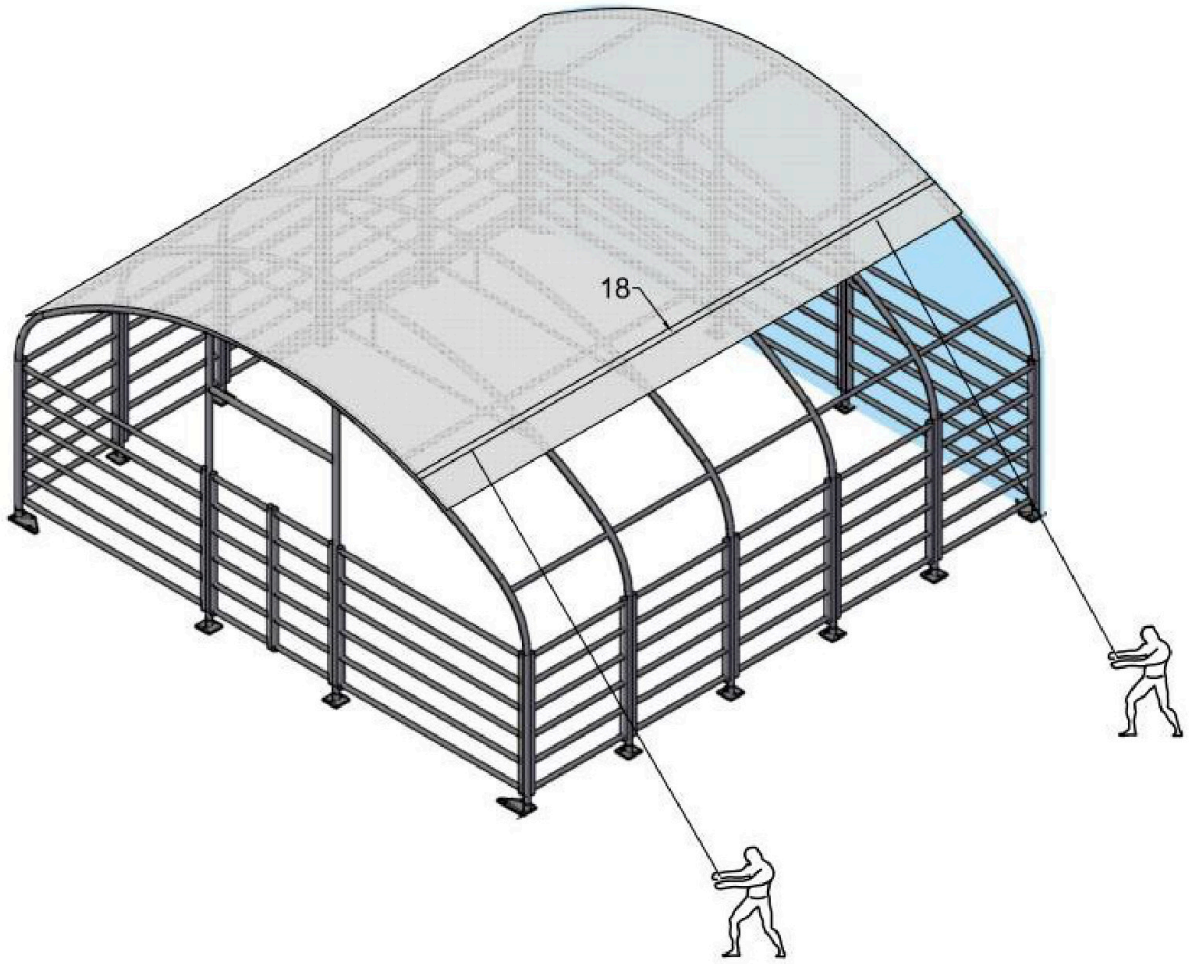


Farm animal shelter 8 × 10 m

Animal shelter · dimensions 8 × 10 m · arch spacing 2 m

Animal shelter 8 × 10 m

8 × 10 m

BEFORE ASSEMBLY

TECHNICAL DATA

WIDTH	LENGTH	ARCH SPACING
8 m	10 m	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 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 stiffer 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 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 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 base plates 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. When using the shelter, ensure sufficient ventilation for exhaust gases and other hazardous fumes.

CHECK THE DELIVERY

PARTS LIST

NO.	Part name	Pcs
1	Upper arch tube – three-way (end arches)	2
1A	Upper arch tube – four-way (middle arches)	4
2	Side arch tube	8
2A	Side arch tube for front and rear door	4
3	Shoulder arch tube	4
3A	Vertical leg	12
3B	Shoulder arch tube with bracket (middle arches)	8
4	Longitudinal tube (purlin)	20
4A	Upper longitudinal tube	5
4B	Upper crossbar	8
4C	Upper hanger rod	4
5	Railing for side walls and centre of rear wall	22
5A	Railing for side sections of front and rear wall	8
6	Base plate – middle	8
6L	Base plate – left corner	2
6R	Base plate – right corner	2
7	Base plate for front and rear door	4
8	Lower vertical leg for front and rear door	4
9	Upper vertical leg for front and rear door	4
10L	Left door	1
10R	Right door	1
11	Front and rear door crossbar	2
12	Single tube clamp with bolt 10 × 30	24
13	Double tube clamp with bolt 10 × 30	36
16	Clip	4
18	Lower roof cover tensioning tube	2 sets
19	Roof cover	1
19A	Rear cover	1
20	Ratchet	12

NO.	Part name	Pcs
22	Rope	1
23	Anchor stake	44
-	Accessory pack	1
14	Carriage bolt M8 × 80	132
15	Carriage bolt M10 × 90	32
17	Self-tapping screw	60
20A	Tensioning strap	12
24	End cap	4
25	End plug	34
26	Bolt M10 × 30	20

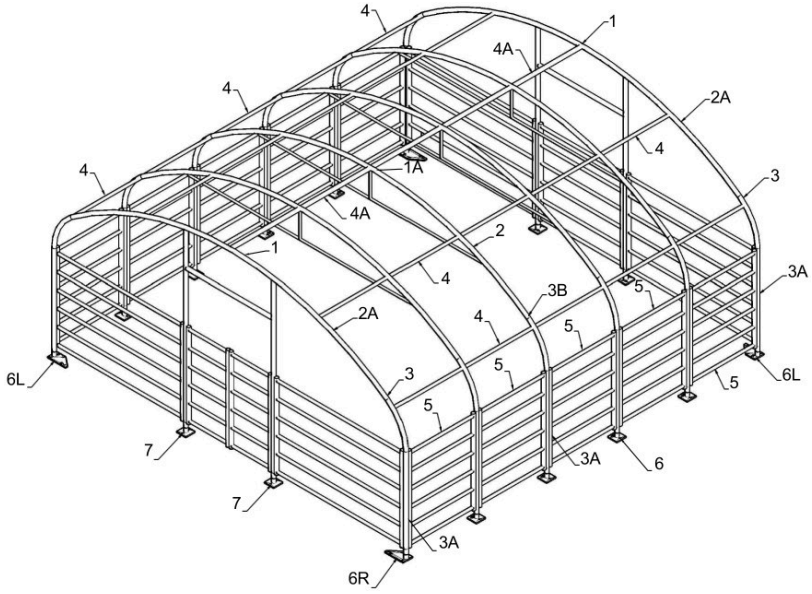


Fig. 1 – General structure drawing with part numbers

ASSEMBLY · PART A

INSTALLING THE FOUNDATIONS

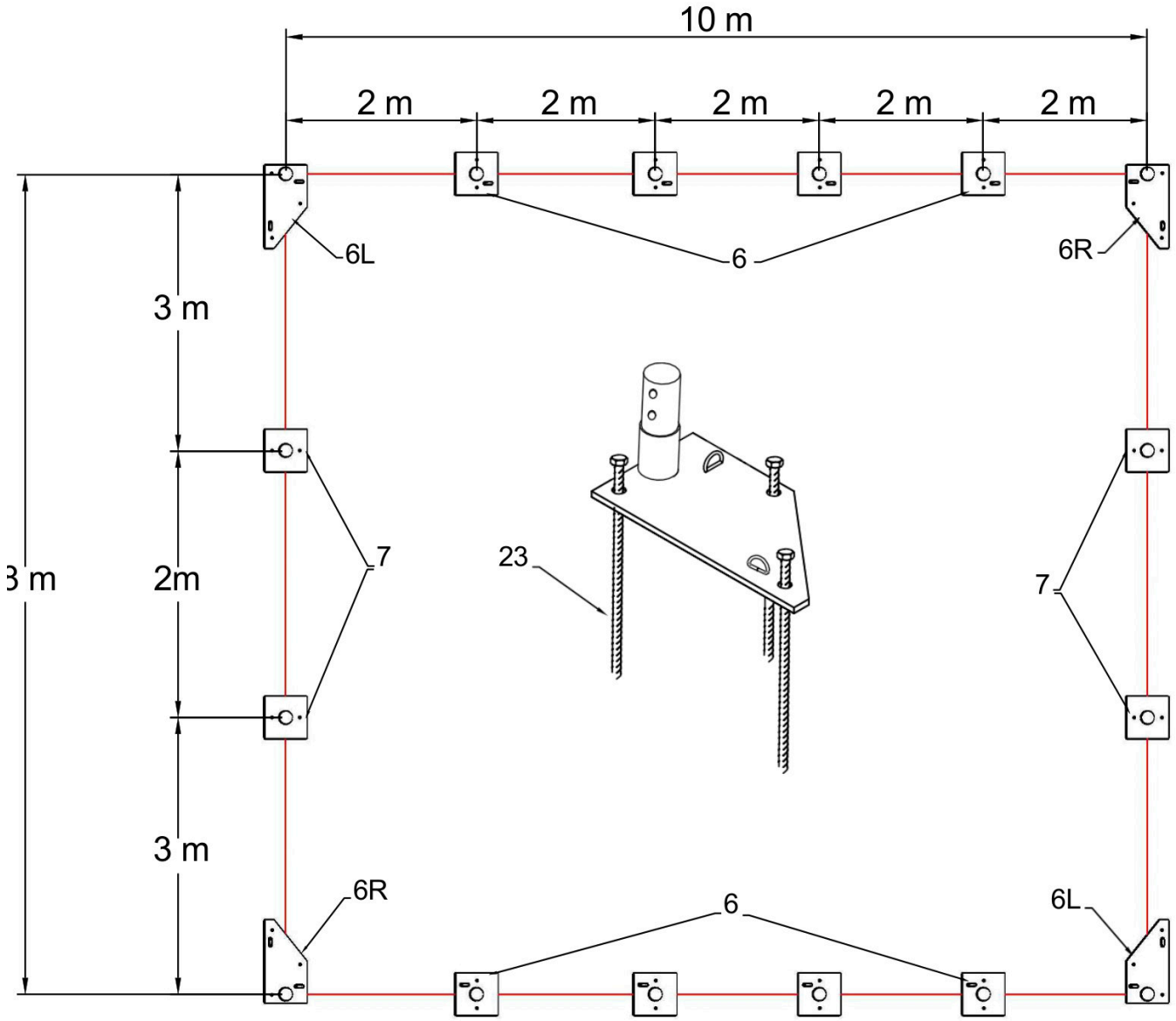


Fig. 2 – Base plate layout (dimensions in m)

1 Lay out the base plates according to Fig. 2: left and right corner plates No. 6L and 6R in the corners, middle plates No. 6 on the sides at 2 m spacing (4 pcs on each side) and door base plates No. 7 at the front and rear (spacing 3 m – 2 m – 3 m).

2 Anchor the base plates with anchor stakes No. 23 pushed through the holes in the plates (detail in Fig. 2).

ASSEMBLY · PART B

ASSEMBLING THE ARCHES AND FRAME

1

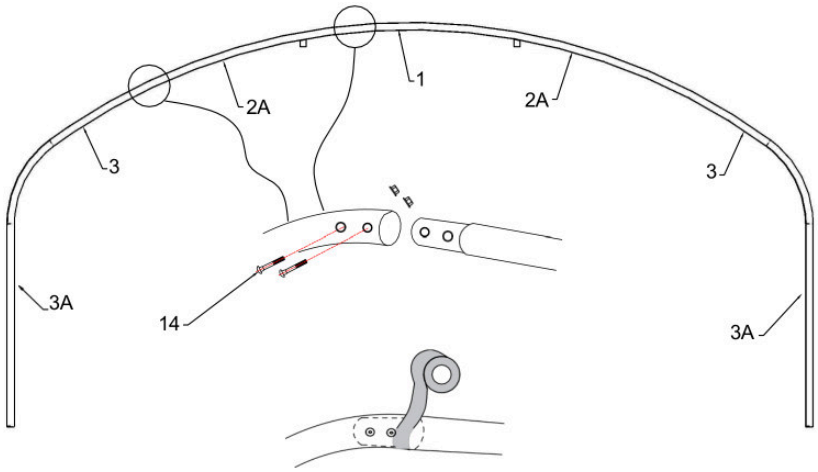


Fig. 3 – End arch

Assemble the end arches (front and rear) from the tubes in the order 3A – 3 – 2A – 1 – 2A – 3 – 3A. Secure the joints with carriage bolts No. 14.

2

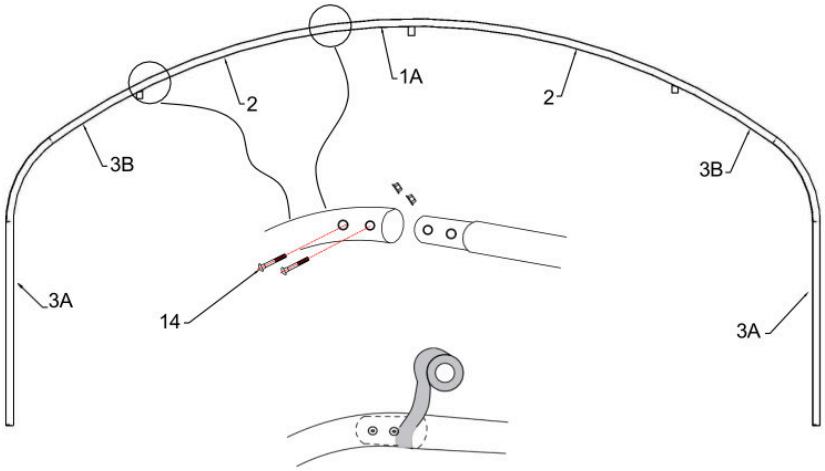


Fig. 4 – Middle arch

Assemble the middle arches from the tubes in the order 3A – 3B – 2 – 1A – 2 – 3B – 3A. Secure the joints with carriage bolts No. 14.

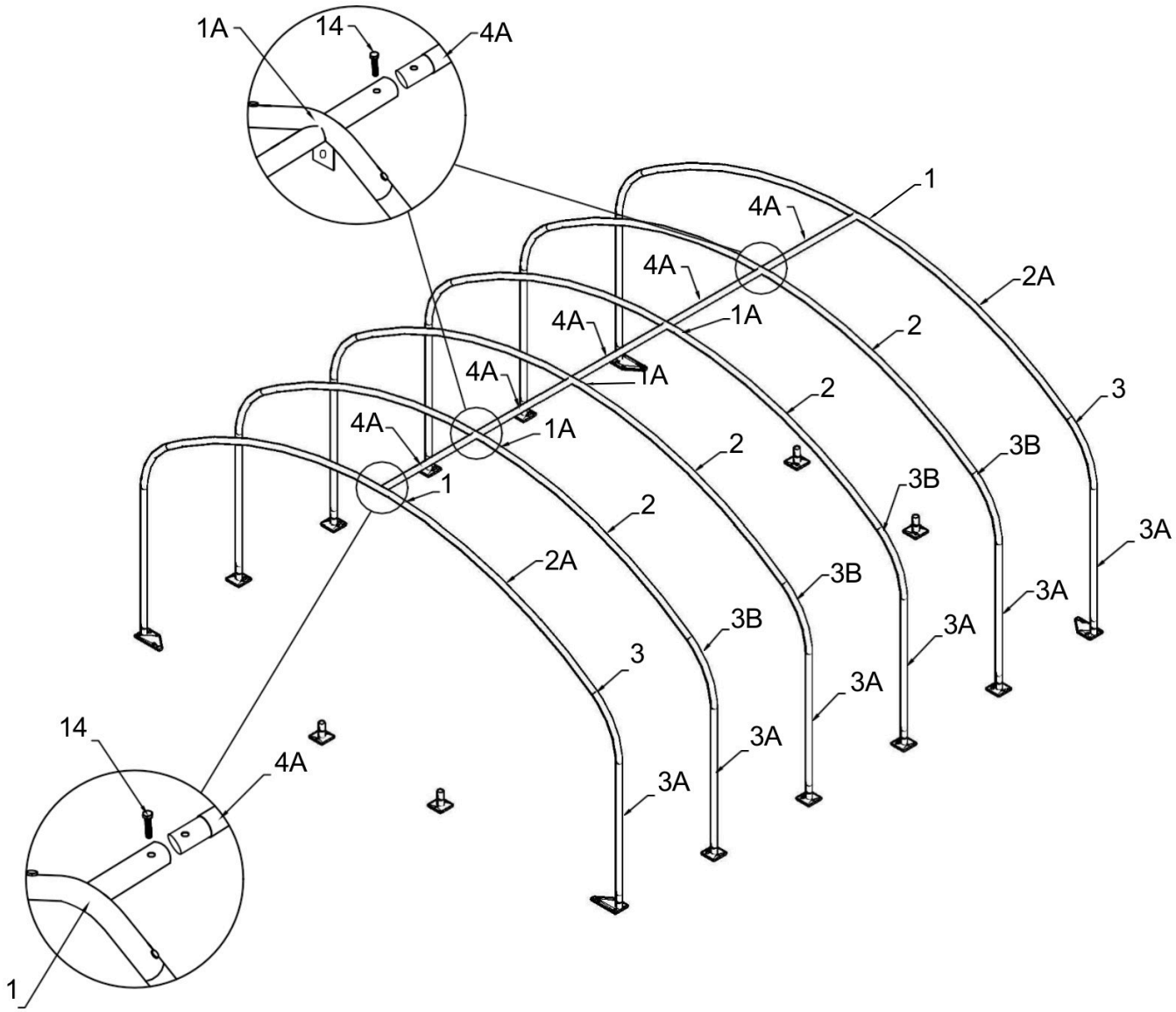


Fig. 5 – Erected arches and upper longitudinal tubes

3

Stand the arches on the base plates – end arches on corner plates No. 6L/6R, middle arches on plates No. 6. Connect them at the ridge with the upper longitudinal tubes No. 4A, fixed to the upper arch tubes No. 1 and 1A with bolts No. 14.

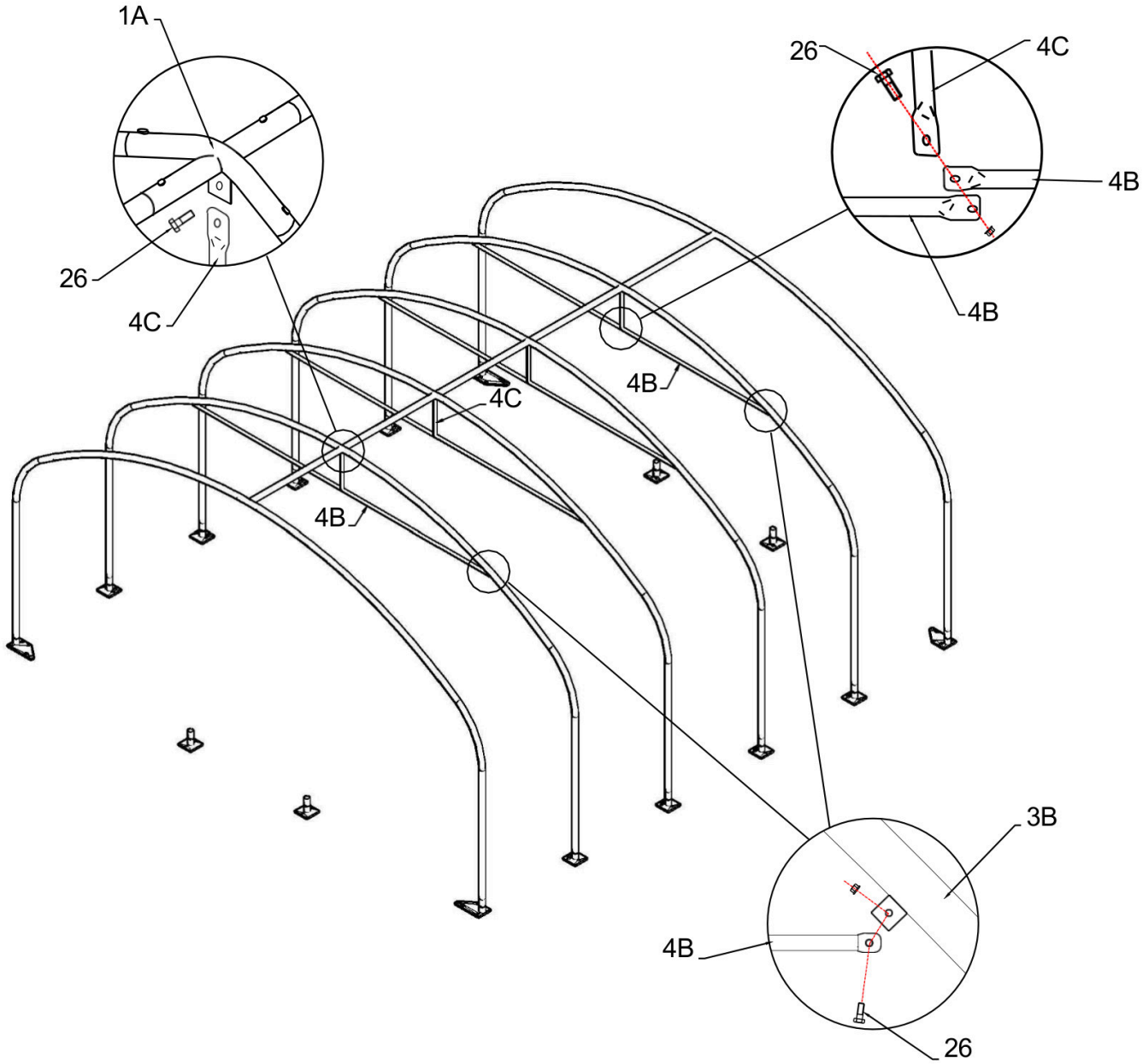


Fig. 6 – Upper crossbars and hanger rods

4

Fit the upper hanger rods No. 4C and the upper crossbars No. 4B. Fix the hanger rods to the upper arch tubes No. 1A, the crossbars to the shoulder tubes No. 3B and to the hanger rods No. 4C – all with bolts No. 26.

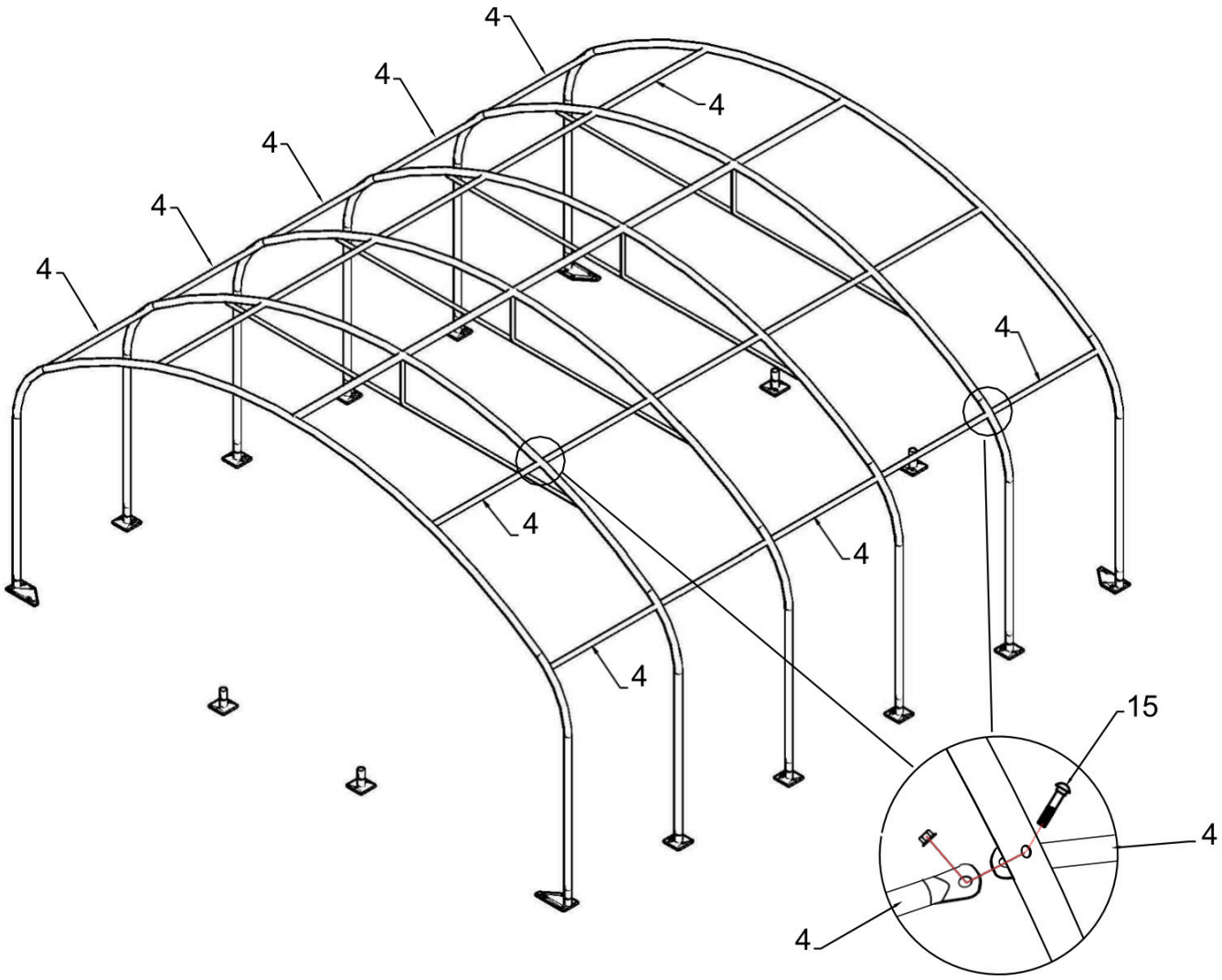


Fig. 7 – Longitudinal tubes (purlins)

5 Fit the longitudinal tubes (purlins) No. 4 between the arches and fix them with bolts No. 15.

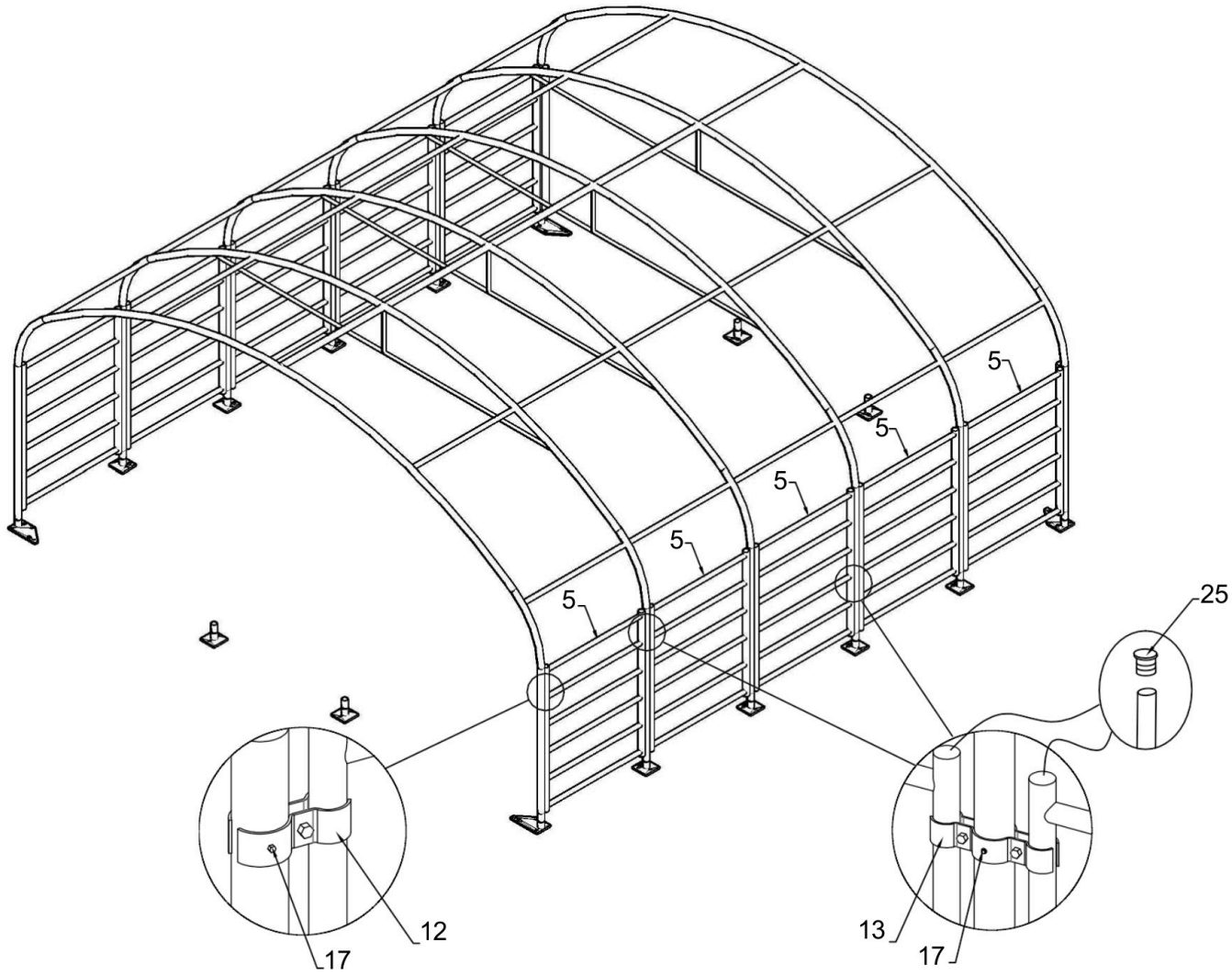


Fig. 8 – Side wall railings

6

Fit the railings No. 5 on the side walls. Fix them to the vertical legs with single clamps No. 12 (at the end arches) and double clamps No. 13 (between two railings) and secure with self-tapping screws No. 17. Insert end plugs No. 25 into the ends of the railing posts.

ASSEMBLY · PART C

FRONT AND REAR WALL

1

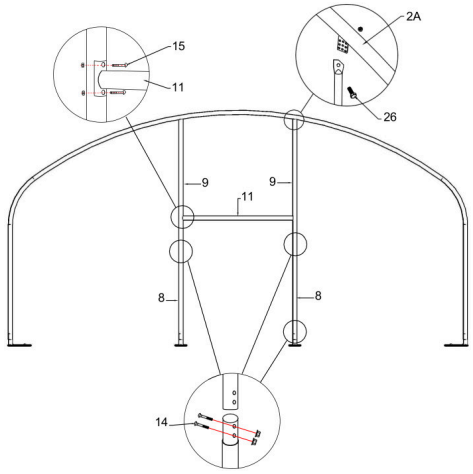


Fig. 9 – Door frame on the end arch

Assemble the door frame on the front and rear arch: fit the lower vertical legs No. 8 into base plates No. 7 and connect them to the upper vertical legs No. 9 with bolts No. 14. Fix the upper ends of the legs to the arch (side arch tube No. 2A) with bolts No. 26. Fit the crossbar No. 11 between the legs with bolts No. 15.

2

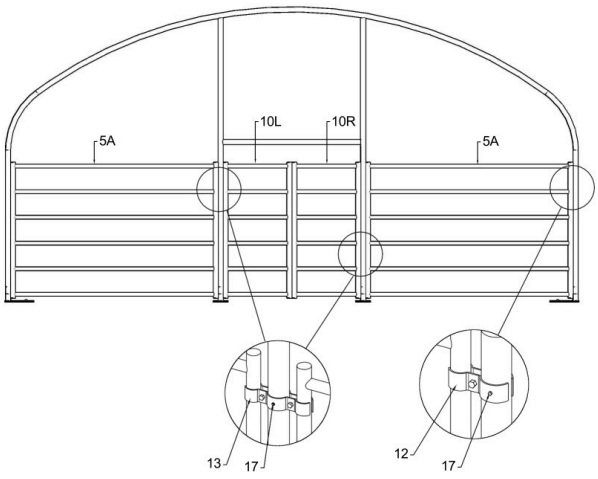


Fig. 10 – Front wall with door

Front wall: fit the left and right doors No. 10L and 10R into the door frame, with railings No. 5A on either side. Fix them with double clamps No. 13 and single clamps No. 12 and secure with self-tapping screws No. 17.

3

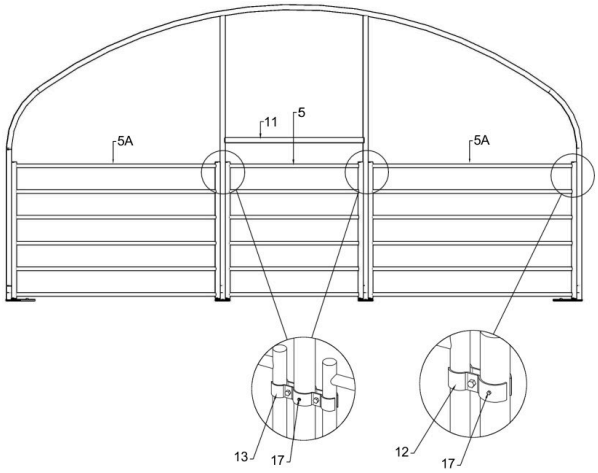


Fig. 11 – Rear wall

Rear wall: fit railing No. 5 between the frame legs, with railings No. 5A on either side. Fix them with double clamps No. 13 and single clamps No. 12 and secure with self-tapping screws No. 17.

4

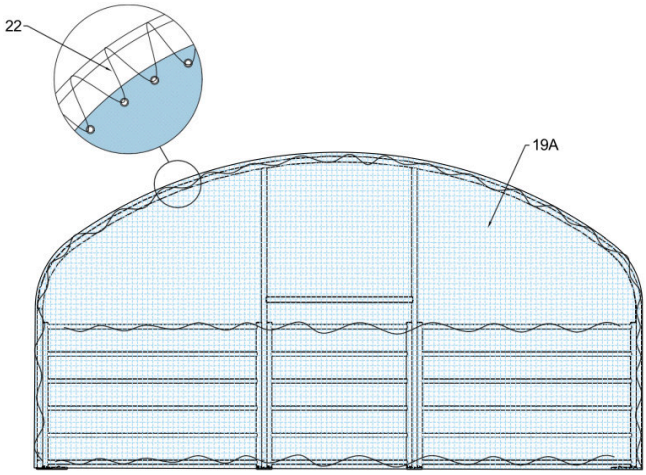


Fig. 12 – Rear cover

Tie the rear cover No. 19A to the arch and the railings with rope No. 22 passed through the cover eyelets.

ASSEMBLY · PART D

INSTALLING THE ROOF COVER

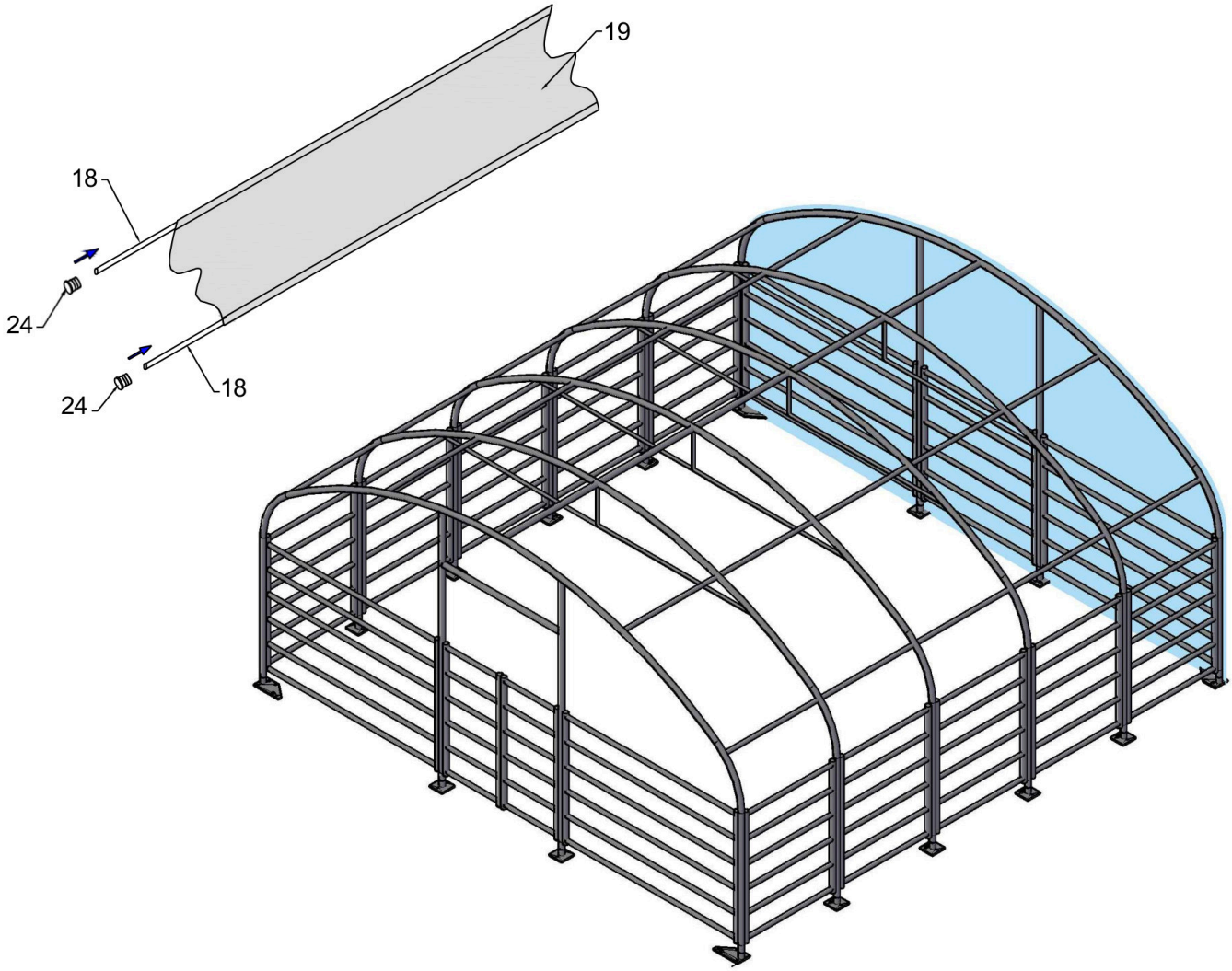


Fig. 13 – Tensioning tubes in the roof cover

1 Insert the lower tensioning tubes No. 18 into the pockets on the edges of the roof cover No. 19 and close their ends with end caps No. 24.

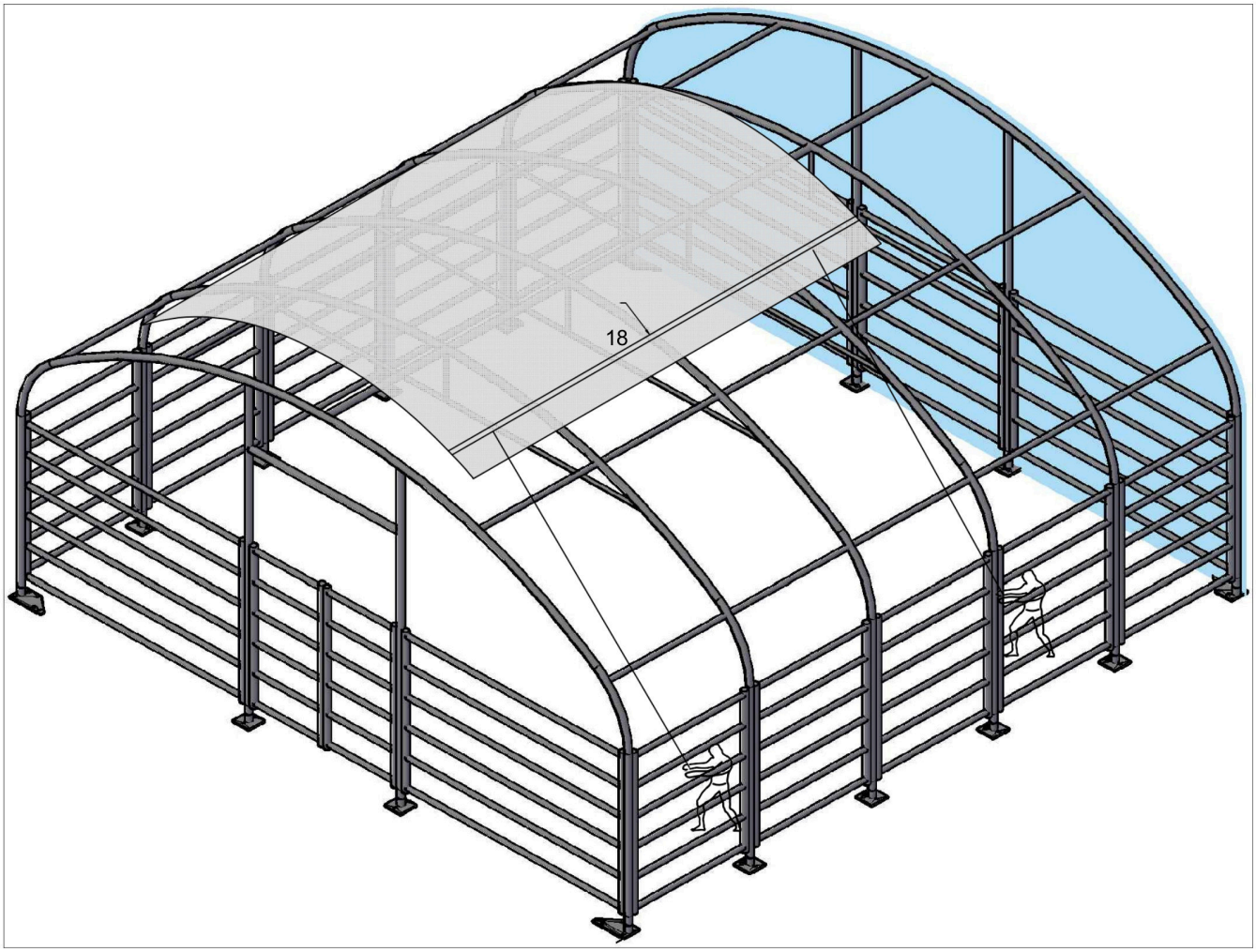


Fig. 14 – Pulling the roof cover over

2 Pull the roof cover over the arch structure using ropes.

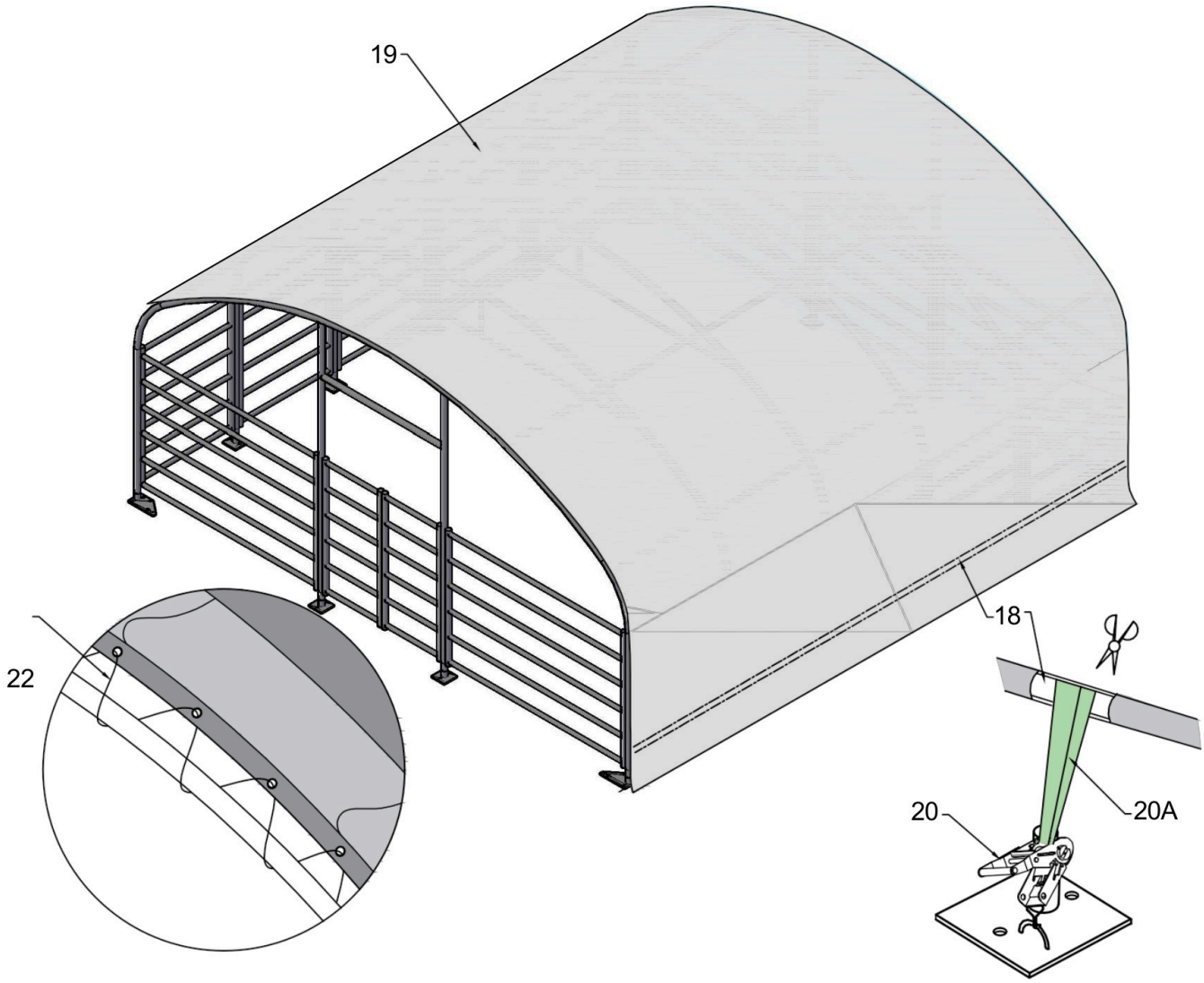


Fig. 15 – Fixing and tensioning the roof cover

3

Tie the cover at the end walls with rope No. 22 through the eyelets to the arches. Cut an opening in the cover pocket at the strap position (scissors symbol in Fig. 15), wrap tensioning strap No. 20A around tensioning tube No. 18 and tighten it with ratchet No. 20 fixed to the base plate – this tensions the cover.

HAGRO ORAVA s.r.o.
hagroshelters.com · hagro@hagro.sk
Contact us with any questions about assembly.