



Tent hall, width 18.3 m

Model 608025P · assembly and operating instructions

608025P

18.3 × 24.4 × 7.625 m

BEFORE ASSEMBLY

TECHNICAL DATA

MODEL

608025P

WIDTH

18.3 m

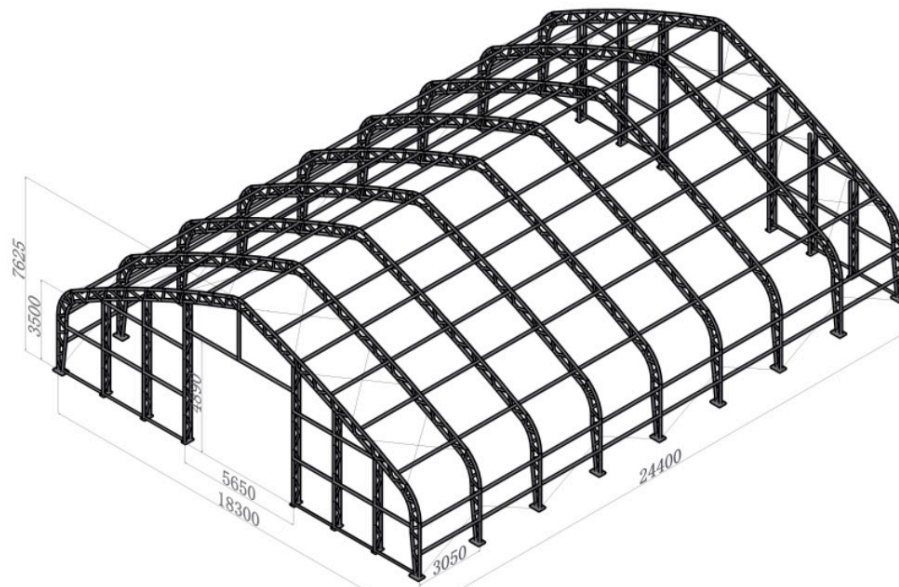
LENGTH

24.4 m

HEIGHT

7.625 m

DOOR SIZE

5.49 × 4.88 m (š × v)

Hall structure (dimensions in mm)

**IMPORTANT!**

- Persons who use or assemble the hall or its parts must be familiar with the relevant sections of these instructions.
- Incorrect site preparation, incorrect assembly, operation or maintenance may void the warranty and cause unnecessary and costly repairs. If you have any questions, please contact us.
- Consider the possible wind conditions and, if possible, anchor the foundations in concrete. If you expect wind gusts above the cover's resistance (100 km/h), remove all covers.
- Follow the rules given in the Hall maintenance section. Snow must be removed from the cover.
- Do not use energy or heat sources that could damage the cover.
- Pay attention to the safety of persons during assembly and use of the hall. Ensure sufficient ventilation for exhaust gases and other hazardous fumes.

READ ALL INSTRUCTIONS BEFORE ASSEMBLY

- In these instructions each part is marked separately with a number that matches the parts list.
- Before starting assembly, check that the delivery is complete against the enclosed parts list.
- Before and during assembly, look through the assembly photos in the appendix at the end of the instructions.
- Keep the work area clean. Untidy areas can cause injury. Do not erect the hall near snowdrifts, in slippery or wet places or in places with strong wind.

BEFORE ASSEMBLY

SITE PREPARATION AND ANCHORING

The maximum deviation of the anchoring surface is a 2 % slope.



BASE PLATE LEVEL

The ground must be levelled precisely where the edges of the hall will be – all base plates must be on one level!

- In locations with strong wind gusts, the anchoring must be adapted to the conditions (e.g. concrete footings).
- Orient the hall so that wind gusts do not blow into the end walls of the hall.
- Anchoring into asphalt is only possible if the asphalt surface is at least 18 cm thick.
- Anchoring into concrete is only possible if the concrete surface is at least 20 cm thick.
- Anchoring into the ground is only possible if the soil profile consists of homogeneous soil. We do not recommend anchoring directly into sandy, gravel or other non-homogeneous soil profiles; it is, however, possible after building concrete footings.
- Anchoring with rebar ground anchors (included) is at the buyer's own risk and the seller provides no warranty for this anchoring.

EQUIPMENT AND TOOLS REQUIRED FOR ASSEMBLY

Measuring tape

Alignment string

Marking stakes

Scaffold

Mallet

Drill

Spanners

Knife

Lifting device

CHECK THE DELIVERY

PARTS LIST

NO.	Part name	Pcs
● 1	Ridge tube	9
● 1A	Ridge tube for end arches	2
● 2	Upper arch tube	18
● 2A	Upper arch tube for end arches	4
● 3	Middle arch tube	18
● 3A	Middle arch tube for end arches	4
● 4	Lower arch tube	18
● 4A	Lower arch tube for end arches	4
● 5	Shoulder arch tube	18
● 5A	Shoulder arch tube for end arches	4 sets
● 6	Leg	22
● 7	Inner base plate	18
● 7L	Corner base plate, left	2
● 7R	Corner base plate, right	2
● 7B	Joint base plate	2
● 7C	Rebar ground anchor	154
● 7D	Ratchet	28
● 8A	Gate base plate	4
● 8B	End-wall base plate	8
● 9	Strut	150
● 10L	Left lower gate frame	2
● 10R	Right lower gate frame	2
● 11L	Left middle gate frame	2
● 11R	Right middle gate frame	2
● 12L	Left upper gate frame	2
● 12R	Right upper gate frame	2
● 13	End-wall leg	6
● 13A	End-wall leg for winch	2
● 14L	Left upper leg	2

NO.	Part name	Pcs
● 14R	Right upper leg	2
● 15L	Left shoulder leg	2
● 15R	Right shoulder leg	2
● 16	Horizontal tube	16
● 16A	Shoulder horizontal tube	4
● 16B	Horizontal tube for winch	2
● 16C	Outer horizontal tube	4
● 17	Gate beam	2
● 17A	Vertical tube for gate beam	2
● 18	Steel cable for walls	20
● 19	Clamp	70
● 19A	Steel triangle	10
● 20	Steel cable between arches	24
● 20A	Transverse steel cable	9
● 21	End-wall tensioning tube	12
● 22	Tensioning tube	2 sets
● 23	Bolt M12 × 40 mm	560
● 24	Bolt M10 × 90 mm, high-strength	185
● 25	Bolt M10 × 90 mm for end walls	28
● 26	Gate tube	16
● 27	Mechanical winch	2
● 28	Plastic end cap	28
● 29	Rope	1
● 30	Hand winch kit	2
● 31	Ratchet strap	22
● 32	PVC tube	4 sets
● 33	Bolt M10 × 30 mm	44
● 34	Small ratchet with strap	60
● 35	End-wall cover	2
● 36	Main cover	2

STRUCTURE DRAWING

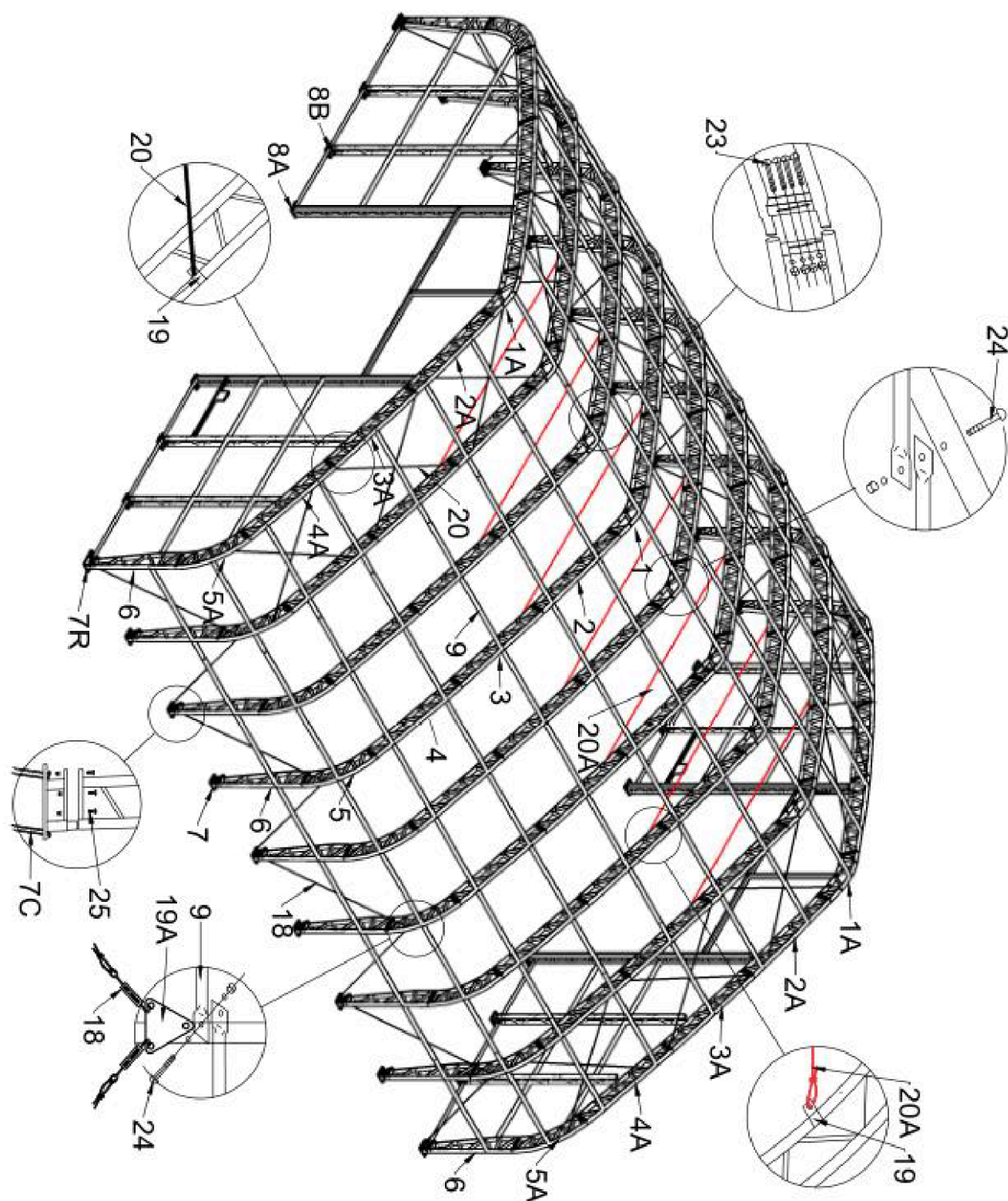


Fig. 1 - Structure drawing

INSTALLING THE BASE PLATES

Position the base plates according to Fig. 2.

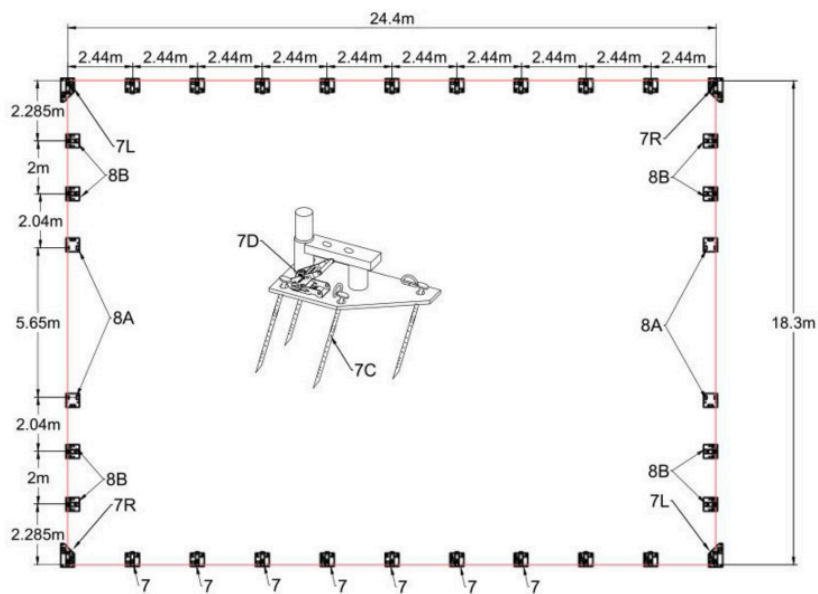


Fig. 2 – Base plate layout

1

We recommend measuring the distances between the centres of the tubes on the base plates onto which the arches are fitted. After measuring and anchoring, make sure the base forms a right-angled rectangle.

2

Anchoring into unpaved ground: Anchor the steel base plates into the ground using the rebar ground anchors (No. 7C – included) or ground screws (not included). Each base plate has four holes for rebar anchors. Note: Install the rebar anchors in unpaved ground; they are not suitable for concrete, frozen ground, etc. (see Site preparation and anchoring).

3

Anchoring into concrete/asphalt: To anchor the base plates into a solid surface (asphalt, concrete, paving, etc.), use chemical or mechanical anchors. Chemical or steel anchors for solid surfaces such as asphalt, concrete, etc. may only be used in accordance with the anchor manufacturer's recommendations.

4

Fit the ratchets (No. 7D) on the base plates. The corner base plates always have two ratchets – one for tightening the cover and one for tightening the cover hem.

FRAME ASSEMBLY



IMPORTANT

- Always assemble the individual arches on the ground.
- Do not fit bolts on the top (outer) side of the frame, so that the cover does not rub.

1

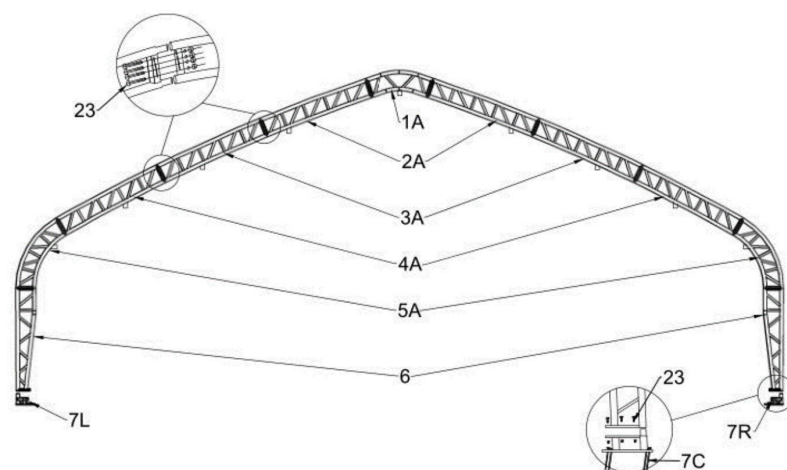


Fig. 3 – End arch

According to Fig. 3, use M12 × 40 bolts (No. 23) to assemble the first and last arch from the ridge tube for end arches (No. 1A), the upper, middle, lower and shoulder arch tubes for end arches (No. 2A, 3A, 4A, 5A) and the legs (No. 6).

2



Fig. 4

After assembling this and all other arches, wrap the joints with tape so that they do not rub against the cover surface (Fig. 4).

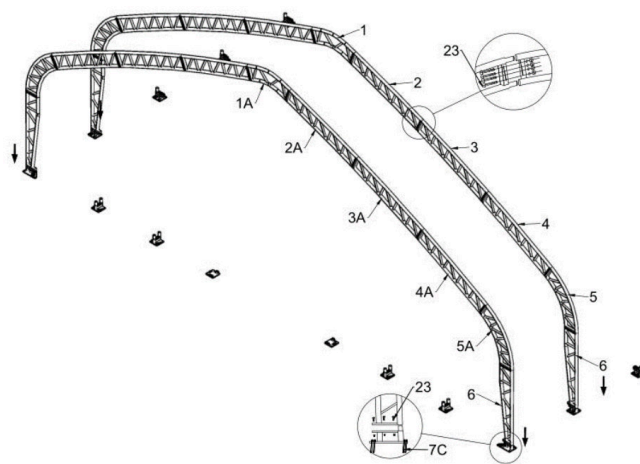
3

Fig. 5 – Inner arch

According to Fig. 5, use M12 × 40 bolts (No. 23) to assemble the inner arches from the ridge tube (No. 1), the upper, middle, lower and shoulder arch tubes (No. 2, 3, 4, 5) and the legs (No. 6).

4

Using a lifting device, fit the first and second arch onto the corresponding base plates and bolt them with M12 × 40 bolts (No. 23).

5

Proceed according to Fig. 6: Install the third arch in the base plates in the same way and connect the purlins (No. 9) using M10 × 90 bolts (No. 24). On the inner arches, two purlins are always connected at one joint on one bolt.

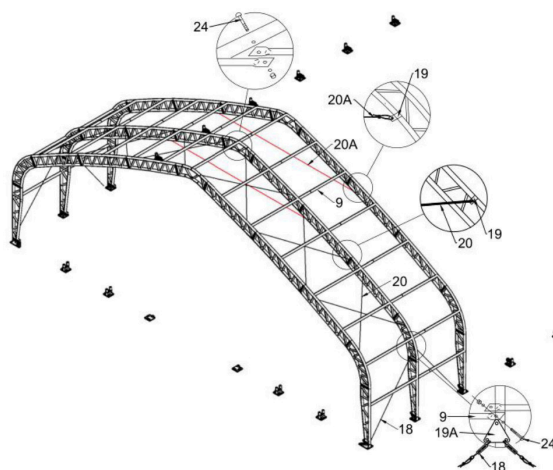
6

Fig. 6

Proceed according to Fig. 6: Connect the wall steel cables (No. 18) to the arches using steel triangles (No. 19A). Using clamps (No. 19), fit the transverse steel cables (No. 20A) and the steel cables between two arches (No. 20).

7

Fit all other arches in the same way until the entire hall frame is assembled.

FITTING THE END WALLS

The front and rear wall structures are identical. Assemble the structure on the ground, and only then lift it and connect it to the hall frame. The required parts and joint details are shown in Fig. 7 and Fig. 8.

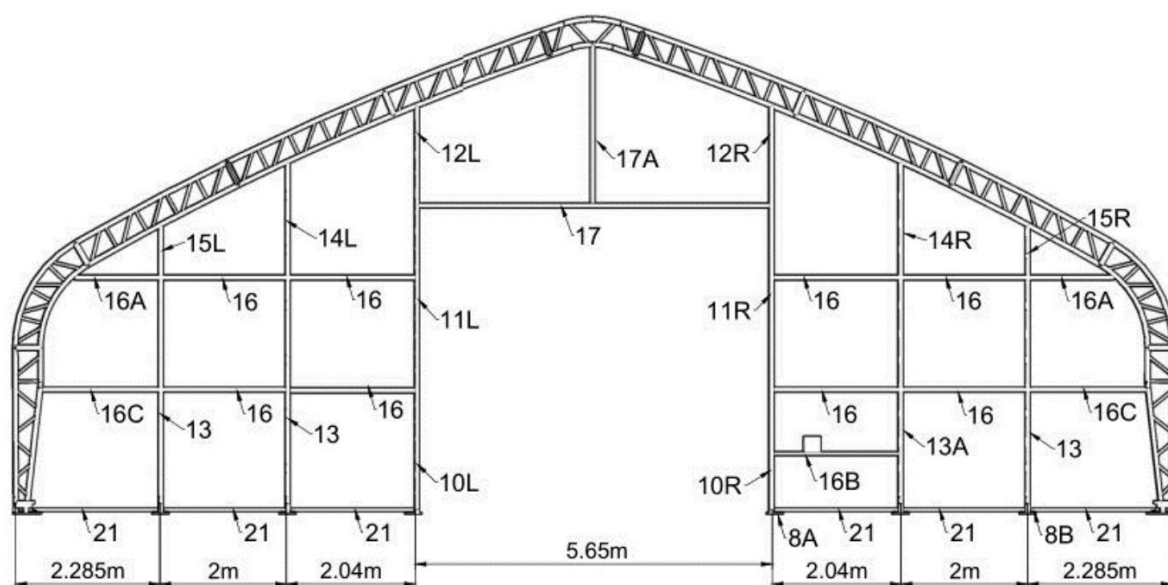


Fig. 7 - End-wall parts (dimensions in m)

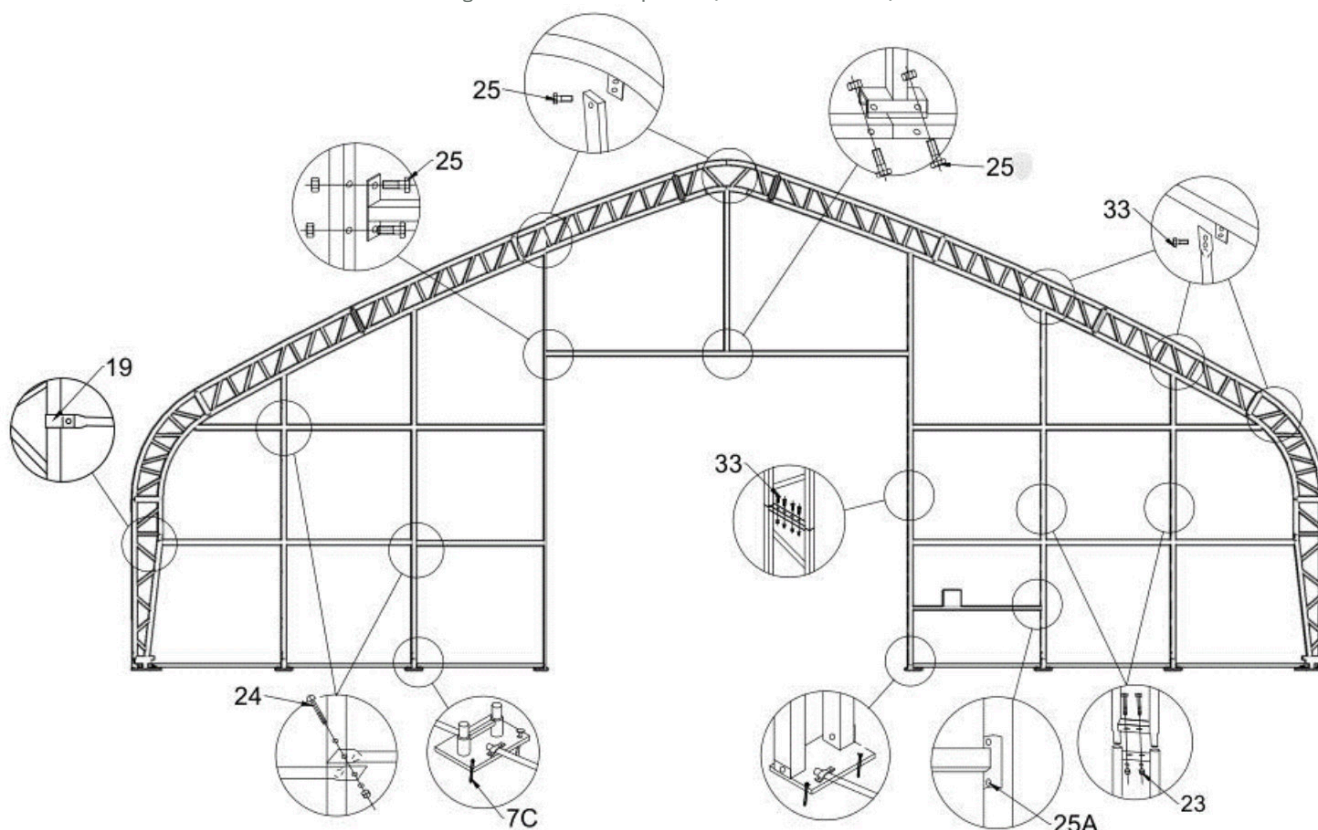


Fig. 8 - End-wall joint details

ASSEMBLY · PART C

END-WALL COVERS

After fitting the end-wall structure, fix the end-wall covers. The end-wall covers (No. 35) consist of a wall section and a gate section.

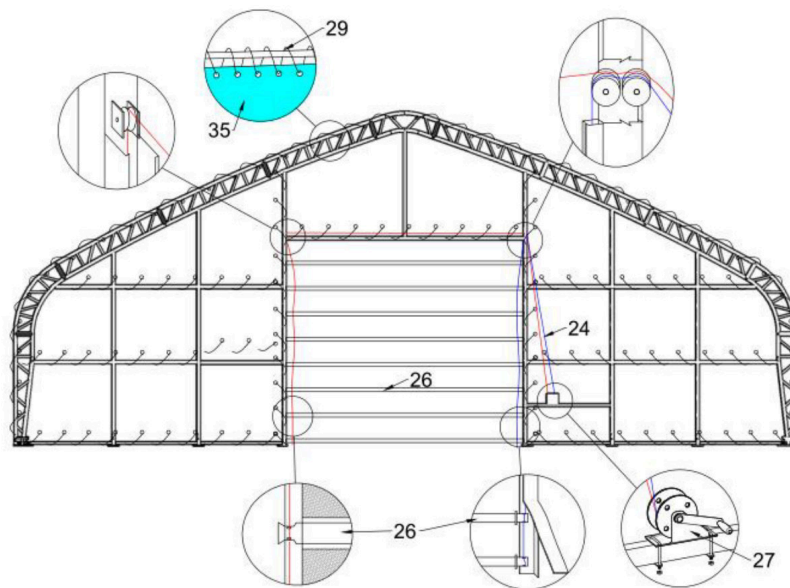


Fig. 9 – Fixing the end-wall cover and the gate cover



CAUTION

Do not fix the cover in windy weather.

FIXING THE COVER TO THE FRONT AND REAR WALL

1

Fit the wall cover by lacing rope around the perimeter frame according to Fig. 9.

2

First cut the lacing rope (No. 29) to the required length. Then attach the wall cover with the rope at the top centre and lace towards the right and left sides of the structure at the same time. Pass the rope through the eyelets in the cover and tighten as you go. If necessary, you can extend the rope.

3

Tie the rope ends at suitable points, e.g. to the eyelets on the base plates.

FIXING THE COVER TO THE FRONT AND REAR GATE

Proceed according to Fig. 9:

1

Lay the gate cover on the ground and insert the gate tubes (No. 26) into the individual sleeves.

2

Fix the top edge of the gate to the hall frame with lacing rope (No. 29), lacing it through the individual eyelets in the gate cover.

3

Knot one piece of steel cable (part of No. 27, shown in red in the picture) at the end and pass it through the hole in the lower left gate tube (No. 26). Thread it upwards through all other holes in the tubes (No. 26), over the left single pulley, along the top of the gate to the right double pulley and finally down to the winch.

4

Knot the second piece of steel cable at the end in the same way and thread it through the holes from the lower right gate tube upwards and on over the double pulley back down to the winch.

5

Assemble the mechanical winch and fix both steel cables in it.

6

The gate is operated by turning the gate winch handle. The winch is equipped with a locking pawl.

FITTING THE MAIN COVER



CAUTION

- Observe the inner and outer side of the cover.
- Do not leave the hall until the cover is fully secured.
- Do not fit the hall cladding in windy weather.
- A light breeze can make assembly easier – pull the cover over the arches so that the breeze blows into it and lifts it.

If the main cover (No. 36) consists of several separate parts, each is fitted separately. Keep the correct order and orientation so that there is always a hem at the end walls, and at inner joints always one with a hem and one without.

1

Spread out the first part of the cover (No. 36) and lay it parallel to one side of the frame.

2

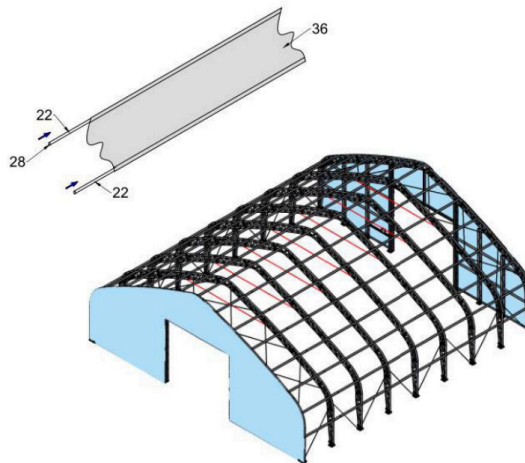


Fig. 10

Insert the tensioning tube (No. 22) into one side of the cover only. Cut several openings in the cover at the tube to attach the pulling rope (rope not included)(Fig. 10).

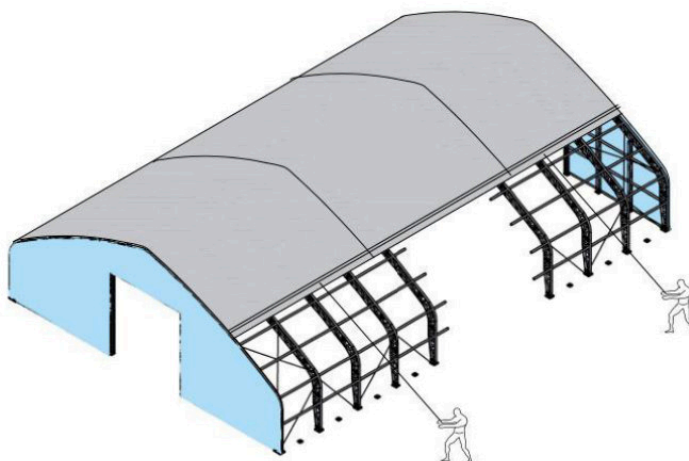
3

Fig. 11

Tie the ropes around the tensioning tube (No. 22) through the cut openings and throw the rope ends over the frame. Then pull the cover over evenly, carefully and slowly (Fig. 11).

4

Adjust the cover so that it is evenly centred on the frame. Insert the lower tensioning tube (No. 22) into the other side of the cover. Cover the tube ends with plastic end caps (No. 28). Note: The cover must overhang evenly at both end walls and on the sides of the hall. If the main cover consists of several parts, at the joint of two covers one cover is always tensioned almost to the hall frame and the other overlaps it with its hem (see the joint detail in Fig. 12).

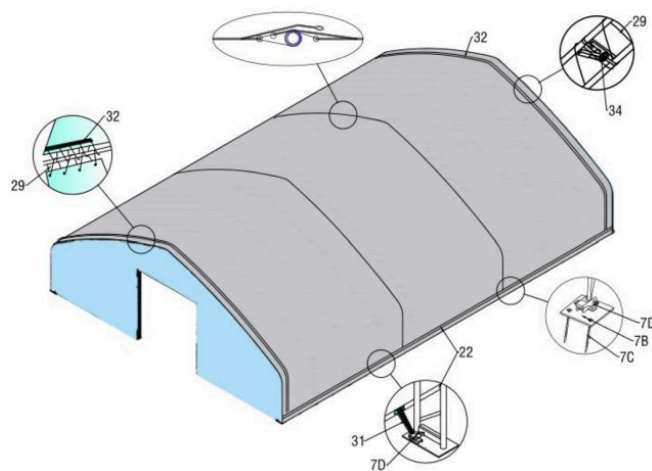
5

Fig. 12

For the next steps, follow Fig. 12. Insert a PVC tube (No. 32) into both sleeves at the cover edges. Where the PVC tube is freely accessible, fit a small ratchet (No. 34), connect it with a strap to the PVC tube and use it to fully tension the cover lengthwise.

6

Use the remaining length of lacing rope (No. 29) to tension the cladding to each end arch, or to the arches where the covers join. On all arches, lace the cover from the top centre down to the bottom edge towards the right and left sides at the same time. If necessary, you can extend the rope.

7

After lacing both edges of the cover, start tensioning both edges symmetrically from the top centre, tightening the rope on the right and left sides at the same time. Throughout tensioning, check that the cover is centred on the frame so that the overhangs are equal on all sides. After tensioning, secure the ropes at the bottom (e.g. by tying them to the frame). Note: After tensioning, the approximate distance of the cover eyelets from the end arches should be the same at both ends of the hall.

8

If the hall cladding consists of several cover pieces, repeat steps 1 to 7 for each cover. At the joint of two covers, one cover is always tensioned almost to the hall frame and the other overlaps it with its hem.

9

After all covers are fully tensioned lengthwise, proceed to tensioning in the transverse direction. Use the ratchets on base plates 7D, 7L and 7R for this, except one ratchet on each corner plate (7L, 7R) and any ratchets on the joint base plates (No. 7B), which you will use in the next step. First cut open the sleeves around the tensioning tubes (No. 22) at the ratchet positions. Then pass the nylon strap (No. 31) through the openings in the sleeves around the tube and secure it in the ratchets. Tension the cover by moving the ratchets back and forth, checking continuously that the cover overhangs evenly on both sides.

10

Finally, tension the cover hems. If the cladding consists of several cover pieces, first fix the ratchets on the joint base plates (No. 7B) so that their position matches the protruding straps at the lower corners of the hem. Then attach the protruding strap ends at the lower corners of the hems to one ratchet on each corner plate (No. 7L, 7R) and to any ratchets on the joint base plates (No. 7B). Use the ratchets to tension the hems on both sides at the same time until fully and symmetrically taut.

APPENDIX

PHOTOS FROM THE ASSEMBLY OF A SIMILAR HALL

Illustrative photos from the assembly of a similar hall

MAINTENANCE

HALL MAINTENANCE

Congratulations, assembly is complete.

- Check the cover tension regularly and retension it if necessary using the same procedure as during assembly. We recommend checking 2× a year – always before winter and in spring after the frosts. Cold, heat and sunlight cause the fabric (cover) to slacken, so it is important to prevent it from sagging and "flapping".
- Snow must be removed from the cover if it does not slide off by itself.
- Excessive humidity can cause mould. We recommend ventilating the hall regularly and using any ventilation openings in the end wall. The cover can be treated with standard anti-mould products.
- We do not recommend using acid-based cleaning agents to clean the cover.
- To ensure correct operation of the gate winch, its moving parts (gear train, pawl and bearings) must be lubricated.
- Check the gate winch cable regularly. If it has broken strands or is corroded, it must be replaced without fail.



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Contact us with any questions about assembly.