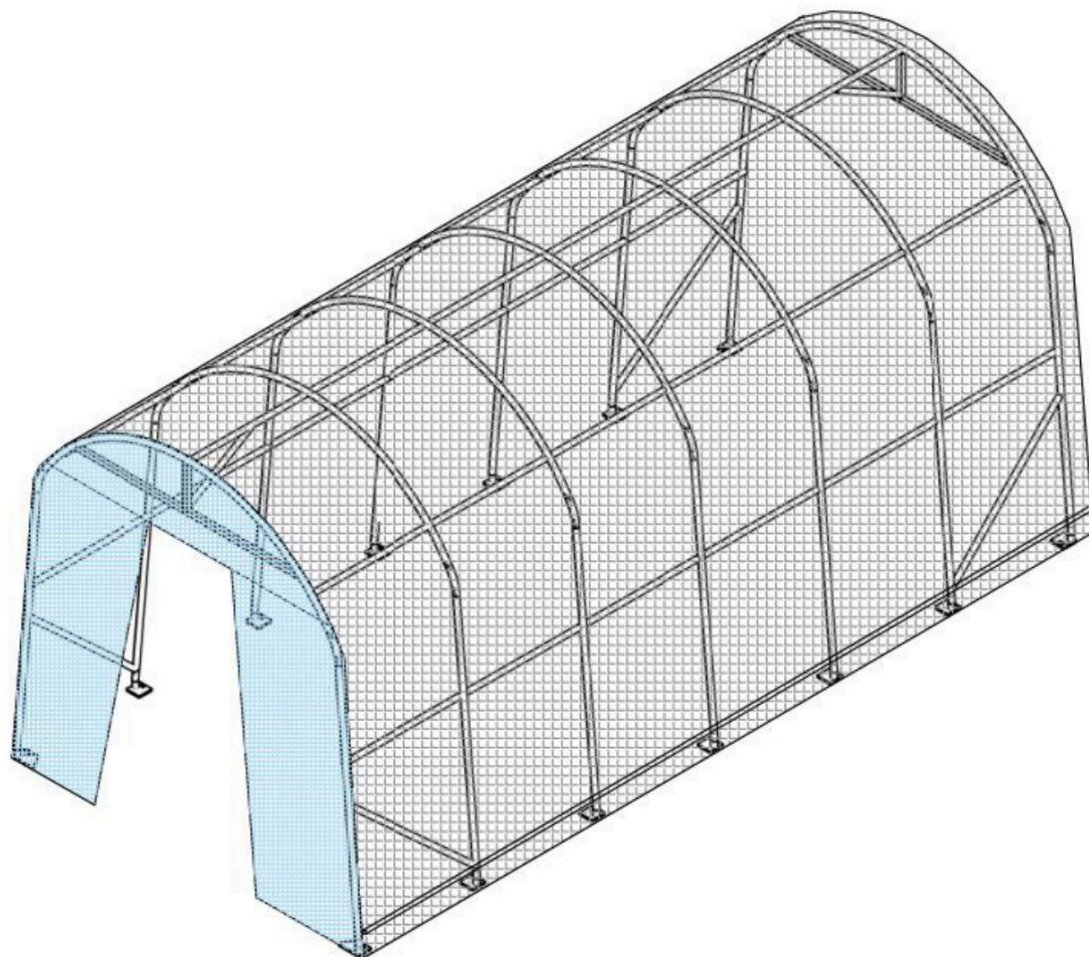




Shelter, width 4.3 m

Model 143014R · arch spacing 1.53 m

143014R

4.3 × 9.18 × 4.3 m

BEFORE ASSEMBLY

TECHNICAL DATA

MODEL

143014R

WIDTH

4.3 m

LENGTH

9.18 m

HEIGHT

4.3 m

ARCH SPACING

1.53 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 shelter foundations 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 fabric 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 shelter, ensure sufficient ventilation for exhaust gases and other hazardous fumes.

**SAFETY ADVICE**

Always use suitable protective equipment, e.g. safety glasses and gloves.

TOOLS AND EQUIPMENT

Measuring tape

Alignment string

Step ladder

Welder

Hammer

Spanner

Scissors

CHECK THE DELIVERY

PARTS LIST

The parts list applies to an arch spacing of 1.53 m.

NO.	Part name	Pcs
● 1	Left roof arch tube	5
● 1A	Left roof arch tube for front and rear end wall	2
● 2	Right roof arch tube	5
● 2A	Right roof arch tube for front and rear end wall	2
● 3	Lower arch tube	14
● 4	Purlin (longitudinal tube)	30
● 5	Diagonal brace tube	4
● 5A	Clip for diagonal brace tube	10
● 6	Corner base plate	4
● 7	Side wall base plate	10
● 8	Lower roof cover tensioning tube	12/2
● 9	Door beam	4/2
● 10	Hanger tube	2
● 11	Steel angle plate	6
● 12	Door support tube	2
● 13	Anchor stake	42
● 16	Door pull tube	1
● 17	Roof cover	1
● 18	Front and rear end-wall cover	2
● 20	Carriage bolt M8 × 70 mm	77 sets
● 21	Rope	1
● 23A	Bolt with nut M10 × 60 mm	6 sets
● 24	Bolt with nut M10 × 30 mm	–
● 24A	Round plastic plug	4
● 26	Nylon winch strap	14

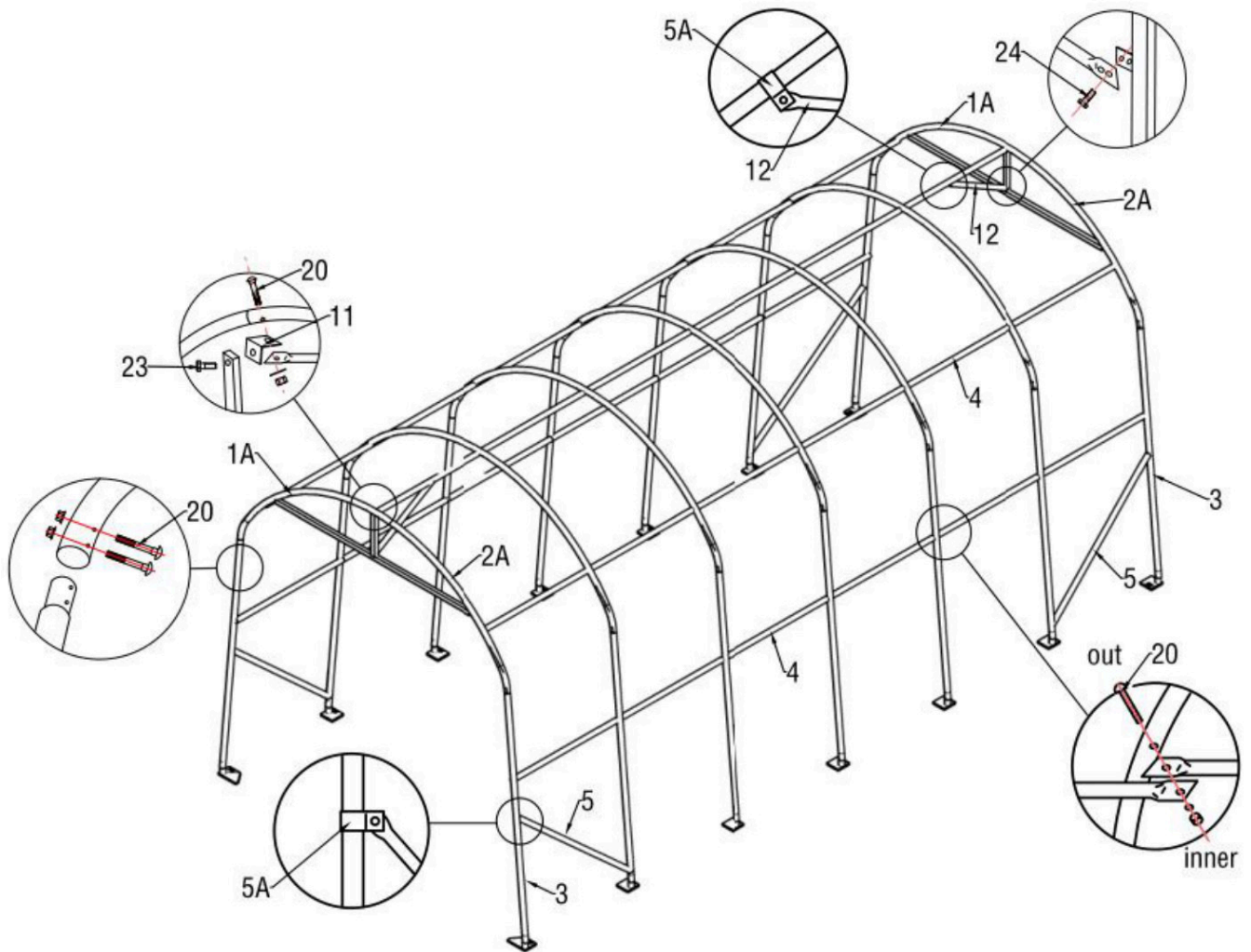


Fig. 1 - General frame drawing with part numbers

INSTALLING THE FOUNDATIONS

When laying out the base plates, follow the diagram in Fig. 2.

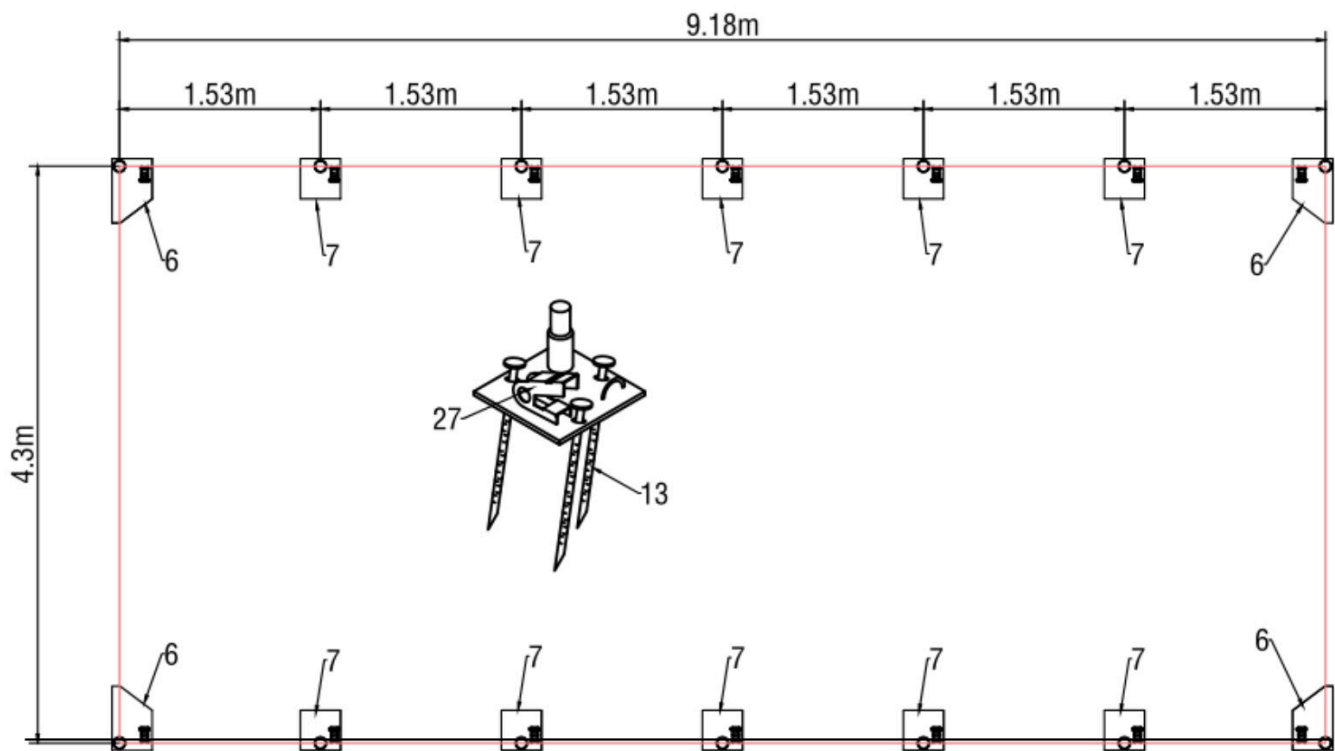


Fig. 2 – Base plate layout

1

Measurements are taken from tube centre to tube centre. Check the position of base plates No. 6 (corners) and No. 7 (side walls) according to Fig. 2.

2

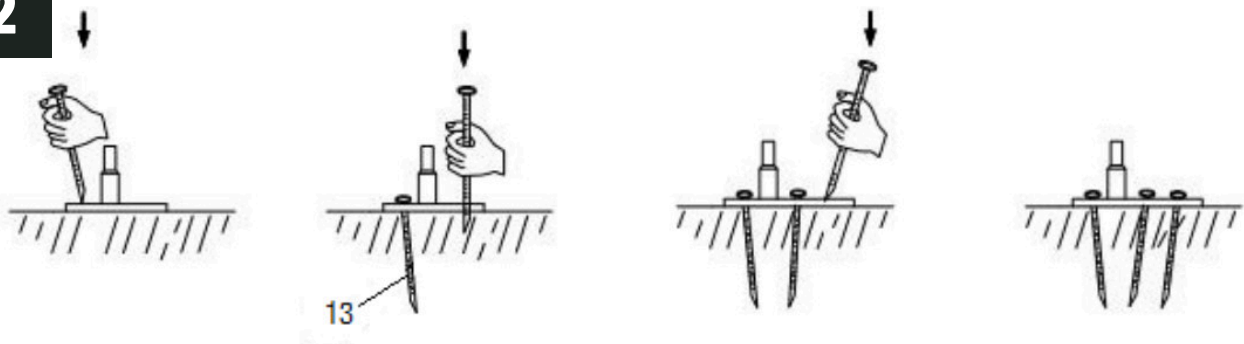


Fig. 3 – Anchoring the base plate with stakes

Base plates No. 6 and 7 have three holes for anchor stakes No. 13. Anchor each base plate with three stakes No. 13 according to Fig. 3 – this secures all base plates.

i

NOTE

The anchor stakes are intended for normal conditions – they are not suitable for rocky or frozen ground or for concrete.

FRAME ASSEMBLY

1

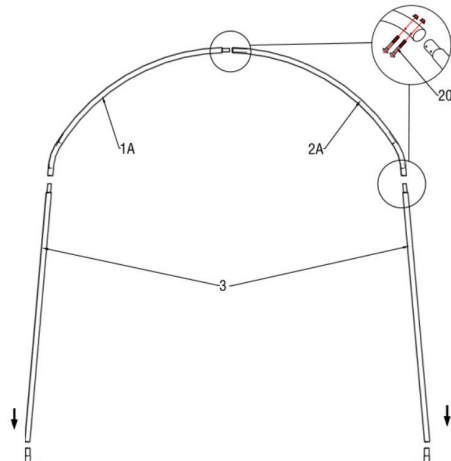


Fig. 4a - End-wall arch (No. 1A, 2A)

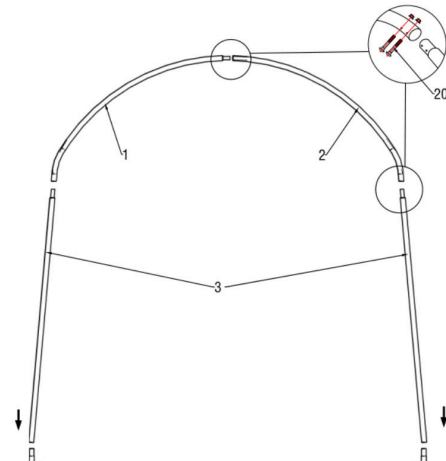


Fig. 4b - Middle arch (No. 1, 2)

According to Fig. 4, assemble the arch: left roof arch tube No. 1, right roof arch tube No. 2 and two lower arch tubes No. 3. Secure the joints with bolts No. 20. Do NOT install a bolt on the top side of the tube where the cover will rest.

2

The roof arch tubes of both end arches (end walls) are different – at the end walls use tubes No. 1A and 2A (Fig. 4a).

3

Lift the assembled arch, fit one end onto a base plate and push the other end of the arch onto the opposite base plate.

4

After fitting the first two arches on the base plates, connect them with purlins No. 4 and M8 × 70 mm bolts (No. 20). Then fit the third arch on the third pair of plates and connect the purlins. Fit all other arches and purlins in this way. Then assemble the front and rear frame from the relevant parts. The brace tubes No. 5 under the roof arch tubes considerably increase the frame strength.

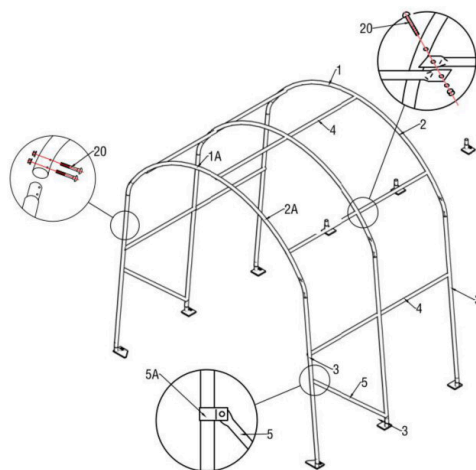


Fig. 5 - Purlins and diagonal braces

Fix the diagonal brace tubes No. 5 with clips No. 5A between the lower arch tubes according to Fig. 5.

FRONT AND REAR WALL

1

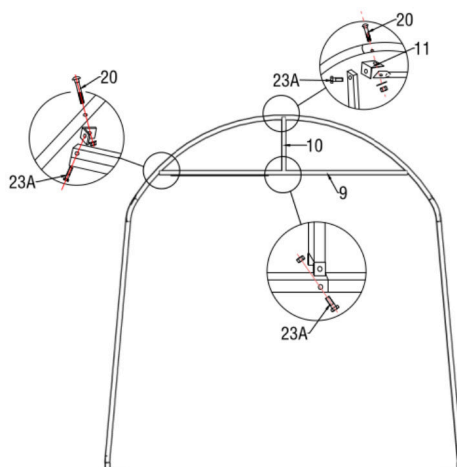


Fig. 6 – Front and rear end-wall frame

After assembling the arches, assemble the front and rear walls according to Fig. 6: connect door beam No. 9 and hanger tube No. 10 to the end-wall arch using angle plates No. 11 and bolts No. 20 and No. 23A.

2

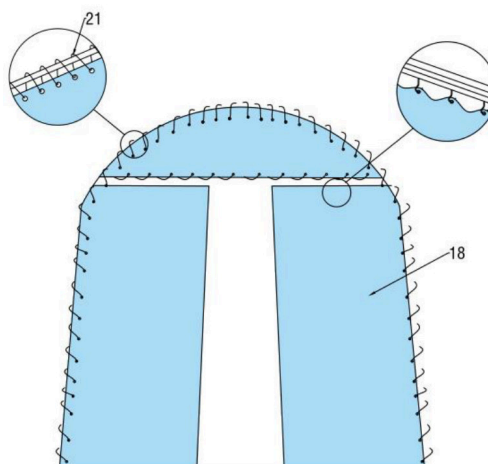


Fig. 7 – Fixing the end-wall cover

Lace the front and rear end-wall covers No. 18 with lacing rope No. 21 – pull the grommets on the cover edge evenly towards the tensioning tubes. The end-wall covers are tied with rope both to the frame and to the end frame (Fig. 7).

INSTALLING THE ROOF COVER



CAUTION

Do NOT install the roof cover on the frame in strong wind. A light breeze is best for installation: pull the cover over the arches so that the breeze blows under the cover and lifts it.

1

Before installing the roof cover, fit the lower tensioning tubes No. 8 into it.

2

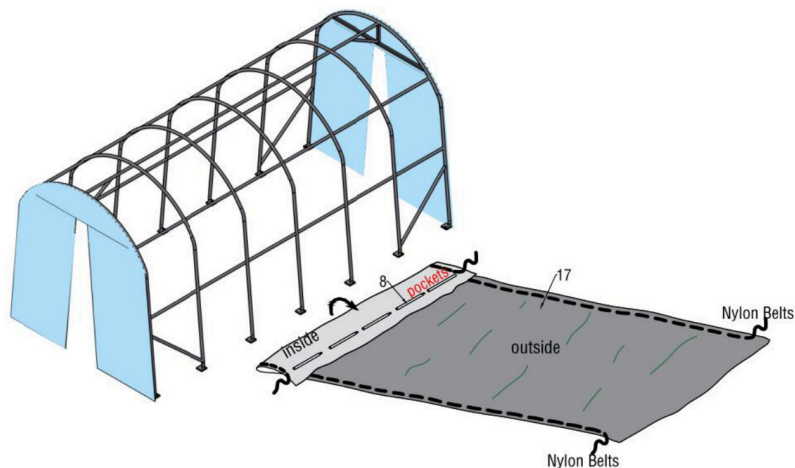


Fig. 8 - Unrolling the roof cover (inside = inner side, outside = outer side, pocket = pocket, nylon belts = nylon straps)

Unroll the roof cover No. 17 on a groundsheet and align it evenly with both ends of the frame. Take care not to pull the end of the roof cover too far.

3

Pull the cover over the frame **EVENLY, CAREFULLY AND SLOWLY**. Insert the tensioning tubes No. 8 into the cover pockets and secure the nylon straps No. 26 loosely in the winches No. 27 – do NOT **TIGHTEN**. Adjust the cover so that it is square and evenly centred on the frame. The end flaps must overhang evenly at both ends.

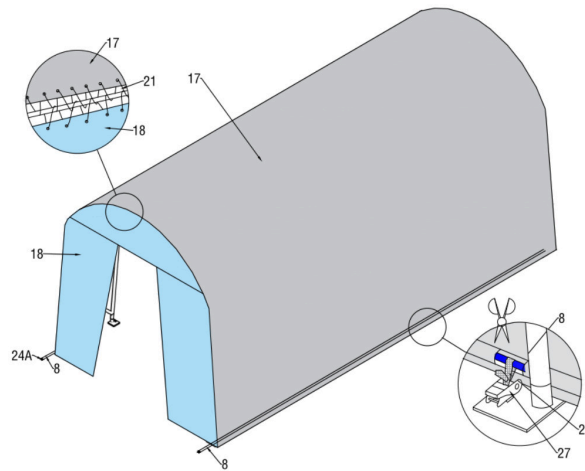


Fig. 9 – Tensioned and fixed roof cover

Tighten the roof cover and the rear and front end-wall covers. Fix the strap at the end of the roof cover, fit the cover snugly against the frame and tie the end of the strap to the clips on the base plates in the four corners.

Assembly is now complete.



CAUTION

Under no circumstances leave the roof cover unattended until the final assembly and tightening are completed.

MAINTENANCE

MAINTENANCE AND USE

- The procedure is fairly simple, but the cover will need to be tightened gradually to get a smooth, taut roof cover.
- Check and retighten the roof cover every month.



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Contact us with any questions about assembly.