



Gable-roof tent hall, width 7 m

Series W23H17DP · models 233017DP · 234017DP · 235017DP · 236017DP

233017DP

7 × 9.15 × 5.2 m

234017DP

7 × 12.2 × 5.2 m

235017DP

7 × 15.25 × 5.2 m

236017DP

7 × 18.3 × 5.2 m

BEFORE ASSEMBLY

TECHNICAL DATA

Model	Width	Length	Height
233017DP	7 m	9.15 m	5.2 m
234017DP	7 m	12.2 m	5.2 m
235017DP	7 m	15.25 m	5.2 m
236017DP	7 m	18.3 m	5.2 m

Structure with truss arches. Arch spacing: 3.05 m (according to the foundation layout drawing).

**IMPORTANT – READ THE INSTRUCTIONS BEFORE ASSEMBLY**

Incorrect site preparation, assembly or maintenance can cause unnecessary and costly errors. If you have any questions, please contact us. Each part is marked with a code given in the parts list – follow these codes and the drawings during assembly.

- Tension the roof cover sufficiently so that no sagging ("pockets") forms on the roof, and retighten it once or twice after a few months of use.
- This applies especially to assembly in cold weather (autumn and winter): the cover is stiff then, slackens when it gets warmer and must be retightened before the next winter.
- The owner is responsible for removing snow from the roof immediately if it does not slide off by itself.

SAFETY DURING ASSEMBLY

1. Keep the work area clean. Clutter increases the risk of injury. Do not erect the hall near snowdrifts, on slippery or wet surfaces or in strong wind.
2. Children must be kept away from the work area.
3. Do not overreach or lean out. Keep a stable stance and balance throughout the assembly.
4. Do not carry out assembly under the influence of alcohol, drugs or medication that may affect judgement or reflexes. If in doubt, do not carry out the assembly.
5. Allow for windy weather. If there is a risk of strong wind, fix the hall foundations in concrete. Remove the cover during a windstorm or very strong wind.
6. Be careful with heat and electrical power sources. Do not place heat sources near the cover and do not expose it to open fire.
7. Pay attention to personal safety during assembly and use. Take care not to trap your fingers between the clips and tubes. When using the hall, ensure sufficient ventilation for exhaust gases and other hazardous fumes.

TOOLS AND EQUIPMENT

Measuring tape

Alignment string

Stakes

Hammer (sledgehammer)

Ladder or scissor lift

Drill

Spanners

Knife

Lifting device

CHECK THE DELIVERY

PARTS LIST

The original parts list gives only part numbers and quantities. Part names have been added from the drawings – always identify parts by the number in the drawing.

NO.	Part name	233017DP	234017DP	235017DP	236017DP
● 1	Arch ridge section	2	3	4	5
● 1A	Arch ridge section of front and rear wall	2	2	2	2
● 2	Upper arch section	4	6	8	10
● 2A	Upper arch section of front and rear wall	4	4	4	4
● 3	Arch shoulder section	8	10	12	14
● 4	Leg	6	8	10	12
● 4A	Leg of front and rear wall	2	2	2	2
● 5	Purlin	27	36	45	54
● 6	Ratchet	12	14	16	18
● 6L	Corner base plate, left	2	2	2	2
● 6R	Corner base plate, right	2	2	2	2
● 7L	Side base plate, left	2	3	4	5
● 7R	Side base plate, right	2	3	4	5
● 8	Base plate of front and rear wall	4	4	4	4
● 9	Door post connecting plate	8	8	8	8
● 10L	Lower door frame post, left	2	2	2	2
● 10R	Lower door frame post, right	2	2	2	2
● 11L	Upper door frame post, left	2	2	2	2
● 11R	Upper door frame post, right	2	2	2	2
● 12	Upper door frame crossbar	4	4	4	4
● 12A	Vertical tube above door frame	2	2	2	2
● 13	Horizontal tube of front and rear wall	4	4	4	4
● 14	Horizontal tube for winch	2	2	2	2
● 15	Mechanical winch	2 sets	2 sets	2 sets	2 sets
● 16	Lower tube of front and rear wall	4	4	4	4
● 17	Side steel cable	6	8	10	12
● 18	Roof steel cable	12	12	12	12

NO.	Part name	233017DP	234017DP	235017DP	236017DP
● 19	Clip (clamp)	34	32	34	32
● 19A	Triangular cable connecting plate	2	4	4	6
● 20	Door cover support tube	12 groups	12 groups	12 groups	12 groups
● 21	Roof cover tensioning tube	2 groups	2 groups	2 groups	2 groups
● 22	Arch joint bolt	96	120	144	168
● 22A	Leg bolt in base plate	24	30	36	42
● 23	Purlin bolt	36	45	54	63
● 24	Front and rear wall frame bolt	52	52	52	52
● 25	Bolt for vertical tube above door	2	2	2	2
● 26	Ratchet strap	8	10	12	14
● 27	Rope	1 bundle	1 bundle	1 bundle	1 bundle
● 28	Plastic end cap	12	12	12	12
● 29	Anchor stake	40	48	56	64
● 30	Door cover	2	2	2	2
● 31	Front and rear wall cover	2	2	2	2
● 32	Roof cover	1	1	1	1
● 33	Tube for roof cover flap	2 groups	2 groups	2 groups	2 groups
● 34	Small ratchet with strap	30	30	30	30

CHECK THE DELIVERY

STRUCTURE DRAWING

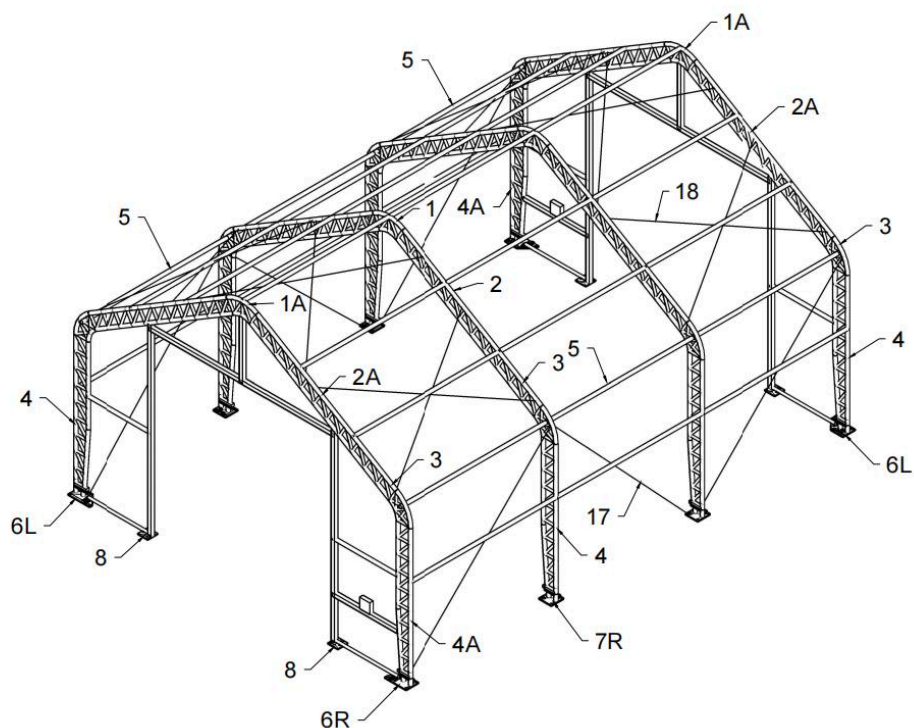


Fig. 1a - Frame drawing 233017DP (length 9.15 m)

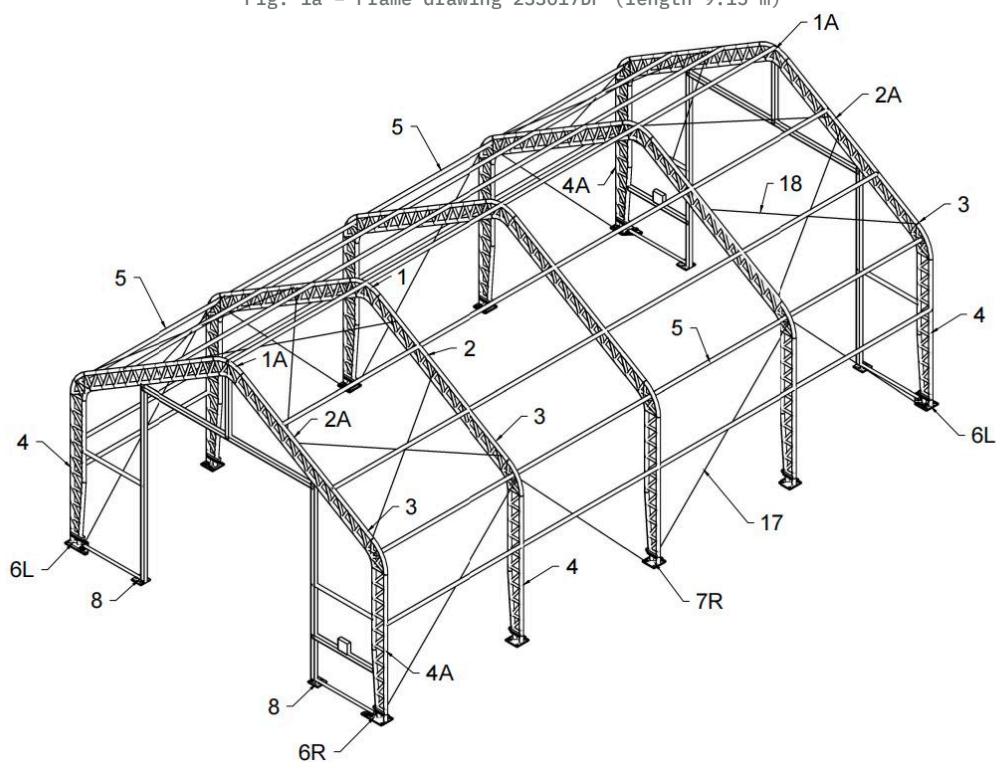


Fig. 1b - Frame drawing 234017DP (length 12.2 m)

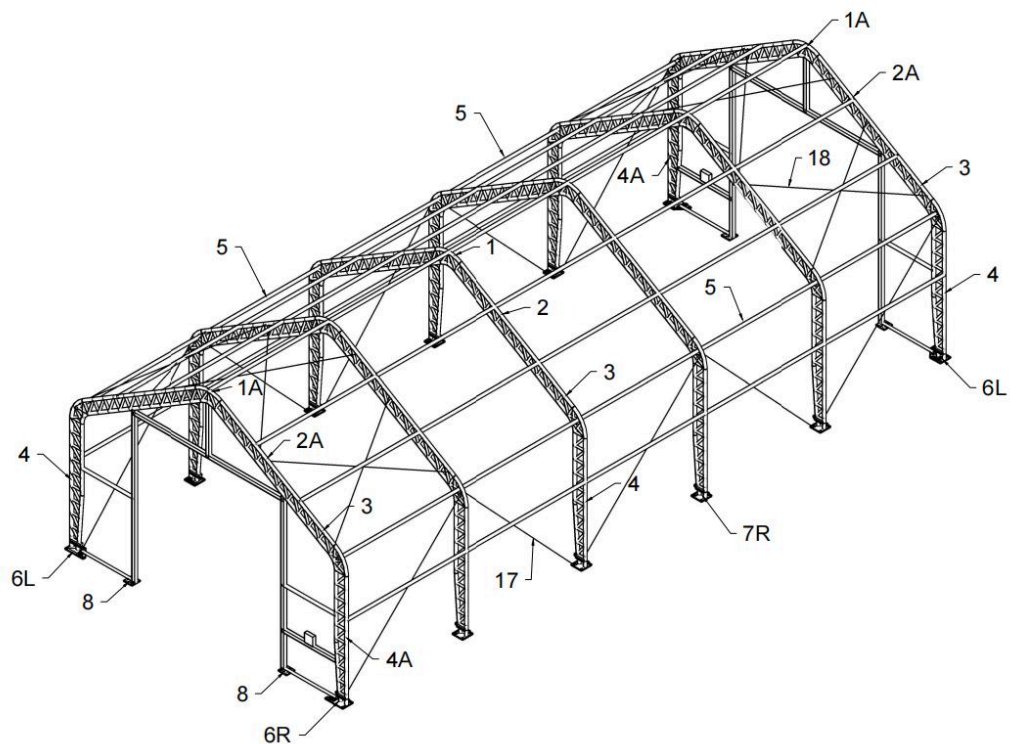


Fig. 1c - Frame drawing 235017DP (length 15.25 m)

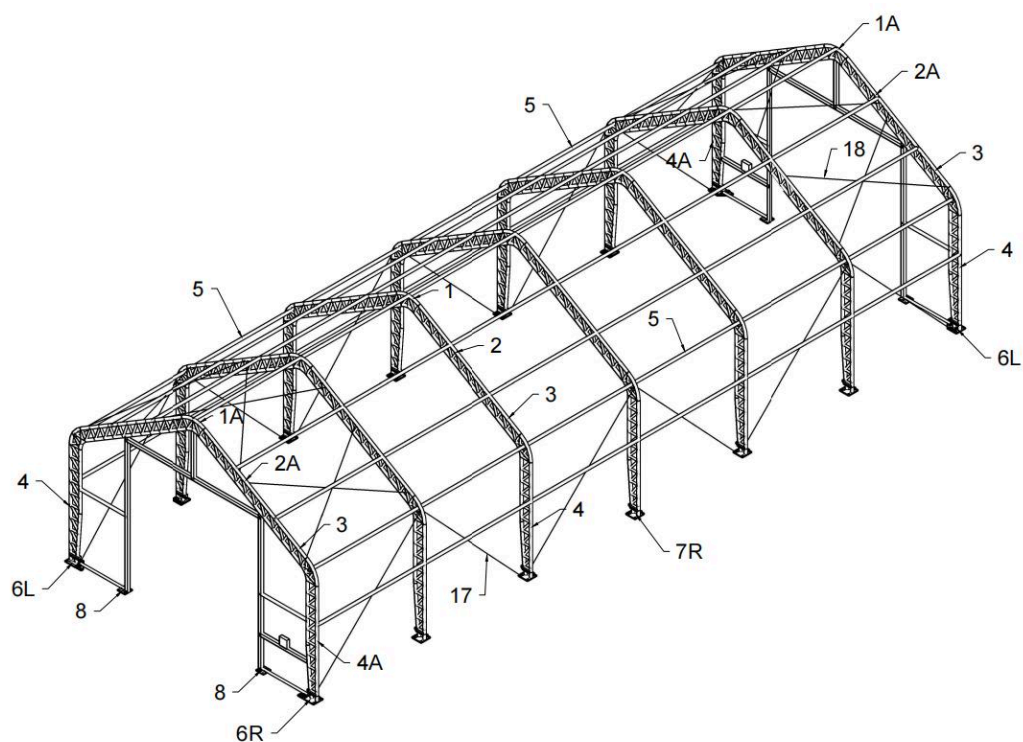


Fig. 1d - Frame drawing 236017DP (length 18.3 m)

INSTALLING THE BASE PLATES

When positioning the base plates, follow Fig. 2 for the length of your hall.

1

Dimensions are measured from tube centre to tube centre. Check the position of the base plates according to Fig. 2. Make sure the foundation is square (check the diagonals).

2

Anchor the corner base plates No. 6L and 6R with 4 anchor stakes No. 29 each. Anchor base plates No. 7L, 7R and 8 with 2 anchor stakes No. 29. All base plates will then be secured.



NOTE

The anchor stakes are intended for normal conditions – they are not suitable for stony terrain, frozen ground or concrete surfaces. If you build the hall on concrete, use expansion anchors.

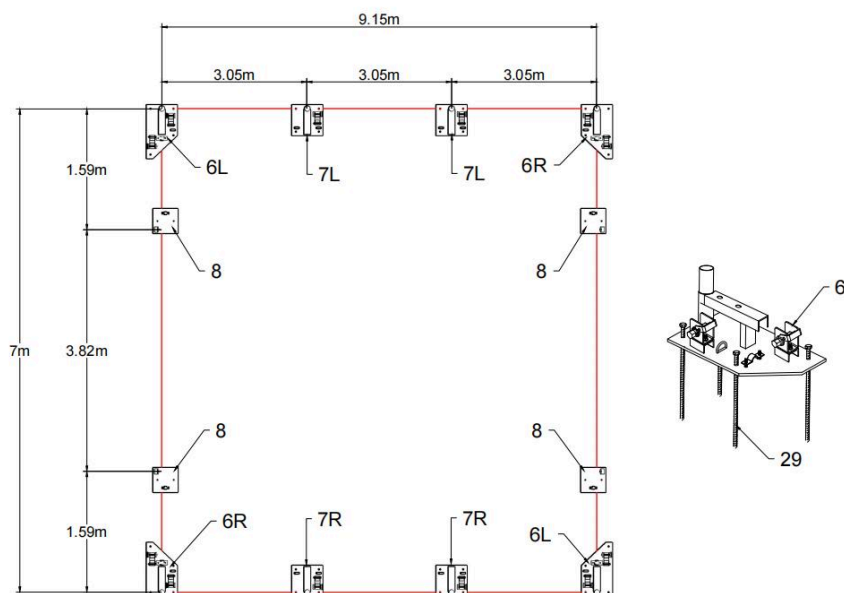


Fig. 2a – Base plate layout, length 9.15 m

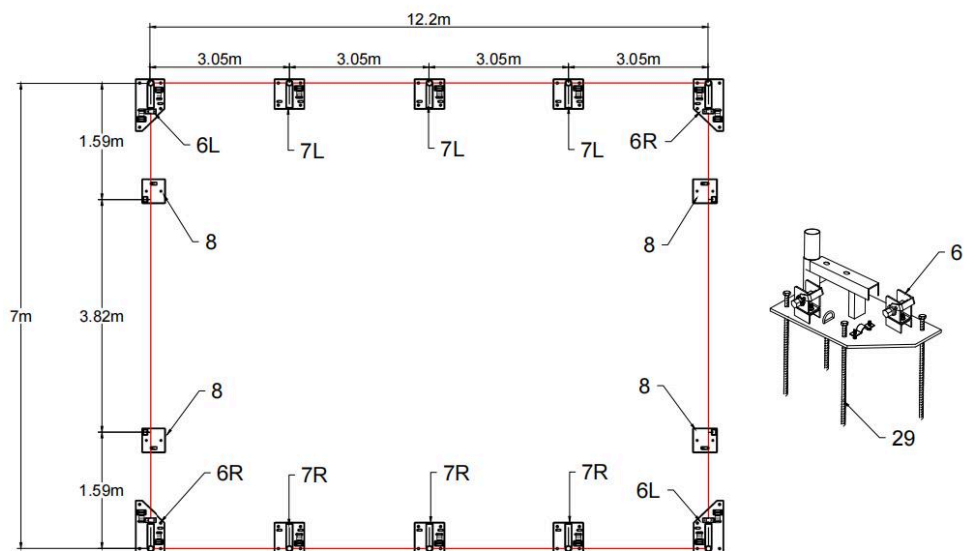


Fig. 2b - Base plate layout, length 12.2 m

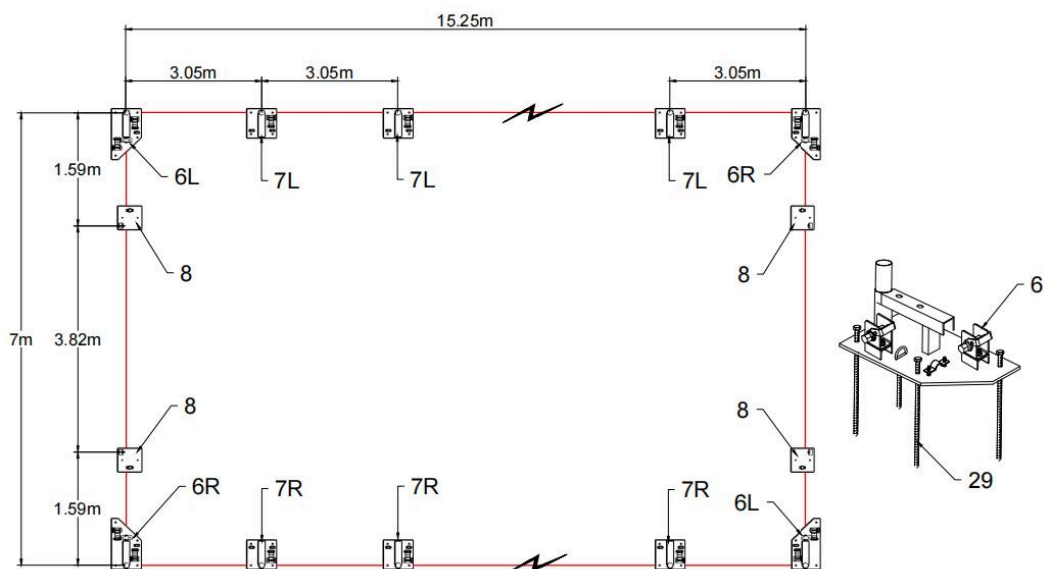


Fig. 2c - Base plate layout, length 15.25 m

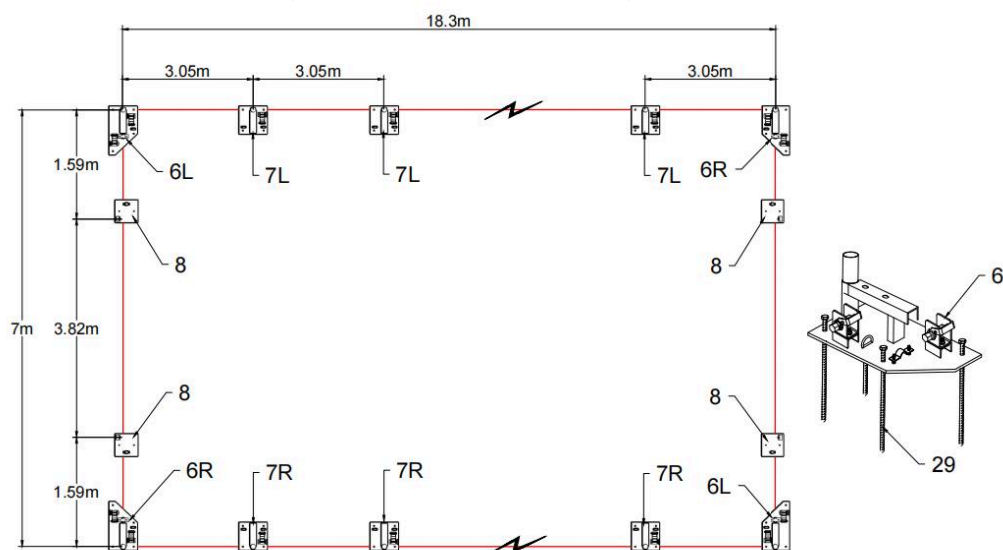


Fig. 2d - Base plate layout, length 18.3 m

FRAME ASSEMBLY

The original instructions give only drawings in this section. The steps describe what is evident from the part numbers in the drawings.

1

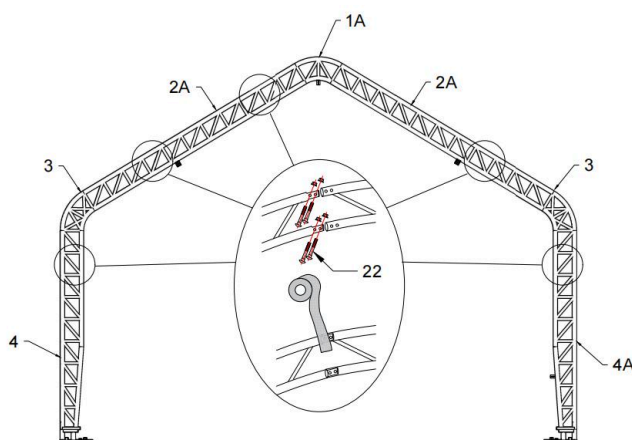


Fig. 3 – Front and rear wall arch

Assemble the front and rear wall arches from parts No. 1A, 2A, 3, 4 and 4A. Secure the truss section joints with bolts No. 22 (Fig. 3).

2

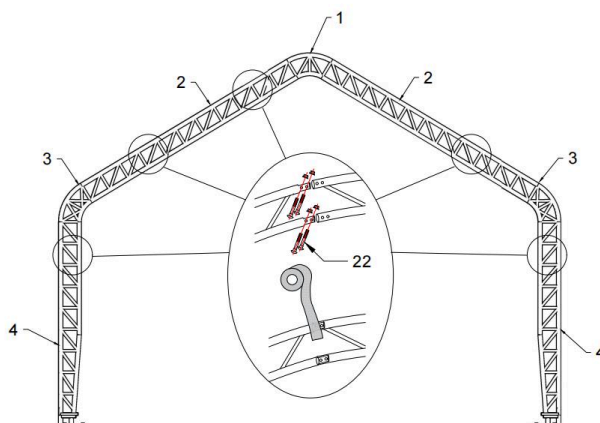


Fig. 4 – Middle arch

Assemble the middle arches in the same way from parts No. 1, 2, 3 and 4 with bolts No. 22 (Fig. 4).

3

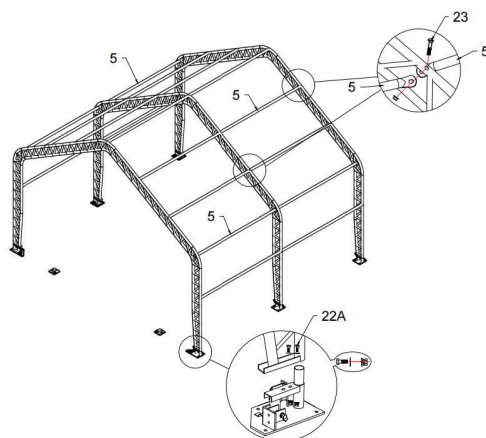


Fig. 5 - Fitting the arches and purlins

Stand the arches in the base plates and secure the legs with bolts No. 22A. Fit the purlins No. 5 between the arches and fix them with bolts No. 23 (Fig. 5).

4

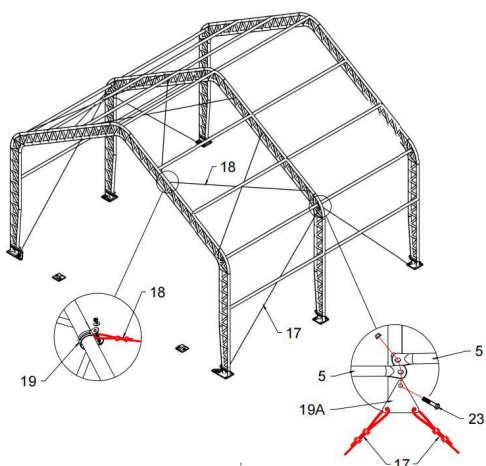


Fig. 6 - Roof and side steel cables

Fit the roof steel cables No. 18 and fix them with clips No. 19. Connect the side steel cables No. 17 to the purlin joint with triangular plate No. 19A and bolt No. 23 (Fig. 6).

FRONT AND REAR WALL

1

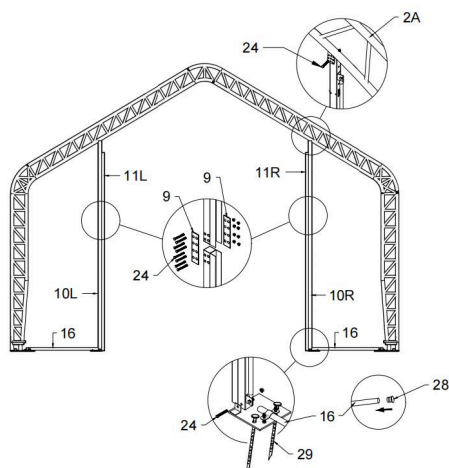


Fig. 7 – Door frame posts

Erect the door frame posts: connect the lower posts No. 10L and 10R to the upper posts No. 11L and 11R with connecting plates No. 9 and bolts No. 24. Fix the upper ends to the arch with bolts No. 24. Fit the lower tubes No. 16 into the base plates, secure them with bolts No. 24, close the ends with caps No. 28 and anchor the plates with stakes No. 29 (Fig. 7).

2

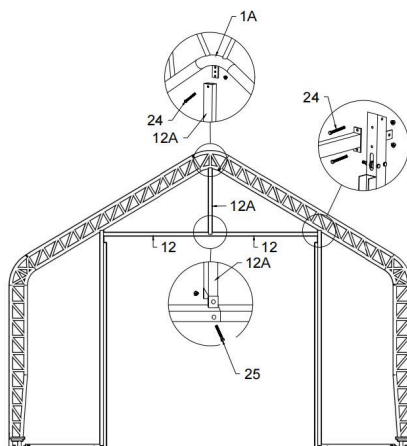


Fig. 8 – Crossbars and vertical tube above the door

Fit the upper door frame crossbars No. 12 and fix them to the posts with bolts No. 24. Fix the vertical tube No. 12A at the top to the arch ridge (No. 1A) with bolt No. 24 and at the bottom to the crossbars with bolt No. 25 (Fig. 8).

3

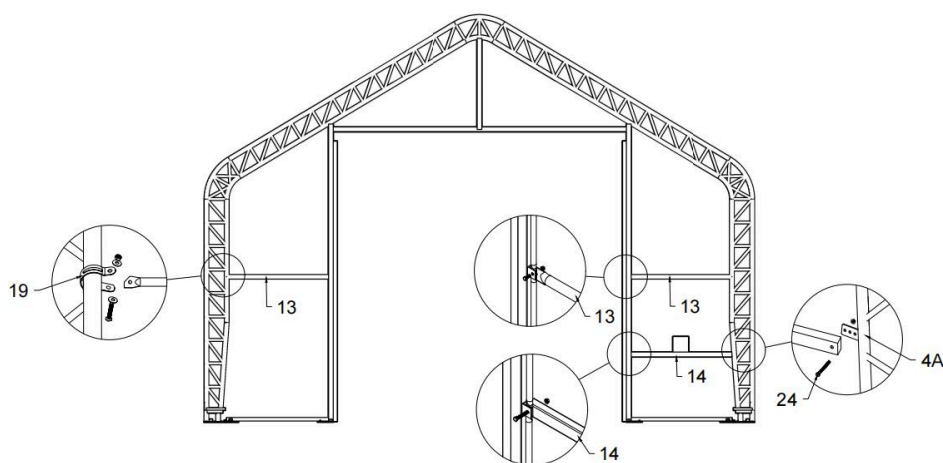


Fig. 9 - Horizontal wall tubes

Fix the horizontal tubes No. 13 to the arch with clips No. 19. Fix the horizontal winch tube No. 14 to leg No. 4A with bolts No. 24 (Fig. 9).

4

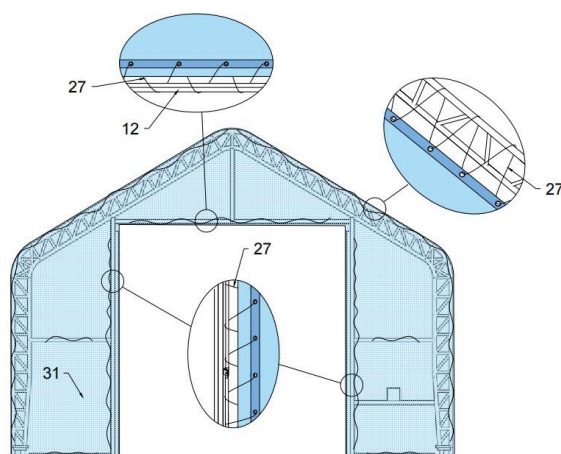


Fig. 10 - Front and rear wall cover

Stretch the front and rear wall cover No. 31 and tie it with rope No. 27 to the arch and the door frame (Fig. 10).

DOOR WITH WINCH

5

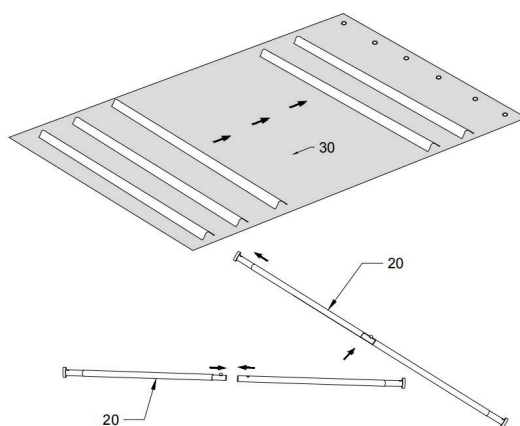


Fig. 11 - Door cover with support tubes

Insert the support tubes No. 20 into the pockets of the door cover No. 30 – the tubes consist of two parts that slot into each other (Fig. 11).

6

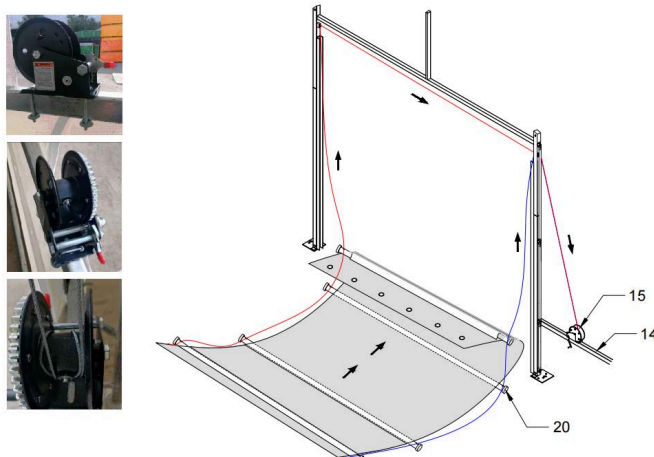


Fig. 12 - Winch and cable routing

Fix the mechanical winch No. 15 to horizontal tube No. 14. Run the winch cable over the pulleys at the top of the door frame to the door cover support tubes No. 20 as shown in Fig. 12.

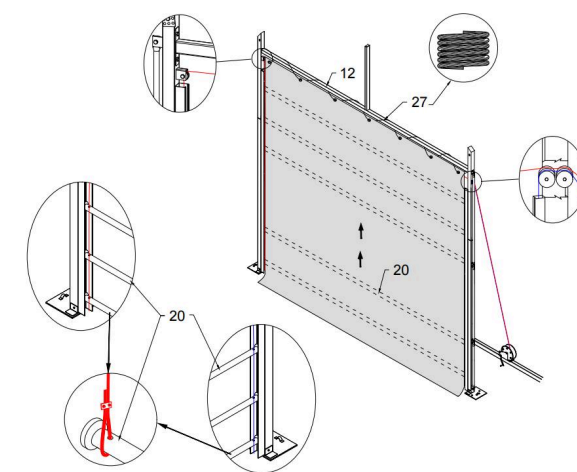


Fig. 13 – Raising the door cover

Fix the door cover at the top to door frame crossbar No. 12 with rope No. 27. Attach the cable ends as shown in the details in Fig. 13 and test raising the door with the winch. Assemble the rear wall in the same way.

INSTALLING THE ROOF COVER



CAUTION

Do not install the roof cover in strong wind. A light breeze is best for assembly: pull the cover over the arches so that the wind fills it like a sail.

1

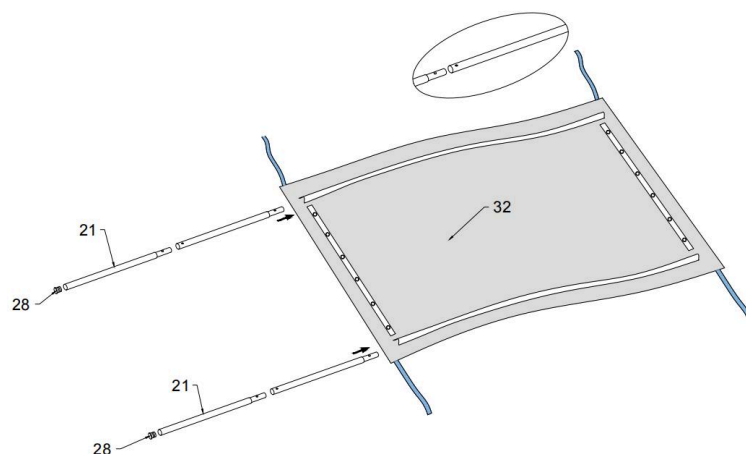


Fig. 14 – Preparing the roof cover

Prepare the roof cover No. 32. Insert the roof cover tensioning tubes No. 21 into the pockets on its side edges and close the ends with plastic end caps No. 28 (Fig. 14).

2

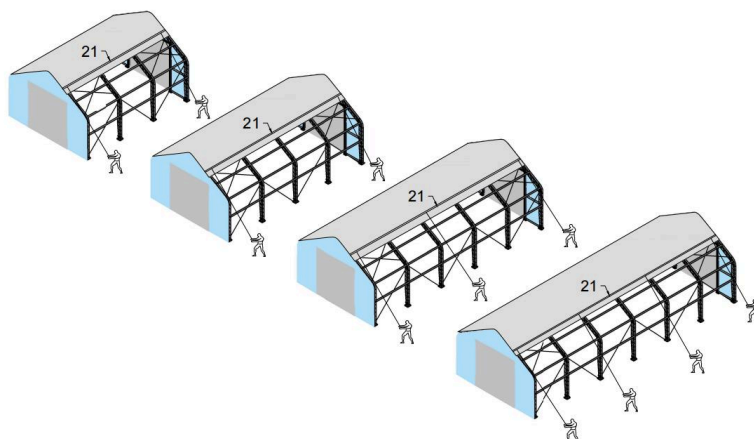


Fig. 15 – Pulling the roof cover over

Pull the roof cover over the frame with ropes evenly, carefully and slowly (Fig. 15).

3

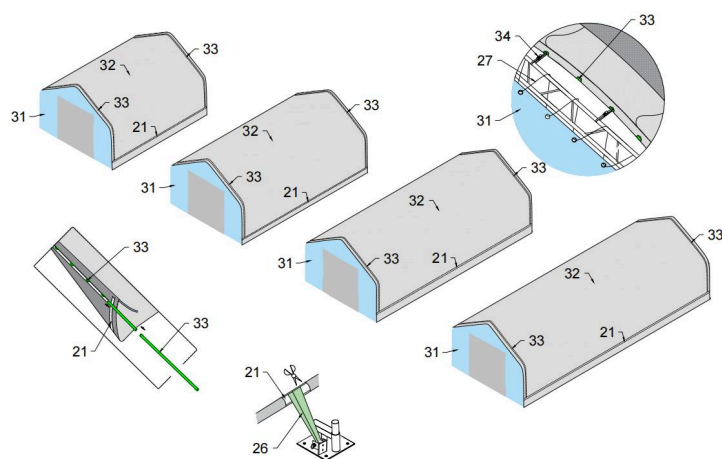


Fig. 16 - Fixing the roof cover

Centre and fix the cover. Insert tubes No. 33 into the flaps at the front and rear arch and pull the flaps tight with small ratchets No. 34 and rope No. 27. Pull the tensioning tubes No. 21 tight with straps No. 26 to ratchets No. 6 on the base plates (Fig. 16).

**NOTE**

The roof cover flaps must overhang evenly at both ends of the hall.

ASSEMBLY DETAILS

ASSEMBLY DETAILS

Check your assembly against the detail photos:



A



B



C



D



E



F

**IMPORTANT**

Under no circumstances leave the roof cover unsecured until the final assembly and tensioning are completed. Several tension adjustments will be needed to get a smooth, taut roof cover. Check and retighten the roof cover every month.

SEALING THE TUBE JOINTS



After assembly, wrap the gaps in the steel structure joints with tape.

MAINTENANCE

MAINTENANCE AND USE

- Check and retighten the roof cover every month.
- Retighten the cover after a few months of use and before winter so that no sagging forms on the roof.
- Remove snow from the roof immediately if it does not slide off by itself.
- If a windstorm or very strong wind is expected, remove the cover.



KEEP THESE INSTRUCTIONS FOR FUTURE REFERENCE.



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Contact us with any questions about assembly.