

# **Double Truss Shelter**

**Model# SST5065**

**W15.0xL20.0xH8.0m**





**Demo with an extra door W2xH2.5m in the middle of 20m**

## **Assembly Instructions**



## RECOMMENDED TOOLS

### Equipment List

Speed Wrench 22#.23#.24#	
Hammer (30lb)	
Rope (12#)	
Long Tape (50m)	
Hammer Drill*1	
Lifter*2	
Crane*1	
Forklift*1	
Protective equipment	

## YOU MUST READ THIS DOCUMENT BEFORE YOU BEGIN TO ASSEMBLE THE SHELTER.

Thank you for purchasing our shelter. When properly assembled and maintained, this product will provide years of reliable service. These instructions include helpful hints and important information needed to safely assemble and properly maintain the shelter. Please read these instructions **before** you begin.


If you have any questions during the assembly, please contact local dealer for assistance.

### SAFETY PRECAUTIONS

- . Wear eye protection.
- . Wear head protection
- . Wear gloves when handling metal tubes
- . Use a portable GFCI (Ground Fault Circuit Interrupter) when working with power tools and cords.
- . Do not climb on the shelter or framing during or after construction.
- . Do not occupy the shelter during high winds, tornadoes, or hurricanes.
- . Provide adequate ventilation if the structure is enclosed.
- . Do not store hazardous materials in the shelter.
- . Provide proper ingress and egress to prevent entrapment.
- . Your shelter's cover can be quickly removed and stored prior to severe weather conditions. If strong winds or severe weather is forecast in your area, we recommend removal of cover.

### ANCHORING INSTRUCTIONS

Prior to assembling this shelter, please read the **MUST READ** document included with the shipment.

 **WARNING:** The anchor assembly is an integral part of the shelter construction. Improper anchoring may cause shelter instability and failure of the structure. Failing to anchor the shelter properly **will void the manufacturer's warranty** and may cause serious injury and damage.

### LOCATION

Choosing the proper location is an important step before you begin to assemble the structure.


The following suggestions and precautions will help you determine whether your selected location is the best location.

- . Never erect the structure under power lines.
- . Identify whether underground cables and pipes are present **before** preparing the site or anchoring the structure.
- . Location should be away from structures that could cause snow to drift on or around the building
- . Do not position the shelter where large loads such as snow and ice, large tree branches, or other overhead obstacles could fall.

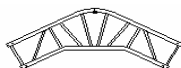
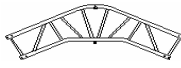
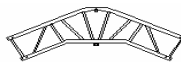
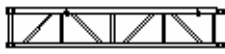
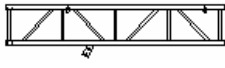
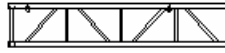




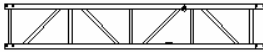
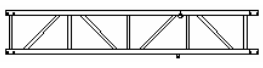



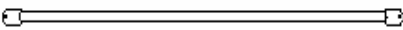
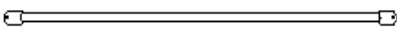
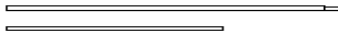
### SITE



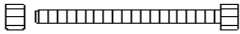
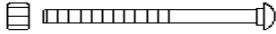






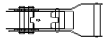


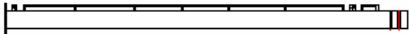
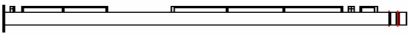
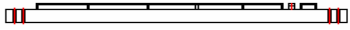

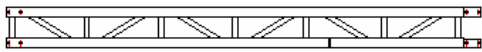
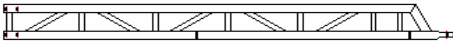
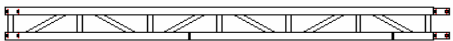

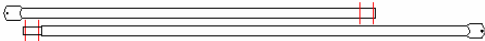
After choosing a location, proper preparation of the site is essential. The following site characteristics will help ensure the integrity of the structure.

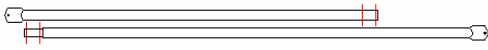


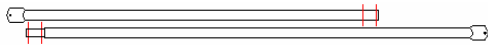
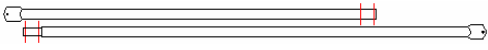


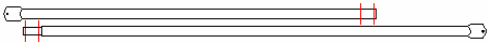





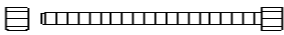
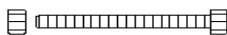
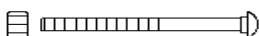

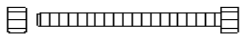
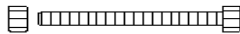


- . The support structure must be level to properly and safely erect and anchor the frame.
- . Drainage: Water draining off the structure and from areas surrounding the site should drain away from the site to prevent damage to the site, the structure, and contents of the structure.


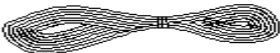





 **WARNING:** The individuals assembling this structure are responsible for designing and furnishing all temporary bracing, shoring and support needed during the assembly process. For safety reasons, those who are not familiar with recognized construction methods and techniques **must seek the help of a qualified contractor.**

## Double Truss Shelter W15.0xL20.0xH8.0m Parts List

Part Code	Description		Qty/PCS	Box
1	Truss Arch		9	C
1A	Truss Arch for front end		1	A
1B	Truss Arch for back end		1	C
2	Truss Arch		20	B
2A	Truss Arch for front end		2	B
3	Truss Arch		20	B
3A	Truss Arch for back end		2	B
4	Truss Arch		16	A
4A	Truss Arch for front and back end		4	A
4B	Truss Arch		2	A
5	Truss Arch (upright)		18	C
5A	Truss Arch (upright) for front and back end		4	D
6	Base Plate for four corners (left & right)		4	A
7	Base Plate for middle arch		18	A
8	Purlin		119+1	D
8A	Roof Top Purlin		10	D
9	Bracing Tube		40	D
10	Tensioning Tube for roof cover (8pcs/set)		2 sets	D

10A	Door Bracing Tube for side door		1	B
10B	Cross Beam for side door		1	B
11	Bolt M8x70 for swaged tube		440+10	A
12	Carriage Bolt M10x80 for purlin (No.8)		143+7	A
13	Clip for bracing tube (No.9)		80	A
14	Plastic Plug for tensioning tube (No.10)		4	A
15	Knitting Rope for roof cover		4 bundles	A
15A	Knitting Rope for Front Door		1 bundle	D
16	Cable Tie for roof cover		260+10	A
17	Belt for Winch		22	A
18	Winch		26	A
19	Roof Cover		1	D
19A	Duct Tape		2 rolls	A
20	Portal for front end		1	C
21	Portal for front end		1	C
22	Portal for front end		2	C
23	Portal for front end		2	C
24	Truss Portal for back end		3	C
25	Truss Portal for back end		2	C
26	Truss Portal for back end		1	C
27	Truss Portal for back end		1	C
28	Rail for front end (2pcs/set)		4 sets	D

29	Rail for front end (2pcs/set)		2 sets	D
30	Rail for front end (2pcs/set)		1 set	D
31	Rail for front end		1	C
32	Rail for back end (2pcs/set)		6 sets	C
33	Rail for back end (2pcs/set)		2 sets	C
34	Rail for back end (2pcs/set)		2 sets	C
35	Rail for back end (2pcs/set)		2 sets	C
36	Rail for back end (2pcs/set)		2 sets	C
37	Door Bracing Tube for Front Door (2pcs/set)		10 sets	B
38	Front Door Track (left)		1 set	B
38A	Front Door Track (right)		1 set	B
39	Base Plate for back end		3	A
40	Connection Plate		8	A
41	Bolt M12x130 for portals		16+4	A
42	Bolt M8x70 for swaged tube		20+4	A
43	Carriage Bolt M10x80 for purlin		9+2	A
44	Bolt M8x50 for door bracing tube (No.37)		20+4	A
45	Bolt M8x60 for rails		42+8	A
46	Bolt M10x30 for rail and connection palte		30+10	A
47	Bolt M10x50 for rail and connection plate		10+2	A
48	Knitting Rope for front and back cover		2 bundles	A

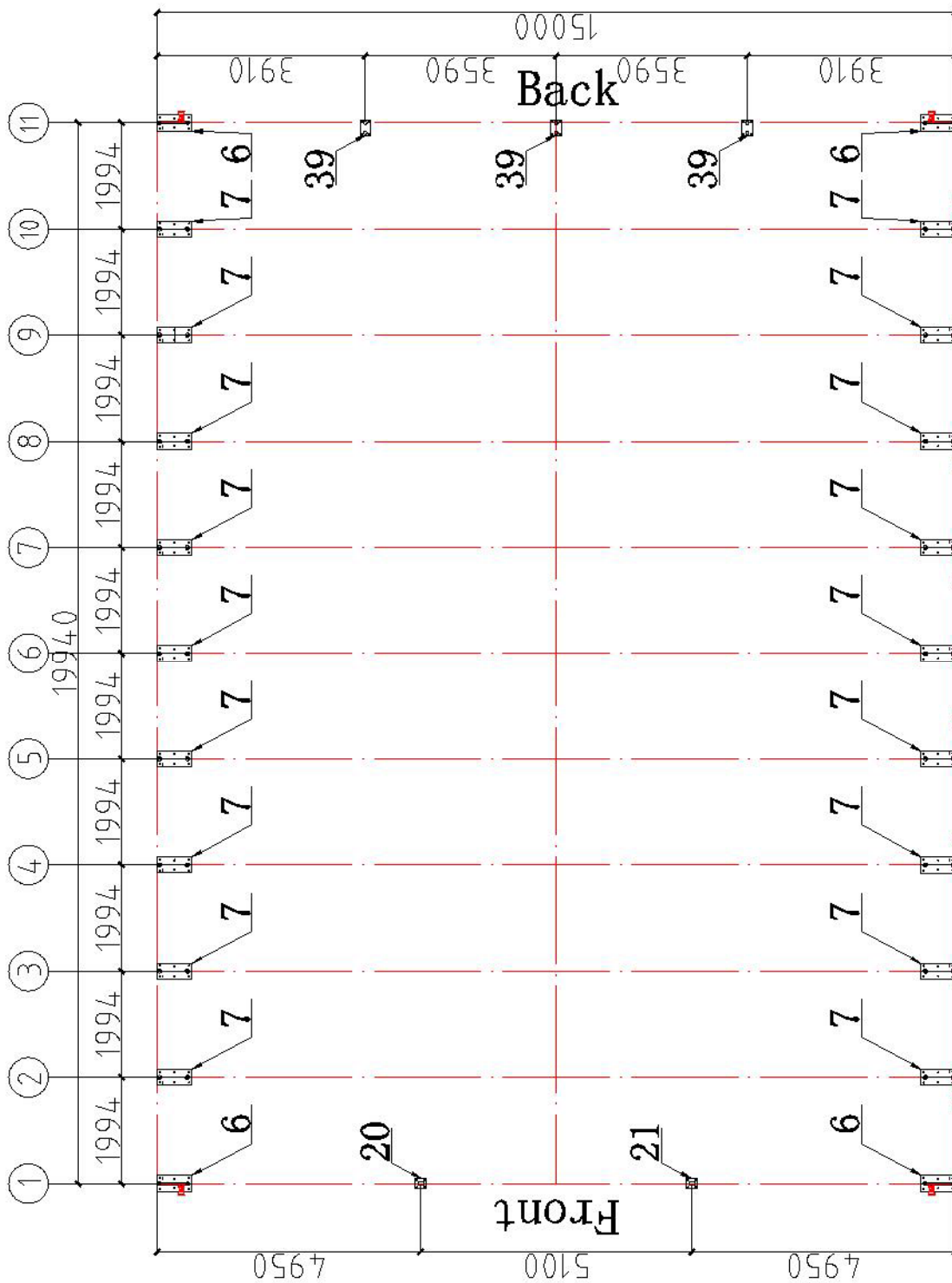
49	Cable Tie for front and back cover		180	A
50	Steel Wire Rope for Front Door		1 bundle	A
51	Clip for steel wire rope (No.50)		4	A
52	Winch bracket		1 set	A
53	Self-drilling Screw for front cover		40+10	A
54	Front door winch		1 set	A
55	Front and Back Cover		1 each	D

# INSTALLATION PROCESS

## A—BASE PLATES INSTALLATION

Please refer to the diagram (Figure 1) to mark the position of base plates

The measurement is from center to center of plates. Referring to the diagram and confirm the place of base plates. ENSURE THAT THE FOUNDATION IS SQUARE.



### Figure 1



## B—FRAME INSTALLATION (Arch No.1 to 11)

1. Find Truss Arches for front end (No.1A, 2A, 3, 4A, 5A) for Arch No.1 and connect them by Bolt M8x70 (No.11).
2. Find relative parts of rails and portals for front end and assemble them according to Figure 2.

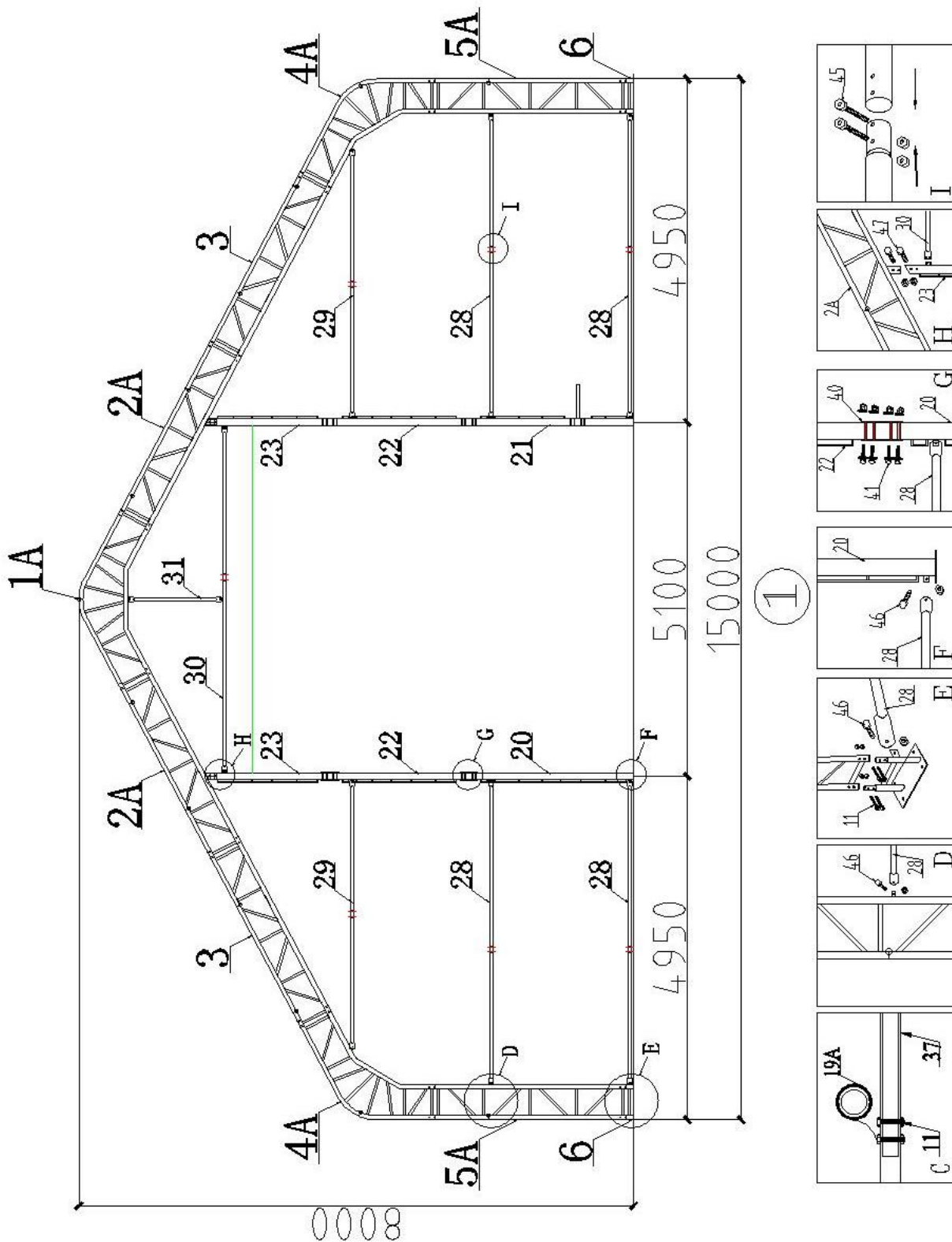
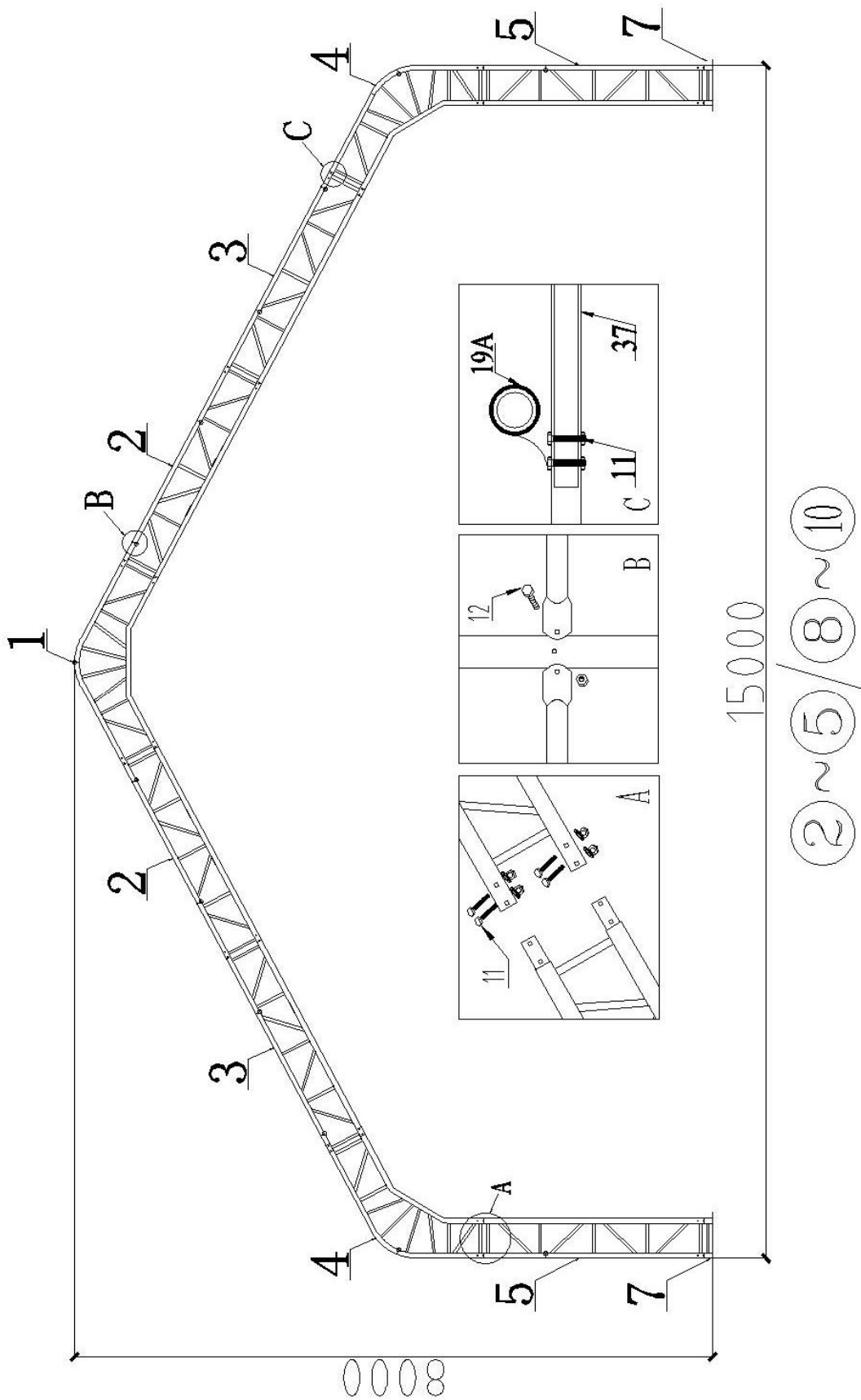


Figure 2

3. Find Truss Arches (No.1, 2, 3, 4, 5) for Arch No.2 to 5 & Arch No.8 to 10 and connect them by Bolt M8x70 (No.11).



**Figure 3**

4. Find Truss Arches (No.1, 2, 3, 4B, 5) for Arch No.6 to 7 and connect them by Bolt M8x70 (No.11).

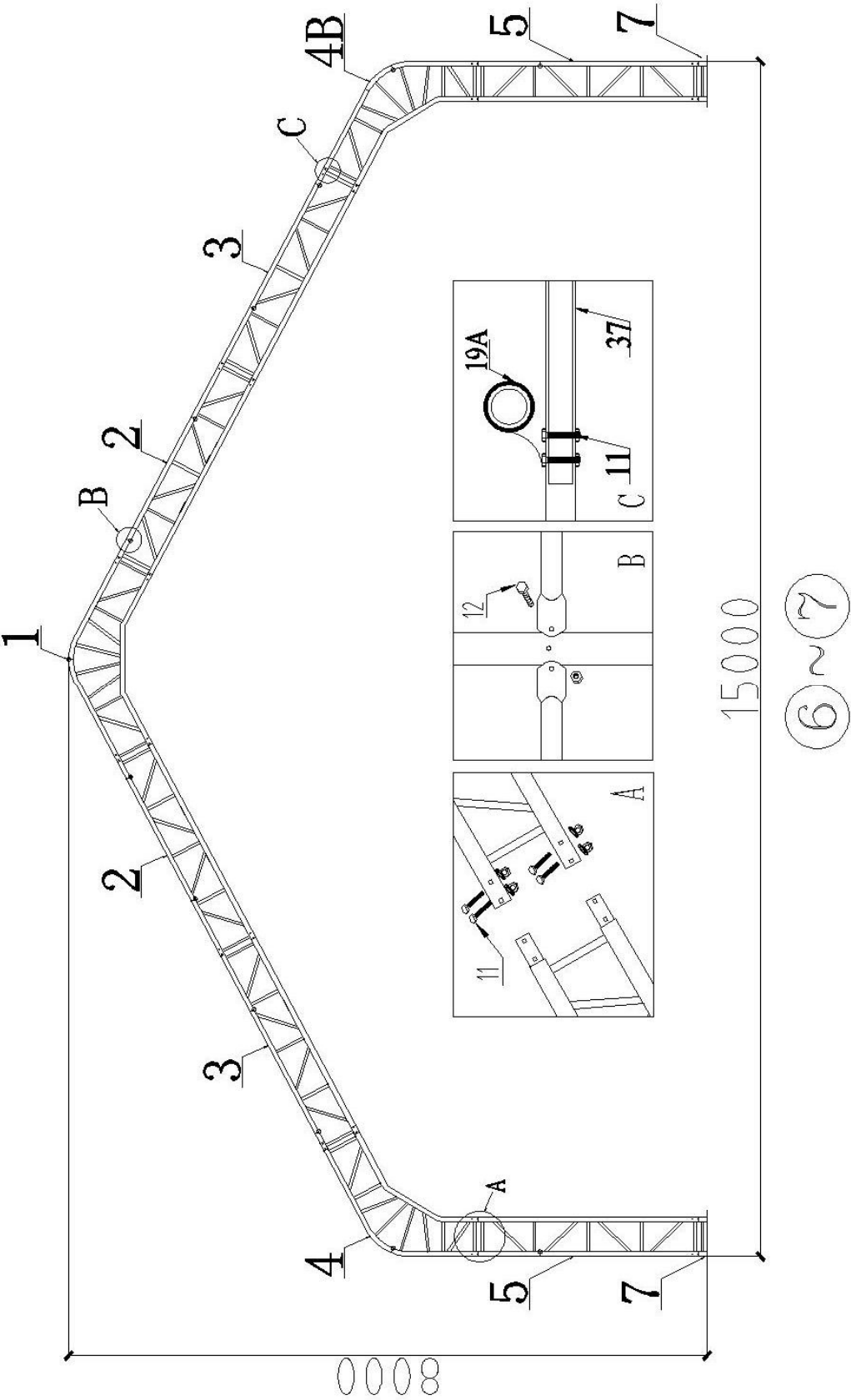
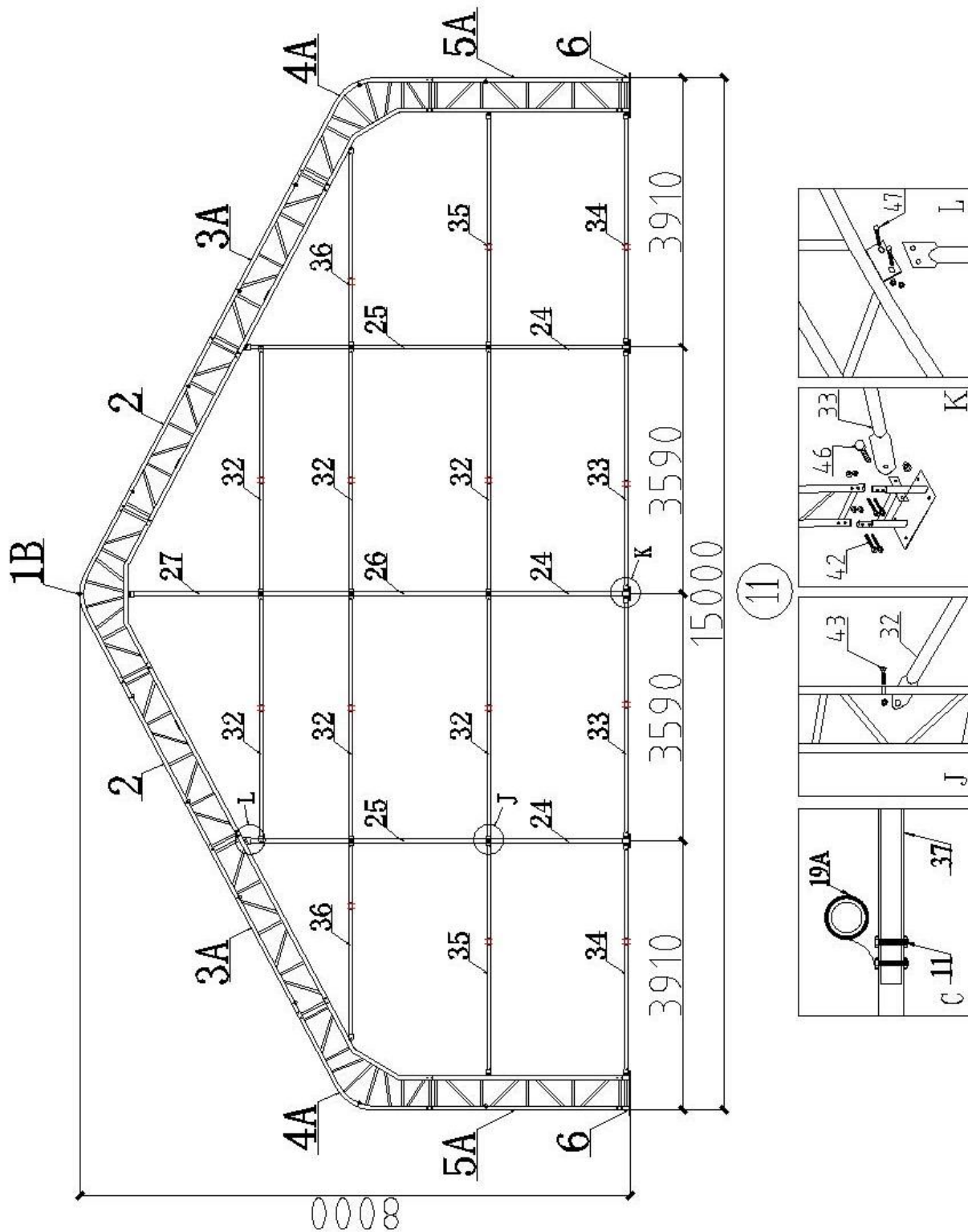


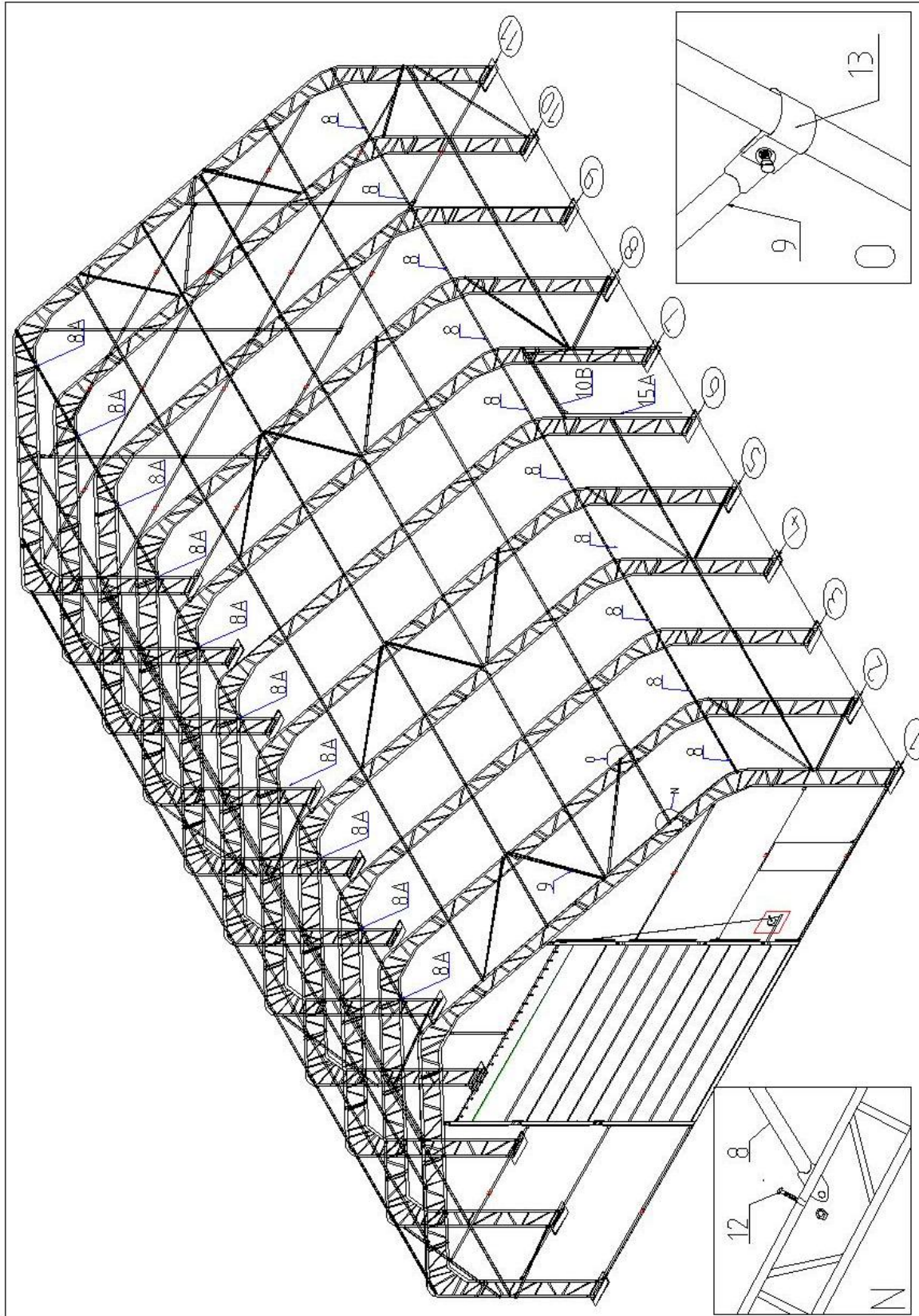
Figure 4

5. Find Truss Arches (No.1B, 2, 3A, 4A, 5A) for Arch No.11 and connect them by Bolt M8x70 (No.11).
6. Find relative parts of rails and portals for back end and assemble them according to Figure 4.



**Figure 5**

7. Lift the assembled arches onto base plates.
8. When finish installing the first two arches, install Purlin (No. 8) and connect them by Carriage Bolt M10x80 (No.12). Then Arch No.3 to No.11 and Purlins (No.8). In this turn, one arch and then purlin tubes.
9. Install Bracing Tube (No.9) between arches by Tube Clip (No.13)



**Figure 6**

## C-INSTALLING COVER

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. Roll out the roof cover on a ground sheet. Align the cover evenly to each end of the frame. Be sure doing not over pull the end of roof cover.
2. Pull the cover over frame **EVENLY, CAREFULLY AND SLOWLY**. Insert tensioning tubes (No.10) into the cover pipe pockets. Cut a small opening over against every base plate. Put the belt (No.17) around tensioning tube and then go through winch (No.18) and loosely secure. **DO NOT TIGHTEN**. Adjust the cover so that it is square and evenly centered on the frame.

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

3. Use Knitting Rope (No.15) and Cable Tie (No.16) to tighten roof cover to end arches.
4. When roof cover is tidy and ready, drive the winch tie down forth and back and then roof cover is tightened.
5. Tidy the cover. Pull the band inside the end of roof cover, make the cover well fold to end arches and fasten the band.
6. Install Front and Back Cover (No.55) to front and back end wall.

**Note:** if there is damage for cover when use, please repair it as soon as possible to avoid further damage.

**NOTE:** Your shelter's cover can be quickly removed and stored prior to severe weather conditions. If strong winds or severe weather is forecast in your area, we recommend removal of cover.



ROOF COVER AND SIDE DOOR INSTALLATION

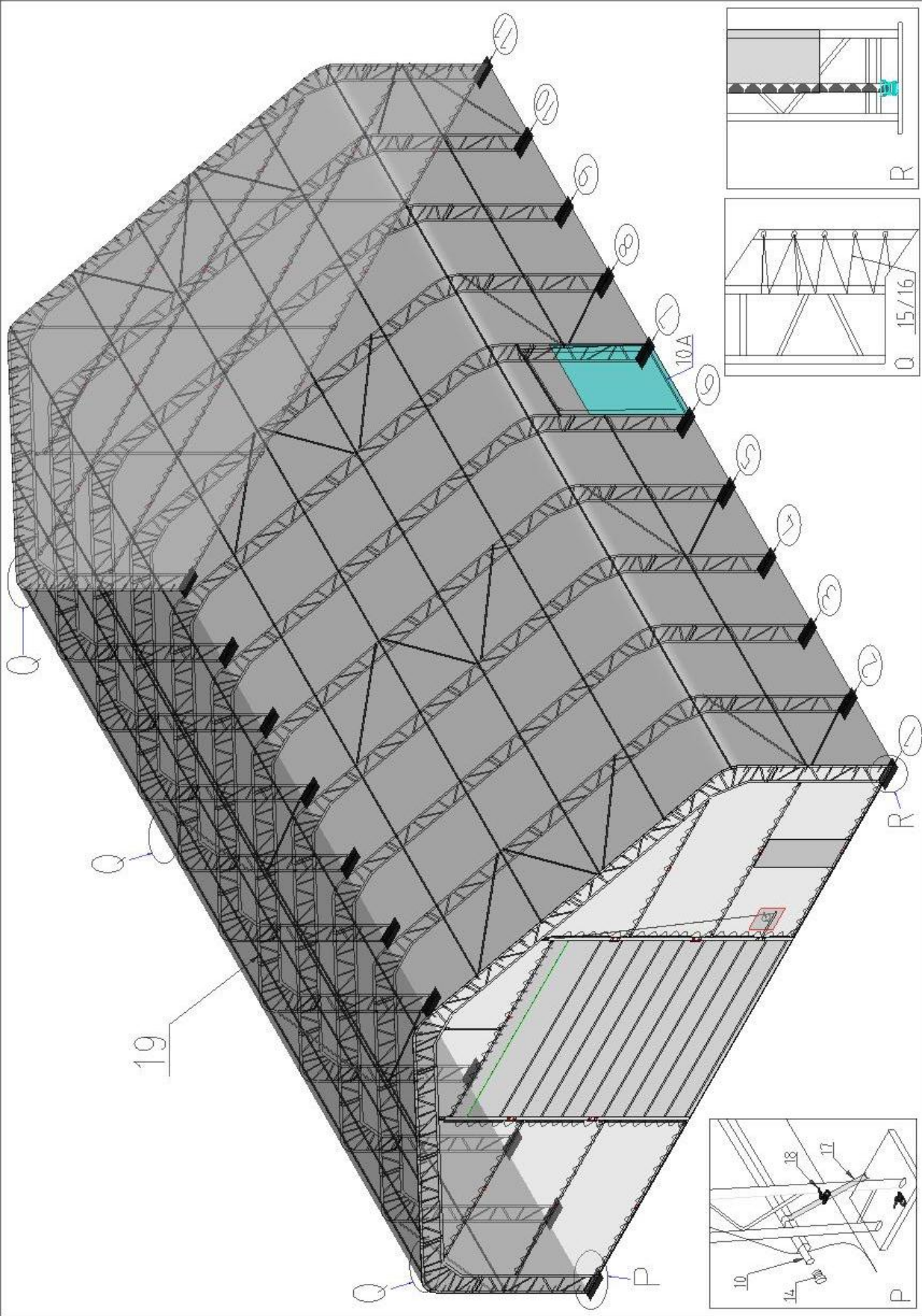


Figure 7

FRONT COVER AND MECHANICAL DOOR INSTALLATION

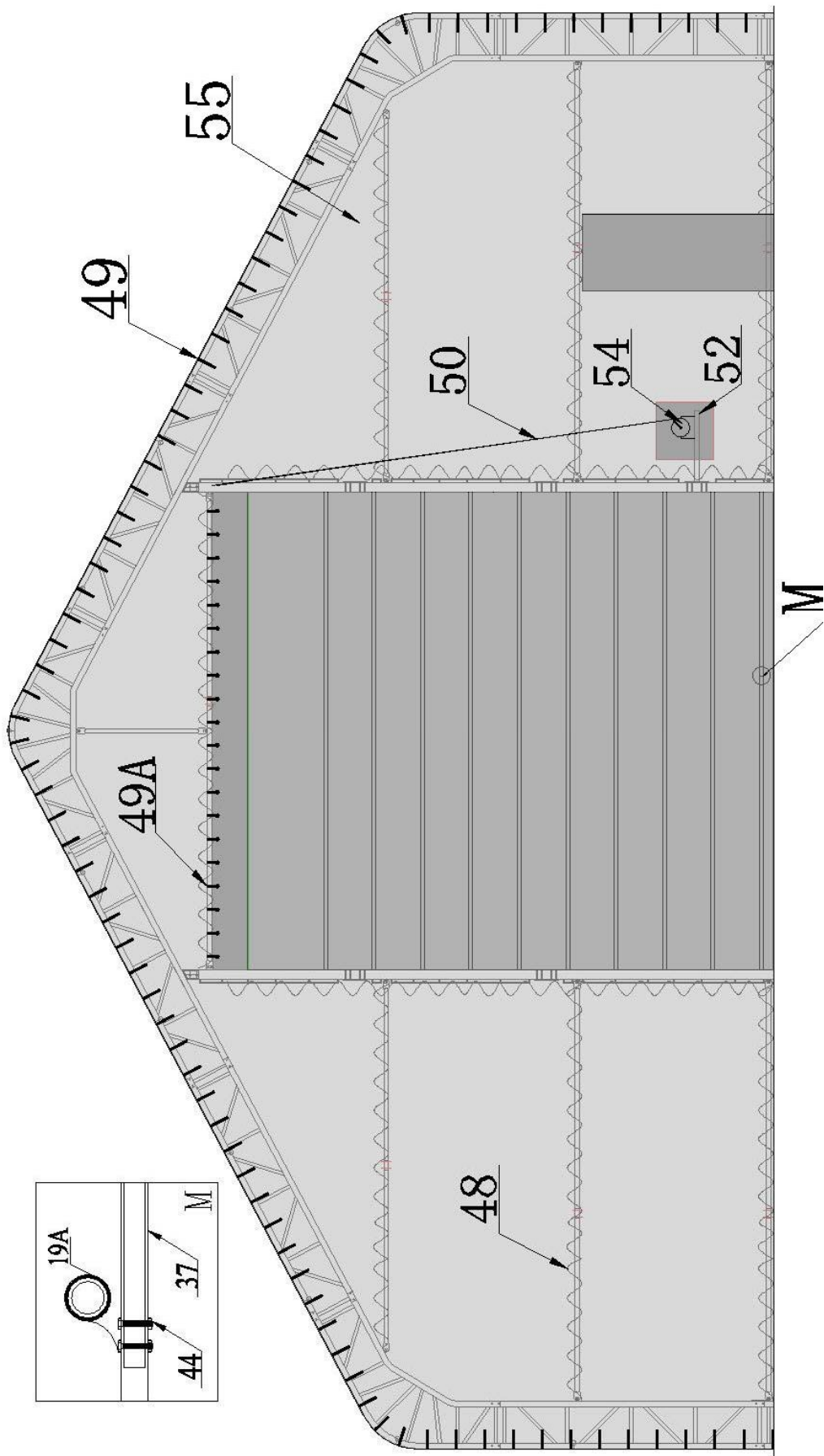
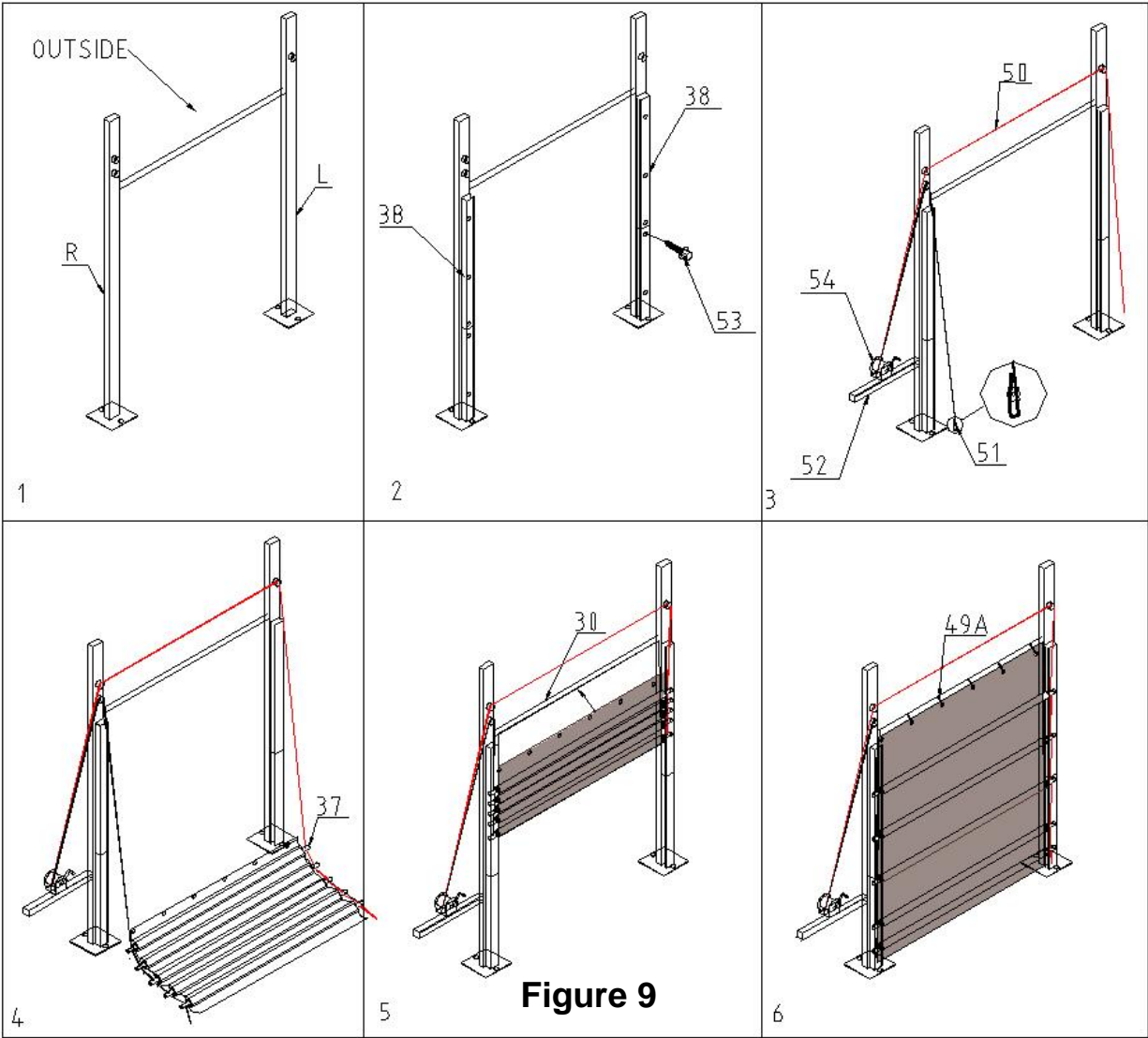


Figure 8

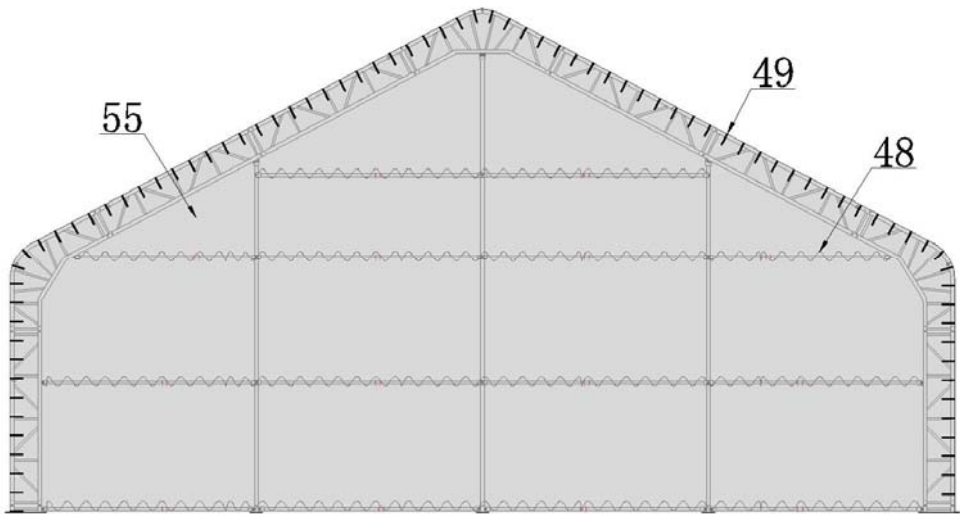


**MECHANICAL DOOR INSTALLATION**



**Figure 9**

**BACK COVER INSTALLATION**



**Figure 10**

**Now your assembly is completed.**