



Livestock shelter 8 × 8 m

Dimensions 8 × 8 × 4 m · arch spacing 2 m

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8 × 8 × 4 m

BEFORE ASSEMBLY

TECHNICAL DATA

WIDTH

8 m

LENGTH

8 m

HEIGHT

4 m

ARCH SPACING

2 m

**IMPORTANT – READ THE INSTRUCTIONS BEFORE ASSEMBLY**

Incorrect site preparation, assembly or maintenance can cause unnecessary and costly errors. Each part is marked with a number given in the parts list – follow these numbers 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 stiffer then, slackens when it gets warmer and must be retightened before the next winter.
- Remove 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 shelter near snowdrifts, on slippery or wet surfaces or in strong wind.
2. Children must be kept away from the work area.
3. Do not 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 base in concrete. Remove the cover during a windstorm.
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 clamps and tubes. During use, ensure sufficient ventilation to remove exhaust gases and other hazardous fumes.

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	Roof arch tube – three-way	2 pcs
● 1A	Roof arch tube – four-way	3 pcs
● 2	Side wall arch tube	6 pcs
● 2A	Side wall arch tube for front and rear door	4 pcs
● 3	Shoulder arch tube	4 pcs
● 3A	Vertical support leg	10 pcs
● 3B	Shoulder arch tube with steel plate	6 pcs
● 4	Longitudinal beam (purlin)	16 pcs
● 4A	Upper longitudinal beam (purlin)	4 pcs
● 4B	Upper cross tube	6 pcs
● 4C	Upper hanger	3 pcs
● 5	Railing for front, rear and middle wall	18 pcs
● 5A	Railing for front and rear side wall	8 pcs
● 6	Base plate – centre	6 pcs
● 6L	Base plate – left corner	2 pcs
● 6R	Base plate – right corner	2 pcs
● 7	Base plate for front and rear door	4 pcs
● 8	Lower vertical leg for front and rear door	4 pcs
● 9	Upper vertical leg for front and rear door	4 pcs
● 10L	Left door	1 pcs
● 10R	Right door	1 pcs
● 11	Door beam for both doors	2 pcs
● 12	Single tube clamp with bolt M10 × 30	24 pcs
● 13	Double tube clamp with bolt M10 × 30	30 pcs
● 14	Carriage bolt M8 × 80	114 pcs
● 15	Carriage bolt M10 × 90	28 pcs
● 16	Clip (as required)	4 pcs
● 17	Self-tapping screw	8 pcs
● 18	Lower roof cover tensioning tube	2 sets

NO.	Part name	Pcs
● 19	Roof cover	1 pcs
● 19A	Rear cover	1 pcs
● 20	Ratchet with strap	10 pcs
● 22	Rope (bundle)	1 bundle
● 23	Anchor stake	38 pcs
● 24	Plastic end cap Ø 32 mm	4 pcs
● 25	Plastic end cap Ø 40 mm	30 pcs
● 26	Bolt M10 × 30	12 pcs

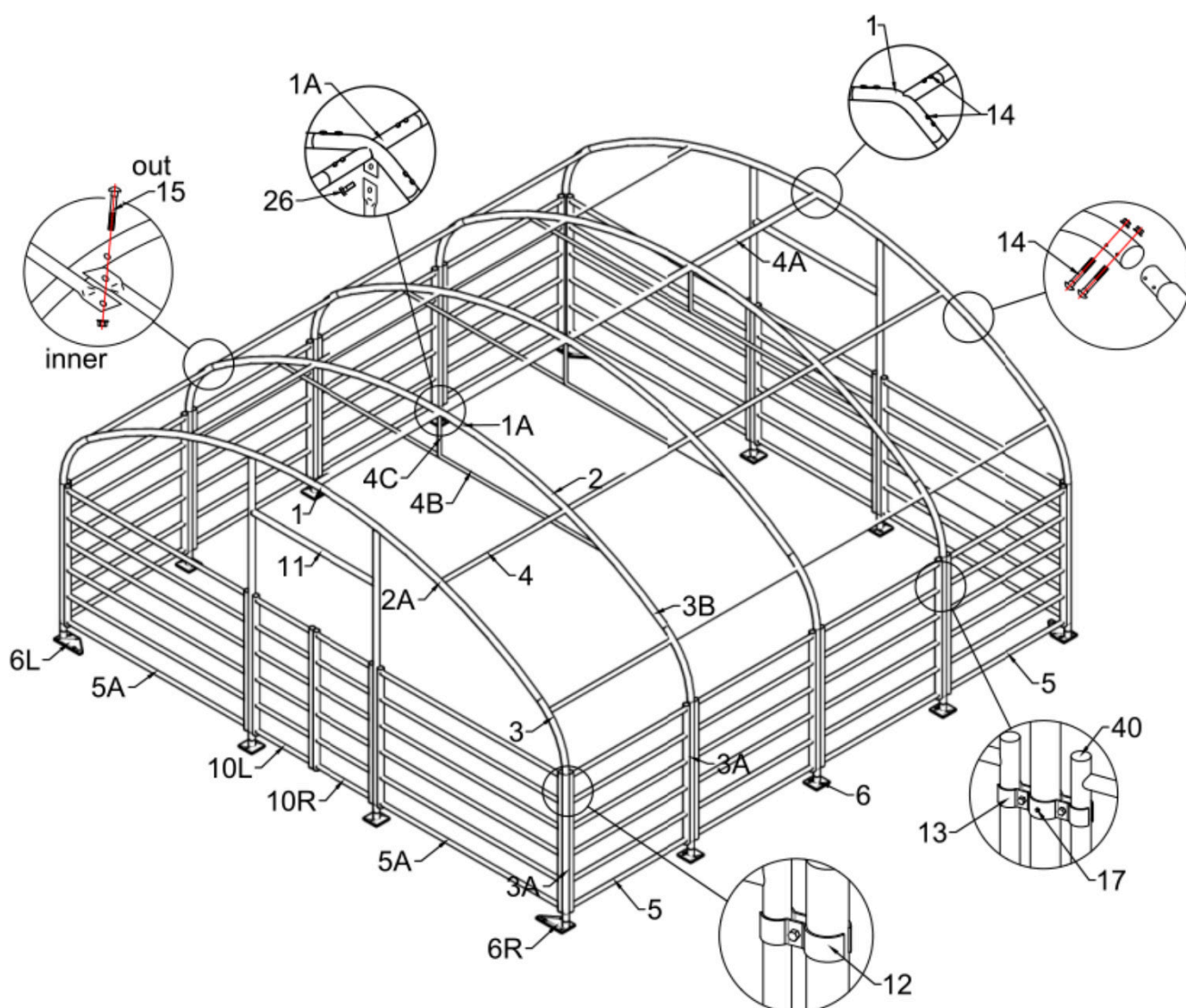


Fig. 1 - General steel frame drawing with part numbers

INSTALLING THE BASE

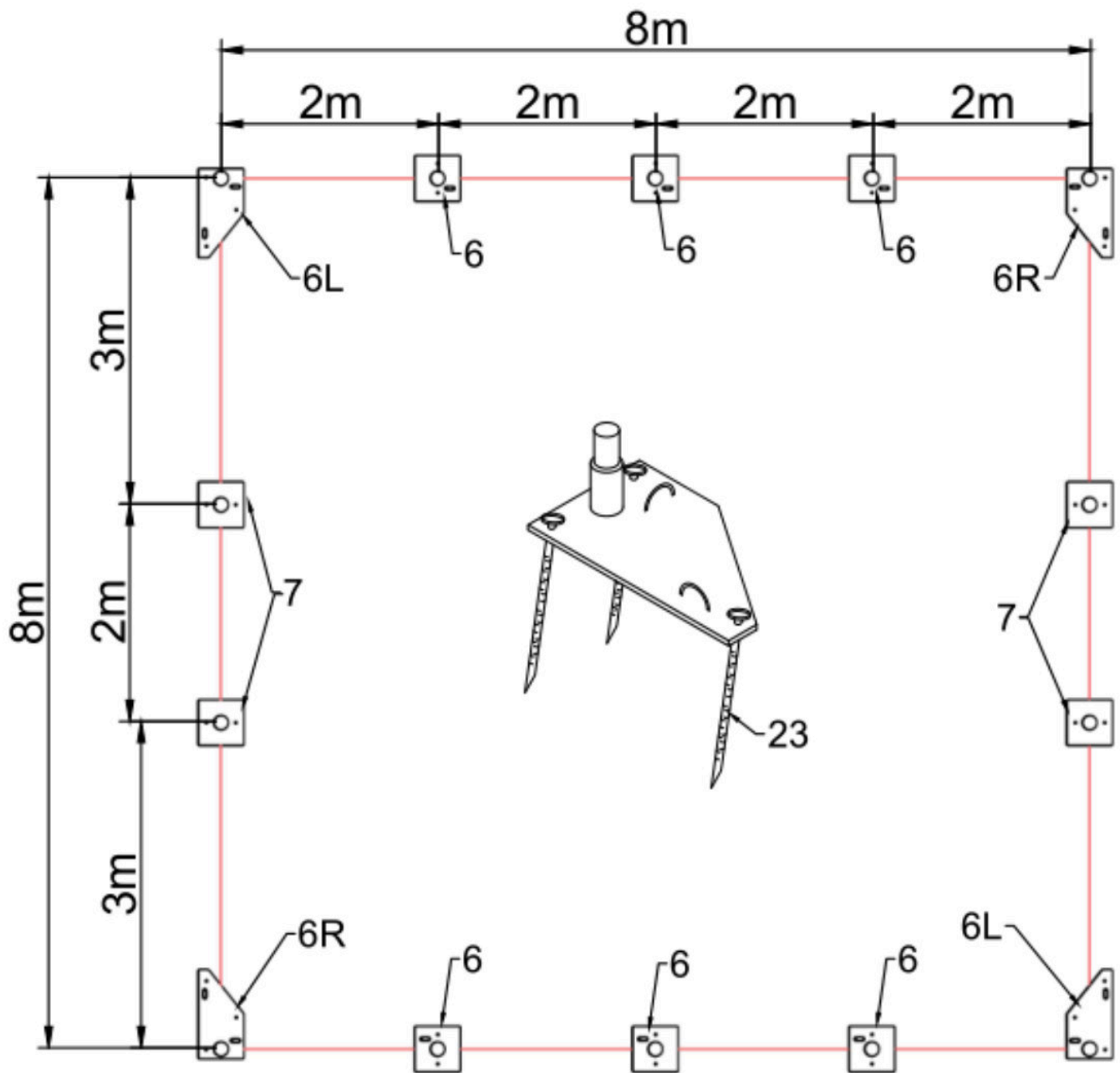


Fig. 2 – Base plate layout (dimensions in m)

1

Lay out the base plates (No. 6, 6L, 6R and 7) according to Fig. 2. Dimensions are measured from tube centre to tube centre on the base plates. Check the position of the base plates against the drawing.

2

Each base plate has three holes and comes with 3 anchor stakes (No. 23), as shown in Fig. 2. Push a stake through the hole in the base plate and mark where it is to be driven in. Then set the base plate aside – the marked points give the stake positions. The anchor stakes are not intended for a concrete base – for installation on concrete, prepare expansion bolts.

STRUCTURE ASSEMBLY

1

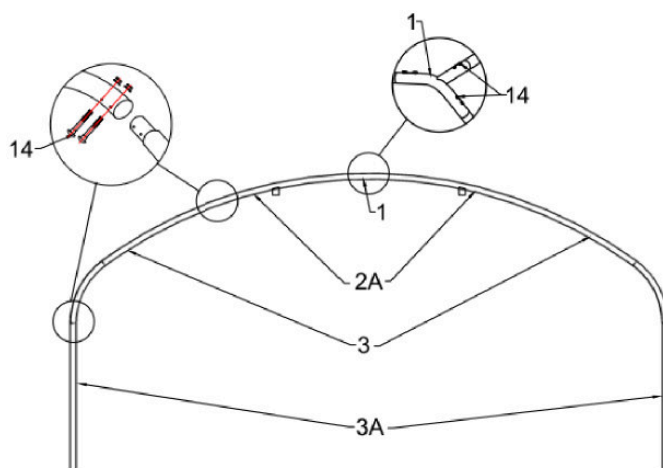


Fig. 3 – First (end) arch

Prepare 1 pc roof arch tube – three-way (No. 1), 2 pcs side wall arch tubes (No. 2A), 2 pcs shoulder arch tubes (No. 3) and 2 pcs vertical support legs (No. 3A). Connect them with M8 × 80 carriage bolts (No. 14) to assemble the first arch.

2

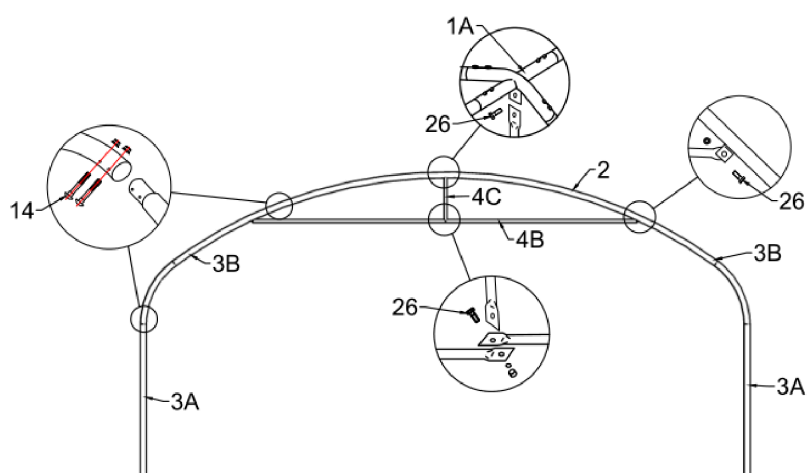


Fig. 4 – Middle arch

Prepare 1 pc roof arch tube – four-way (No. 1A), 2 pcs side wall arch tubes (No. 2), 2 pcs shoulder arch tubes with steel plate (No. 3B) and 2 pcs vertical support legs (No. 3A). Connect them with M8 × 80 bolts (No. 14) to assemble the second arch. There are three middle arches, fitted in the same way.

3

Prepare 1 pc roof arch tube – three-way (No. 1), 2 pcs side wall arch tubes (No. 2A), 2 pcs shoulder arch tubes (No. 3) and 2 pcs vertical support legs (No. 3A). Connect them with M8 × 80 bolts (No. 14) to assemble the last arch.

4

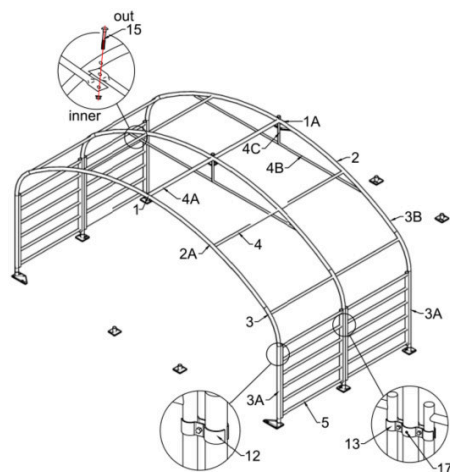


Fig. 5 - Longitudinal beams and side railing

Connect the first two arches with the longitudinal beams (No. 4) and the side railing (No. 5) using M10 × 90 carriage bolts (No. 15). Fit the upper cross tube (No. 4B) and the upper hangers (No. 4C) to the upper arch tube with M10 × 90 bolts (No. 15).

5

Fix the railing (No. 5) to the arches with double tube clamps (No. 13); use M10 × 30 bolts for the connection.

6

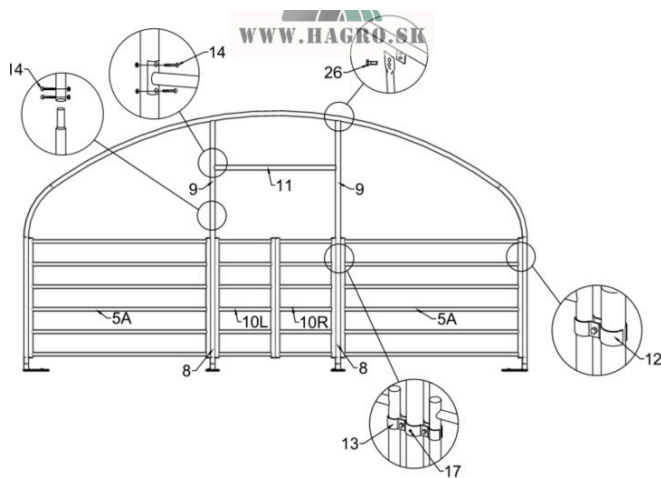


Fig. 6 - Front wall

Fit the front and rear walls according to Fig. 6 to 8. Front wall: connect the lower (No. 8) and upper vertical legs (No. 9) with bolts No. 14, fit the door beam (No. 11), railing (No. 5A) and doors (No. 10L and 10R). Fix the railing with clamps No. 12 and 13 and self-tapping screws No. 17.

REAR COVER

1

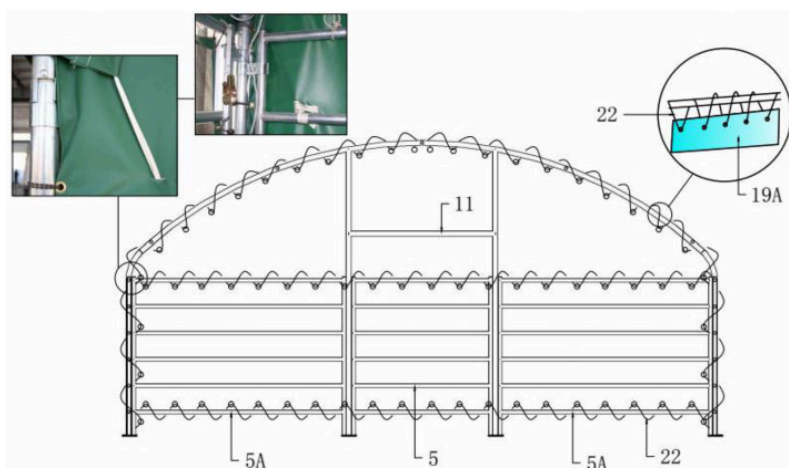


Fig. 7 - Fixing the rear cover with rope

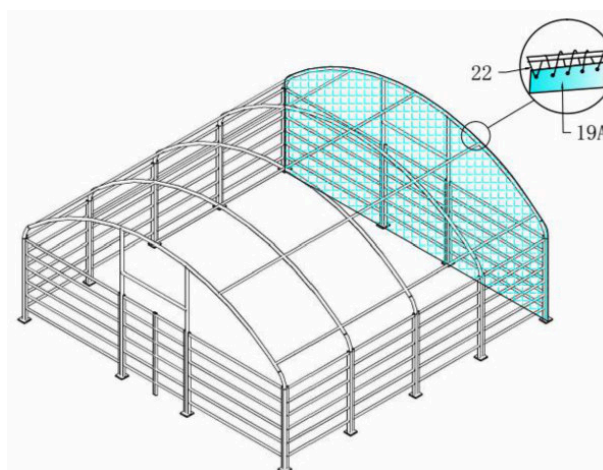


Fig. 8 - Fitted rear cover

Tie the rear cover (No. 19A) with rope (No. 22) to the arch and the rear wall frame according to Fig. 7 and 8.

ROOF COVER AND SIDE SHADE NET

1

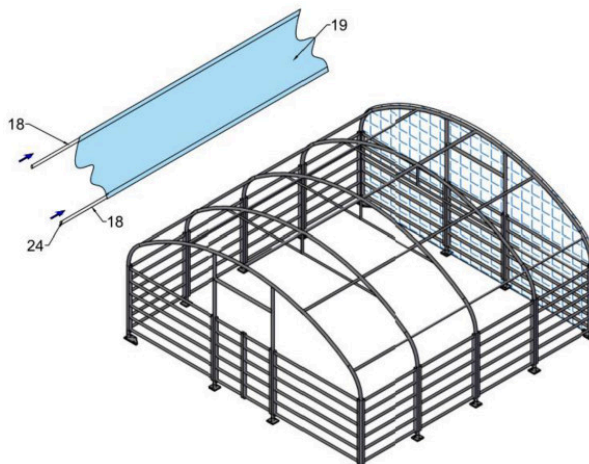


Fig. 9 – Tensioning tubes in the roof cover

Insert the lower tensioning tubes (No. 18) into the pockets on the edges of the roof cover (No. 19).

2

Fit plastic end caps Ø 25 mm (No. 24) on the ends of the tensioning tubes (No. 18) to prevent scratches and water ingress.

3

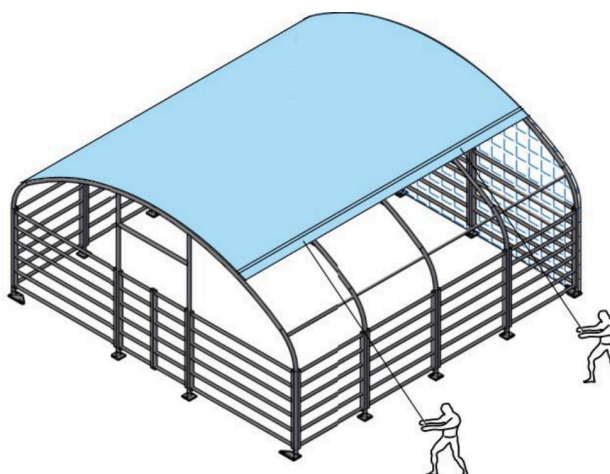


Fig. 10 – Pulling the roof cover over

Ask several people to throw the ropes from one side of the structure to the other and use the ropes to pull the cover over the frame.

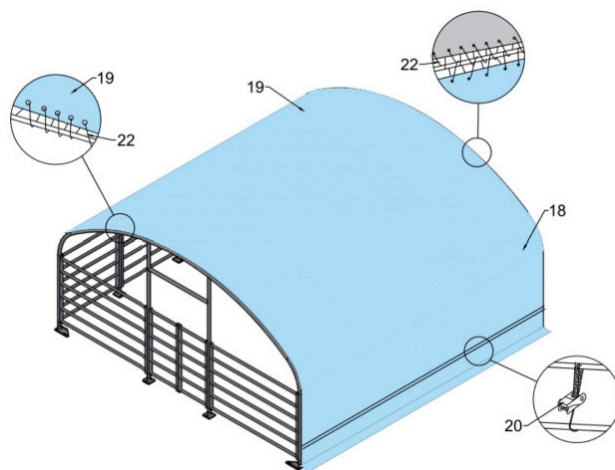


Fig. 11 – Roof cover attached with rope and tensioned with ratchets (No. 20)

Lace rope (No. 22) through the eyelets on the roof cover and connect it to the steel frame.



CAUTION

Pull the cover over the frame evenly, carefully and slowly. Do not install it in strong wind.

SIDE SHADE NET AND COVER TENSIONING

1. Fit the side shade net using ropes (No. 22).
2. After adjusting and aligning the roof cover, cut open some of the pockets so that the tensioning tube (No. 18) can protrude.
3. Use the ratchets with strap (No. 20) to attach the tensioning tubes to the railing, tensioning the roof cover sufficiently.
4. There are straps at both ends of the roof cover – tighten them so that the cover fits firmly against the frame, and fix the strap ends to the frame.
5. Fit plastic end caps Ø 40 mm (No. 25) on the ends of the railing (No. 5) to prevent scratches and water ingress.

Assembly is complete. Keep these instructions for future reference.



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Contact us with any questions about assembly.