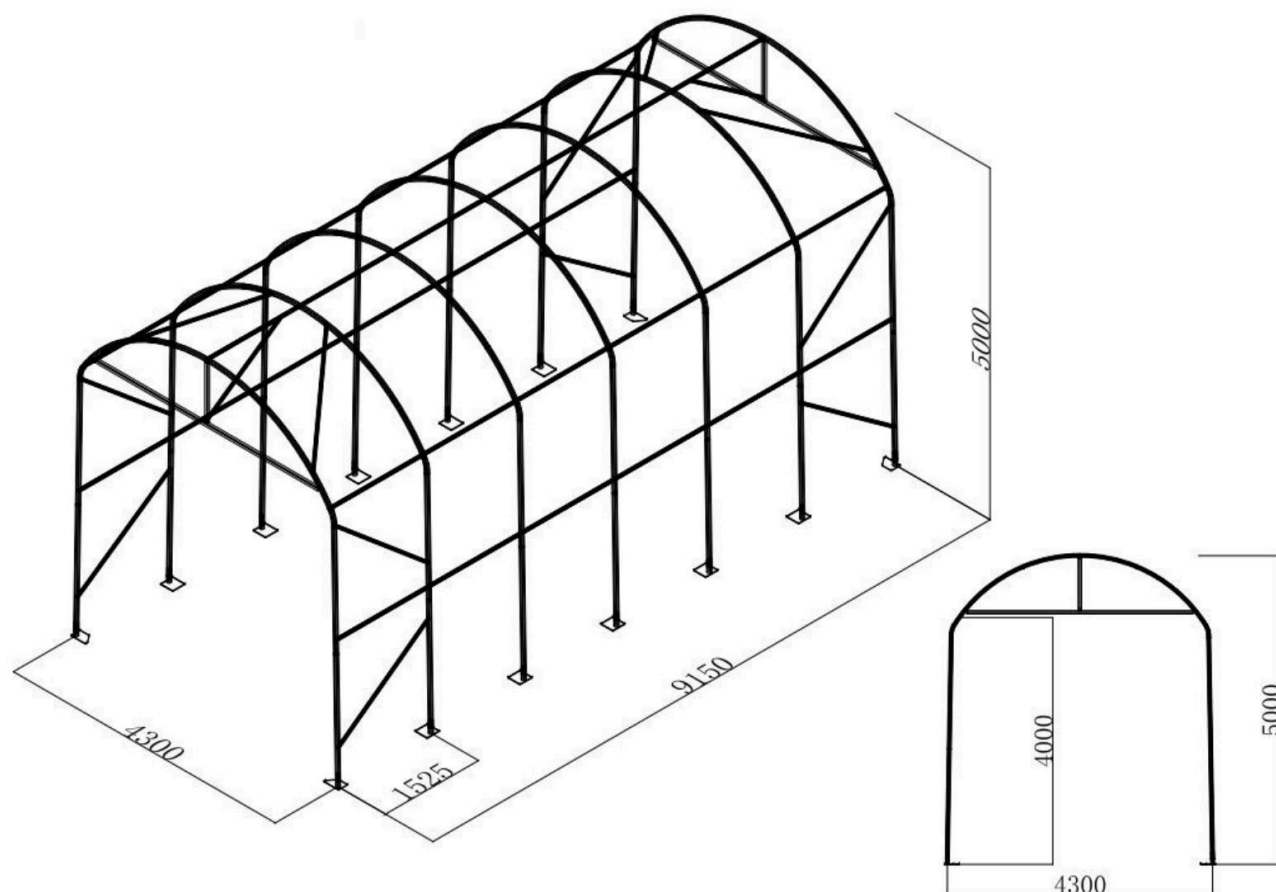




Caravan garage, height 5 m

Model 143016R · 4.3 × 9.15 × 5 m

143016R

4.3 × 9.15 × 5 m

BEFORE ASSEMBLY

TECHNICAL DATA

MODEL 143016R	WIDTH 4.3 m	LENGTH 9.15 m
HEIGHT 5 m	SIDE WALL HEIGHT 4 000 mm	ARCHES 7 pcs · Ø 60 × 1.5 mm
ARCH SPACING 1 525 mm	LONGITUDINAL PURLINS 5 rows · Ø 40 × 1.5 mm	

**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 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 retensioned before the next winter.
- The owner must remove snow from the roof immediately if it does not slide off by itself.

SAFETY DURING ASSEMBLY

1. Keep the work area clean. Clutter in the work area can cause injury. Do not install the shelter near snowdrifts, in slippery or damp places or in strong wind.
2. Children must be kept away from the work area.
3. Do not lean out. Always keep proper balance and a stable stance.
4. Do not assemble under the influence of alcohol, drugs or medication that may affect judgement or reflexes (read the warnings on the medication). If in any doubt, do not assemble.
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 when working with electrical and heat 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. Do not trap your fingers between the clips and tubes during assembly. During use, ensure sufficient ventilation to remove exhaust gases and other hazardous fumes.

TOOLS AND EQUIPMENT

Measuring tape

Alignment string

Ladder

Welder

Hammer

Spanner

Scissors

CHECK THE DELIVERY

PARTS LIST

The parts list gives codes and quantities. The position of individual parts is shown in the drawings in the assembly procedure.

Part code	Quantity	Part code	Quantity
1	7	11	2
2	10	12	2
2A	4	12A	2
3	14	13	42
4	14	14	35
5	30	16	1
6	12	17	1
6A	26	18	2
7A	2	20	112
7B	2	21	1
7L	5	23	8
7R	5	24	2
8	2 sets	25	4
9	2 sets	26	14
10	2	27	14

FOUNDATIONS – BASE PLATE LAYOUT

1

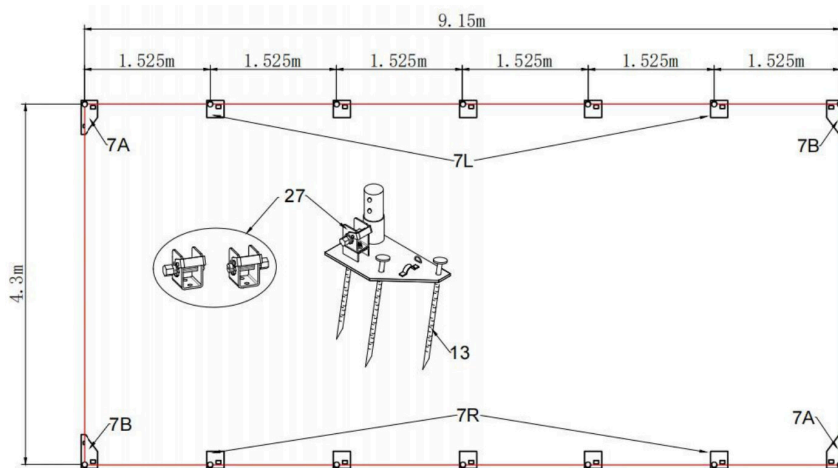


Fig. 1 – Base plate layout and anchoring

Lay out the base plates according to Fig. 1: length 9.15 m, width 4.3 m, base plate spacing 1.525 m. Base plates 7A and 7B are in the corners, base plates 7L and 7R along the long sides. Anchor each base plate with stakes No. 13 and fit part No. 27 on it as shown in the detail.

ARCH FRAME ASSEMBLY

1

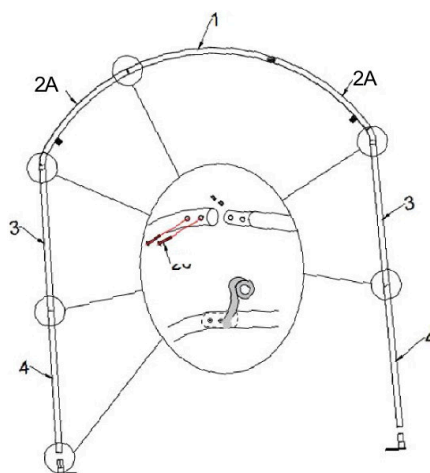


Fig. 2 – End arch (parts 1, 2A, 3, 4)

Assemble two end arches from parts No. 1, 2A, 3 and 4. Connect the parts with bolts No. 20 as shown in the detail (Fig. 2).

2

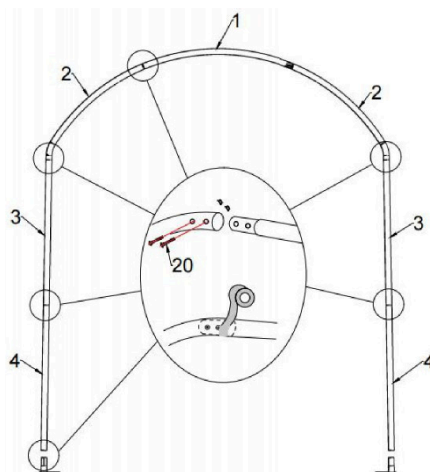


Fig. 3 – Middle arch (parts 1, 2, 3, 4)

Assemble five middle arches from parts No. 1, 2, 3 and 4. Connect the parts with bolts No. 20 (Fig. 3).

3

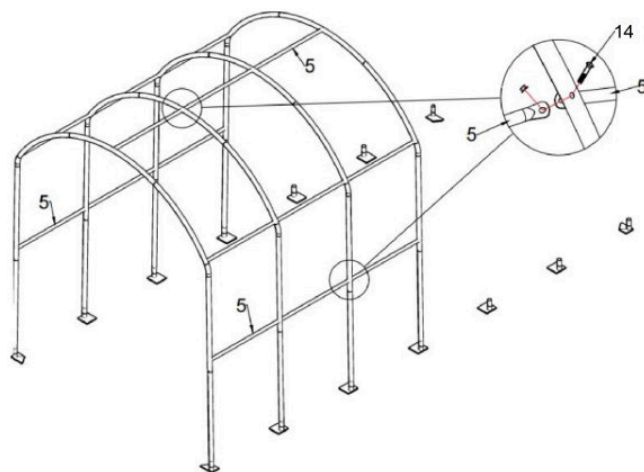


Fig. 4 - Connecting the arches with purlins No. 5

Stand the arches on the base plates and connect them with longitudinal purlins No. 5 using bolts No. 14 (Fig. 4).

4

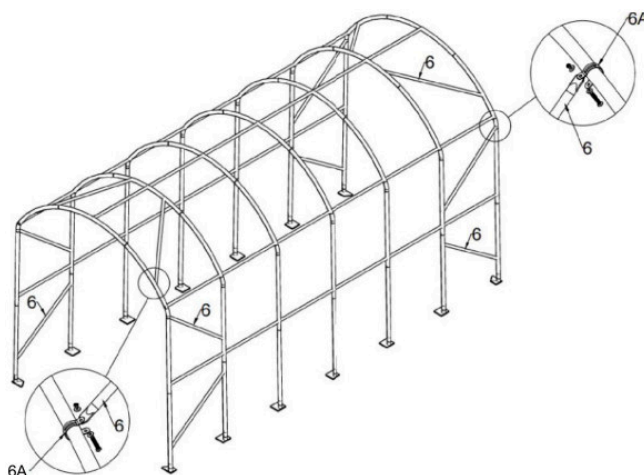


Fig. 5 - Diagonal braces No. 6 with brackets No. 6A

Fit the diagonal braces No. 6 and fix them with brackets No. 6A as shown in the details (Fig. 5).

5

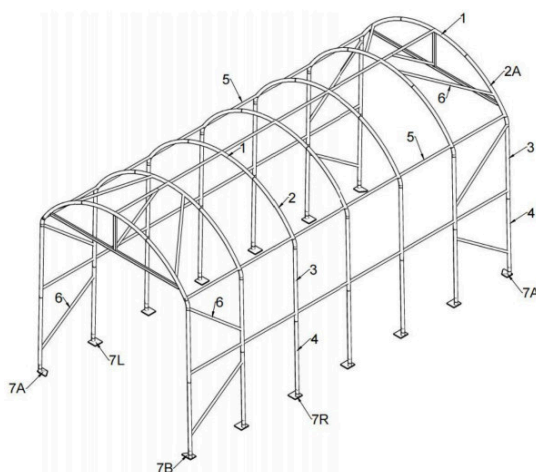


Fig. 6 - Assembled frame

Check the assembled frame and the position of all parts according to Fig. 6.

FRONT AND REAR WALL

1

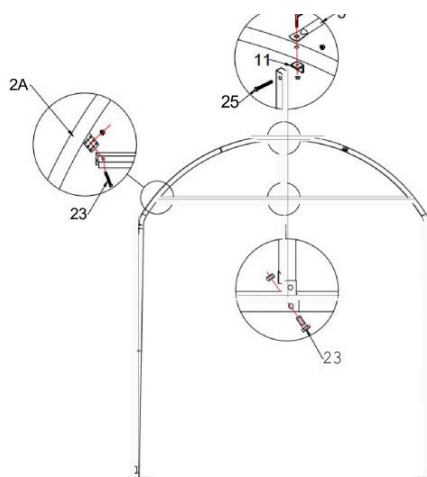


Fig. 7 - Gable tubes and their joints

Fit the horizontal gable tube and the vertical tube No. 11 on the end arch according to Fig. 7. Connect the horizontal tube to the arch (part 2A) and to tube No. 11 with bolts No. 23; connect tube No. 11 at the top to purlin No. 5 with bolts No. 14 and No. 25. Proceed in the same way at the other end wall.

2

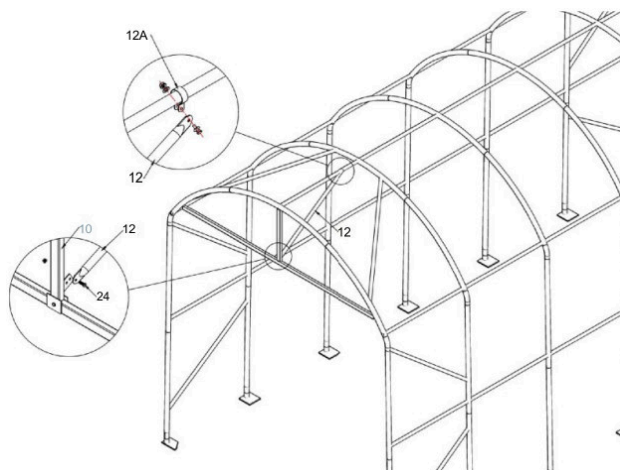


Fig. 8 - Struts No. 12 on the end wall

Fit the struts No. 12: connect them at the top with brackets No. 12A and at the bottom to gable tube No. 10 with bolt No. 24 (Fig. 8).

3

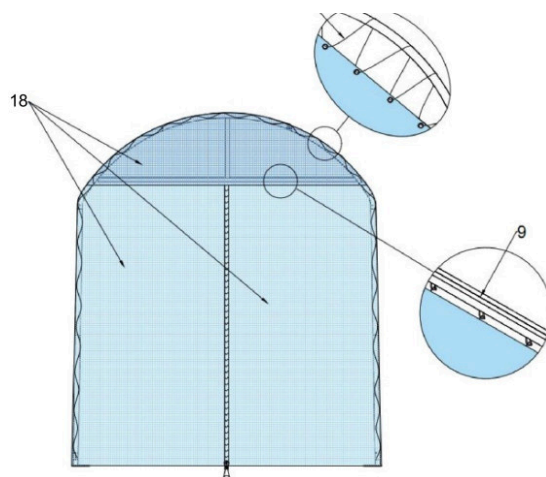


Fig. 9 - End-wall cover No. 18

Fit the covers No. 18 on the end walls. Attach the top edge to the arch with clips No. 21 and fix the cover to the horizontal gable tube with part No. 9 as shown in the details (Fig. 9).

4

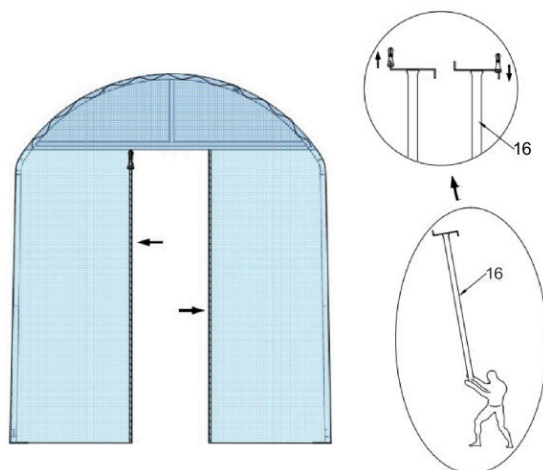


Fig. 10 - Opening the door and rod No. 16

The end-wall cover opens in the middle like a door (arrows in Fig. 10). Use rod No. 16 to handle the upper clips of the door sections of the cover, as shown in the detail.

INSTALLING THE ROOF COVER



CAUTION

UNDER NO CIRCUMSTANCES leave the cover unsecured until the final assembly and tightening are completed. The procedure is fairly simple, but some tension adjustments will be needed to get a smooth, taut roof.

1

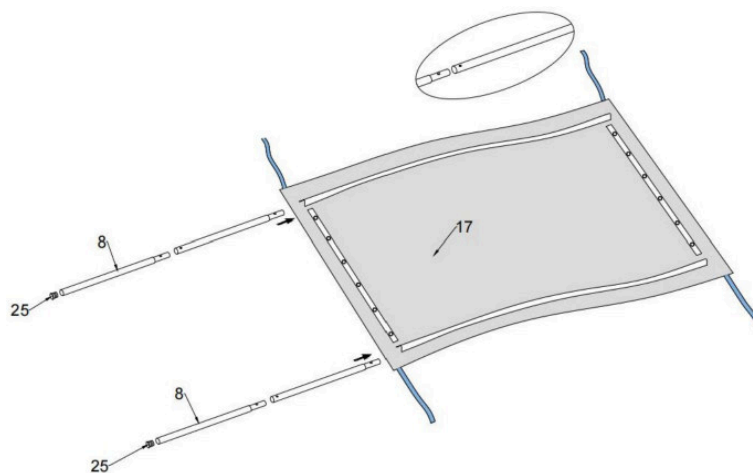


Fig. 11 - Tubes No. 8 in roof cover No. 17

Assemble tubes No. 8 by joining the two parts, insert them into the pockets along the sides of roof cover No. 17 and secure them with parts No. 25 (Fig. 11).

2

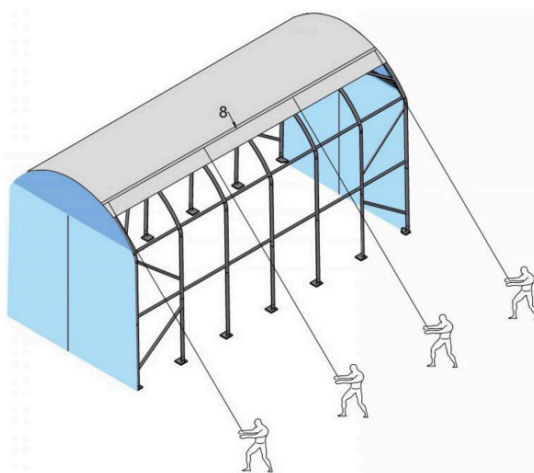


Fig. 12 - Pulling the roof cover over the frame

Pull the roof cover over the frame using ropes – as shown in Fig. 12, several people pull it from the other side of the shelter.

3

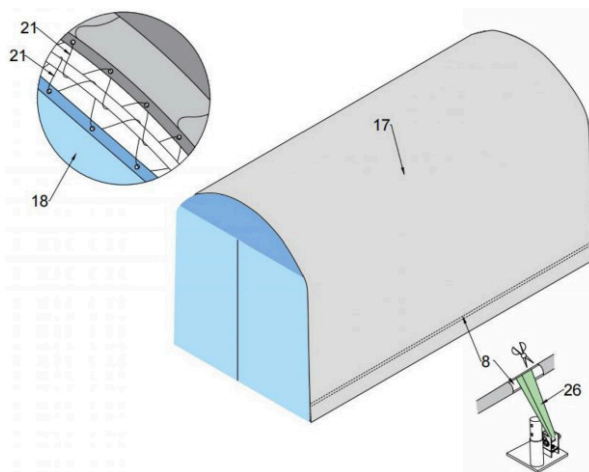


Fig. 13 – Attaching and tensioning the roof cover

At the end walls, attach the edges of roof cover No. 17 with clips No. 21 through end-wall cover No. 18. Fix the lower tube No. 8 to the base plates with tensioning straps No. 26 and tension the cover evenly (Fig. 13).

MAINTENANCE

MAINTENANCE

- Check and retighten the roof cover every month.
- Remove snow from the roof immediately if it does not slide off by itself.
- Check the cover tension before winter – it slackens after warm weather.



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Contact us with any questions about assembly.