

Gable-roof tent hall 18.3 × 31.72 m

Model 6010425DP · arch spacing 2.44 m

6010425DP

18.3 × 31.72 × 7.625 m

BEFORE ASSEMBLY

TECHNICAL DATA

MODEL	WIDTH	LENGTH
6010425DP	18.3 m	31.72 m

HEIGHT	DOOR SIZE	ARCH SPACING
7.625 m	5.49 × 4.88 m (š × v)	2.44 m

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 or 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 overstrain 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.

SAFETY TIP

Always use suitable protective equipment such as safety glasses and gloves.

TOOLS AND EQUIPMENT

Measuring tape · Alignment string · Stakes · Ladder or scissor lift · Hammer · Drill · Spanner · Knife · Lifting device

CHECK THE DELIVERY

PARTS LIST

NO.	Part name	Pcs
1	Arch ridge tube	12
1A	Arch ridge tube of front and rear wall	2
2	Upper arch tube	24
2A	Upper arch tube of front and rear wall	4
3	Middle arch tube	24
3A	Middle arch tube of front and rear wall	4
4	Lower arch tube	24
4A	Lower arch tube of front and rear wall	4
5	Shoulder tube	24
5A	Shoulder tube of front and rear wall	4
6	Leg	28
7L	Base plate, left	12
7R	Base plate, right	12
7LA	Corner base plate, left	2
7RA	Corner base plate, right	2
7A	Small base plate for fixing the roof cover	26
7B	Large base plate for fixing the roof cover (in the middle)	2
7C	Anchor stake	192
7D	High-strength ratchet with bolt	32
7E	Ratchet with bolt	28
8A	Base plate for mechanical door	4
8B	Base plate of front and rear wall	8
9	Purlin	195
10L	Lower door rail, left	2
10R	Lower door rail, right	2
11L	Middle door rail, left	2
11R	Middle door rail, right	2
12L	Upper door rail, left	2
12R	Upper door rail, right	2

NO.	Part name	Pcs
13	Lower side leg	6
13A	Lower leg, right (for mechanical winch tube)	2
14L	Upper leg, left	2
14R	Upper leg, right	2
15L	Upper shoulder leg, left	2
15R	Upper shoulder leg, right	2
16	Horizontal tube of front and rear wall	16
16A	Upper outer horizontal tube	4
16B	Horizontal tube for mechanical winch	2
16C	Lower outer horizontal tube	4
17	Door crossbar	4
17A	Vertical tube above door crossbar	2
18	Side steel cable	26 sets
19	Clip	80 sets
19A	Triangular plate for cable attachment	12
20	Roof steel cable	24 sets
20A	Longitudinal steel cable at the ridge	12 sets
21	Lower tensioning tube of front and rear wall	12
22	Roof cover tensioning tube	22 / 2 sets
23	Bolt M12 × 40	704 sets
24	Flange head bolt M10 × 90	230 sets
25	Bolt M10 × 90	28 sets
26	Door cover support tube	32 / 16 sets
27	Mechanical winch	2 sets
28	Plastic end cap	28
29	Rope	1
30	Ball bungee	4
31	Ratchet strap	54
32	PPR tube 32	40
32A	PPR tube 25	80
33	Bolt M10 × 30	44 sets

NO.	Part name	Pcs
34	Small ratchet with strap	276
35	Roof cover	2
36	Front and rear wall cover	2

CHECK THE DELIVERY

STRUCTURE DRAWING

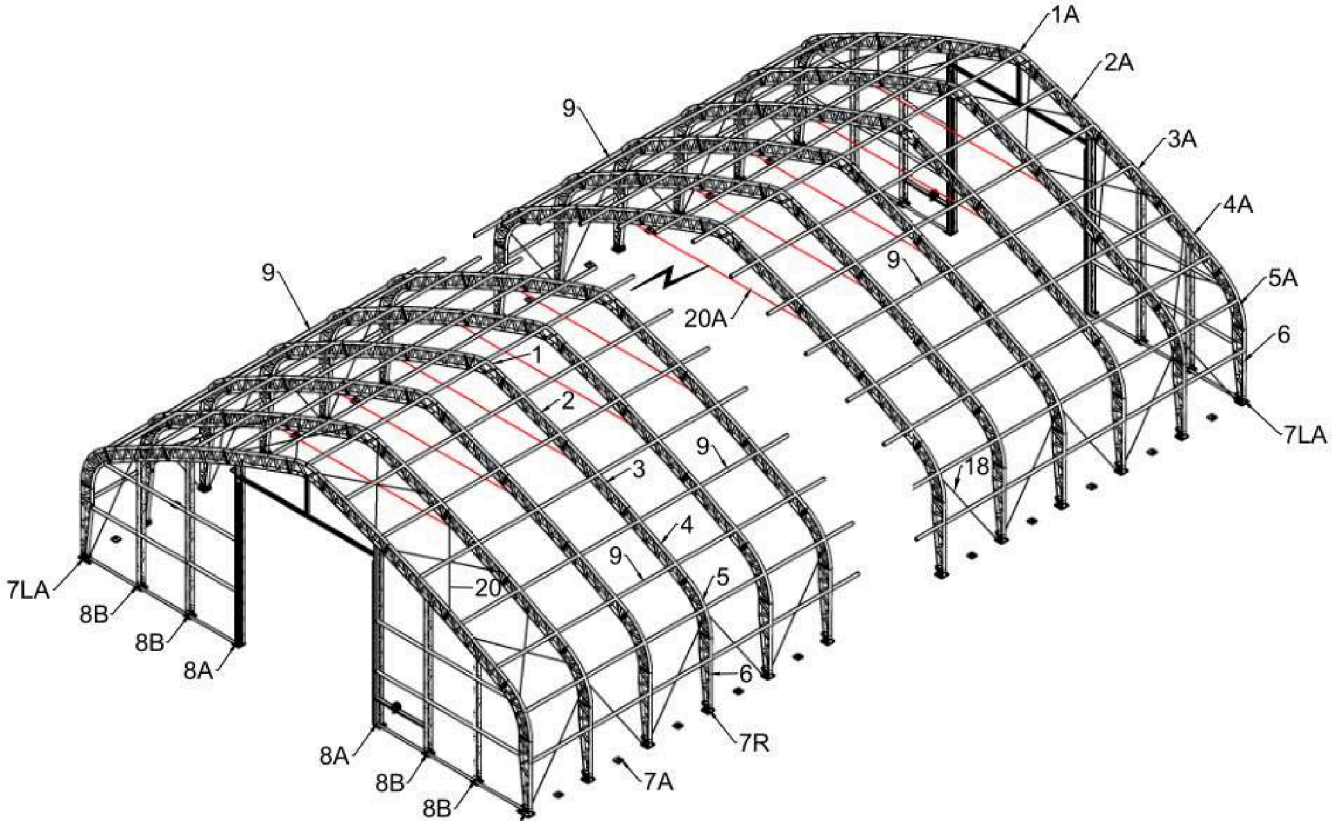


Fig. 1 – Truss structure drawing with part numbers

ASSEMBLY · PART A

INSTALLING THE BASE PLATES

When positioning the base plates, follow Fig. 2.

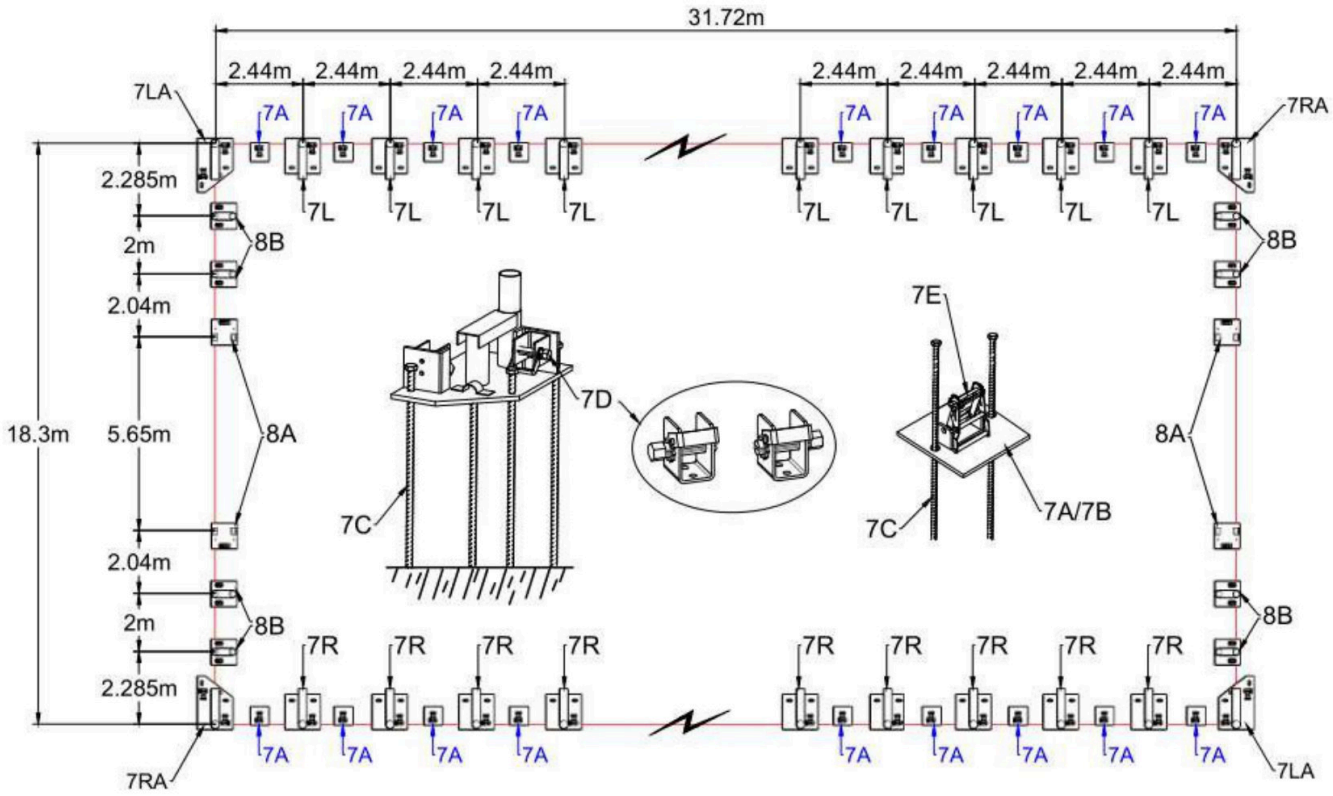


Fig. 2 – Base plate layout (dimensions in m)

Details in Fig. 2: left, base plate with ratchet No. 7D and anchor stakes No. 7C; right, base plate No. 7A/7B with ratchet No. 7E and stakes No. 7C.

1 Dimensions are measured from tube centre to tube centre on the base plates. Check the position of the base plates according to Fig. 2. Each plate has four holes for anchor stakes No. 7C.

2 Mark the stake positions by pushing a stake through the hole in the base plate and marking the point where it is to be driven in. Then set the plate aside – the marked points give the stake positions.

NOTE

The anchor stakes are intended for normal conditions – they are not suitable for stony terrain, frozen ground or concrete surfaces.

ASSEMBLY · PART B

FRAME ASSEMBLY

1

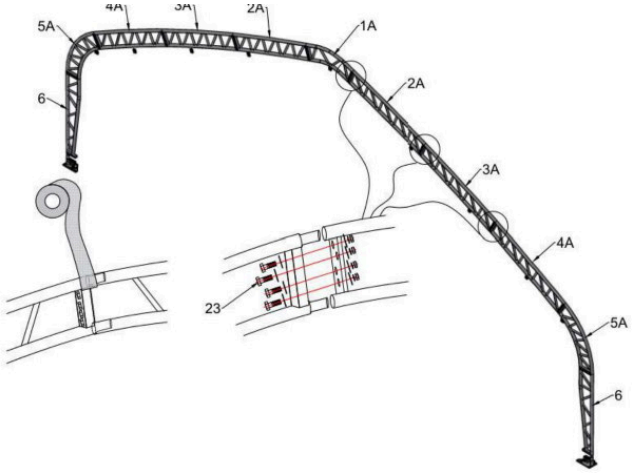


Fig. 3 – First arch (front and rear wall)

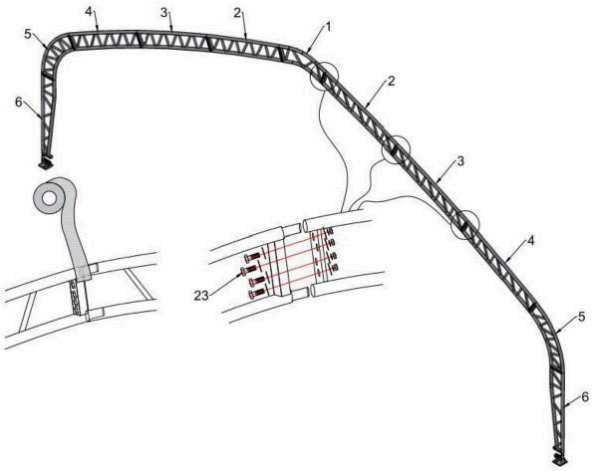


Fig. 4 – Second (middle) arch

According to Fig. 3 and 4, assemble the arch: connect the ridge tube (No. 1/1A), upper arch tube (No. 2/2A), middle arch tube (No. 3/3A), lower arch tube (No. 4/4A), shoulder tube (No. 5/5A) and legs (No. 6) with M12 × 40 bolts (No. 23). Parts marked A belong to the front and rear wall arches.

2

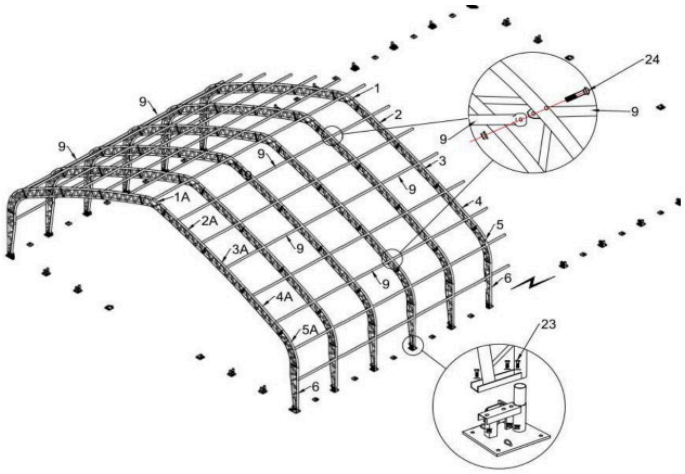


Fig. 5 – Fitting the arches into the base plates

Use a lifting device to insert the arch into the base plate tube and fit all arches one by one in this way (see Fig. 1 and 5).

3

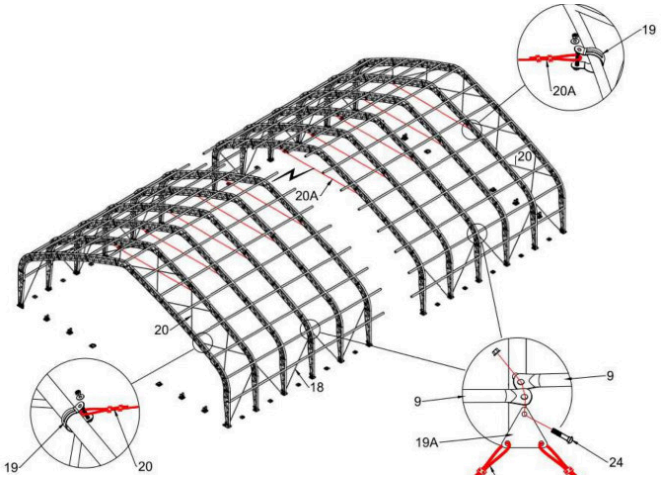


Fig. 6 – Purlins and steel cables

Gradually fix the purlins No. 9 to the arches with M10 × 90 head bolts (No. 24). Then attach the roof and side steel cables (No. 20 and No. 18) and the longitudinal steel cable at the ridge (No. 20A) using clips No. 19 and triangular plates No. 19A (Fig. 6).

CAUTION

Do not install bolts on the top side of the truss arch where the cover will rest.

IMPORTANT

Do not fully tighten the nuts until the frame is completely assembled and in place. Assemble the arches and the front and rear walls on the ground first, and only then fit them into the base plates.

ASSEMBLY · PART C

FRONT AND REAR WALL WITH DOOR

According to Fig. 7 and 8, assemble the door frame from the relevant parts: door rails No. 10L/10R, 11L/11R and 12L/12R, legs No. 13, 13A, 14L/14R and 15L/15R, horizontal tubes No. 16, 16A, 16B and 16C, door crossbar No. 17 with vertical tube No. 17A and lower tensioning tubes No. 21 with plastic end caps No. 28. Secure the joints with bolts No. 23, 24, 25, 25A and 33 and clips No. 19; anchor the base plates with stakes No. 7C.

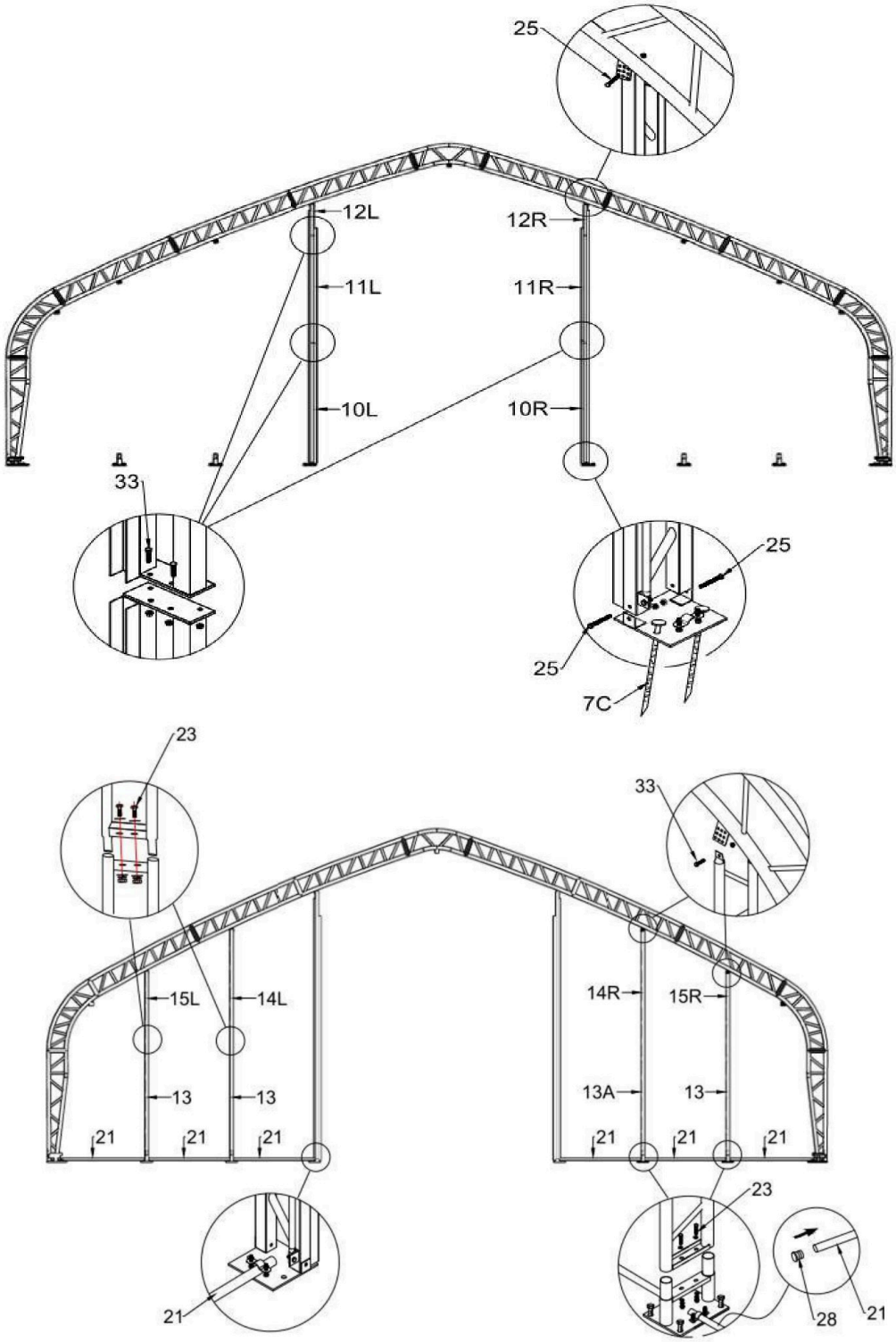


Fig. 7 – Front and rear wall frame parts

1

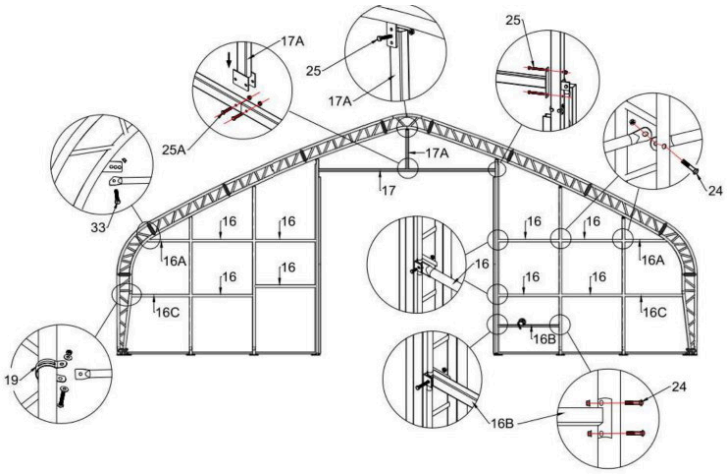


Fig. 8 – Frame joints

Check all frame joints against the details in Fig. 8.

2

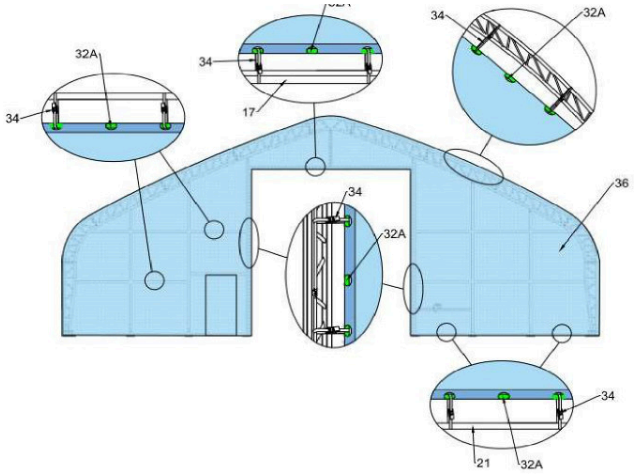


Fig. 9 – Fixing the front and rear wall cover

Place PPR tube No. 32A on the frame and fix the front and rear wall cover No. 36 with the tube using small ratchets with strap No. 34 (Fig. 9).

3

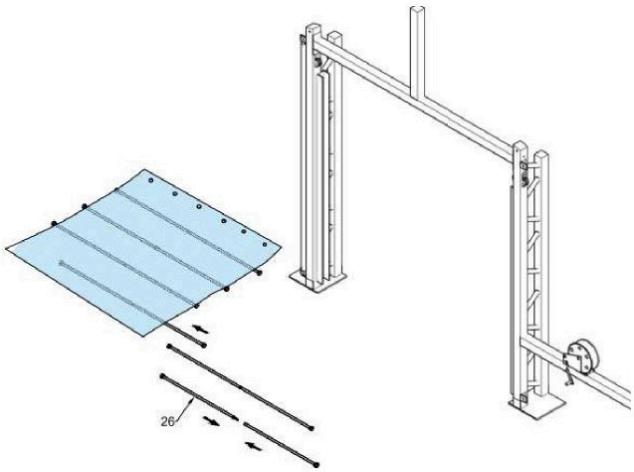


Fig. 10 – Door cover support tubes

Insert the support tubes No. 26 through the pockets into the door cover (Fig. 10).

4



Fig. 11 – Mechanical winch

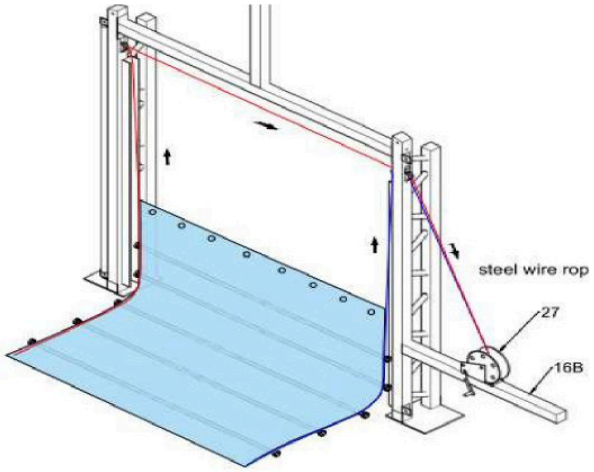


Fig. 12 – Steel cable routing (steel wire rope = steel cable)

Wind the steel cable onto the mechanical winch No. 27 (Fig. 11). Run the cable over the double pulley onto the single pulley; pass the other end of the cable straight over the double pulley (Fig. 12). The winch is mounted on horizontal tube No. 16B.

5

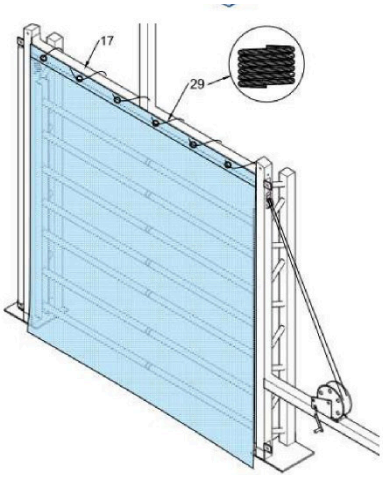


Fig. 13 – Hanging the door cover

Pass the installed steel cable through the hole in the support tube from top to bottom and tie a knot at its lower end so that the cable cannot slip back. Hang the door cover on door crossbar No. 17 and tie it with rope No. 29 (Fig. 13).

6

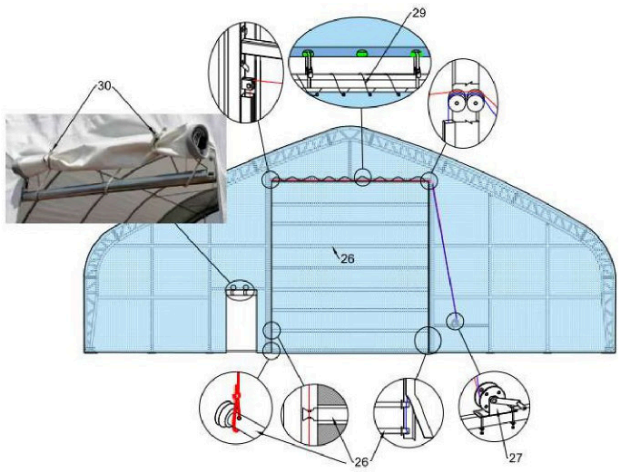


Fig. 14 – Finished door with winch No. 27 and ball bungees No. 30

Raise the entire door cover and fix it firmly to the frame with rope. The door is then opened and closed with the winch (Fig. 14). Fit the rear door in the same way.

ASSEMBLY · PART D

INSTALLING THE ROOF COVER

CAUTION

Do not install the roof cover in strong wind.

1

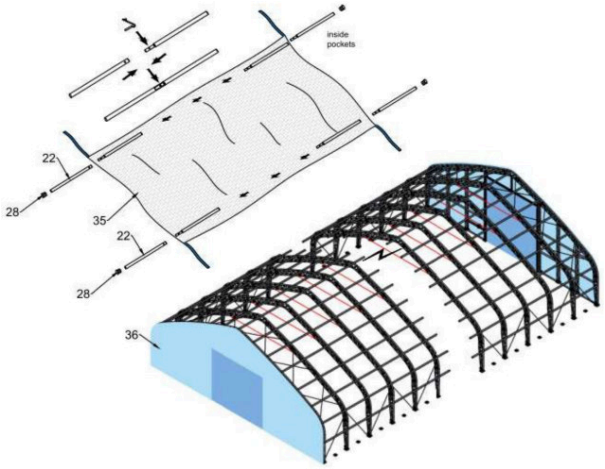


Fig. 15 – Preparing the roof cover (inside pockets = inner pockets)

Prepare the roof cover No. 35. Insert the roof cover tensioning tubes No. 22 into the pockets on the inner side of its edges and close the ends with plastic end caps No. 28 (Fig. 15).

2

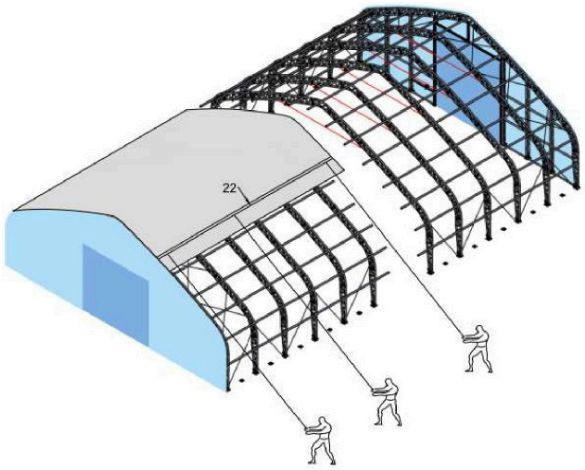


Fig. 16 – Pulling the roof cover over

Place the roof cover on the frame and pull it over with ropes evenly, carefully and slowly (Fig. 16).

3

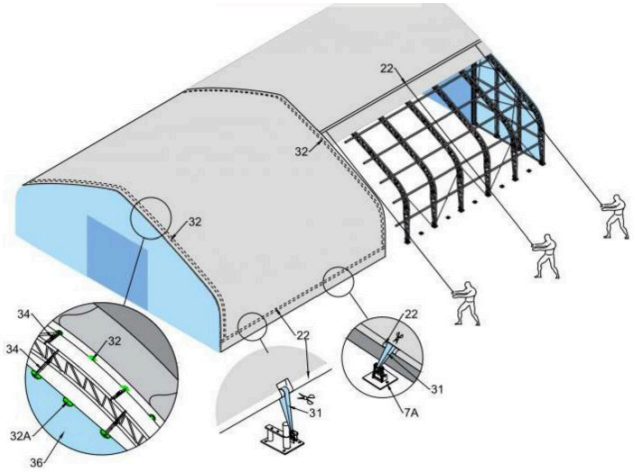


Fig. 17 – Two roof covers

Model 6010425DP has two roof covers – pull the second cover over in the same way. Details in Fig. 17: tensioning tube No. 22 is attached to base plate No. 7A with strap No. 31; the cover edge at the arch is joined with PPR tubes No. 32 and 32A and small ratchets No. 34.

4

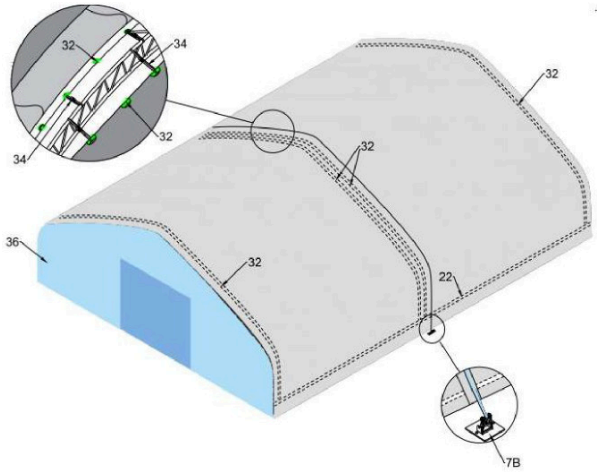


Fig. 18 – Fixing the roof cover

According to Fig. 18, insert PPR tube No. 32 into the front and rear ends of the roof cover and connect them with small ratchets No. 34. If the roof cover consists of several pieces, insert a PPR tube into both sides of each piece and join the pieces with rope. At the cover joint, the tensioning tubes are attached to the large base plate No. 7B.

5

Insert the tensioning tubes No. 22 so that the roof cover fits snugly against the frame. Then cut openings in the pocket matching each inner base plate. Fix nylon strap No. 31 in ratchet No. 7D. The straps are not attached to the tensioning tubes – they wrap around them and both ends are fixed in the ratchet.

MAINTENANCE

MAINTENANCE AND USE

- After completing the frame assembly, cover the gaps in the steel structure with fabric tape.
- Check and adjust the roof cover every month – it must be smooth and well tensioned.
- Retighten the cover after a few months of use and before winter.
- Remove snow from the roof immediately if it does not slide off by itself.

KEEP THESE INSTRUCTIONS FOR FUTURE REFERENCE.

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Contact us with any questions about assembly.