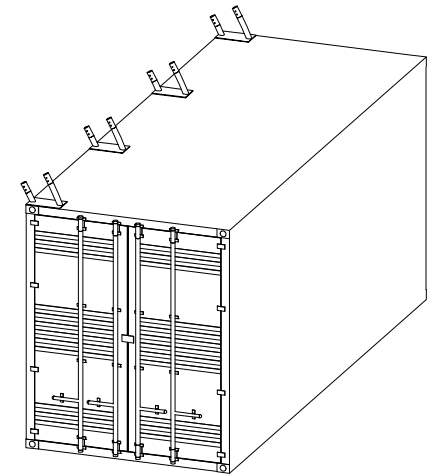


FIGURE.3:BASE PLATE FOUNDATION 3D VIEW



STEP #2 --ARCH ASSEMBLY

1. Assemble ALL the arches including the base plates, and LAY them on the ground first. **DONOT** erect them until you finish all the arches assembly.
2. Assemble parts 1/2 and bolt them together using bolt part #8.

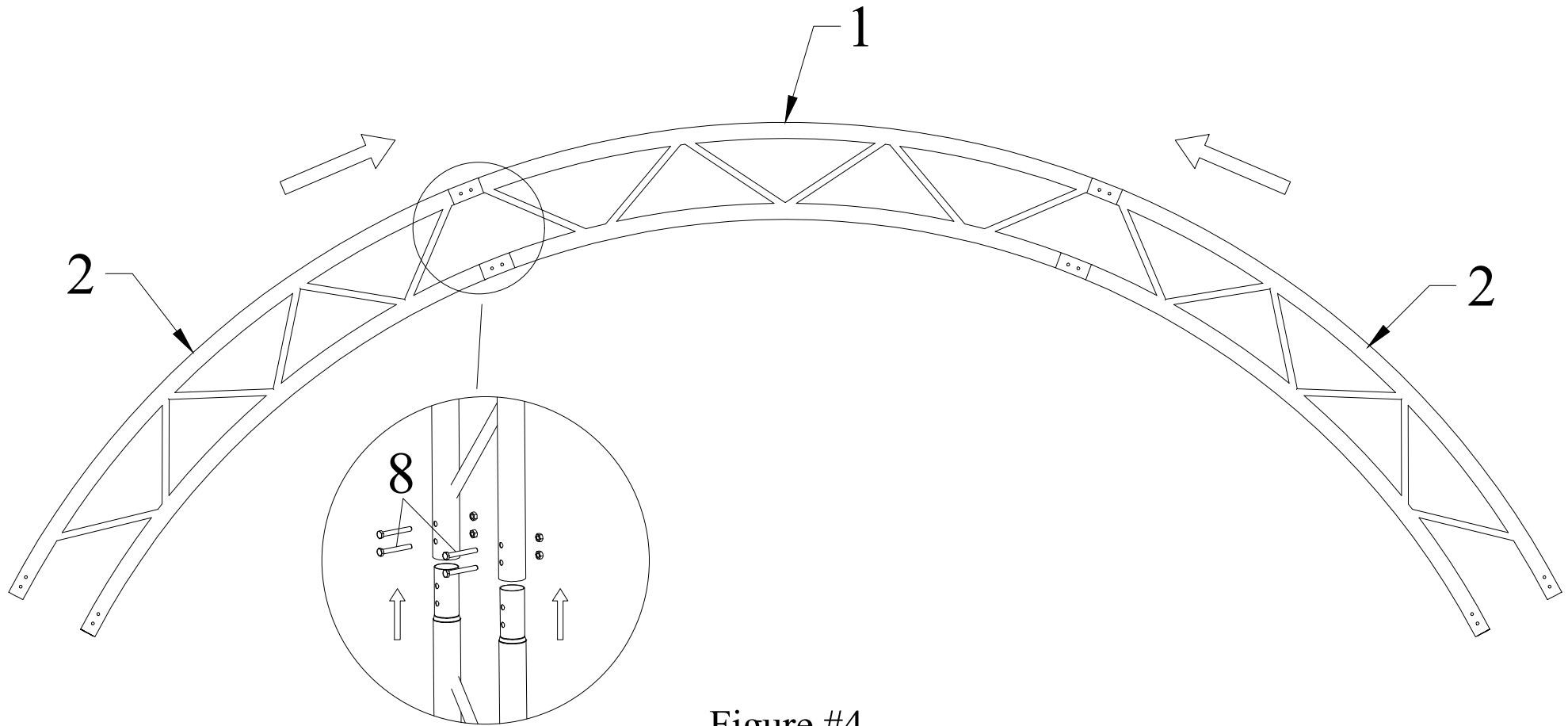


Figure #4

STEP 3 - FRAME ASSEMBLY Continued

1. Secure each portal into the spigots of the base plates.
 - first secure one side, then ease in the other side to fit onto the spigot of the opposite side.
2. Bolt in position using part #8.

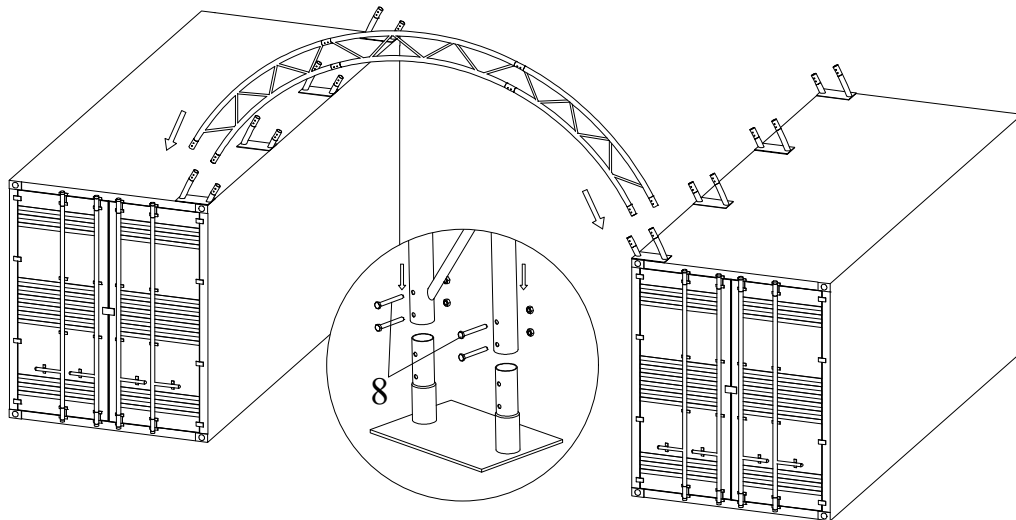
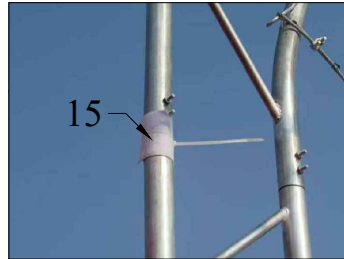


Figure #5 --ERECTING ARCHES

- STEP 4** Immediately after erecting the front arch, erect the 2nd arch in the same way. Then connect the two erected arches using Roof Purlin Tubes as figure 6 shows. Secure the Roof Purlin tubes into place using carriage bolts and nuts (Part #9).

APPLYING ANTI-WEAR PAD
Installation tip: it is critical to monitor and maintain the anti wear Pads overtime as it is much more cost effective to replace anti wear Pads than an entire tarp.

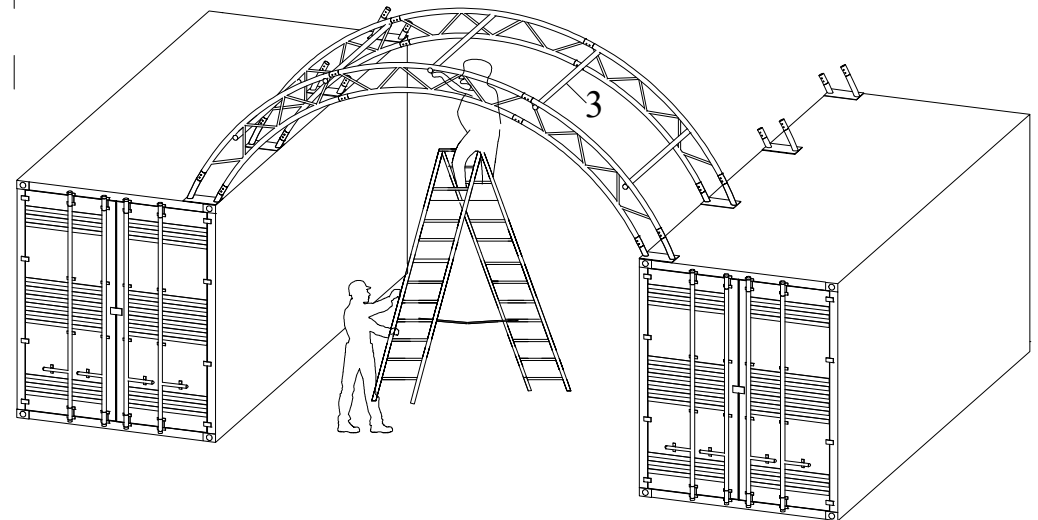
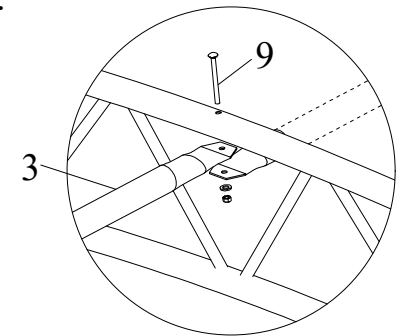


Figure #6 --Assembling Roof Purlins

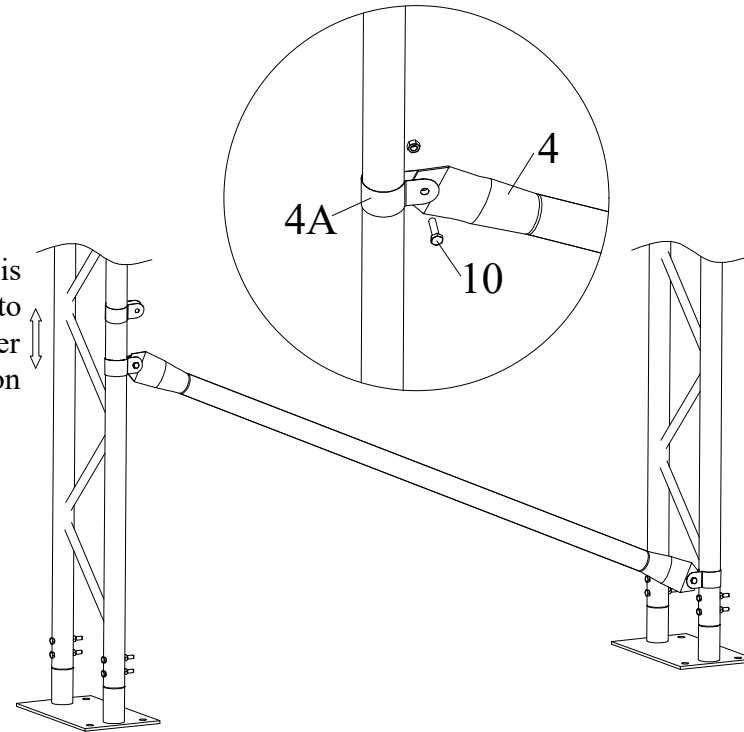
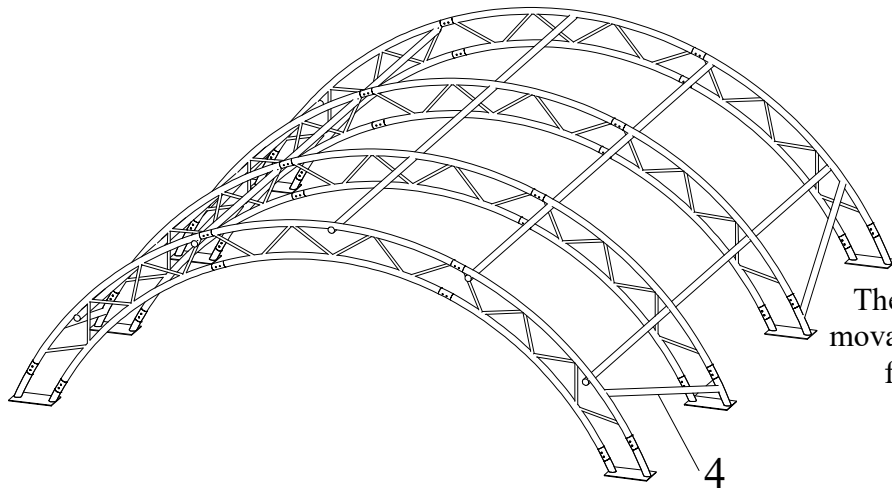
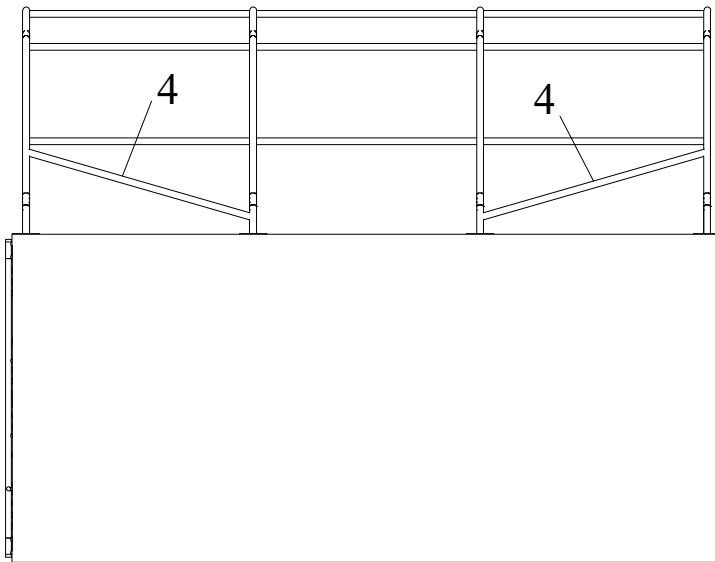


Figure 7: Wind Brace Supports(Part 4)

Next install the Wind Brace supports that connect the Front Arch to the first Interior Arch. The Wind Braces give the arch assemblies strength as a unit. Use Bolt M10X30 (Part #10) at the end of each Wind Brace Support to secure.

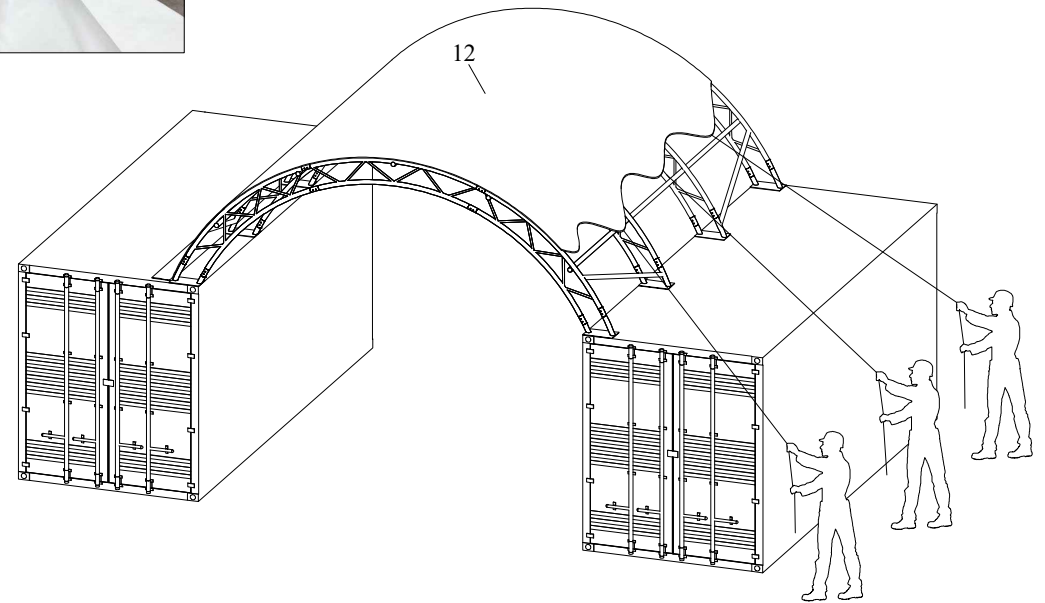
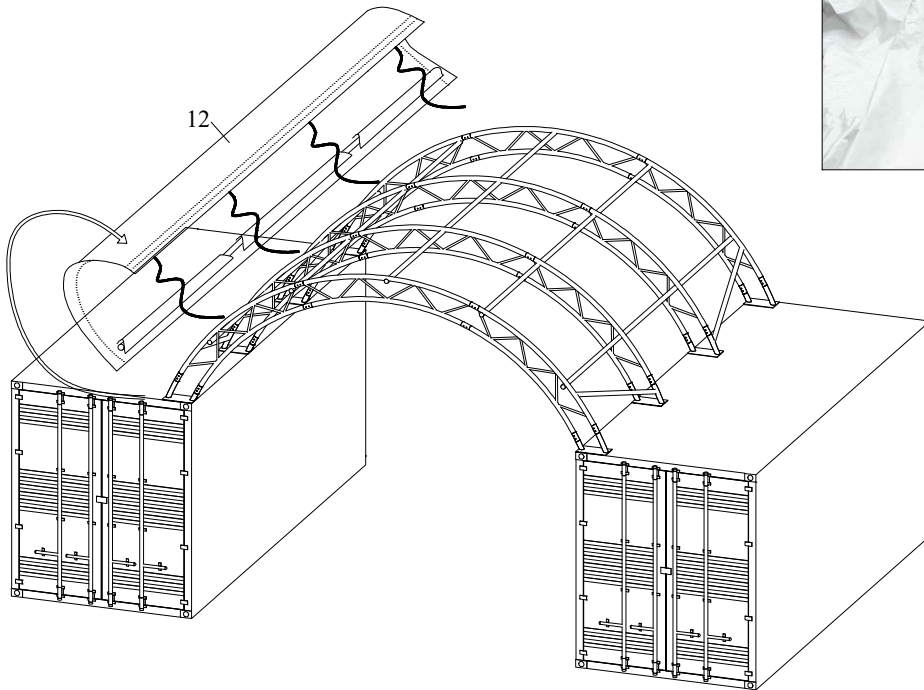
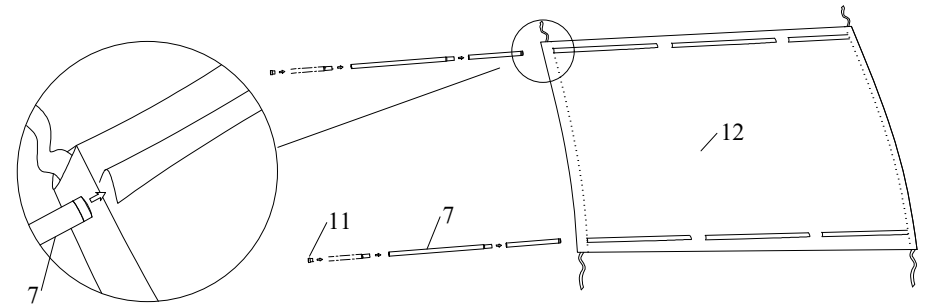
Continue to install other Arches Assemblies in the same manner. Overlap pinched ends of Roof Purlin onto same carriage bolts inside frame assembly.

Next check entire frame assembly for square and plumb. Adjust Wind Braces and Roof Purlin as necessary to bring frame into plumb. Next tighten frame bolts adequately.



STEP 5 - COVER INSTALLATION

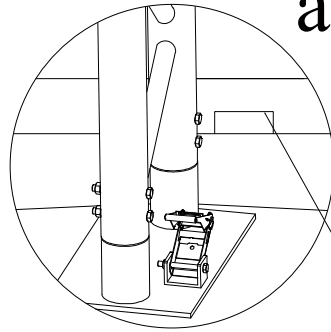
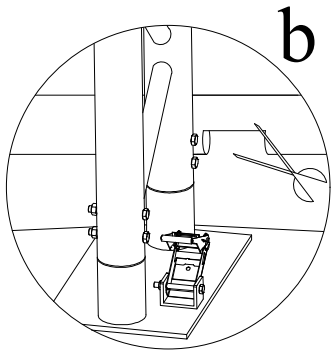
1. Slide the cover over the frame from one side to the other, not end to end.
2. Tension the ends FIRST by pulling and tensioning the ends of the cover using the nylon webbing already threaded through the cover. Tension evenly at both ends and tie off securely.
3. Push tube to very end of sleeve. Feed tube back into sleeve end(centre the tube in sleeve).
4. Insert nylon webbing over tube. Feed ends into tie down. Do not fully tension.
5. Put the Plastic cap (#11) into the two ends of cover tensioning tube.



NOTE: Ensure the cover is the right way around and have an even amount of cover overhanging at both ends of the frame. Sleeves are on the underside and are on the sides of the cover only.

Figure 8 Pull the Roof Cover over the frame evenly

Then make the cuts using
forfex along the outlines.

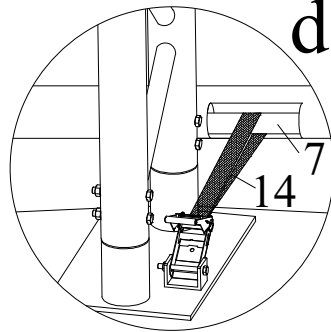
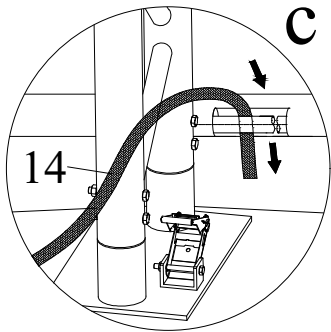


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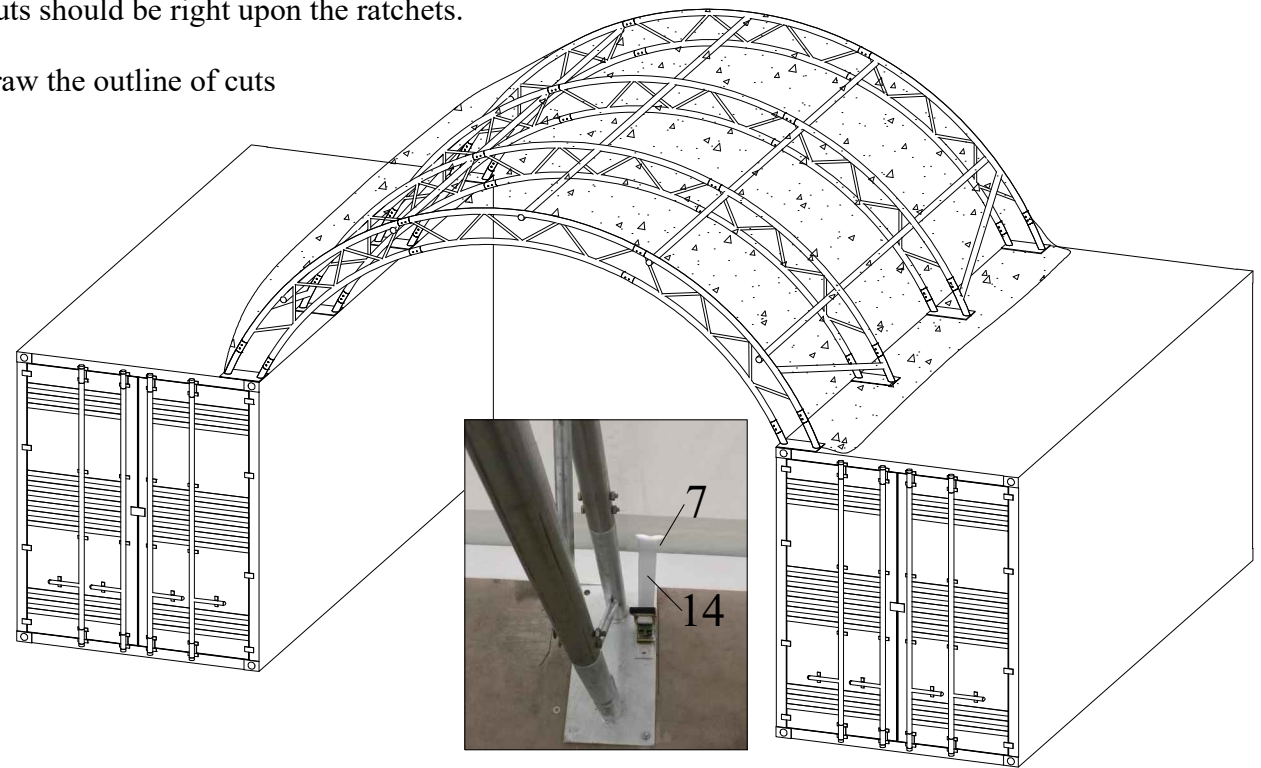
Before inserting the cover tensioning
tube(Part #7) into pocket of roof cover,
you need to make cuts for band of
Ratchet on the cover first. Firstly please
draw the outline of the cuts according to
the position of Ratchet. The position of
cuts should be right upon the ratchets.

draw the outline of cuts

First circle the band for tie down
ratchet(Part #14) around the tensioning
the reel of the ratchet, and
tube through the cuts on the pocket of tension the band by ratchet.
the roof cover.



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STEP 6-COVER INSTALLATION Continued

1. Lace cover to end arches through eyelets then fully tension.
2. Fully tension tie down evenly on each side.
3. Tension the corners of roof cover by the rachets at 4 corners(part #16).
4. Double check all knots are secure and cover is well tensioned and stretched onto frame.

NOTE: The cover shall always been well tensioned! If there is any damage to the straps and ropes, they should be repaired/replaced ASAP, to prevent any further damage to cover.

