SHELTER
ASSEMBLY MANUAL
Model#7012028DP
(W70H28DP SERIES)
Size: W21.35mxL36.6mxH8.54m

SPECIFICATION

Length: 36.6m Width: 21.35m Height: 8.54m
Door dimension: W5.49mxH4.88m

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 User Friendly assembly 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's necessary to tighten the roof fabric enough to avoid "hammocks" on the roof and also re-tighten once or twice again after a few months of use. This is important when assembly in cold weather (autumn and winter) because the fabric is stiff then and when we got the sun and warm weather afterwards it will make the fabric "slack" again and need to be re-tighten before next winter.

It's **the owners responsibility** to take of snow immediately if not slide of by itself.

READ ALL INSTRUCTIONS BEFORE ASSEMBLY

1. Keep work area clean. Cluttered areas invite injuries. Do not set up near snow drifts, in slippery places, in high winds, or wet location.

2. Keep children away. All children should be kept away from the work area. Be aware of personal safety. Be careful not to pinch fingers with clips and tubes when assembling: when using makes sure there is adequate ventilation for exhaust and other dangerous fumes.

3. Do not over reach. Keep proper footing and balance at all times.

4. Do not assemble if under the influence of alcohol or drugs. Read warning labels on prescription to determine if your judgment or reflexes are impaired while taking drugs. IF there is any doubt, do not assemble.

5. Be aware of possible windy conditions; fasten the base in concrete if these situations may occur. Remove the cover during hurricane.

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 fingers with clips and tubes when assembling when using makes sure there is adequate ventilation for exhaust and other dangerous fumes.

THINK SAFETY, EVERY DAY!

Parts List --8ft Arch spacing		
Part	Description	Quantity
1	Top bent tube	14
1A	Top bent tube for front and back door	2
2	Upper bent tube	28
2A	Upper bent tube for front and back door	4
3	Middle bent tube	28
3A	Middle bent tube for front and back door	4
4	Lower bent tube	28
4A	Lower bent tube for front door and back door	4
5	Shoulder bent tube	28
5A	Shoulder bent tube for both doors	4
6	Lower standing leg	28
6A	Lower standing leg for both doors	4
7	Inner sidewall base plate	28
7L	Left base plate for corners	2
7R	Right base plate for corners	2
7A	Small base plate	30
7B	Base plate for connecting roof cover	4
7C	Stake peg	220
7D	Ratchet	70
8A	Inner base plate for mechanical door	4
8B	Side base plate for front and back door	8
9	Purlin	225
10L	Left lower door track for front and back door	2
10R	Right lower door track for front and back door	2
11L	Left middle door track for front and back door	2
11R	Right middle door track for front and back door	2
12L	Left upper door track for front and back door	2
12R	Right upper door track for front and back door	2
13	Side lower standing leg for front and back door	6
13A	Side lower standing leg for front and back door of connecting mechanical wheel	2
14L	Left upper standing leg for front and back door	2
14R	Right upper standing leg for front and back door	2
15L	Left upper shoulder standing leg for front and back door	2

15R	Right upper shoulder standing leg for front and back door	2
16	Horizontal tube for front and back door	20
16A	Shoulder horizontal tube	4
16B	Horizontal tube for mechanical wheels	2
16C	Side lower horizontal tube for front and back door	4
17	Cross beam for front and back door	4/2 groups
17A	Vertical tube for front and back door	2
17B	Inclined support tube	2
18	Steel wire for side wall	30
19	Clip	108
19A	Triangle iron plate	14
20	Steel wire on top	36
20A	Top vertical steel wire	14
21	Bottom tension tube for front and back door	12
22	Tension tube for roof cover	26/2 groups
23	Bolt M14*50mm	768 sets
23A	Bolt M12*40mm	32 sets
24	Carriage bolt M12*110mm	240 sets
25	Bolt M10*90mm	28
25A	Carriage bolt M10*90mm	24
26	Vertical support tube for doors	32/16 groups
27	Mechanical wheel	2
27A	Steel wire for mechanical wheel	2
28	Plastic plugs	28
29	Rope	1 bundle
30	Tension ball	4
31	Band for tie down ratchet	62
32	PPR tube	72/6 groups
32A	25 PPR tube	100
33	Bolt M10*30mm	48 sets
34	Small ratchet with straps	360
35	Roof cover	3
36	Front and back cover	2
	Tools	2

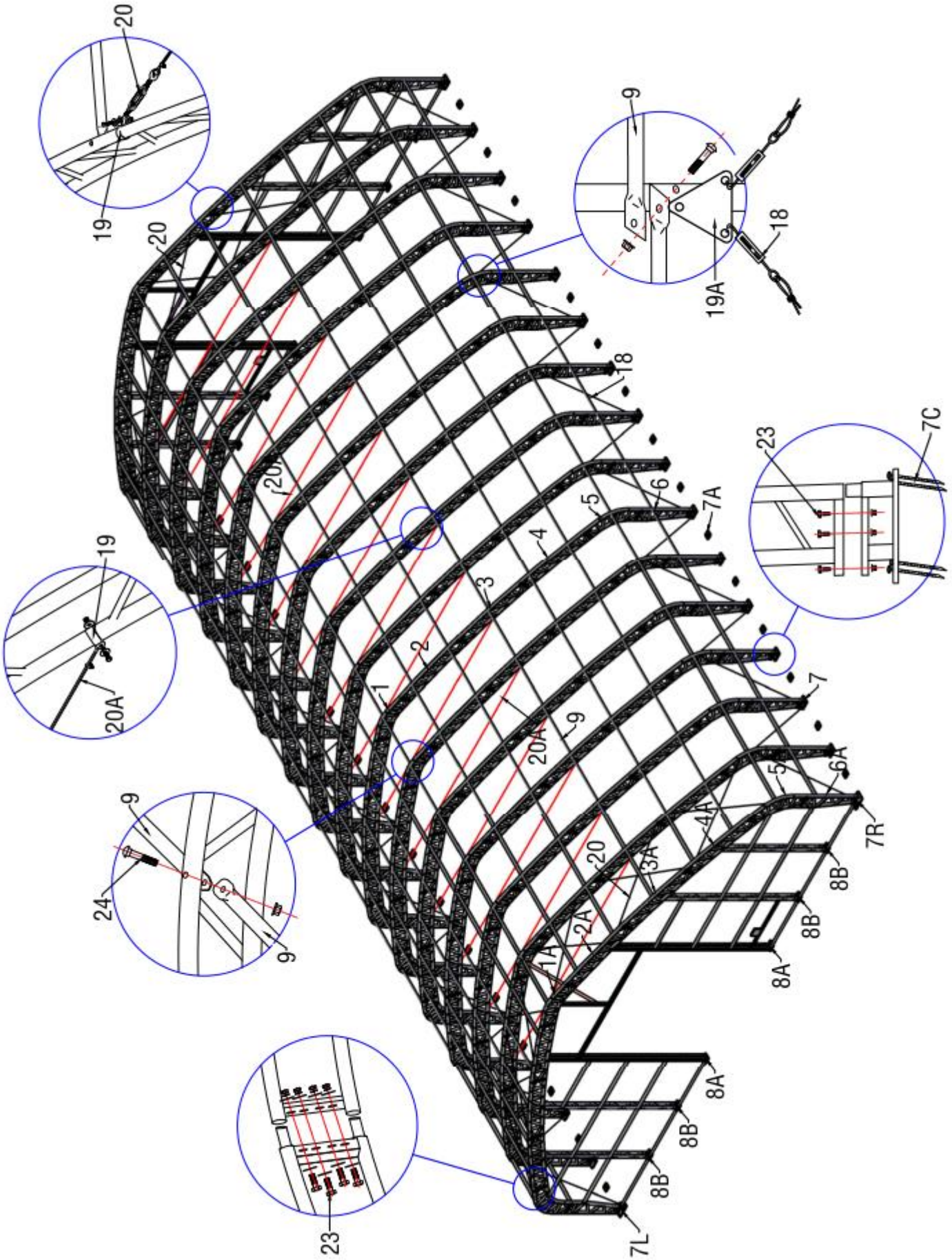

Figure 1: Sketch of Trussed Frame

Size: W21.35mxL36.6mxH8.54m

EQUIPMENT AND TOOLS FOR INSTALLATION

1. Measuring Tape
2. String for alignment
3. Stake
4. Ladder or Scissors Lift
5. Sledge Hammer
6. Drill
7. Wrench
8. Knife
9. Hoist

⚠WARNING

SAFETY TIPS

Always wear proper safety equipment such as safety glasses and gloves

INSTALLATION PROCESS

A---BASE INSTALLATION

Please refer to the diagram (Figure 2) to place the base plates:

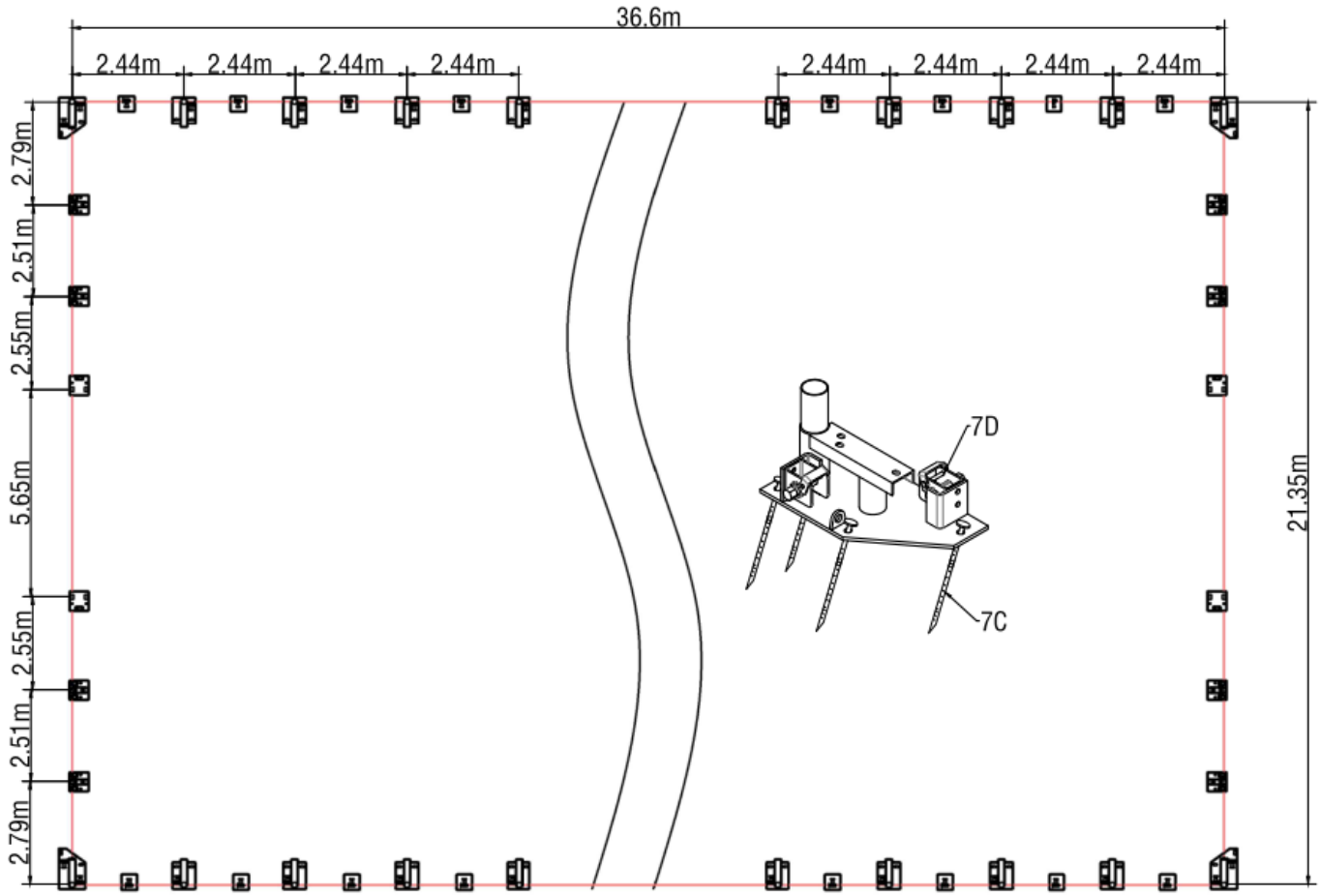

Figure 2 Foundation placement

1. The measurement is from center to center of tubes on the base plates. Referring to the above diagram and confirm the place of base plates. There are four holes on the plates for stake pegs.
2. Mark the stake peg hold through the base plate by using the stake peg. Move the base plates away and the mark determines where the stake peg will be.

Note: The stake pegs apply for normal conditions, not suitable to the rock ground, frozen soil and concrete ground.

B---FRAME INSTALLATION

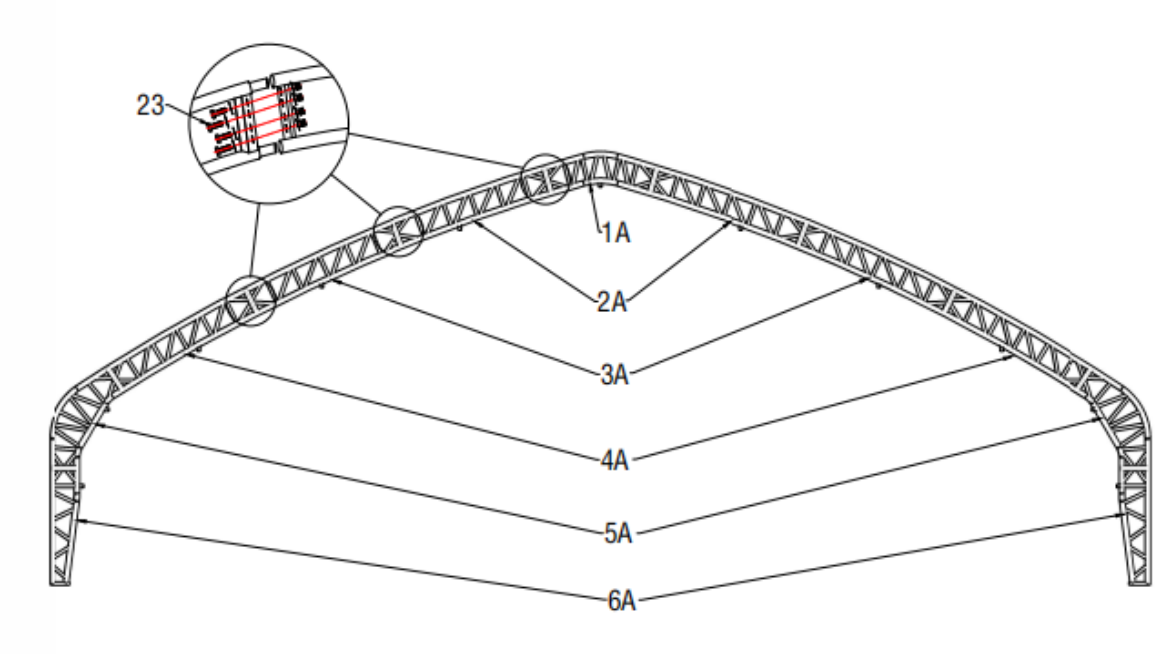

Figure 3

1. Figure 3 shows to connect the 1xtop bent tube (No.1A), 2xupper bent tube (No.2A), 2xmiddle bent tube (No.3A), 2xlower bent tube (No.4A), 2xshoulder bent tube (No.5A) and 2xlower standing leg (No.6A) with screw M14x50 (No.23), which makes in the first arch. Do not install the bolts on top of the truss frame where the fabric will rest.

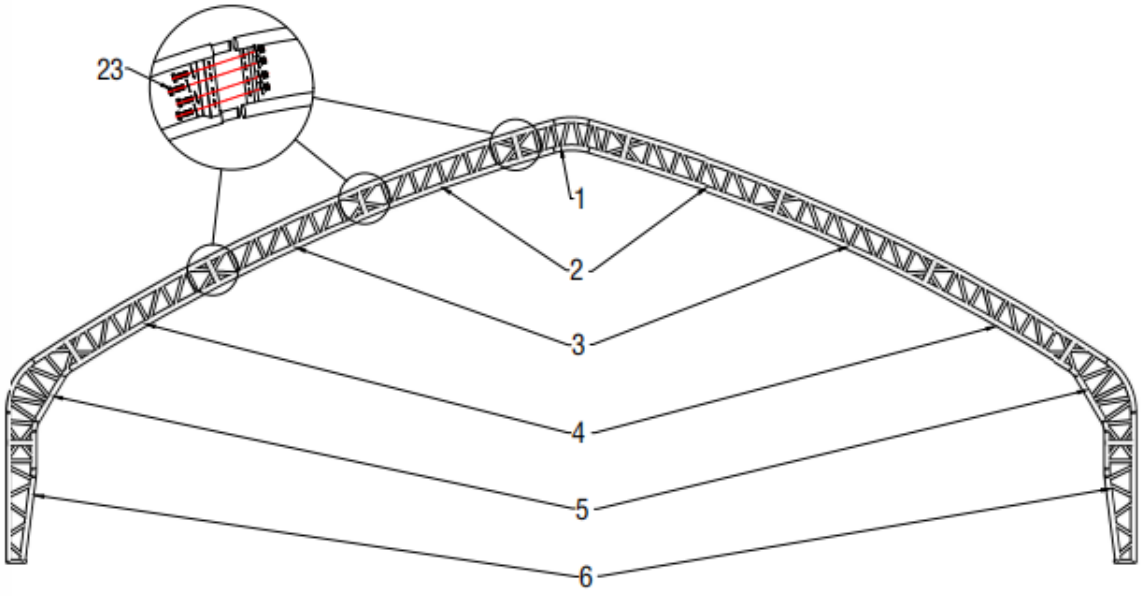

Figure 4

2. Figure 4 shows to connect the 1xtop bent tube (No.1), 2xupper bent tube (No.2), 2xmiddle bent tube (No.3), 2x lower bent tube (No.4), 2xshoulder bent tube (No.5) and 2xstanding leg (No.6) with screw M14x50 (No.23), which makes in the second arch. (See Figure 5). Do not install the bolts on top of the truss frame where the fabric will rest.

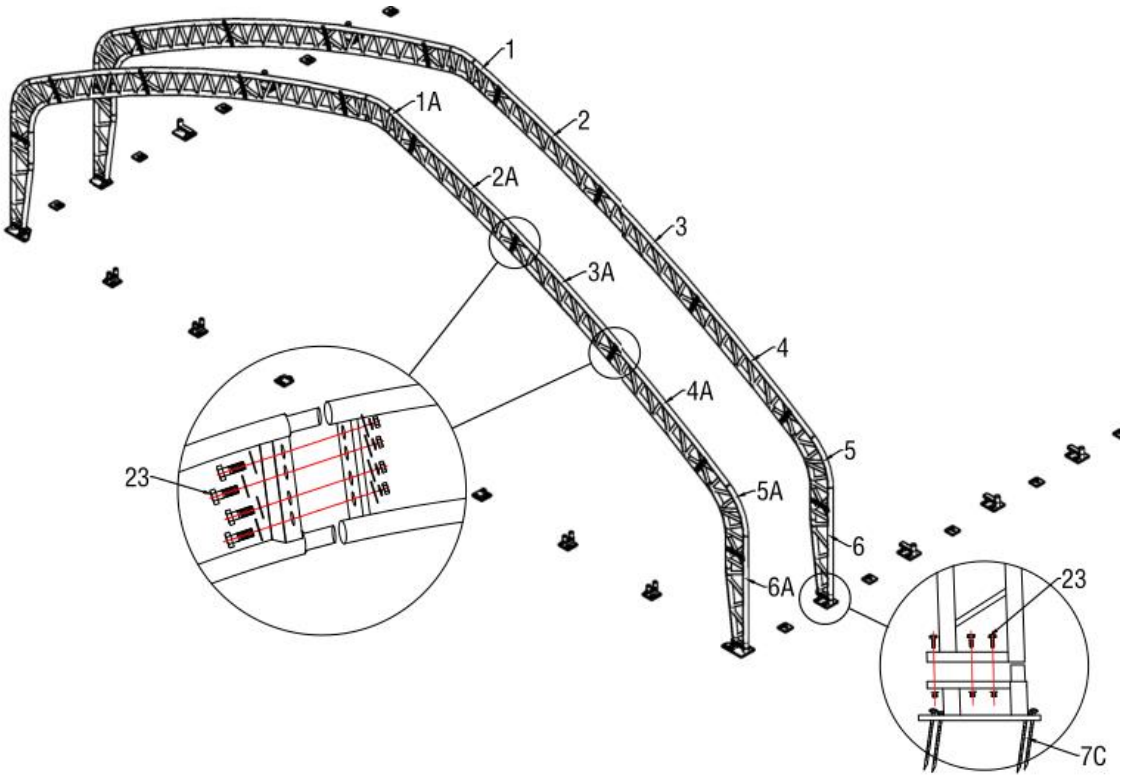

Figure 5

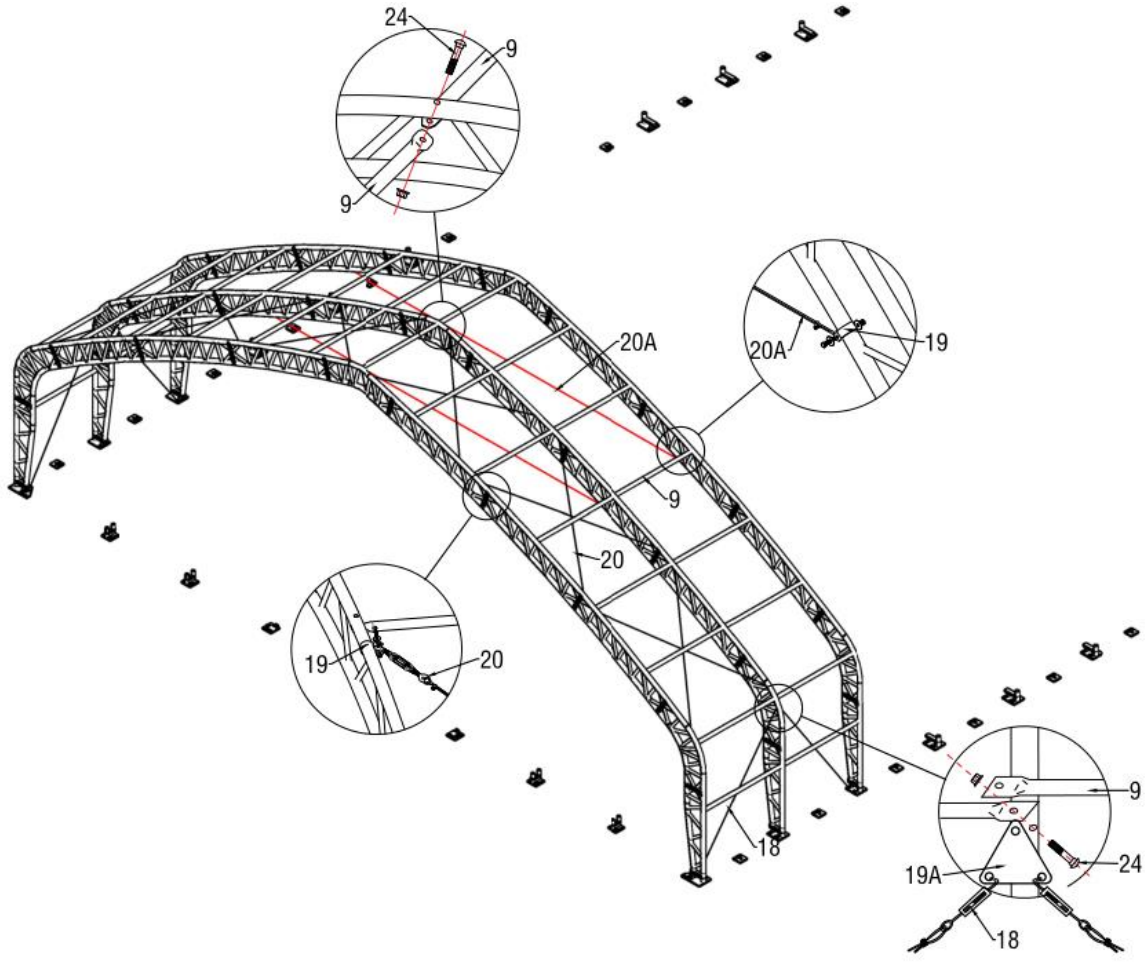

Figure 6

3. Connect purlin (No.9) to arch by using carriage screw 12x110mm (No.24) by turns (see Figure 6), then connect the steel wire (No.18, 20 and 20A) on side and top by using clips (No.19) and triangle iron plate (No.19A). Assemble every group of arch by turns. After installing other groups of arch frame and purlin, the assembly of the main frame is finished. (see Figure 1).

4.**Do not tighten down the nuts completely until frame is fully assembled and set in place, the arches, the front and back panel should be assembled well on the ground before erected into the base plate.**

C--- INSTALLING FRONT AND BACK DOOR'S FRAME

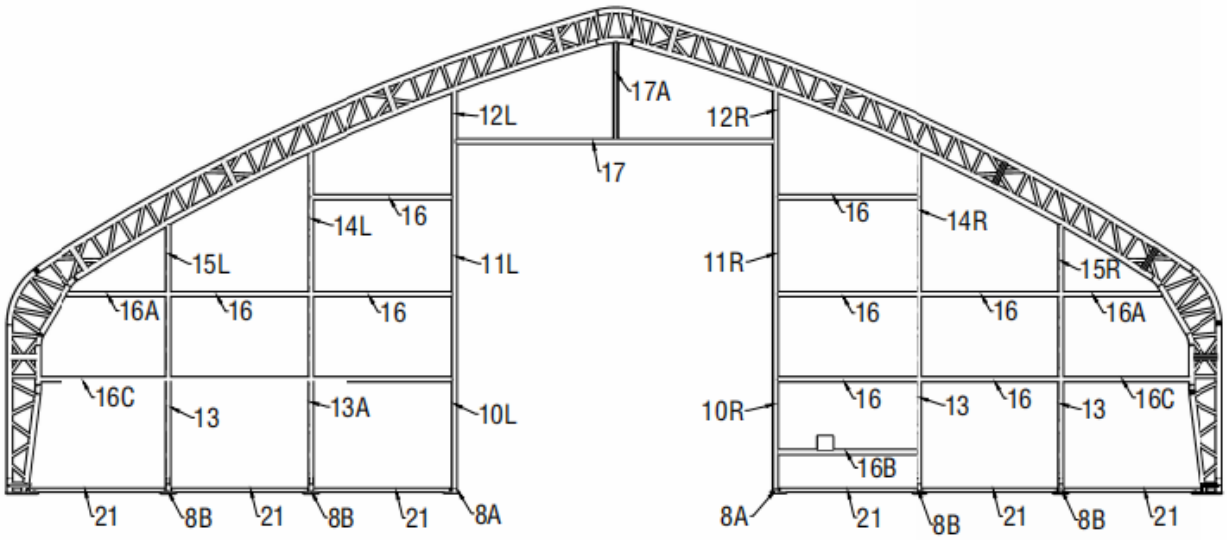

Figure 7

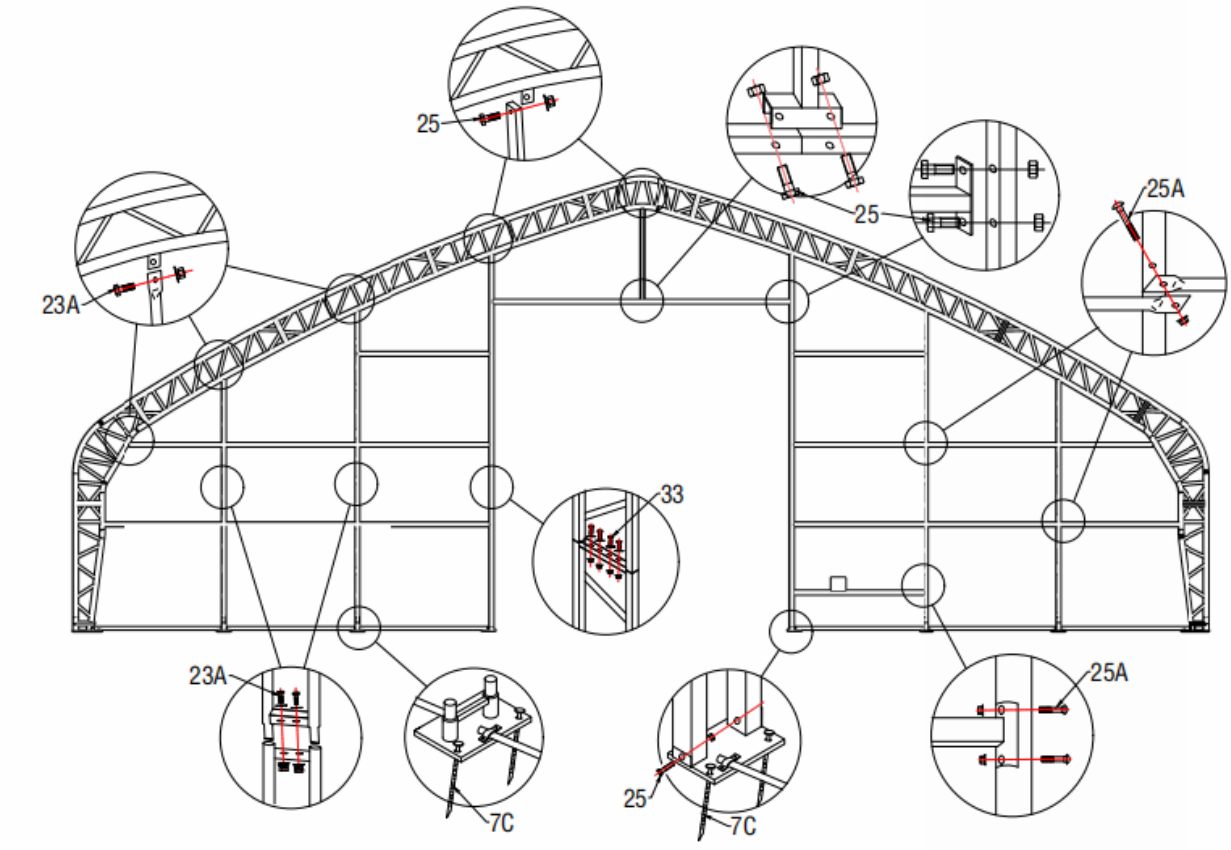

Figure 8

1. Find the right parts to install the front and back panels frame firstly according to the above Figure 7&8.
2. There should be tubes at the side of door track (No.10L/10R/11L/11R/12L/12R) for lacing the door cover by rope.

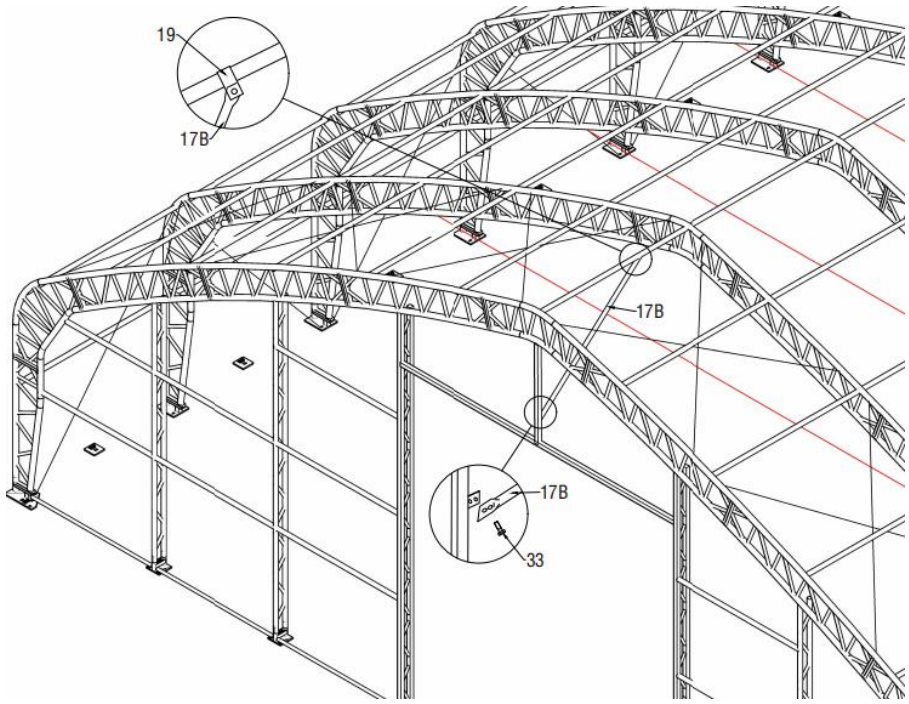

Figure 9

3. In order to make the shelter sturdy, to install the inclined support tube (No. 17B) between purlin and vertical tube (No. 17A) by using clip and screw.

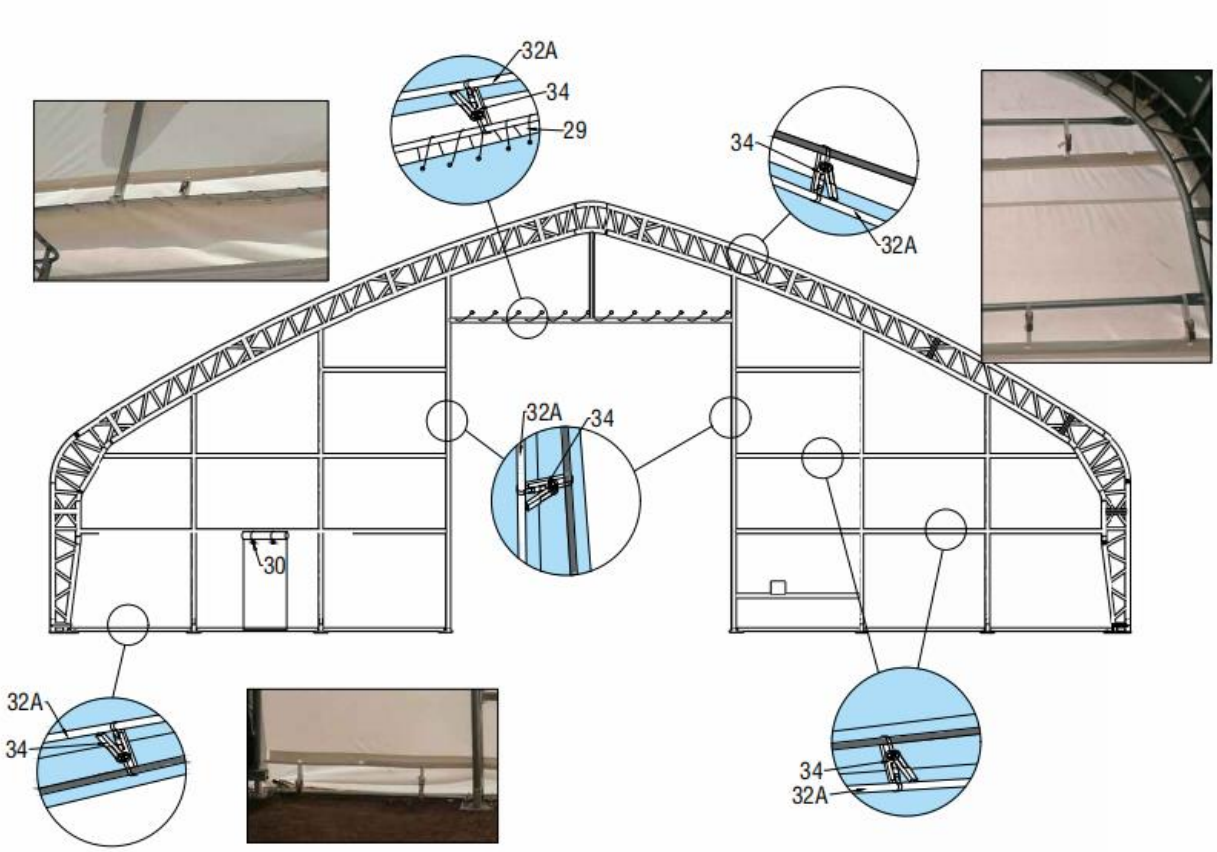

Figure 10

4. Put the door cover (No. 36) on the door frame and use rope to install the door cover to the door frame. **Kindly please note that, don't pull the rope at the end directly, in case of breaking the eyelets.** When you insert the rope into the first eyelet, you should pull the rope even strength, then insert the rope into the next eyelet, one by one.

5. Insert the PPR tube (No. 32A) on the frame and use small ratchet with straps to tie down the cover and tube.

6. Then make the front door cover well fold to the frame firstly and then tension the cover by rope (No.29).

D--- INSTALLING THE ROOF COVER

NOTE: Do not install the cover onto the frame of your building in high wind conditions.

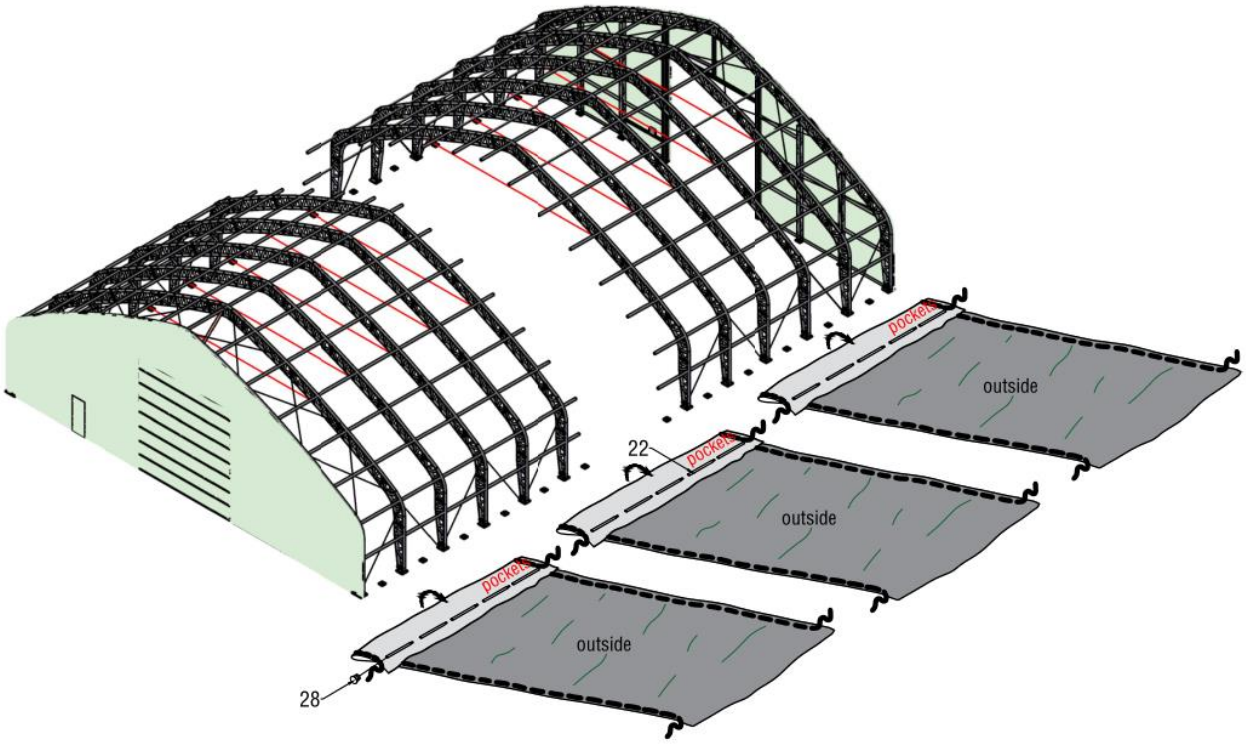

Figure 11

1. Spread the roof cover (No. 35) and lay parallel to one side of the frame.
2. Insert the tension tube (No. 22) into one side of roof cover and cut some pockets which correspond to the position of ratchet. Then place the plastic plug (No. 28) on each end of tubes. (See Figure 11)

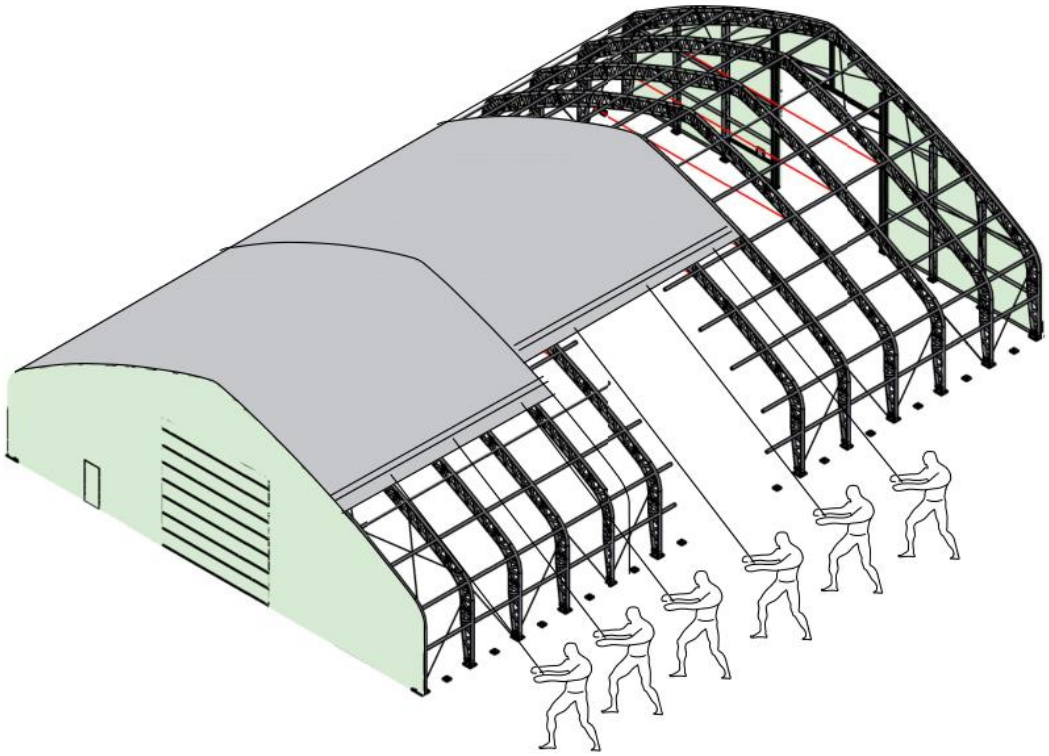

Figure 12

3. For 7012028DP, there are three pieces of roof cover, attach the ropes and throw over the frame. Then pull every roof cover EVENLY, CAREFULLY AND SLOWLY one by one. See Figure 12 and 13 for your reference.

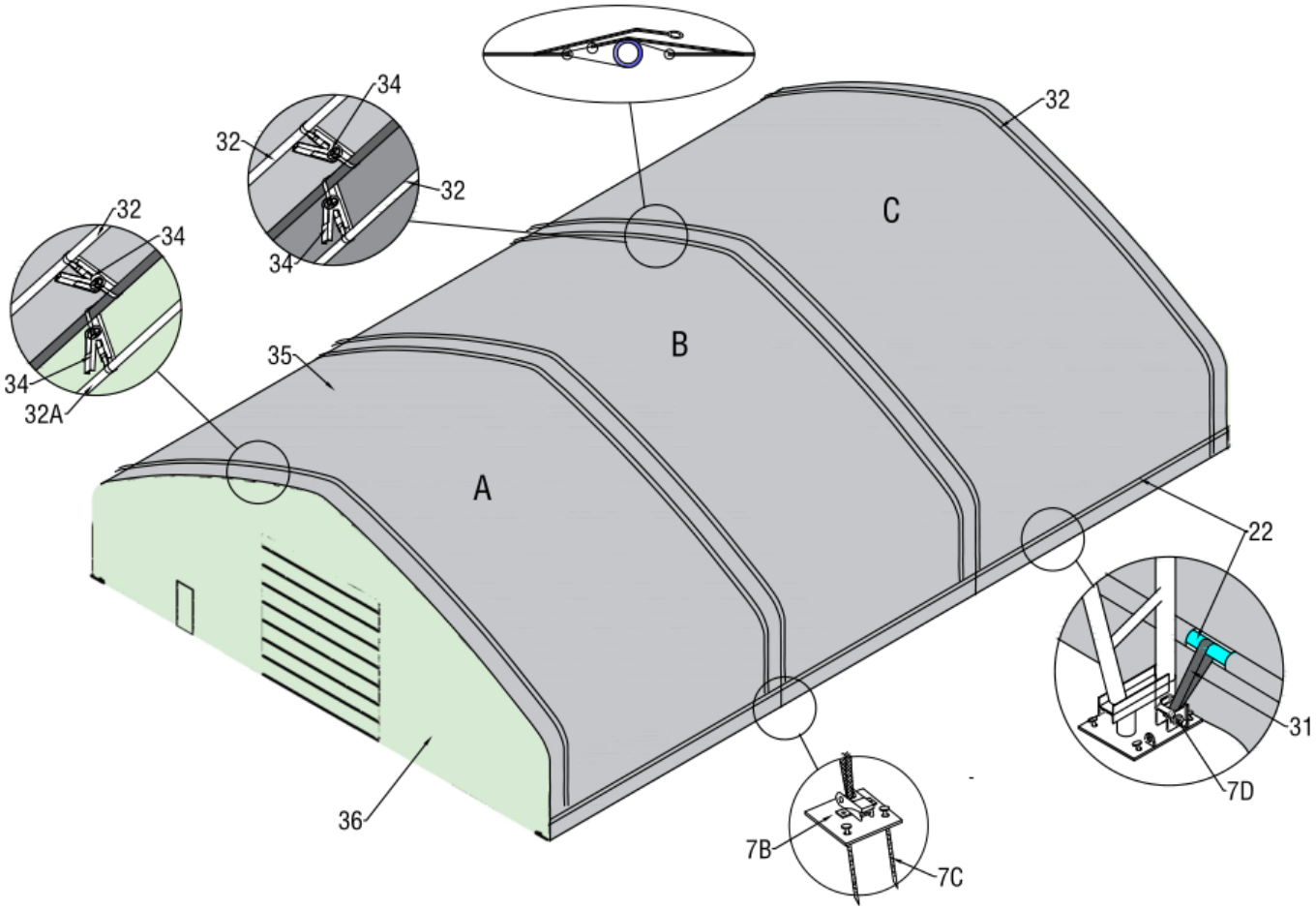

Figure 13

4. As Figure 13 shows, when three pieces of roof cover is over top of frame assembly, insert the PPR tube (No.32) into pockets along sides of roof cover, find the small ratchet (No.34) to connect on PPR tube in roof cover by parts.
5. Align one side of roof cover evenly front to back, and band for tie down ratchet (No.31) at each point alone the cover opening, put band for tie down ratchets over cover tension tubes at each base plate alone one side.
6. Insert the tension tubes (No.22), make the roof cover well fold to the frame, then put the plastic plug (No.28) to end of tension tubes, then fix the ropes on frame by turns.

Bands do not attach to tension tubes, but loop around and secure at both ends on ratchet.

7. The roof cover is tensioned from front to back by the rope lacing to grommet flaps inside the main cover, inside the unit at both front and rear arches. Using the rope provided, lace the main cover grommet flap around the main frame front and rear arch pieces, start in the top middle of each arch, and lace to each side. Add rope length by tying pieces together or cutting as necessary.

CONGRATULATIONS: NOW YOUR ASSEMBLY IS COMPLETED.

NOTE: DO NOT LEAVE THE ROOF COVER UNATTACHED UNDER ANY CIRCUMSTANCES until the final assemble 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.