INSTALLATION MANUAL

BALTIC LT

arched greenhouse

Galvanised steel frame · multiwall polycarbonate
Sizes 6 m² and 12 m² · 2 m extension module

KLASIKA GREENHOUSES

kiwa CERTIFIED
UAB „Kiwa Inspecta"

CE
EN 1090-1:2009+A1:2011



interbauen

www.interbauen.ee
info@interbauen.ee

General information

The frame of the BALTIC LT greenhouse is made of **1 mm galvanised steel profile**, which makes the greenhouse strong and durable. Thanks to its simple design, the greenhouse is easy to assemble and can be extended with accessories to suit your needs.

The manufacturer reserves the right to make changes and improvements to the product, so the drawings in this manual may differ slightly from the actual product.

Before assembly

Always wear protective gloves when assembling the frame and handling the polycarbonate. The following tools are needed for assembly:

- 8 mm socket wrench or open-ended spanner
- Phillips screwdriver or cordless drill
- spade for digging holes
- spirit level
- string or tape measure for measuring diagonals
- knife for cutting the polycarbonate

Follow local building regulations where applicable. **Keep the door and windows closed in strong winds or storms.**

Read the manual before assembly and familiarise yourself with all parts and profiles. Check the contents of the kit against the parts list and sort the profiles by type.

> **Tip:** first tighten the screws only lightly by hand so that the profiles can still be adjusted if necessary. Once the frame is assembled and levelled, tighten all screws fully.

Parts list

No.	Description	Length, mm	6 m²	12 m²	2 m extension
1	Short arch (top)	1820	3	5	2
2	Side arch (left, right, upper)	1200	6	10	4
3	Lower side post of the arch (left, right)	1235	6	10	4
4	Ground anchor	200	10	14	4
5	Lower side brace, front and rear	925	4	4	–
6	Cross bar connecting the arches	2030	5	10	5
7	Reinforcement profile*	1469	2	6	4
8	Door/window post	2270	4	4	–
9	Side brace, front and rear	900	4	4	–
10	Door/window diagonal brace	985	5	5	–
11	Brace between side arches (bottom)	945	4	8	4
12	Screws M5-12 (countersunk head)		294	354	62
13	Screws M5-40		112	140	26
14	Screws M5-16 (for fixing polycarbonate to the brackets)		10	10	–
15	Nuts M5		416	504	88
16	Transparent washers		120	144	24
17	Handle		3	3	–
18	Mounting bracket for polycarbonate and posts		22	22	–
19	Sealing tape for doors and end sheets, m		16	16	–
Door / window					
Door 1	Door part with hinges	930	3	3	–
Door 2	Door part with handle	930	3	3	–
Door 3	Lower/upper door part (horizontal)	885	9	9	–

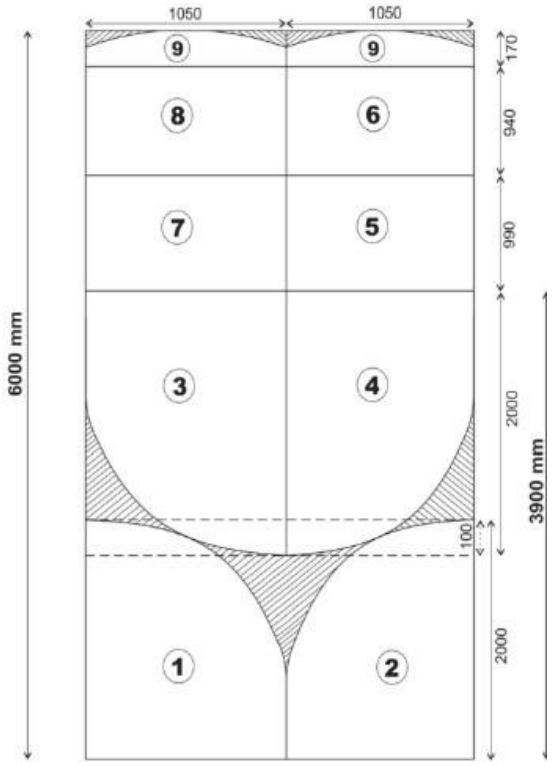
** In updated kits, reinforcement profile no. 7 consists of two parts (2 x 1010 mm), see page "Change: reinforcement profile no. 7".*

Polycarbonate sheet dimensions

Part	Width x height, mm	6 m²	12 m²	2 m extension
1–4 End wall sections	1050 x 2000	4	4	–
5 Upper door part	1050 x 990	1	1	–
6 Lower door part	1050 x 940	1	1	–
7 Window	1050 x 990	1	1	–
8 Part below the window	1050 x 940	1	1	–
9 Part above the door and window	1050 x 170	2	2	–
10 Roof	2100 x 6000	1	2	1

CUTTING DEPENDS ON YOUR KIT! If you received only large 2100 x 6000 mm sheets (6 m²: 2 pcs, 12 m²: 3 pcs, etc.), all the parts listed above are cut from one 2100 x 6000 mm sheet according to the cutting diagram below. If you received 1050 x 2000 mm sheets in addition to the large sheets, the large sheet does not need to be cut: the large sheets are used for the roof and the 1050 x 2000 mm sheets for the end walls, door and window.

Polycarbonate cutting diagram



Parts in the diagram
1–4 End wall sections
5 Upper door part
6 Lower door part
7 Window
8 Part below the window
9 Part above the door and window

NOTE! Do not mix up the sides of the polycarbonate! The side with the UV protective layer (the printed side) must face outwards; the other side is covered with a clear film and faces inwards. **Wear gloves when cutting the sheets!** We recommend cutting the sheets with an electric circular saw, a fine-toothed hand saw or a sharp knife. Remove the protective films before installation.

Assembly

1 **Assembling the front and rear arches.** The arches are easiest to assemble lying flat on the ground. Attach the ground anchors (4) to the lower ends of the lower side posts (3), the side arches (2) to their upper ends and the short top arch (1) in the middle at the top. Use M5-12 screws (12) and M5 nuts (15) (figure 1).

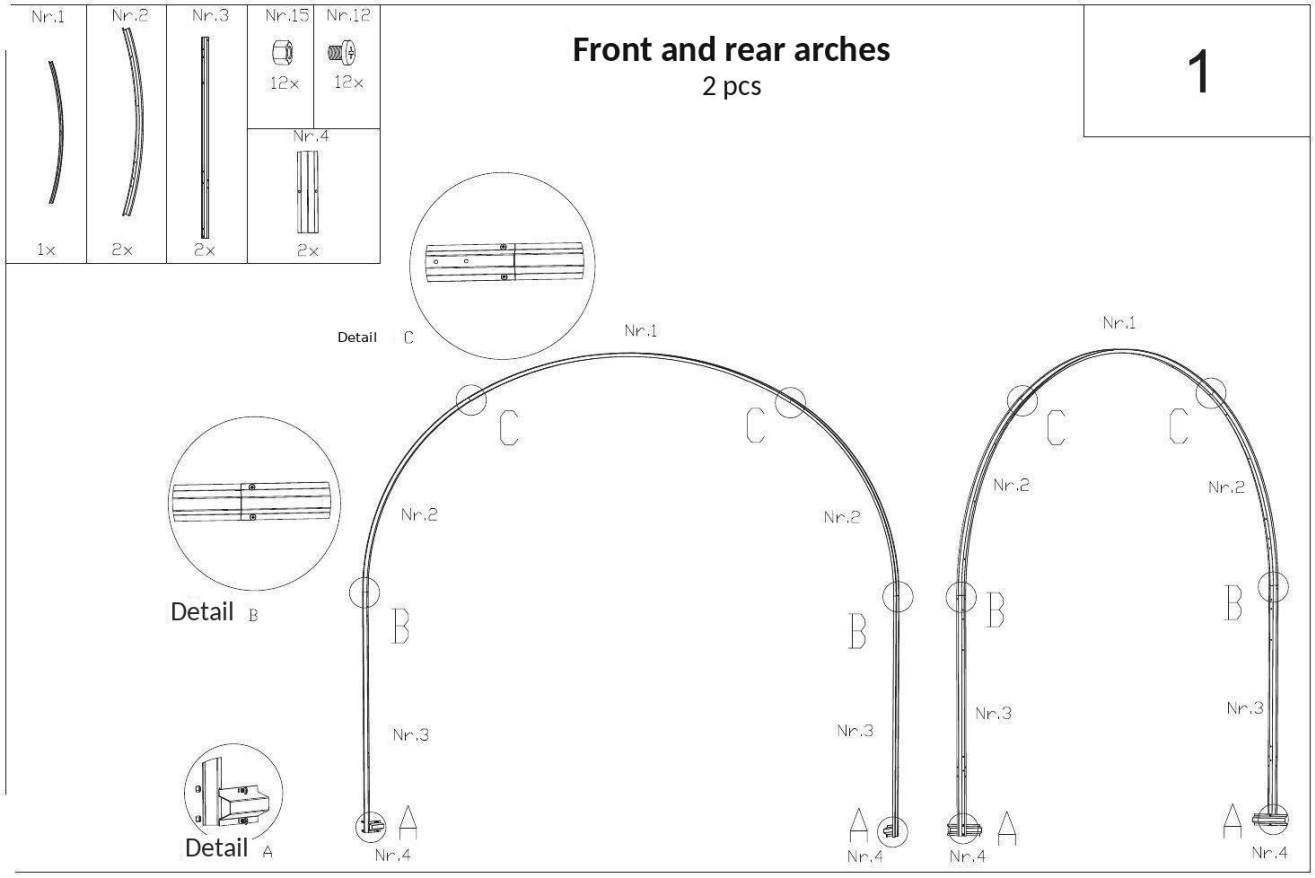


Figure 1

2 Using M5-12 screws (12) and M5 nuts (15), attach the polycarbonate and post mounting brackets (18) to the assembled arches (figure 2).

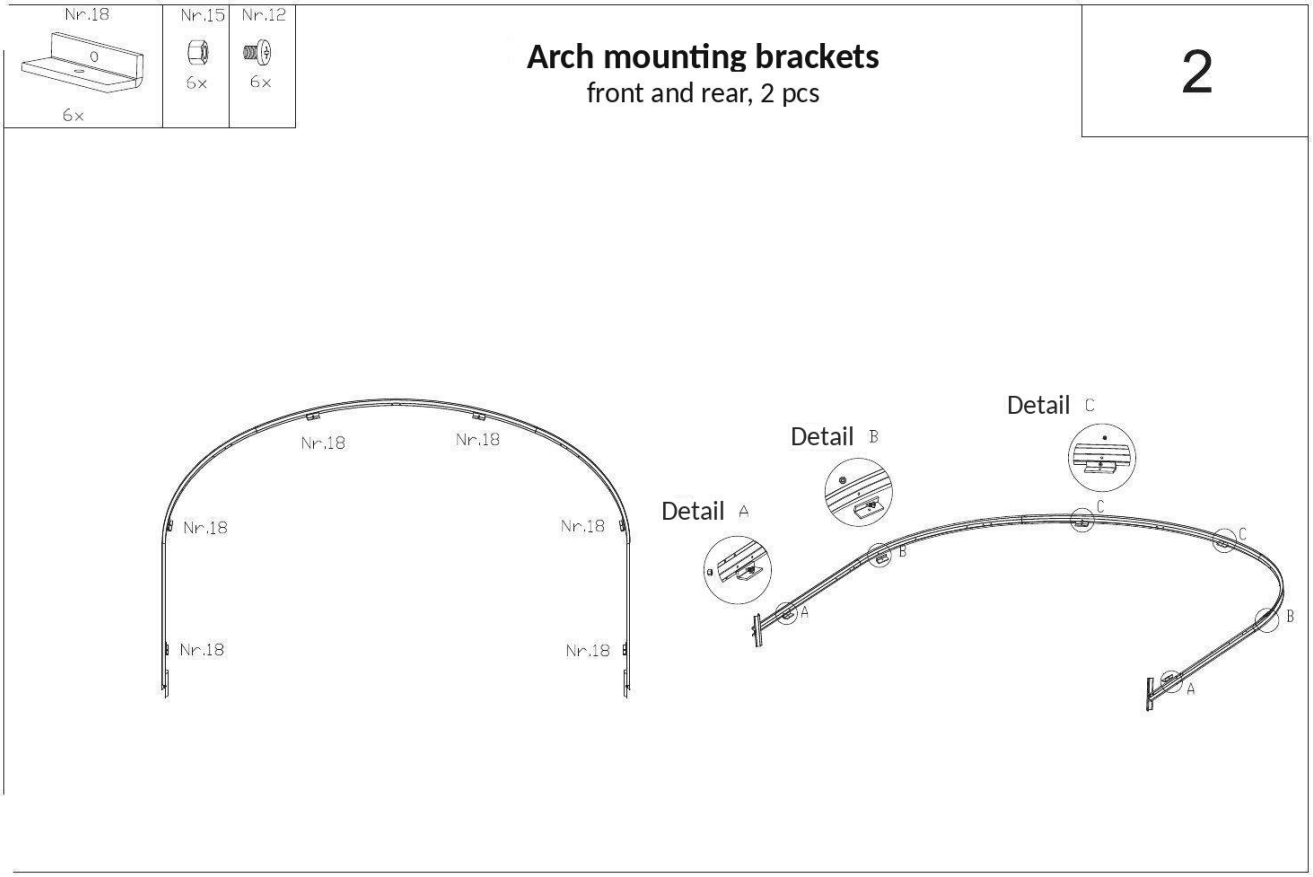


Figure 2

3 Using M5-12 screws (12) and M5 nuts (15), attach the door/window posts (8) to the upper mounting brackets (18). Fix the lower ends of the posts so that the ground anchors (4) go into the ground (figure 3).

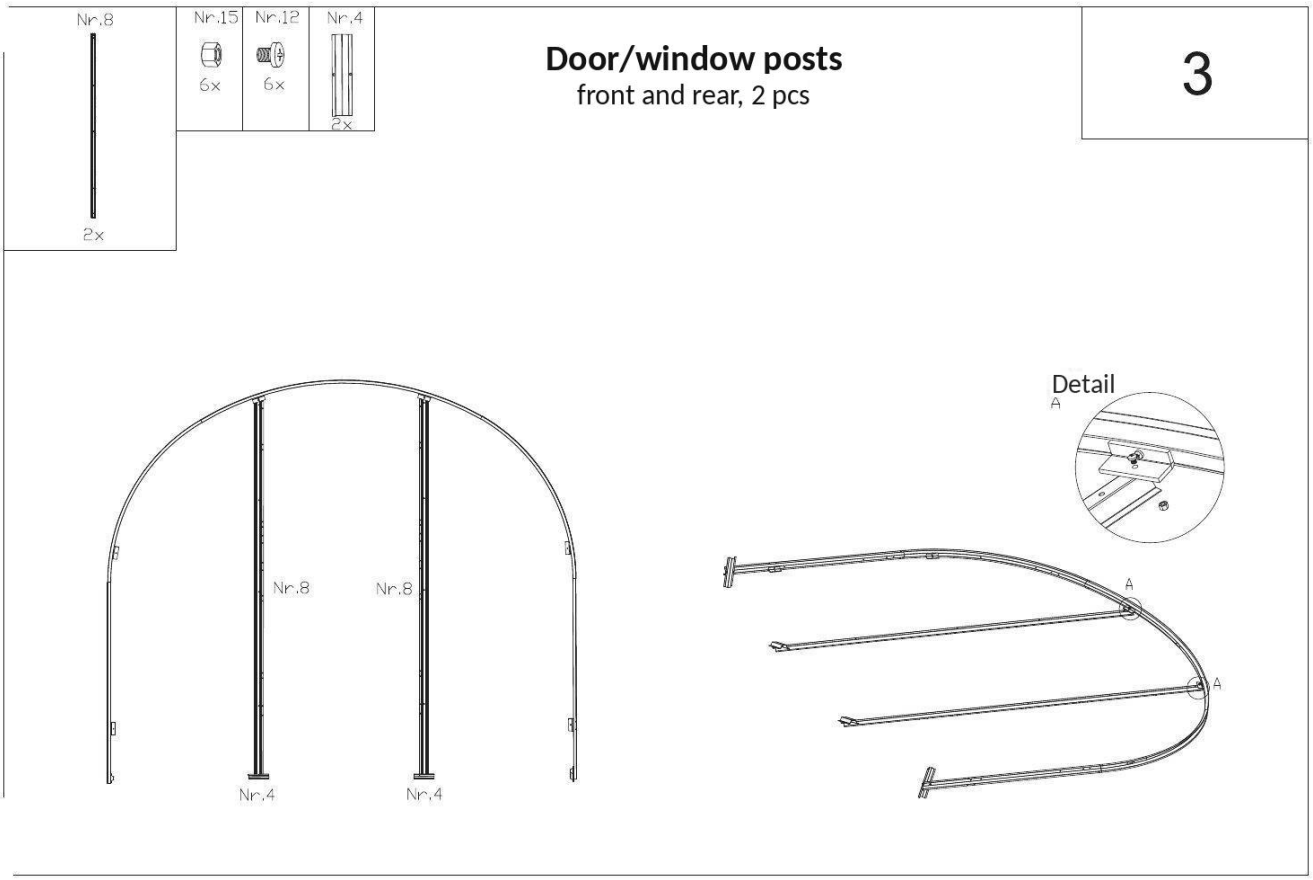


Figure 3

4 **Front section assembly.** Between the door/window posts (8), attach with M5-12 screws (12) and M5 nuts (15) the diagonal braces (10). Attach the side braces (9) and the lower side braces (5) to the sides of the posts (8).

NOTE! The lower diagonal brace is fixed one hole lower than the lower side fixings and is held by only one M5-12 screw (12) with a nut (15) (figure 4).

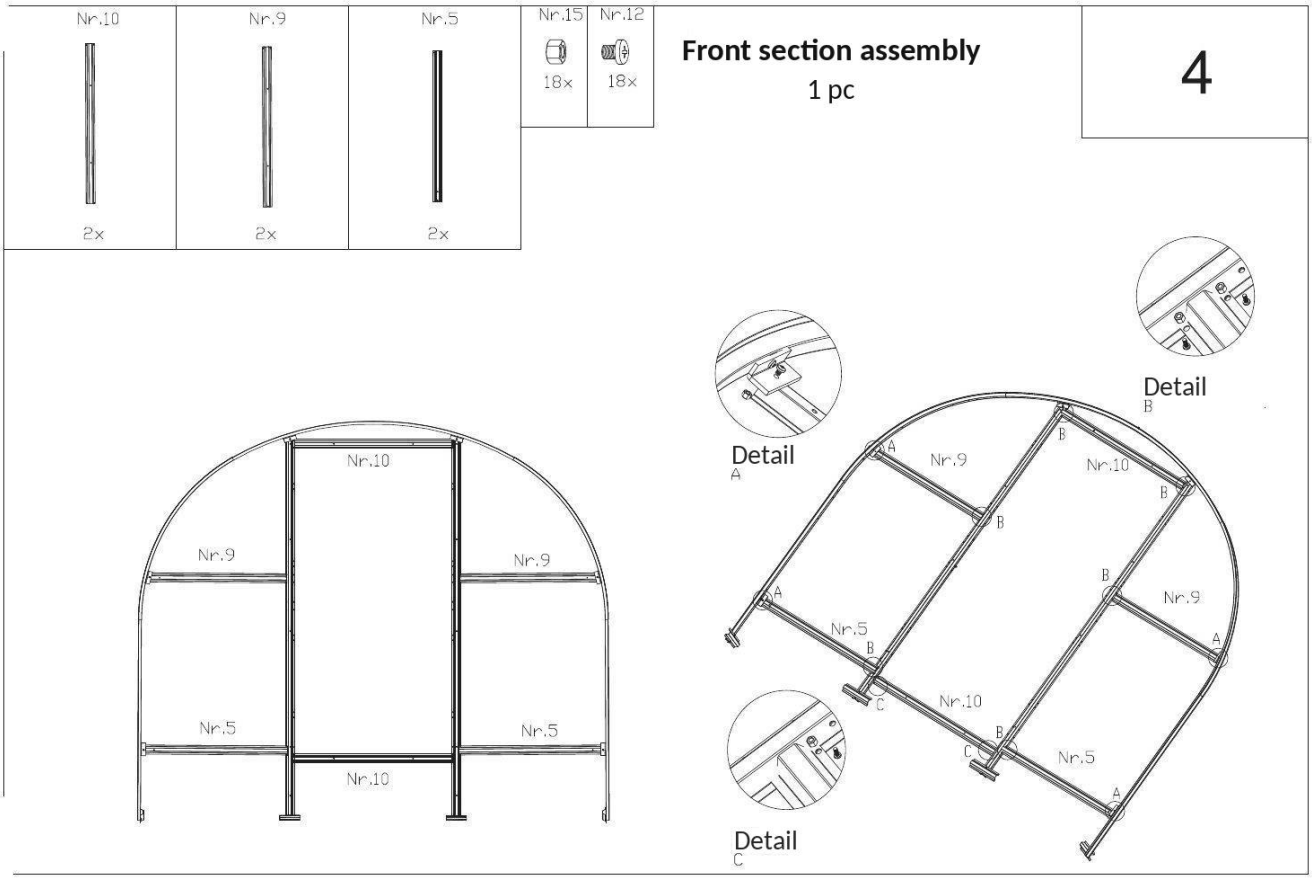


Figure 4

5 Using M5-12 screws (12) and M5 nuts (15), attach the cross bars connecting the arches (6) and the lower braces between the side arches (11) to the arch (figure 5).

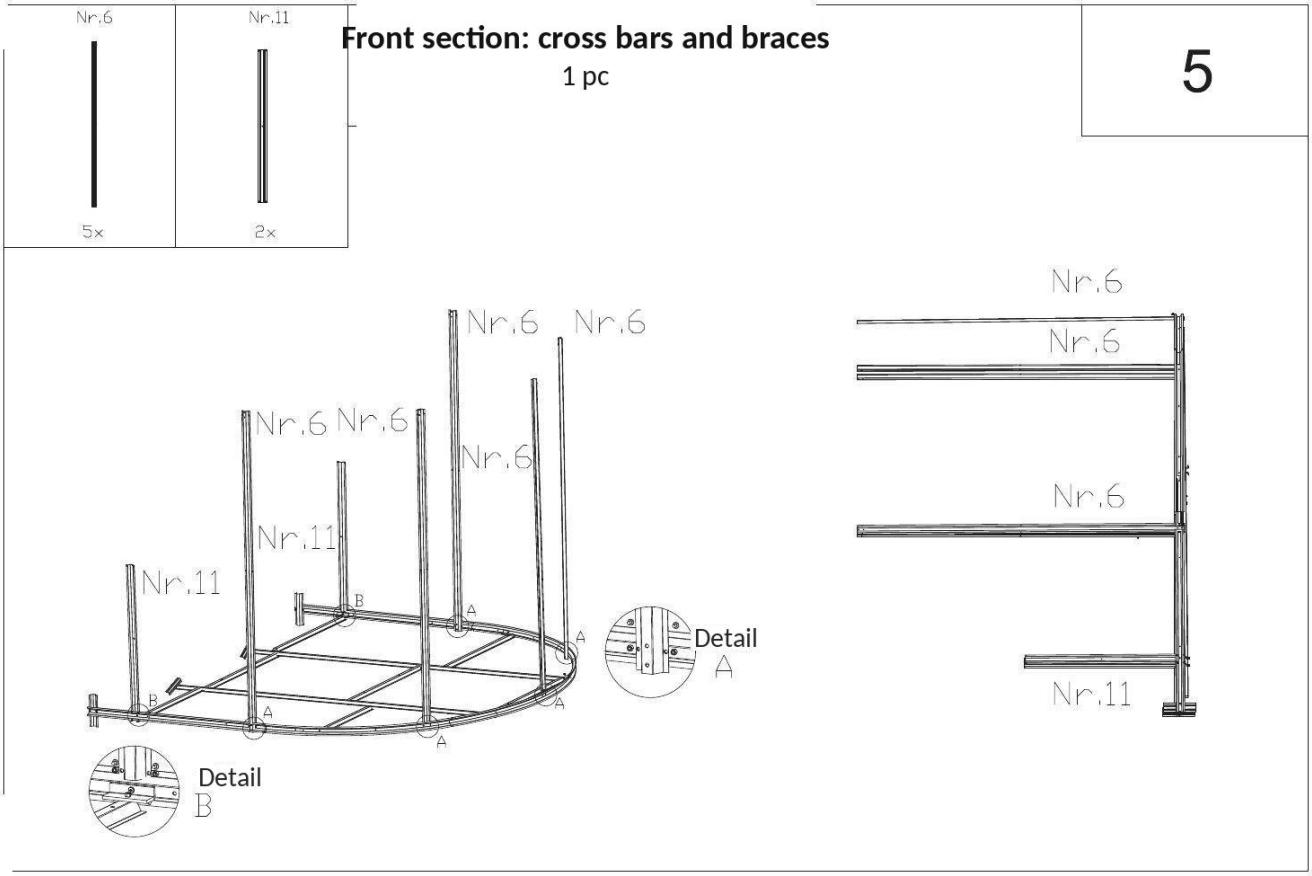


Figure 5

6 Starting from the bottom, attach the next arch to the side arch braces (11) and cross bars (6). It can be assembled part by part directly on the frame, or you can attach a pre-assembled arch (same order as in step 1).

Lift the section consisting of two arches and the connections off the ground and stand it upright (figure 6).

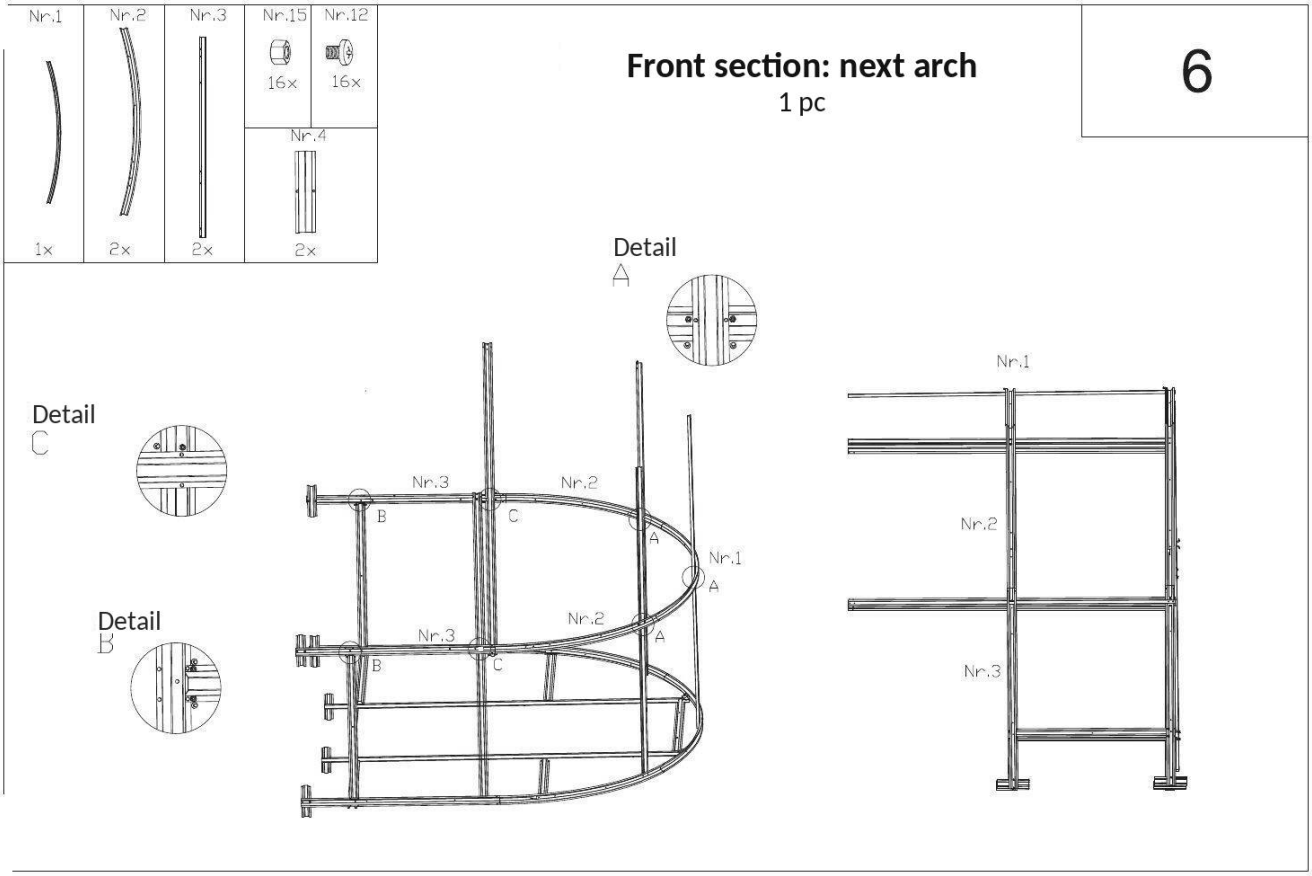


Figure 6

7 **Rear section assembly.** Between the door/window posts (8), attach with M5-12 screws (12) and M5 nuts (15) the diagonal braces (10). Attach the side braces (9) and the lower side braces (5) to the sides of the posts (figure 7).

Attach the cross bars (6) and the lower braces between the side arches (11) to the arch (figure 8).

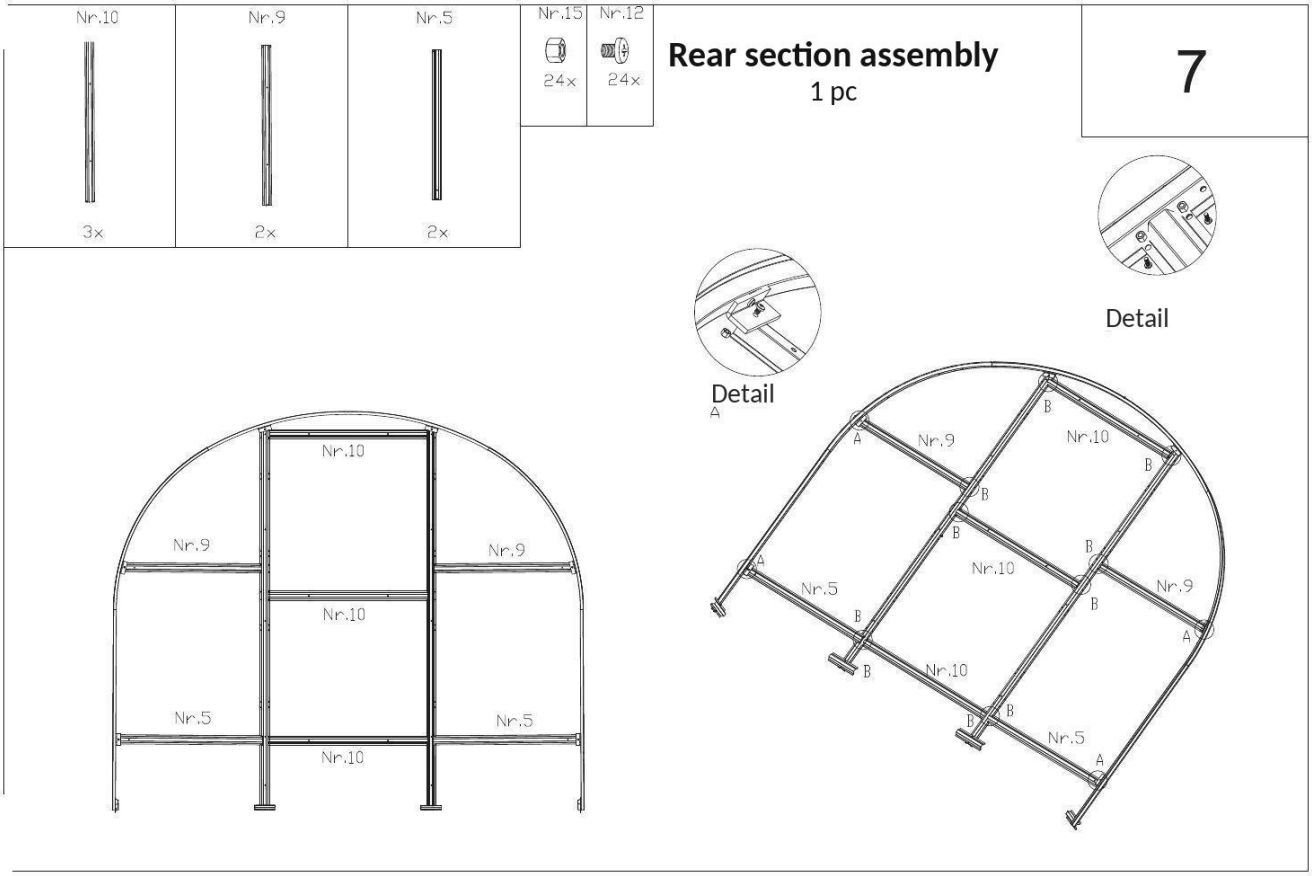


Figure 7

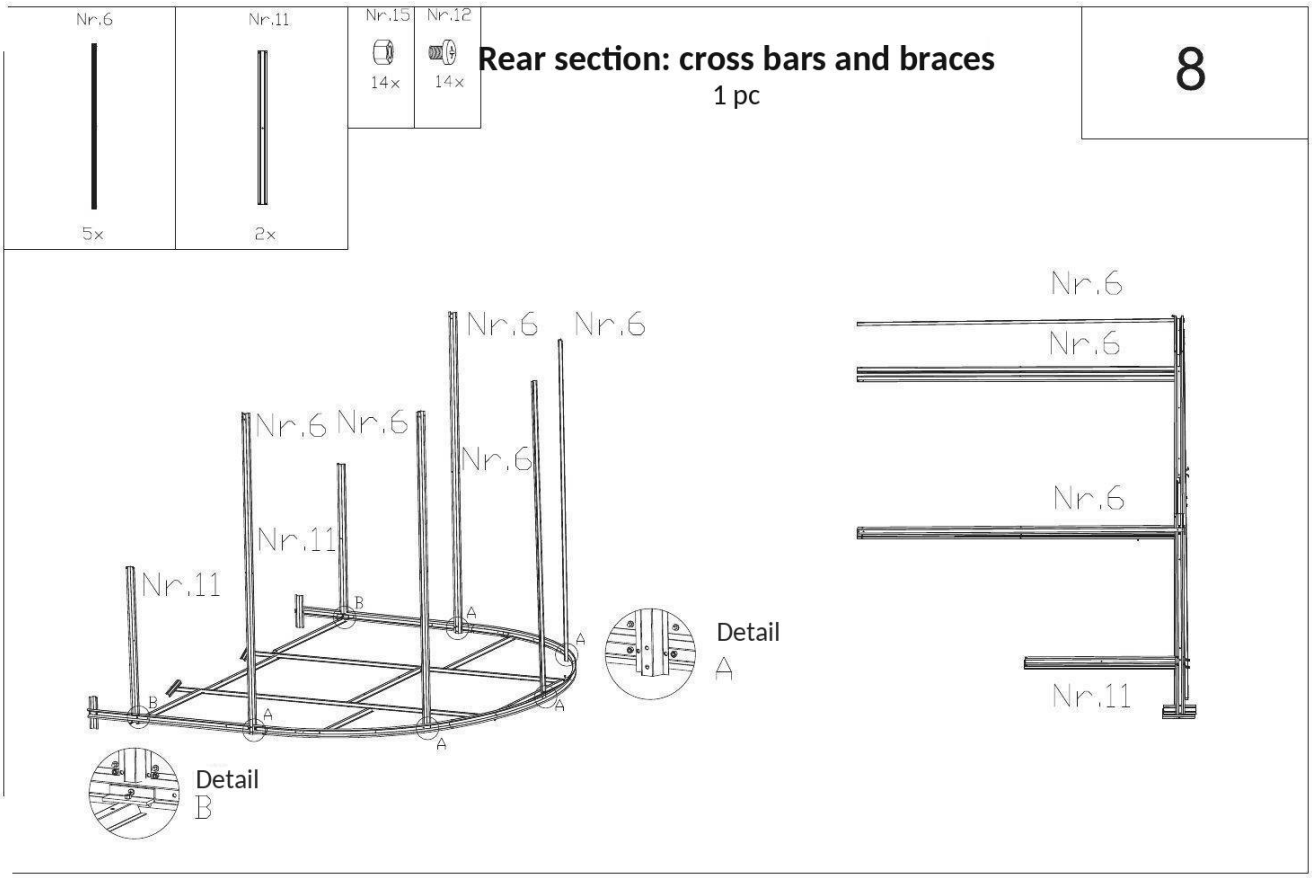


Figure 8

8 Starting from the bottom, attach the next arch to the braces (11) and cross bars (6), either part by part or pre-assembled. Lift the two-arch section off the ground and stand it upright (figure 9).

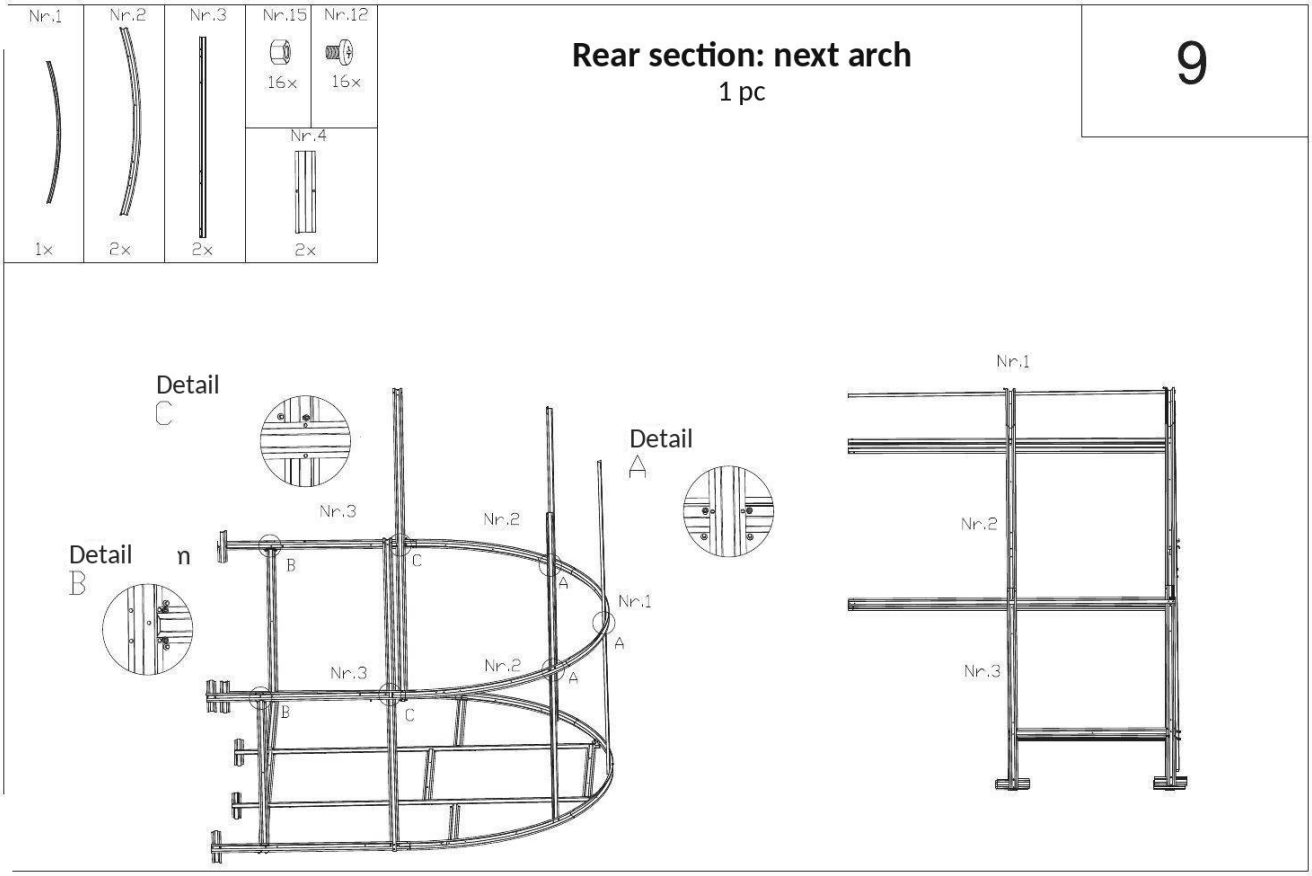


Figure 9

9 **Joining the front and rear sections.** Place the assembled front and rear sections facing each other and connect them with the cross bars (6). Attach the last, fifth arch – it can be assembled from parts directly on the frame, or a pre-assembled arch can be used. The arch and cross bars are fixed with M5-12 screws (12) and M5 nuts (15) through all three parts (figure 10).

Greenhouses larger than 12 m² (4 m) use 2 m extension modules: 6 m = 4 m + 2 m; 8 m = 4 m + 2 m + 2 m; 10 m = 4 m + 2 m + 2 m + 2 m (figure 20).

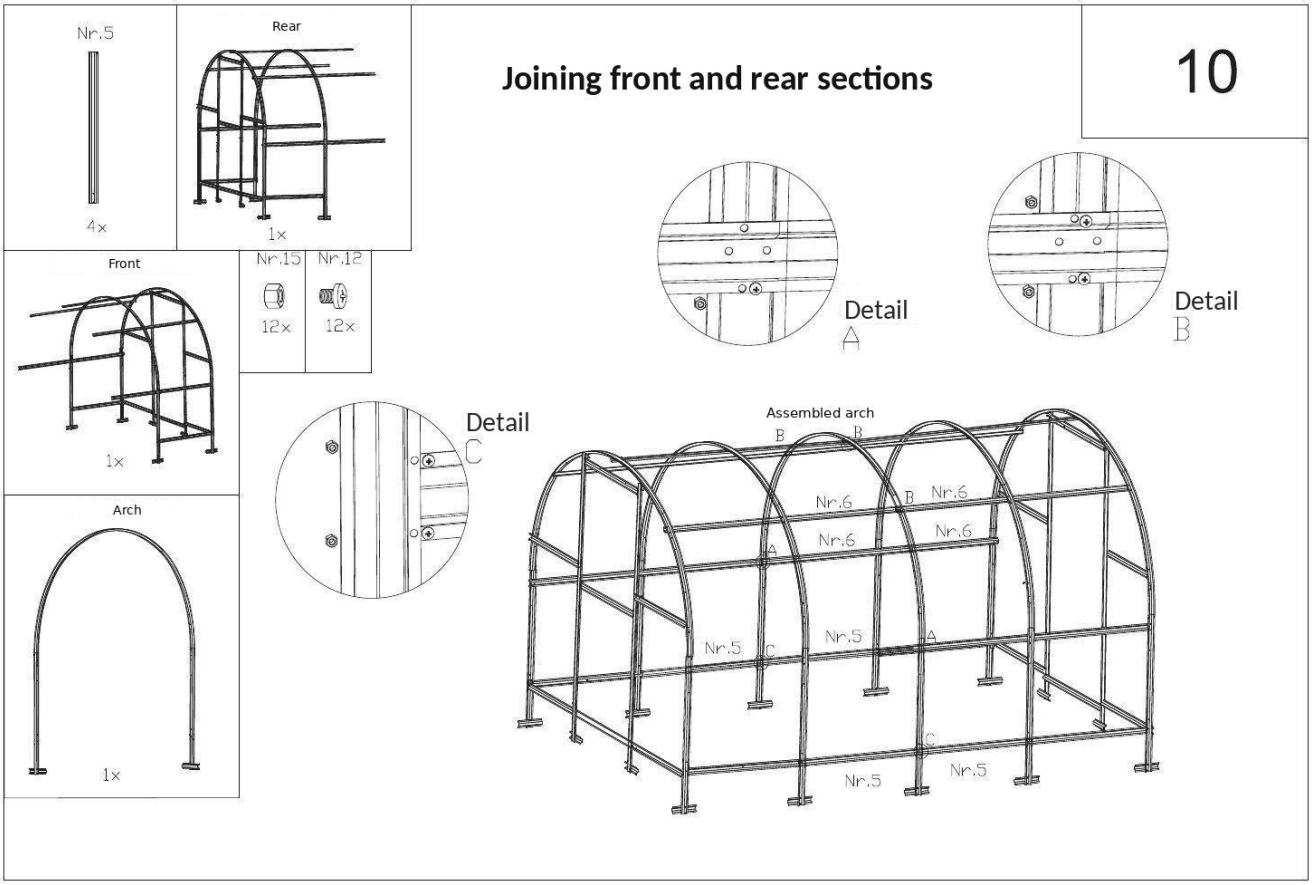


Figure 10

10 **Reinforcement profiles.** A reinforcement profile (7) is installed on the left and right side of each inner arch. Fix it at the bottom with an M5-40 screw (13) and nut (15) through all three parts, and at the top with an M5-12 screw (12) and nut (15) (figure 11).

NOTE! In updated kits, the reinforcement profile consists of two parts – see the next page.

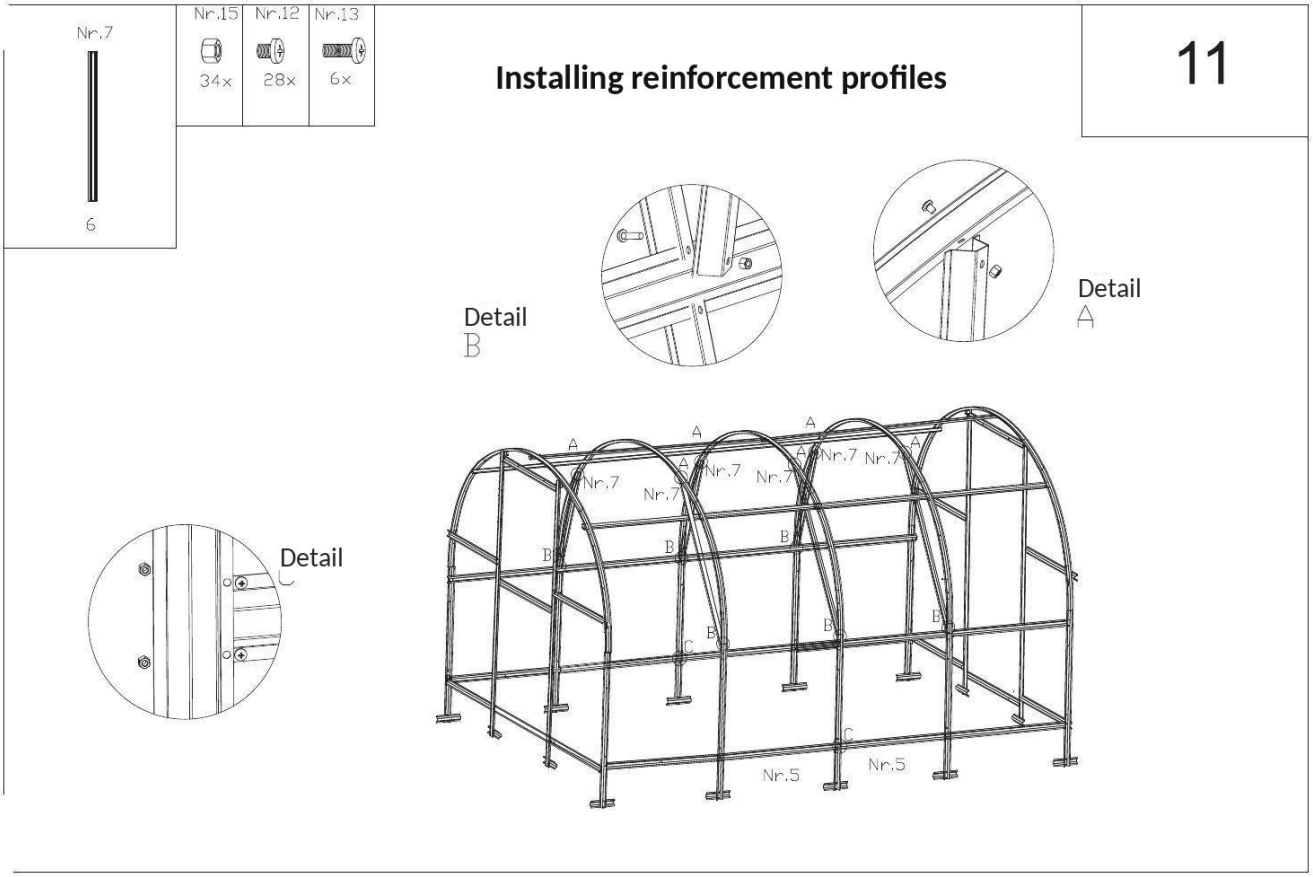
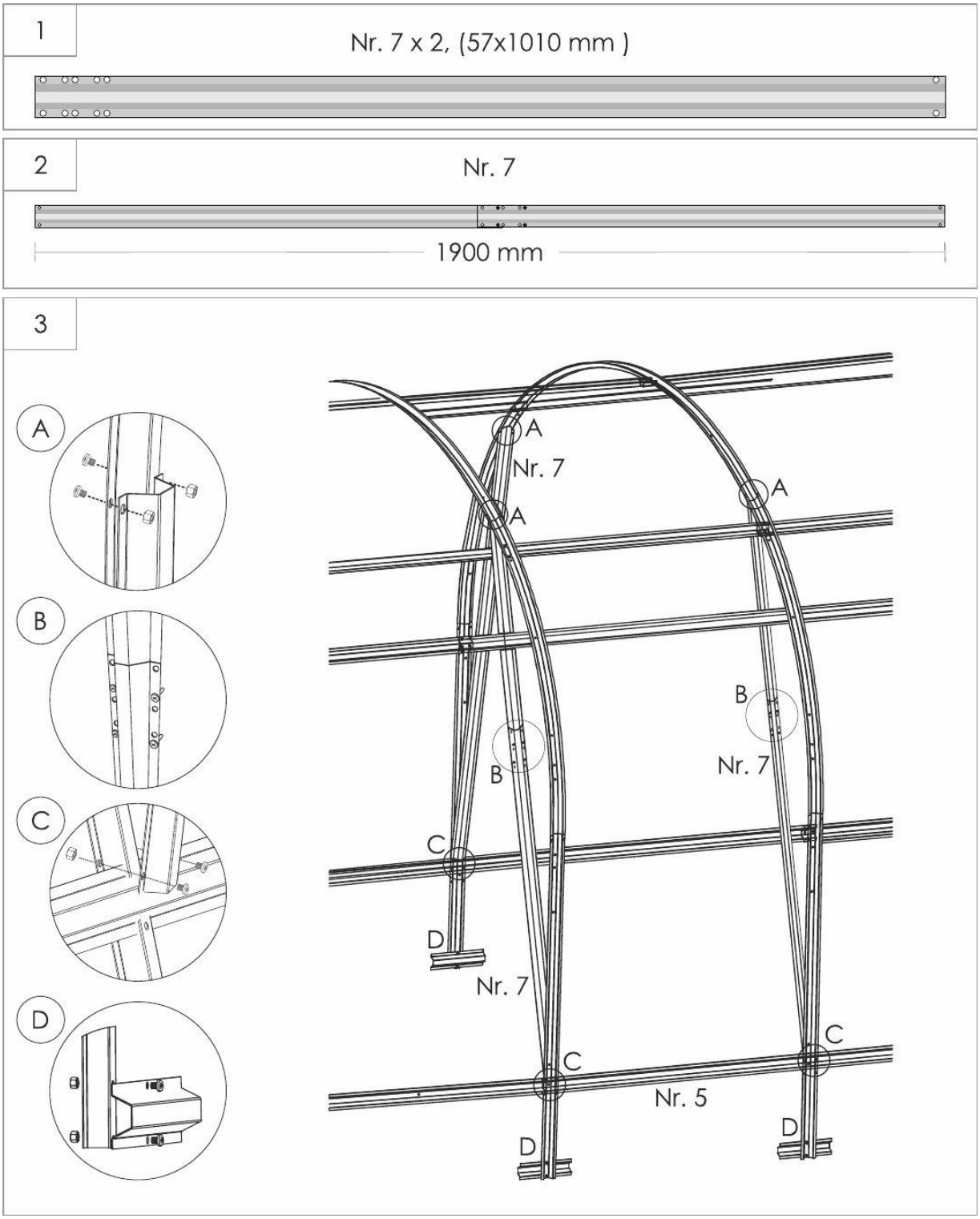

Nr.7
6
Nr.15
34×
Nr.12
28×
Nr.13
6×
Installing reinforcement profiles
11
Detail
B
Detail
A
Detail
C
Nr.7
Nr.5

Figure 11

Change: reinforcement profile no. 7

IMPORTANT! The dimensions of reinforcement profile no. 7 have changed. Instead of the former single 1469 mm profile, the kit contains **two separate 1010 mm parts (57 x 1010 mm)**, which are joined together with 4 bolts. The length of the assembled profile is 1900 mm. The joint between the parts is shown in detail B, the attachment to the frame in details A and C, and the lower attachment in detail D.



Reinforcement profile no. 7: 1 – two parts 57 x 1010 mm; 2 – assembled profile 1900 mm; 3 – installation

11 At the front and rear, attach the polycarbonate mounting brackets (18) to the ends of the cross bars connecting the arches (6) (figure 12).

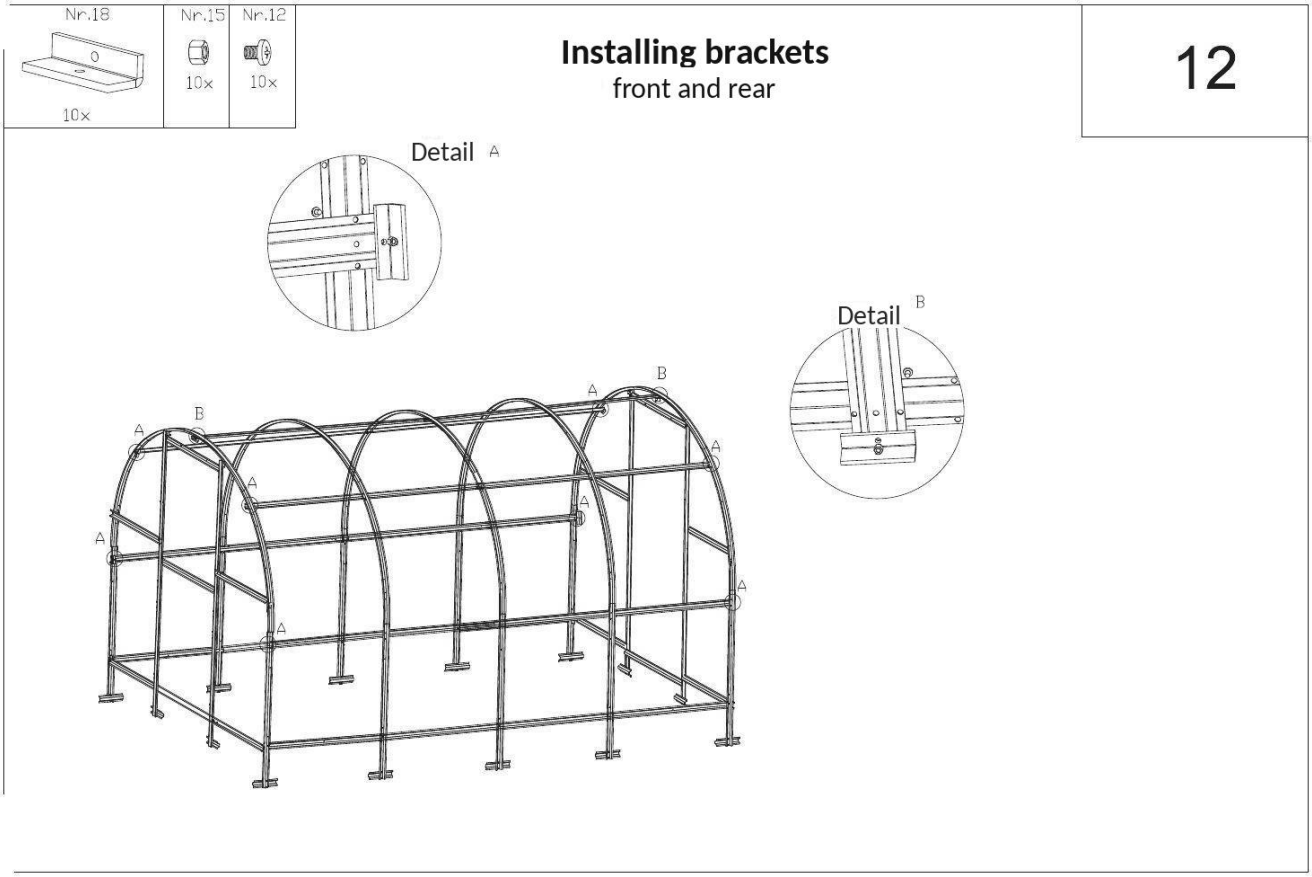


Figure 12

12 Dig holes (approx. 25 cm in diameter, 40 cm deep) around the perimeter of the base for the lower side posts (3). Place the assembled frame into the holes.

Measure the diagonals – they must be equal. Check that the end arches are plumb (vertical) and tighten all frame screws fully.

13 **Installing the polycarbonate.** Once the frame is assembled, cut the polycarbonate to size and fix it to the frame. Fix the cut sheets (1, 2, 3, 4, 8, 9 in the cutting diagram) at the intended points to the mounting brackets (18) with M5-16 screws (14), M5 nuts (15) and washers (16); at the door/window posts (8), diagonal braces (10) and side fixings (9, 5) use M5-40 screws (13), M5 nuts (15) and washers (16) (figures 13–14).

If the end sheets protrude above the arches, trim them flush with the frame.

NOTE! Do not mix up the sides of the polycarbonate! The side with the UV protective layer (the printed side) must face outwards; the other side is covered with a clear film and faces inwards. **Wear gloves when cutting the sheets!** We recommend cutting the sheets with an electric circular saw, a fine-toothed hand saw or a sharp knife. Remove the protective films from both sides before installation.

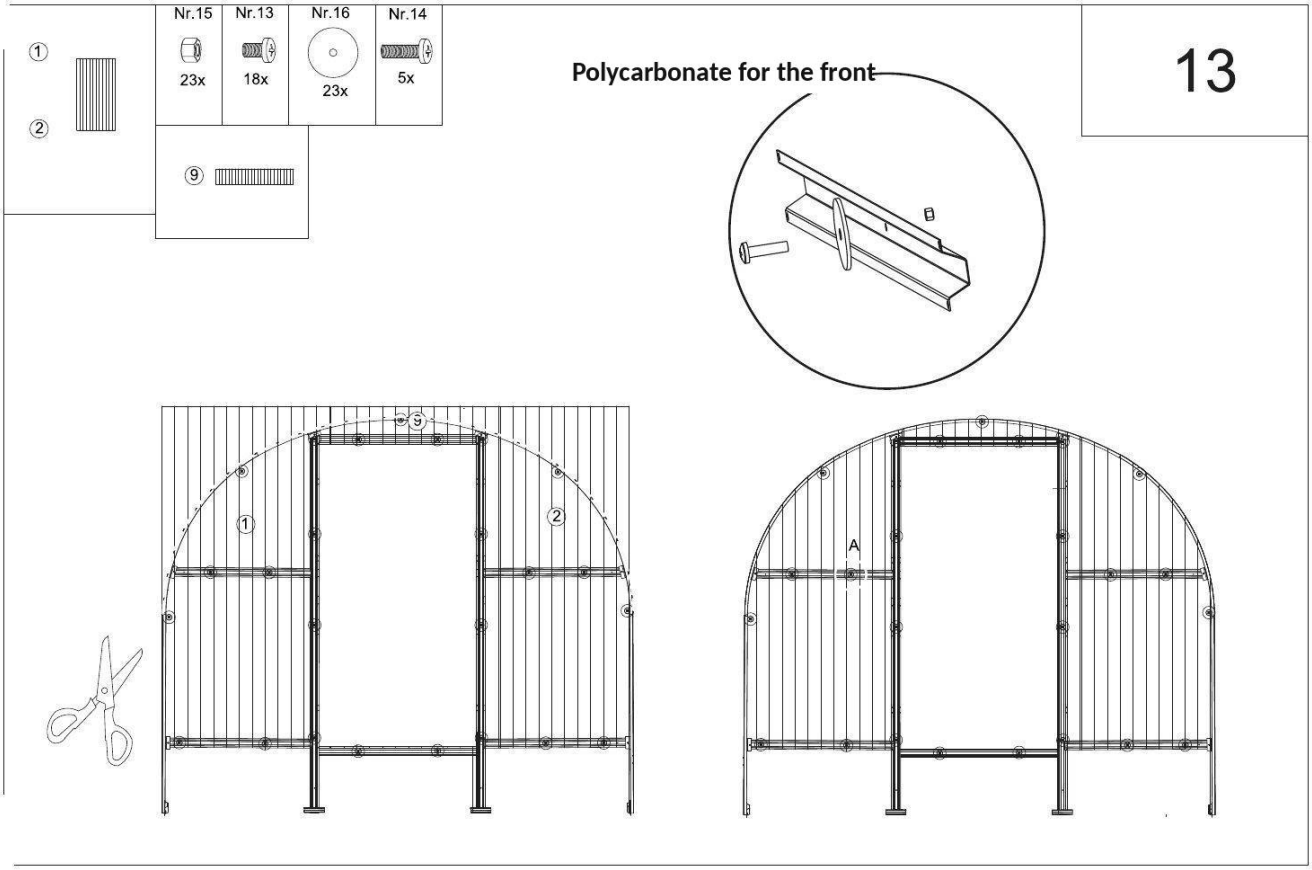


Figure 13

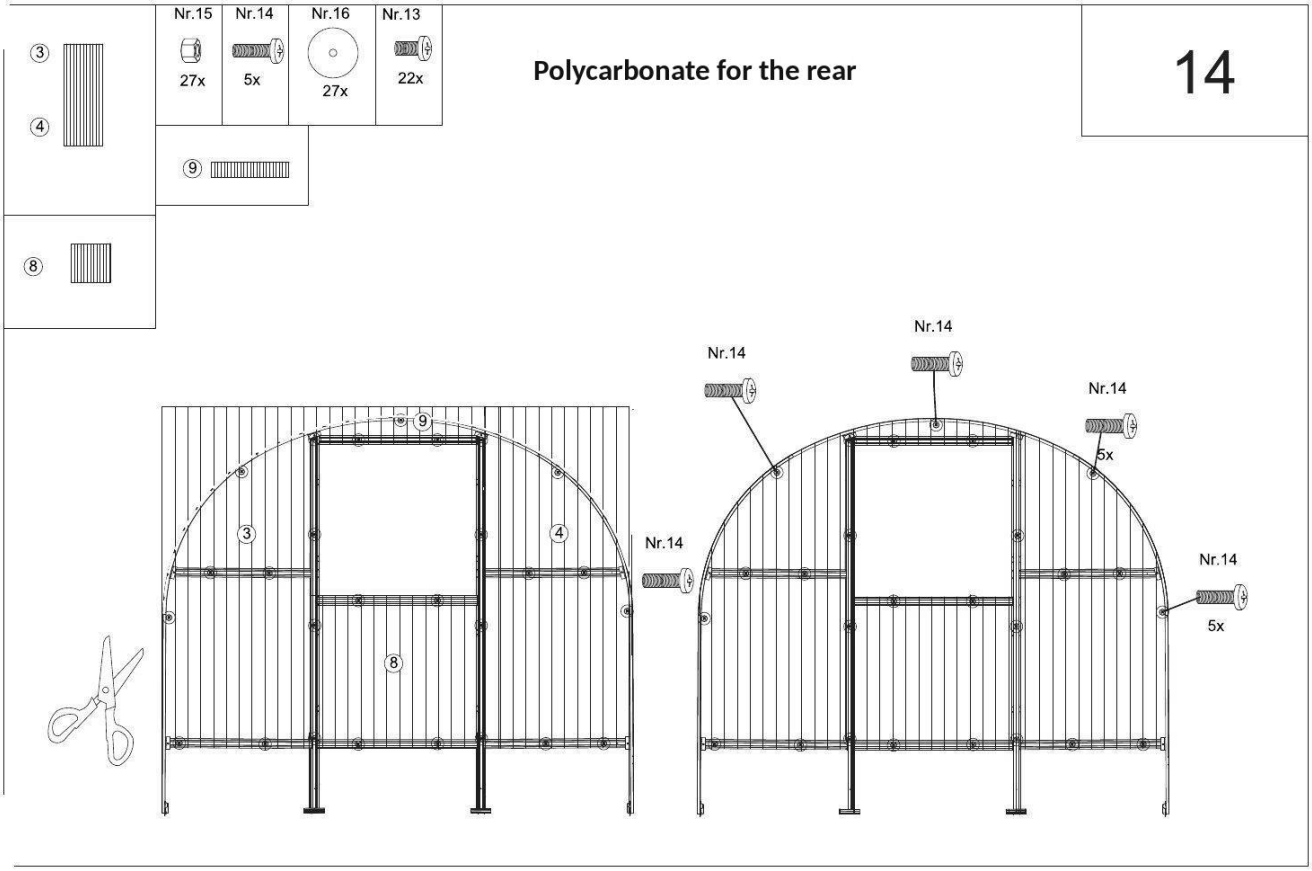


Figure 14

14 Cover the upper edges of the end sheets with aluminium-foil sealing tape (19). Only then install the roof polycarbonate (2100 x 6000 mm) (figure 15).

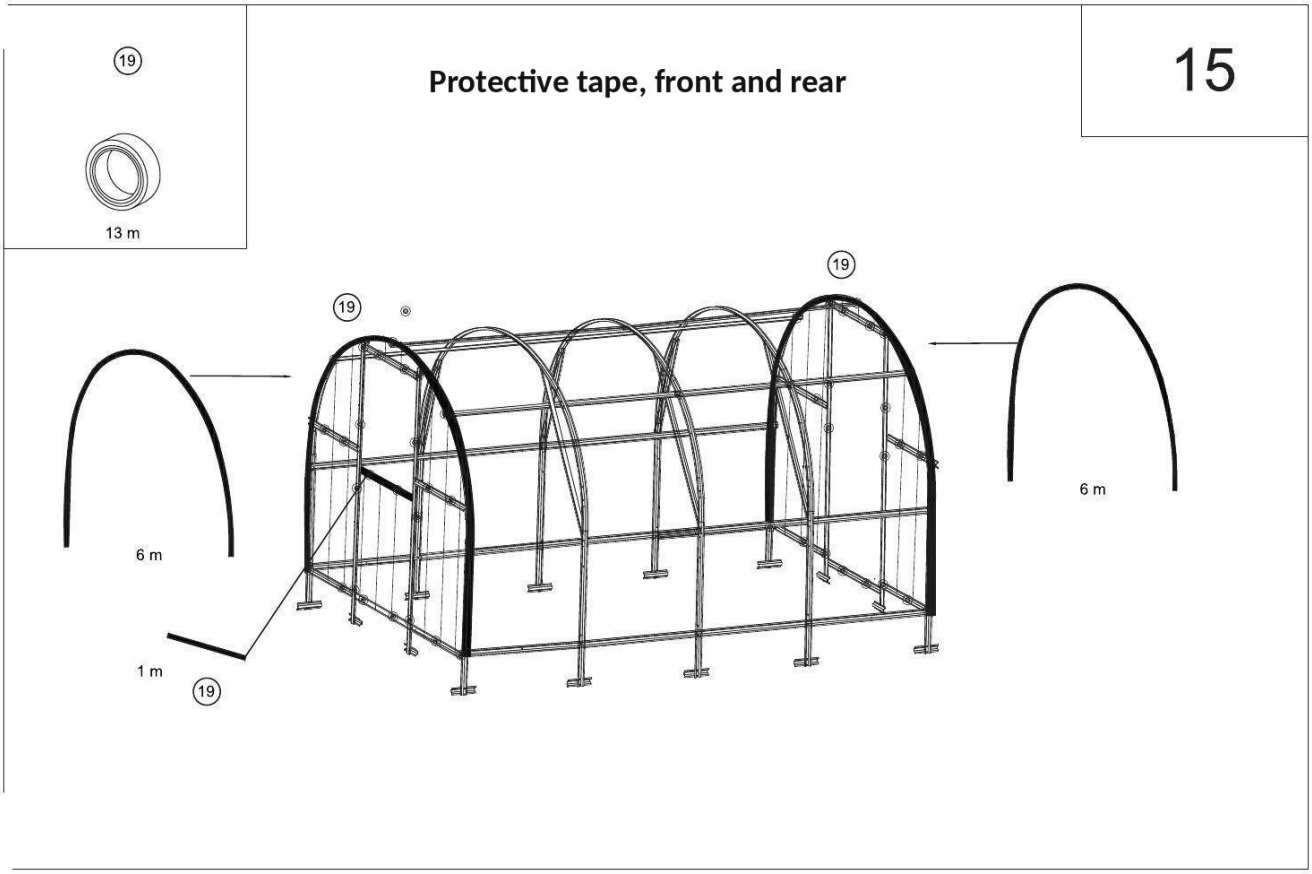


Figure 15

15 **Installing the roof.** Install the roof sheets (10) from the bottom up, starting on one side. The sheets are fixed with M5-40 screws (13), M5 nuts (15) and washers (16). Each arch has 4 marked fixing points – fix the sheet **ONLY** at these points. On the other side, fix the sheet from the top down, also at the 4 marked points.

If the sheet is too long, cut it so that it reaches exactly to the brace between the side arches (11). The next roof sheet is installed in the same way. At the front and rear, the sheets must overhang the frame by 5–7 cm (figure 16).

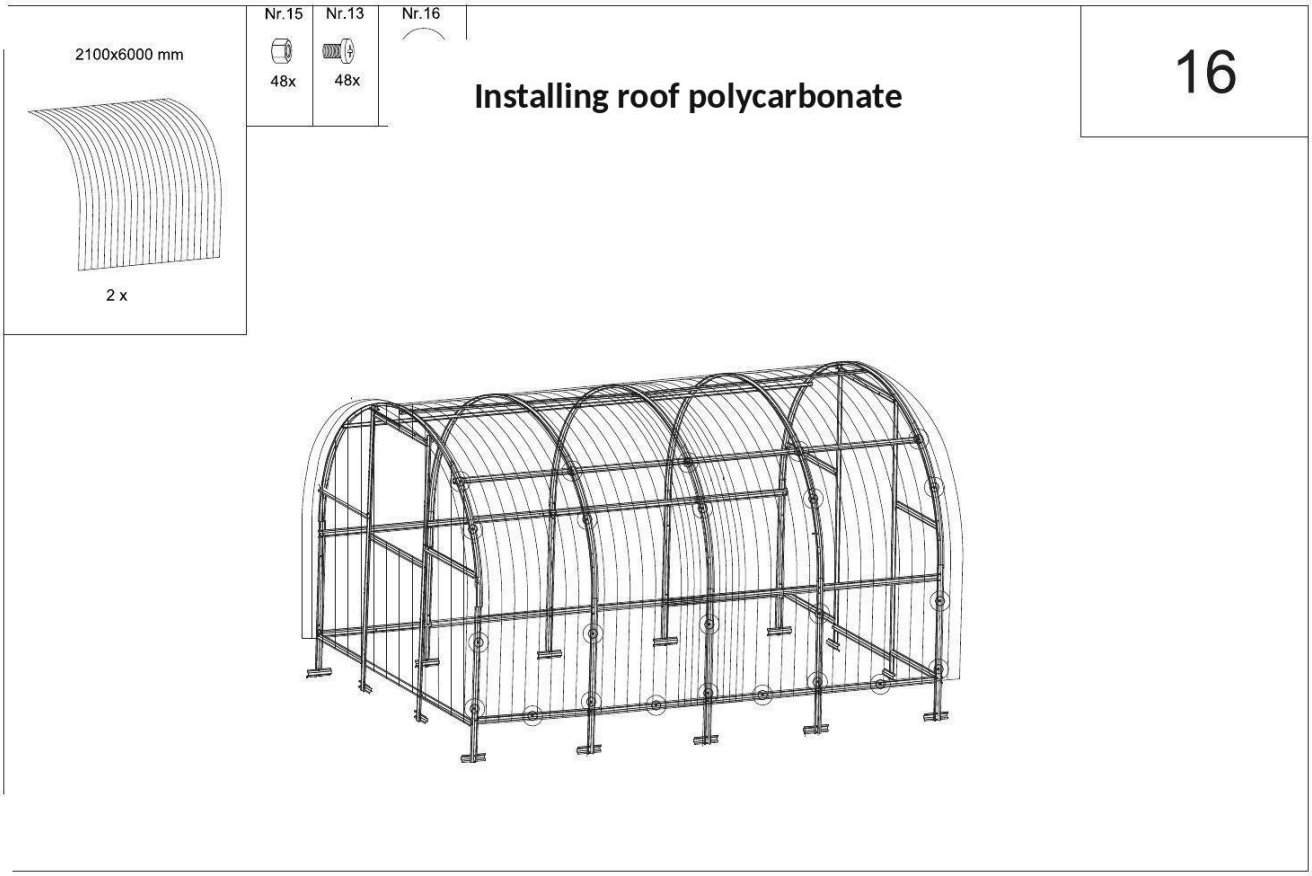


Figure 16

16 **Door and window assembly.** Using M5-12 screws (12) and M5 nuts (15), join the door parts (Door 1, Door 2 and Door 3) into a rectangle (figure 17).

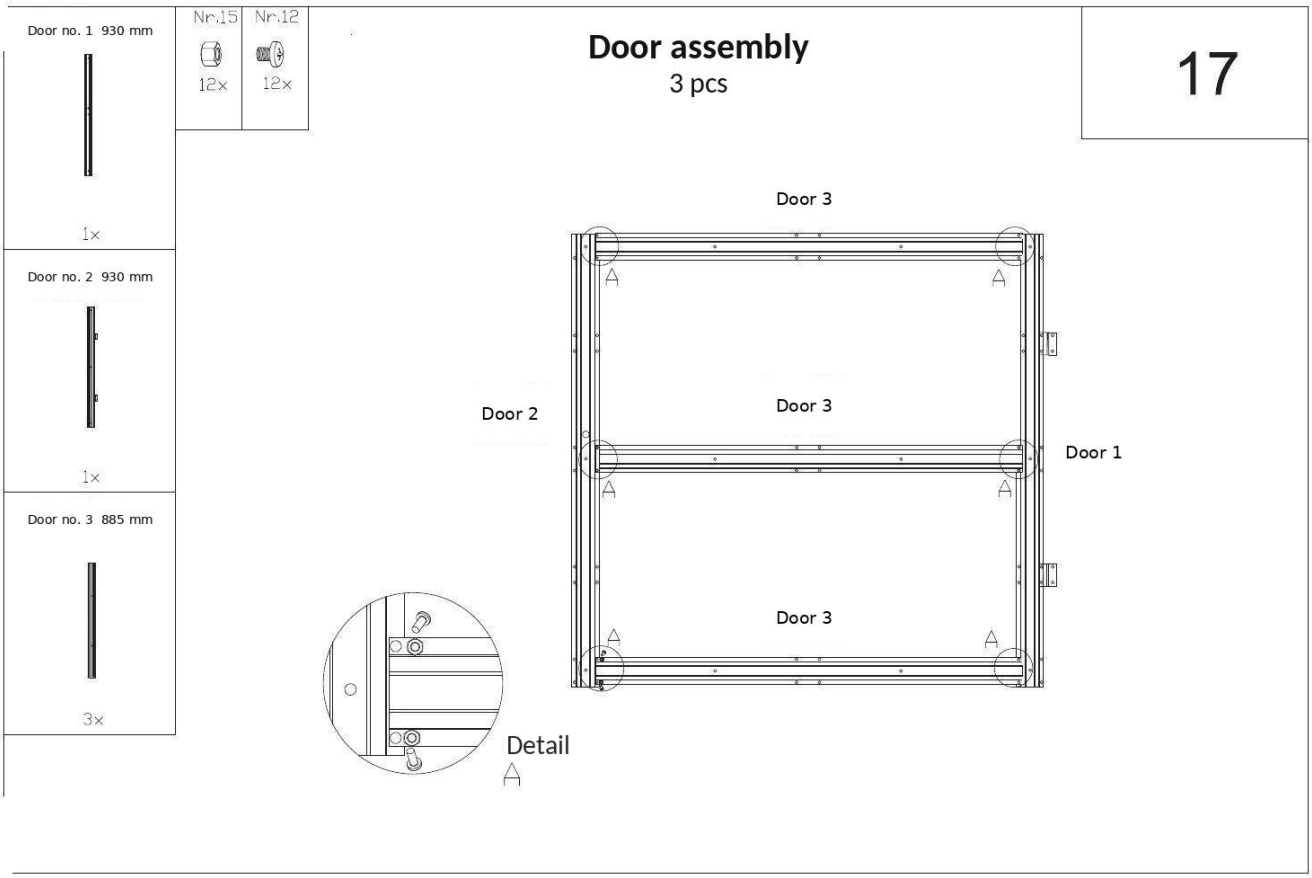


Figure 17

17 Using M5-12 screws (12) and M5 nuts (15), attach the door part with hinges to the door/window post (8) (figure 18).

NOTE! The door is fixed to the post through the polycarbonate when the door is fully open and the hinge is pulled out of the opening.

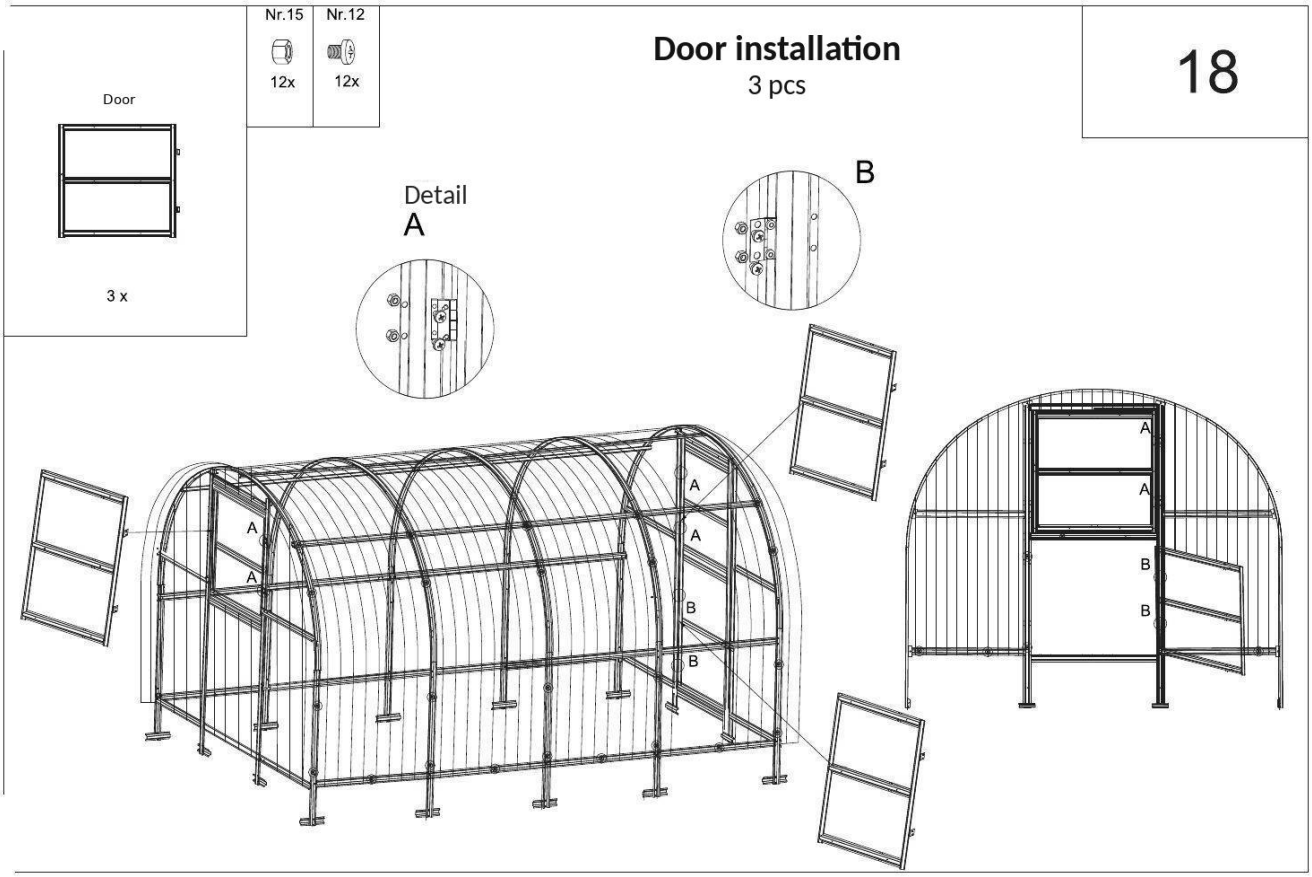


Figure 18

18 Cut out the door and window sheets (5, 6, 7) according to the cutting diagram. Install them **ONLY AFTER** the door hinges have been attached to the frame. The sheets are fixed to the door/window frame with M5-40 screws (13), M5 nuts (15) and washers (16). Seal the upper edges of the sheets with sealing tape (19). Attach the handles (17) to the finished door and window (figure 19).

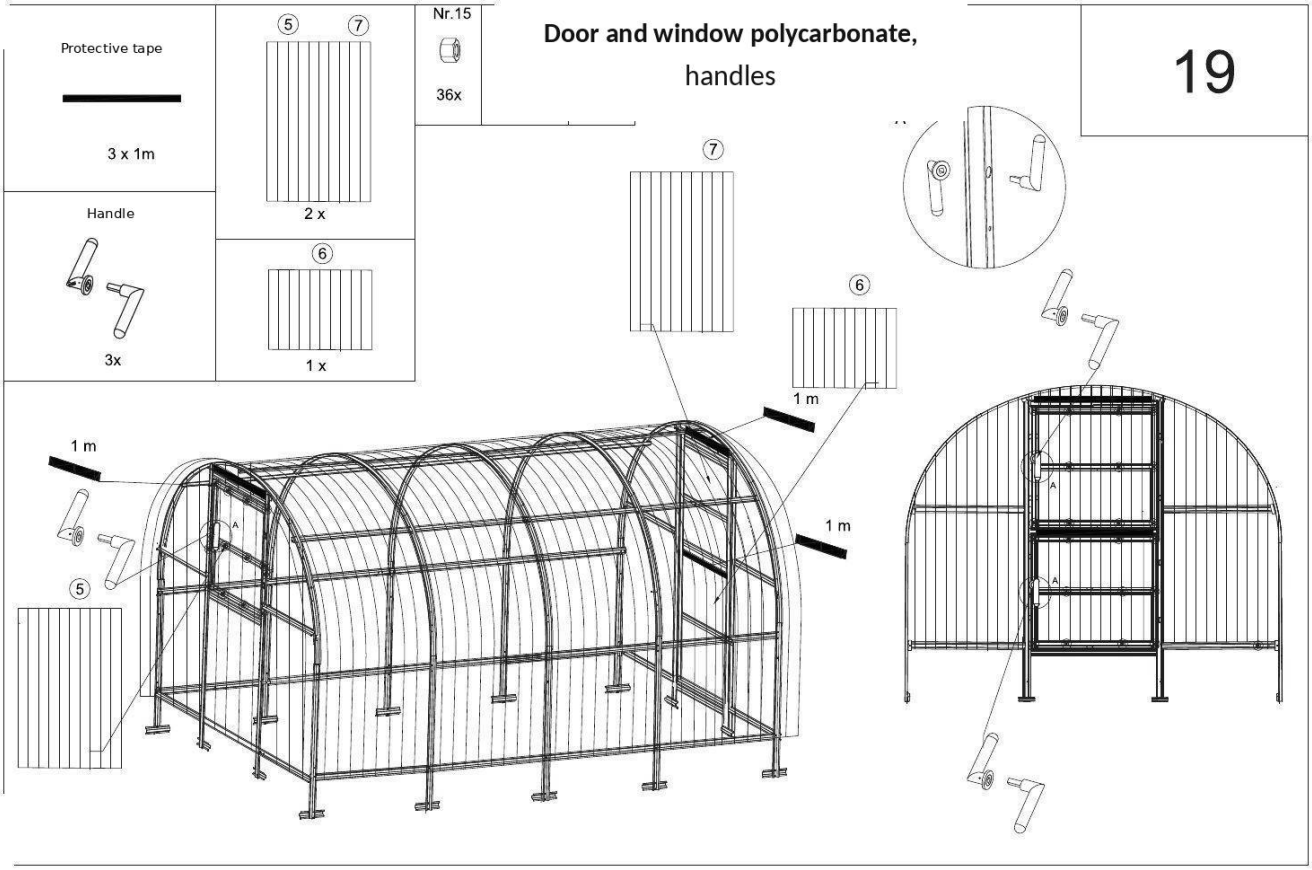


Figure 19

19 **The 2 m extension module** (if purchased) is installed in the same way as the arches in steps 6 and 9 (figure 20).

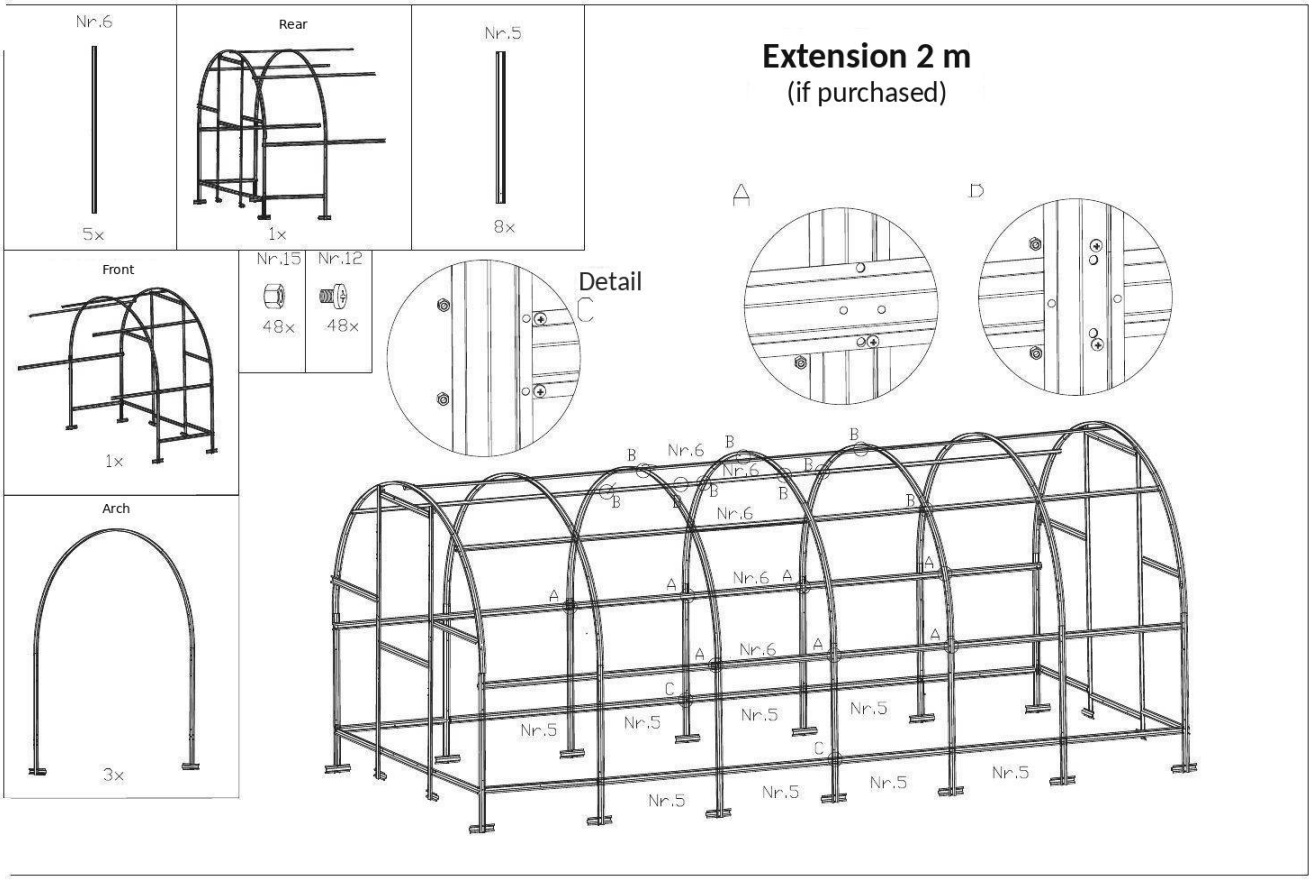


Figure 20

Warranty

The frame of the BALTIC LT greenhouse is covered by a **warranty against complete rust-through**. The warranty covers only quality faults and defects resulting from manufacturing errors. The warranty period starts on the date of purchase stated on the invoice.

The warranty does not cover:

- damage caused by natural disasters, extreme weather or force majeure;
- damage caused by unsuitable transport or storage conditions (unless the transport was arranged by the seller);
- if the greenhouse has not been assembled according to these instructions;
- if the product has been mechanically damaged, dismantled or modified after delivery;
- damage caused by improper maintenance or repairs;
- normal wear and tear of parts.

During the warranty period, warranty repairs are carried out free of charge on presentation of the purchase documents. If the claim proves unjustified, the buyer pays the call-out costs. The warranty period of a repaired product is not extended.

> For warranty matters and further information, please contact: **www.interbauen.ee** · **info@interbauen.ee**