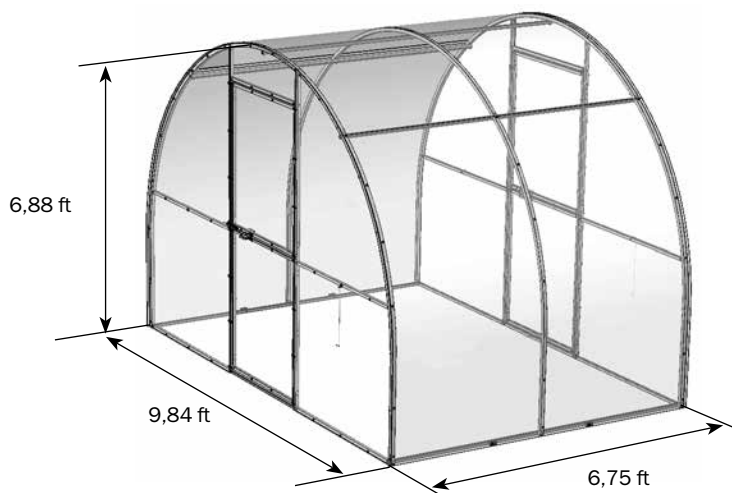




CAMELLIA

Technical manual



Technical certificate

pages.
2-6

Assembly manual

pages.
7-22

! The assembly and operation of greenhouse «CAMELLIA» shall be carried out strictly in accordance with the instruction manual and the rules laid down in the data sheet. Technical data sheet shall be kept.

DESCRIPTION

GREENHOUSES «CAMELLIA» ARE DESIGNED TO CREATE A CLIMATE FAVORABLE FOR THE CULTIVATION OF HORTICULTURAL CROPS ON FARMLANDS.

THE GREENHOUSE CAN BE OF DIFFERENT LENGTHS, DEPENDING ON THE CUSTOMER'S DESIRE. THE REQUIRED LENGTH OF GREENHOUSE IS PROVIDED BY THE PURCHASE OF ADDITIONAL PACKAGES WITH EXTENDING INSERTS. EACH INSERT EXTENDS THE BASIC GREENHOUSE SET FOR 6,5 FT. THE LENGTH OF THE BASIC SET IS 13,12 FT. THE HEIGHT OF INSTALLED GREENHOUSE FRAME IS 6,88 FT

Greenhouse frame is made of galvanized steel tubes. Assembly is carried out using pins, screws and nuts. Supply scope includes all the parts required to fix the cladding. Screws for polycarbonate fixing must be tightened with minimal torque set on screwdriver. Greenhouse cladding can be included in supply scope at the customer's request. Basic set requires 2 6,88x19,68ft polycarbonate sheets of 0,013 ft thickness. Each insert requires one 6,88x19,68ft polycarbonate sheet of 0,013 ft thickness.

if necessary, cladding can be disassembled in the reverse order.

longitudinal stiffness of the greenhouse is provided by fixed polycarbonate. This should be considered at the frame assembling.

Operation rules

before using, the greenhouse should be assembled and installed in accordance with the instructions. If the greenhouse is installed by third parties, customer should check the assembling quality for compliance with the instructions.

Do not install a greenhouse near the buildings and trees from which snow or ice can fall. Keep the distance of not less than 6,6 ft.

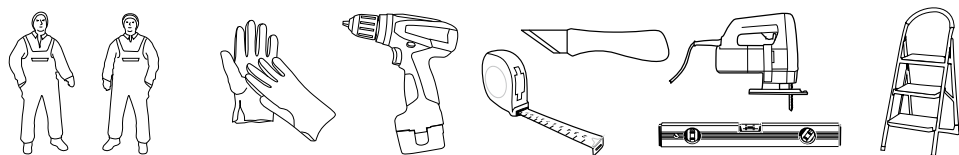
The greenhouse is designed to withstand the wind not more than 49,21 ft/s.

Cleaning and washing of the polycarbonate sheets.

1. Rinse the sheet with warm water.
2. wash the sheet with a solution of mild soap or household detergent and warm water, using a soft cloth or sponge to remove dirt.
3. Rinse with cold water and wipe with a soft cloth.

Never use abrasives or highly alkaline cleaning compositions for cleaning polycarbonate sheets. Dry rubbing of the surface will damage the protective layer of the cladding and shorten its shelf life. Never rub the surface of polycarbonate sheets with brushes, metallic cloth or other abrasive materials.

when disinfecting the greenhouse from pathogens causing fungal and bacterial diseases, do not use «sulfur blocks» to avoid frame corrosion (blackening).



1 BOX BASE

Nº1	Leg L=0,98 ft (20x20)		x 4
NºA2	Span L=6,88 ft (20x20)		x 5
NºA9	Door opening pole L=6,72 ft (20x20)		x 2
NºA9-1	Door opening pole L=6,72 ft (20x20)		x 2
NºA10	Door opening horizonta L=2,62 ft (20x20)		x 2
NºA10-1	Door opening horizonta L=2,62 ft (20x20)		x 2
	Hook		x 2
NºB4B	Upper arc (25x25)		x 1
NºB4H	Lower arc (25x25)		x 2
NºB4HK	Lower outer arc (25x25)		x 4
NºB4BK	Upper outer arc (25x25)		x 2
Nº1-1	Leg L=0,98 ft (25x25)		x 6

1 BOX BASE

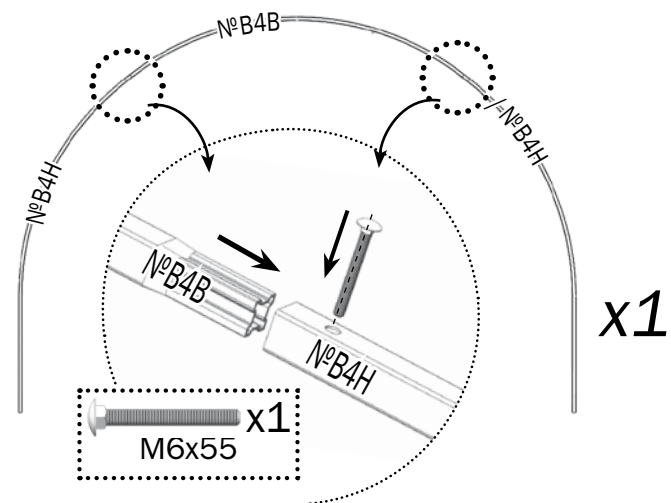
NºA7	Side wall tie bar L=3,37 ft (20x20)		x 2
NºA7-1	Side wall tie bar L=3,37 ft (20x20)		x 2
NºA8	Side wall horizontal L=3,41 ft (20x20)		x 4
NºA11	Vent window L=2,95 ft (20x20)		x2
NºA11-1	Vent window L=2,95 ft (20x20)		x6
NºA12	Vent window horizontal L=2,46 ft (20x20)		x 2
NºA12-1	Vent window horizontal L=2,46 ft (20x20)		x 4
NºA12-2	Vent window horizontal L=2,46 ft (20x20)		x 2
Hook bracket			x 6
hinge			x 8
Magnet bracket			x 4
Magnet			x 4
Handle			x 8
Overlay door bolt			x 2
Duct tape			x 1

Screw M3x14			x 4
Screw M4x30			x 57
Screw M4x35			x 9
Screw M6x45			x 32
Screw M6x55			x 15
Screw M6x60			x 4
Pin M6x55			x 4
Self tapper 4,2x16			x 130
Self tapper 4,8x25			x 90
nut M4		 Ø3	x 4
nut M4		 Ø4	x 70
nuta M6		 Ø6	x 15
washer		 Ø5	x 8
Nº3	Support		x 10
NºB13	Insertion (25x25)		x 4

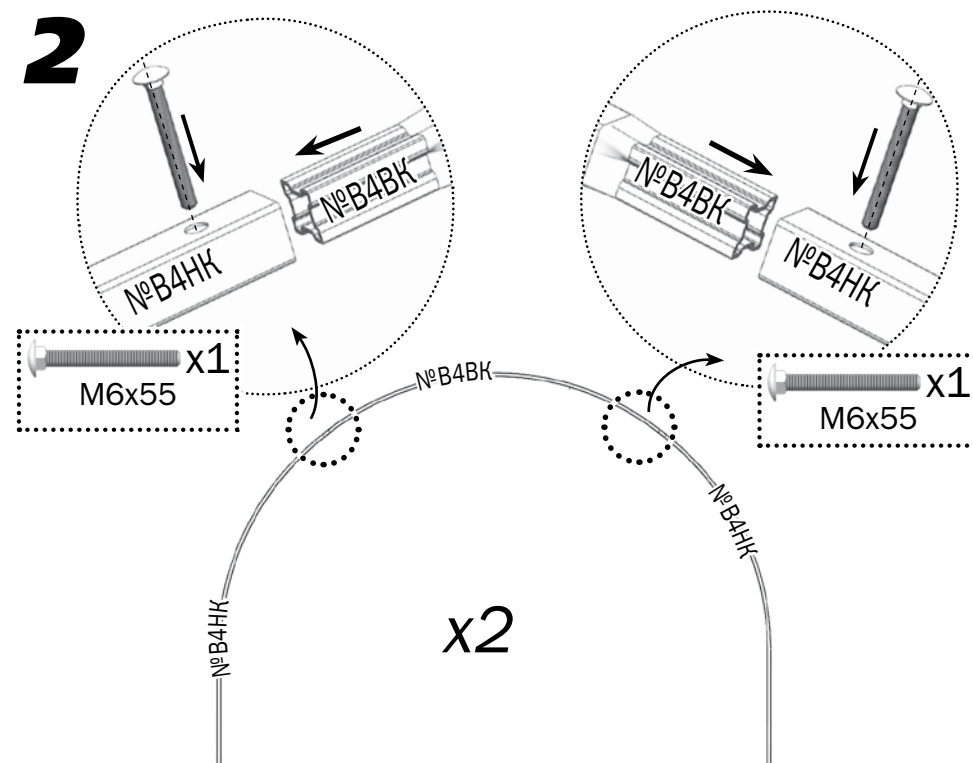
1 BOX INSERT

NºA2-1	Span L=6,88 ft (20x20)		x 5
Nº1-1	Leg L=0,98 ft (25x25)		x 4
NºB4B	Upper arc (25x25)		x 2
NºB4H	Lower arc (25x25)		x 4
Nº3	Support		x4
NºB13	Insertion (25x25)		x 4
Screw M6x55			x 14
Nut M6			x 14
Self tapper 4,2x16			x 12
Self tapper 4,8x25			x 28

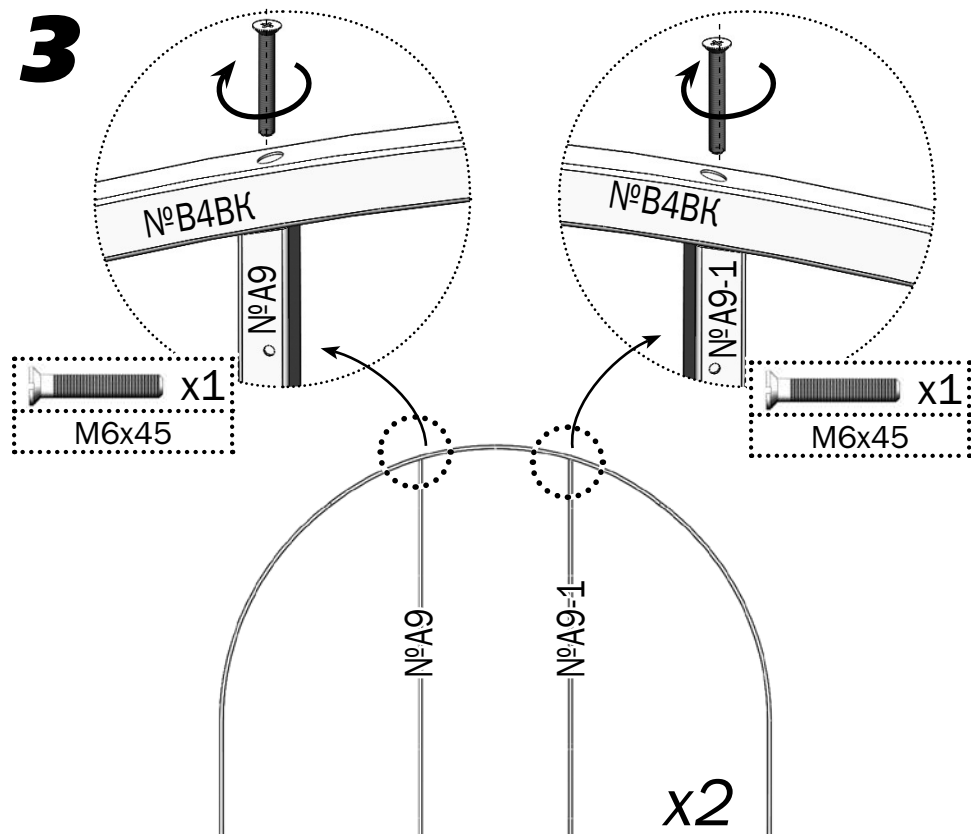
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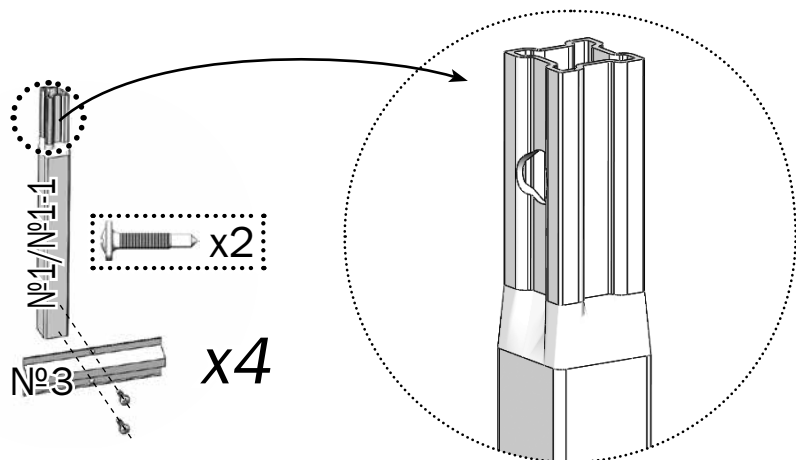
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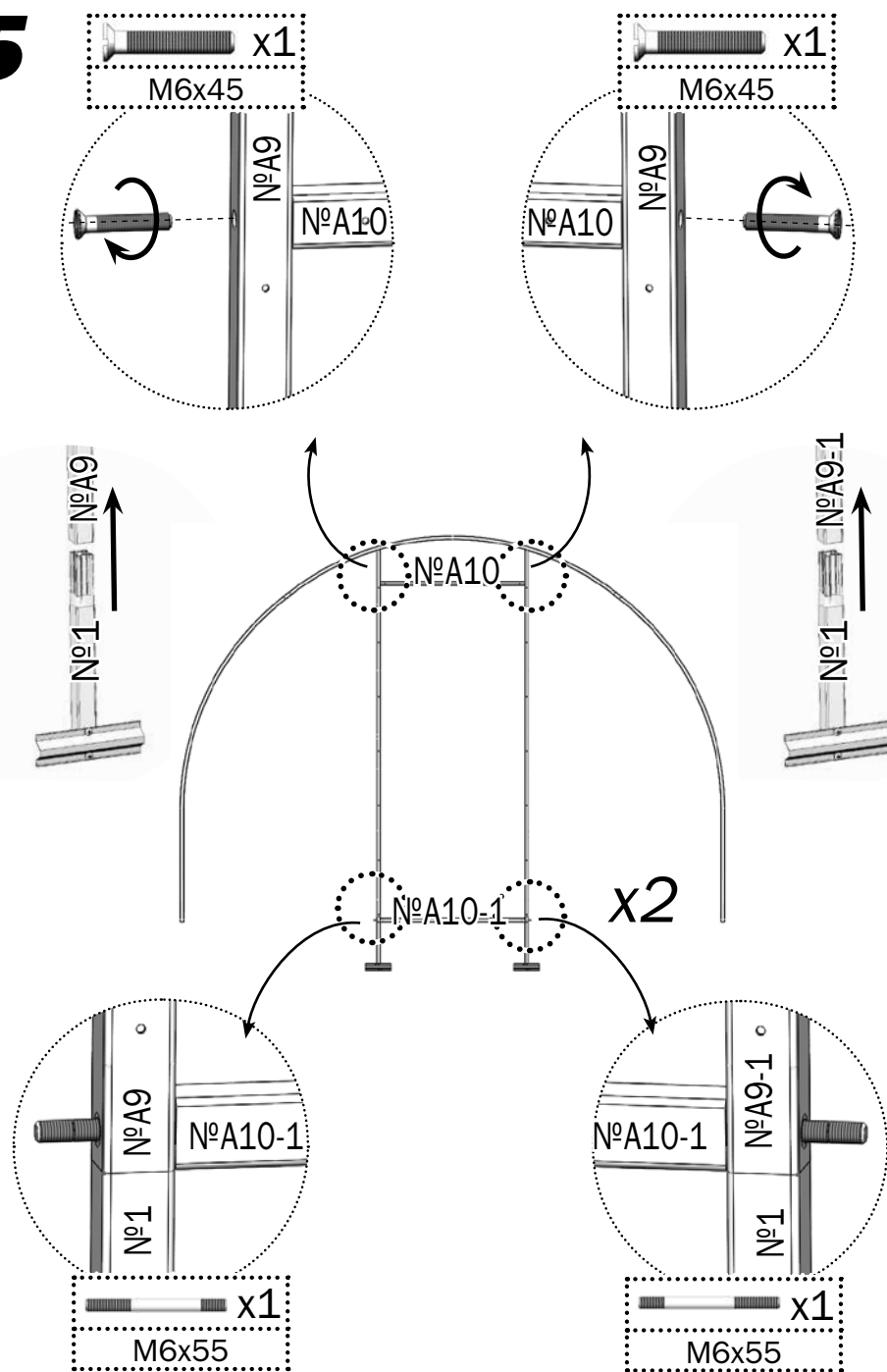
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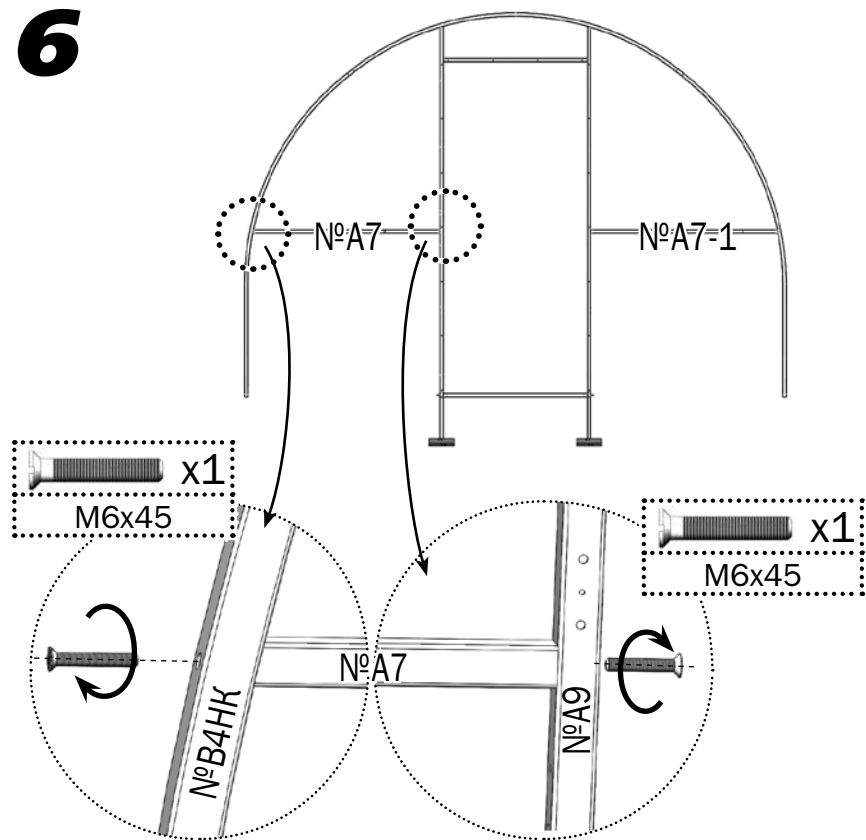
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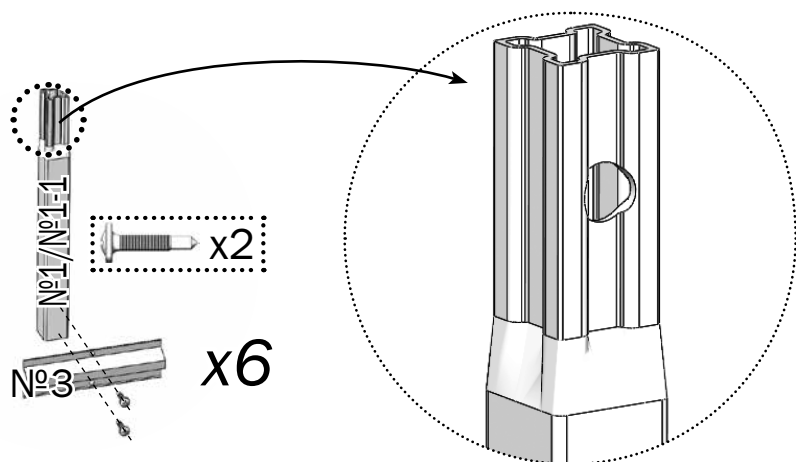
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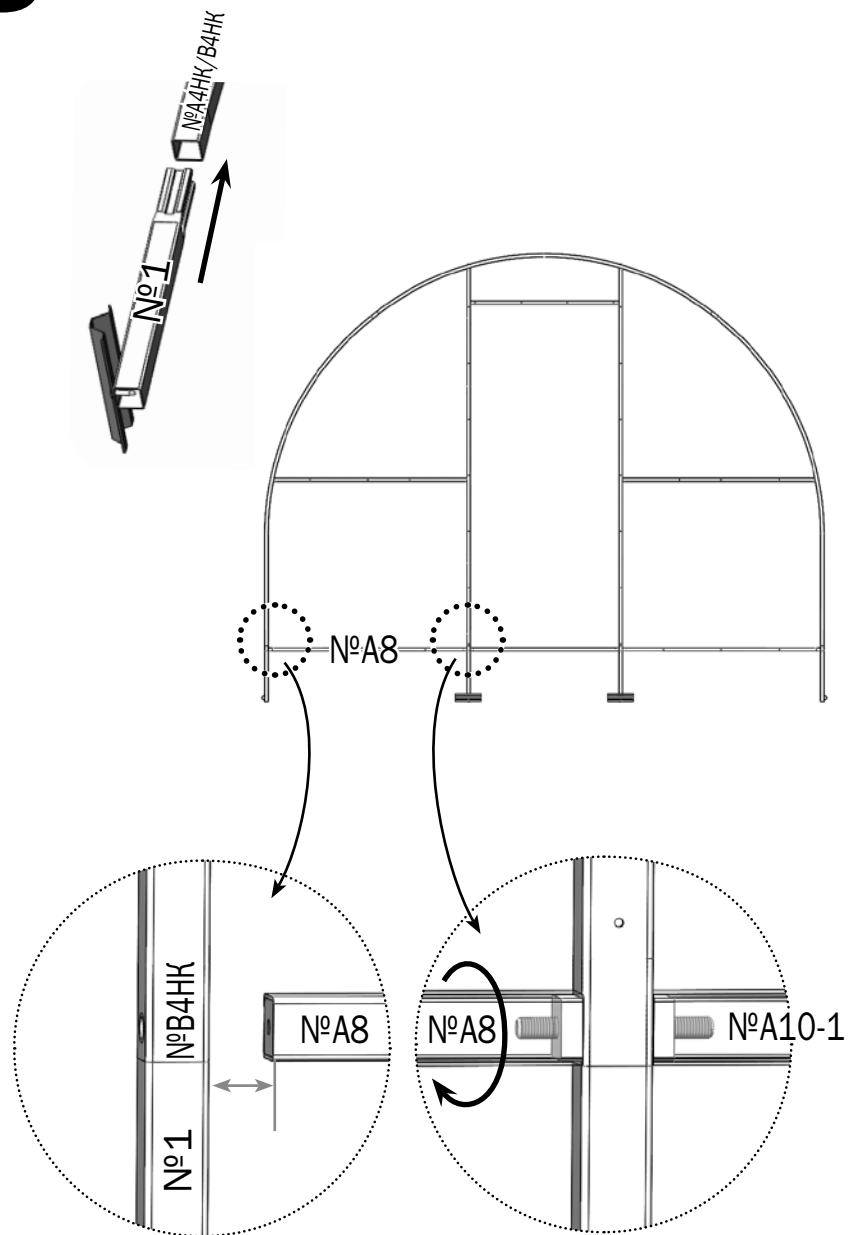
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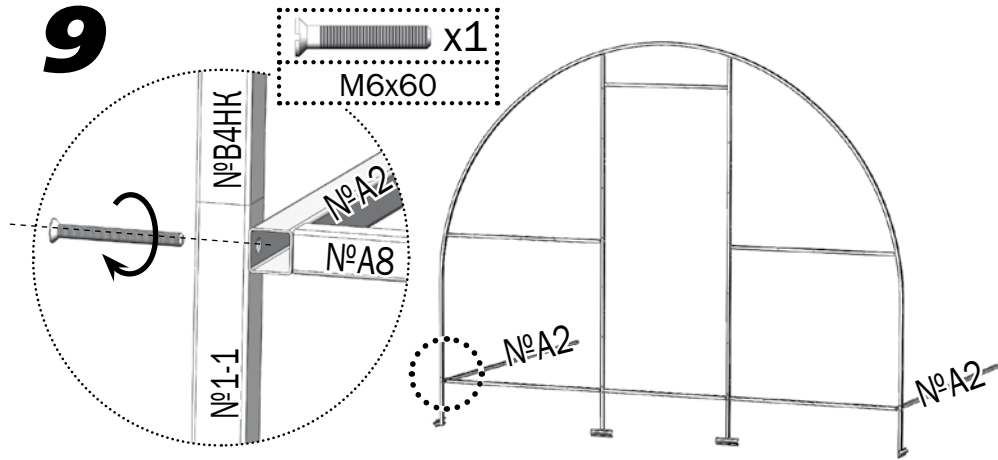
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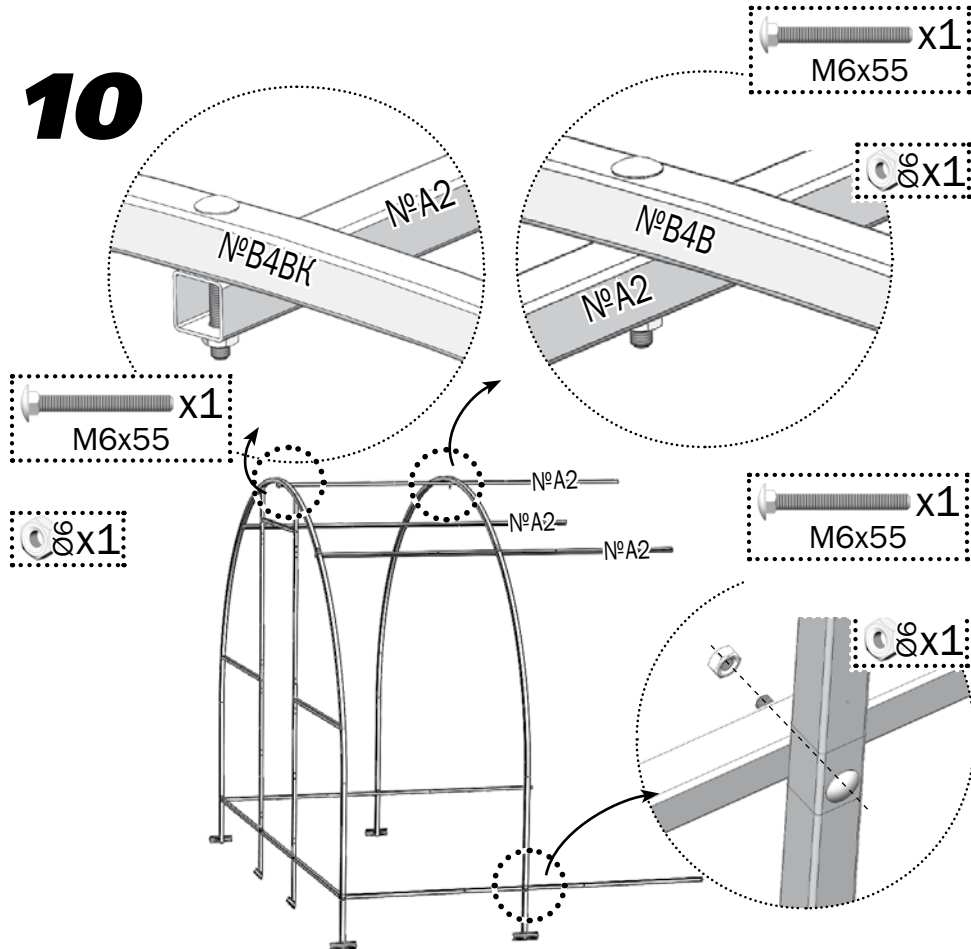
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9

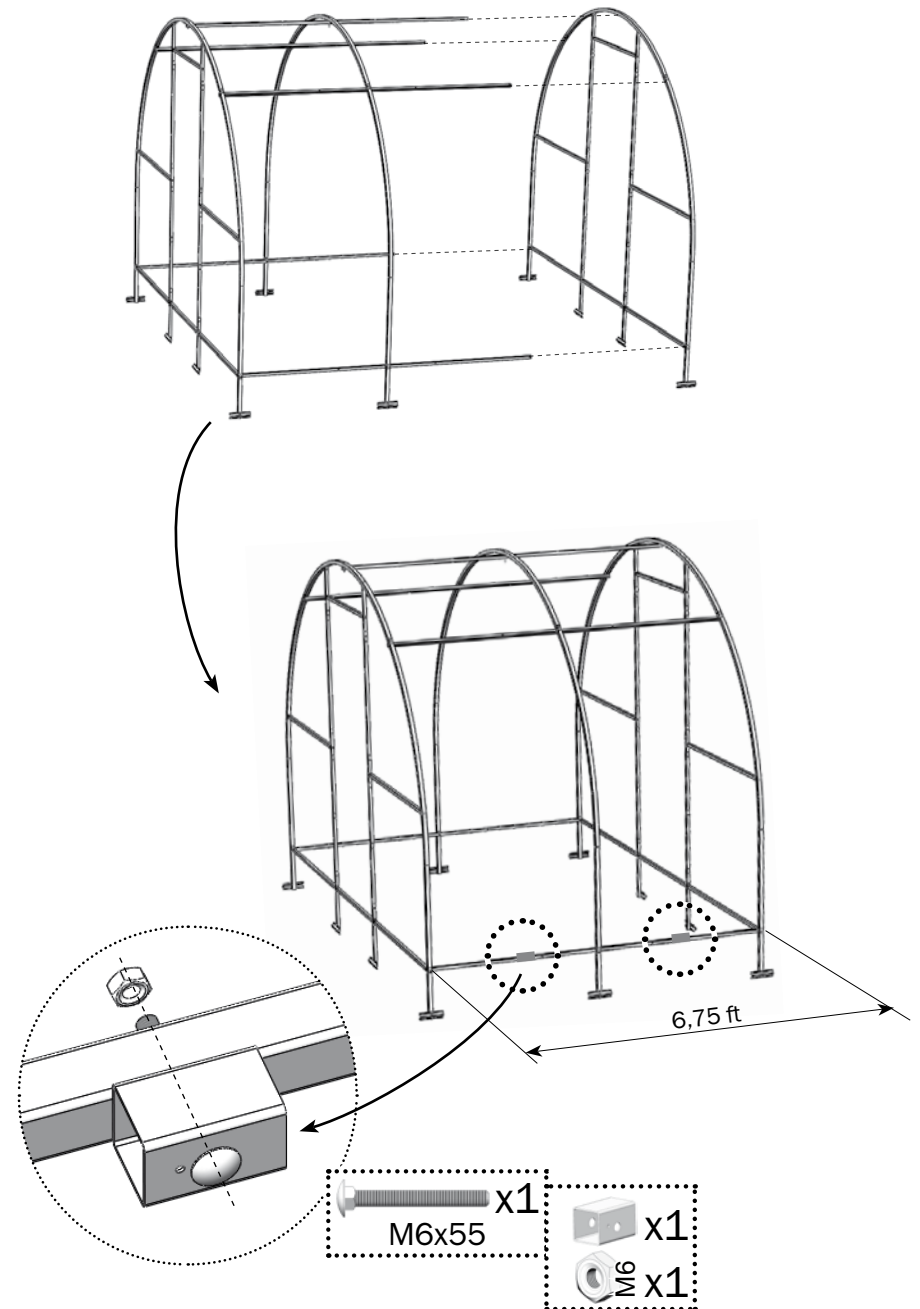


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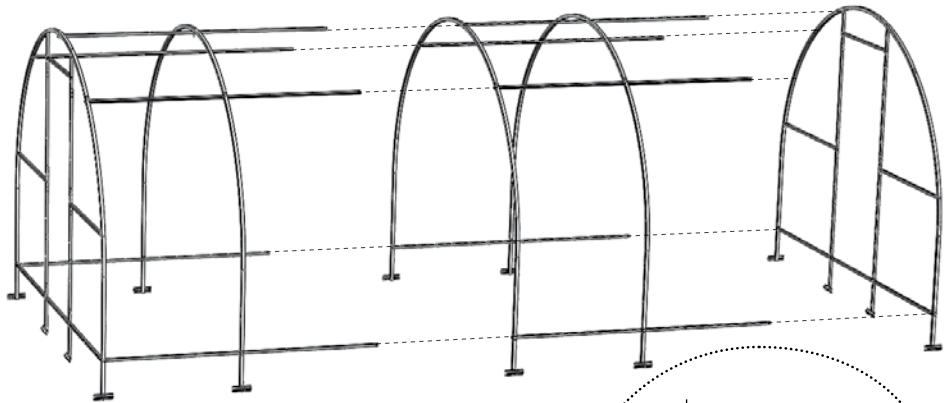


11

BASE

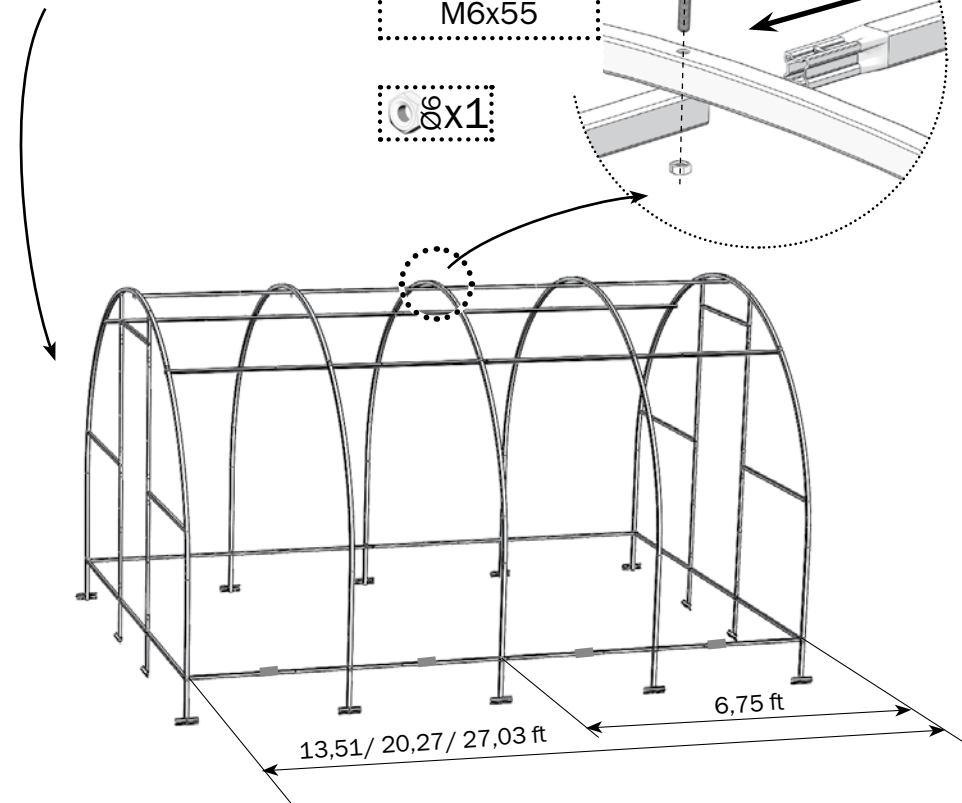
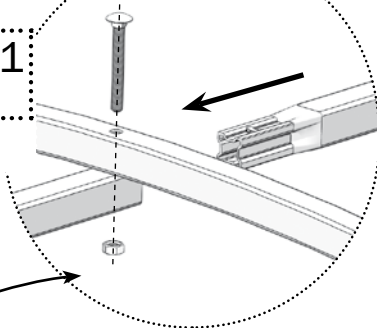


11-A BASE EXTENSION WITH INSERTS

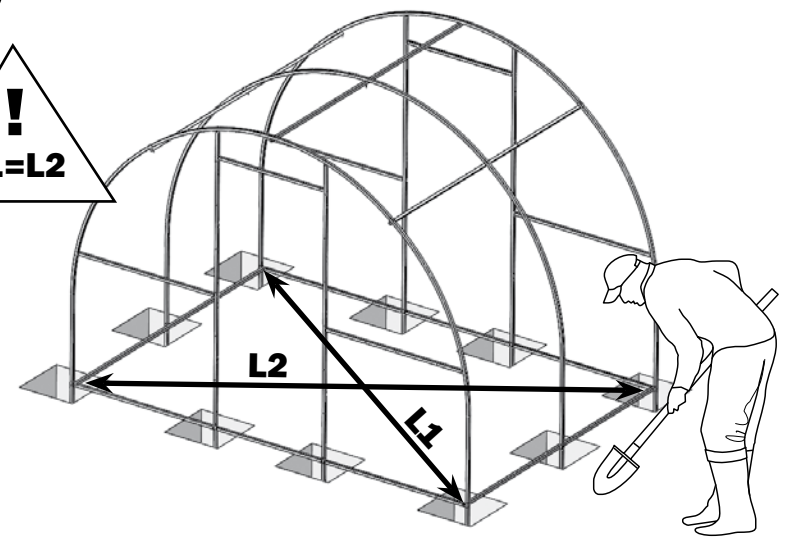


M6x55 x1

Øx1

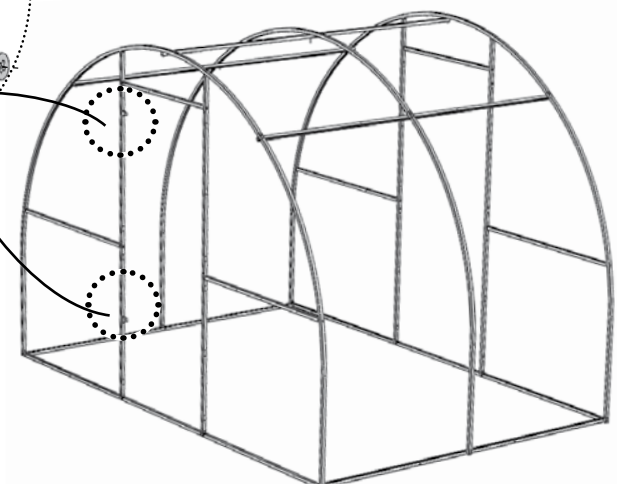
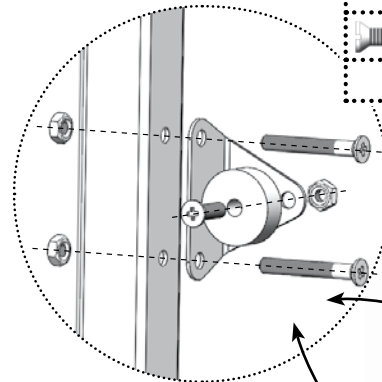


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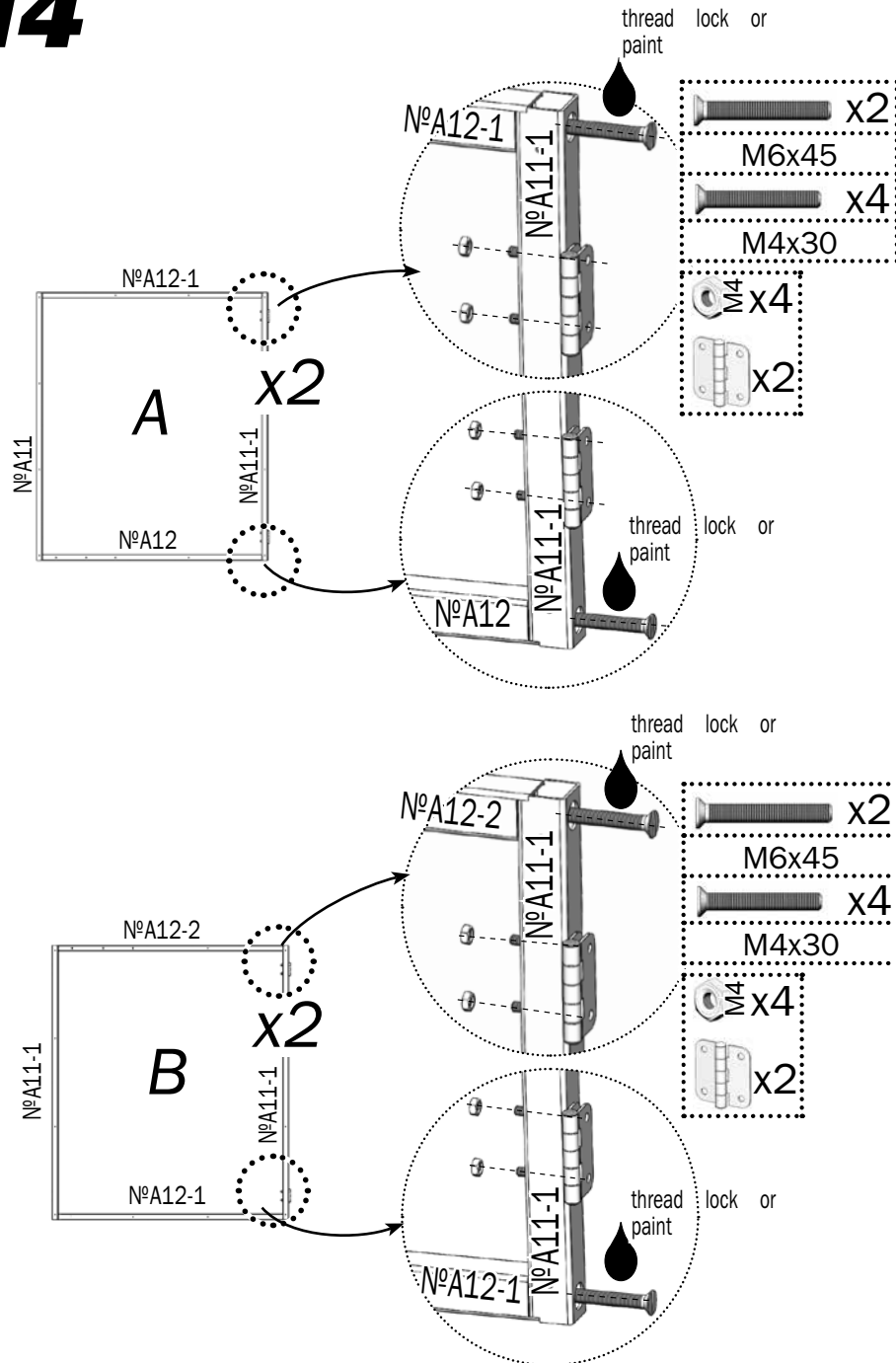


13

M4x30 x2	M4 x2	Øx1
M3x14 x1	M3 x1	Øx1



14

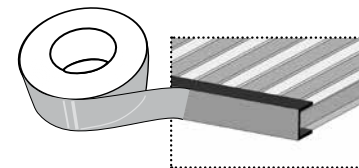


16

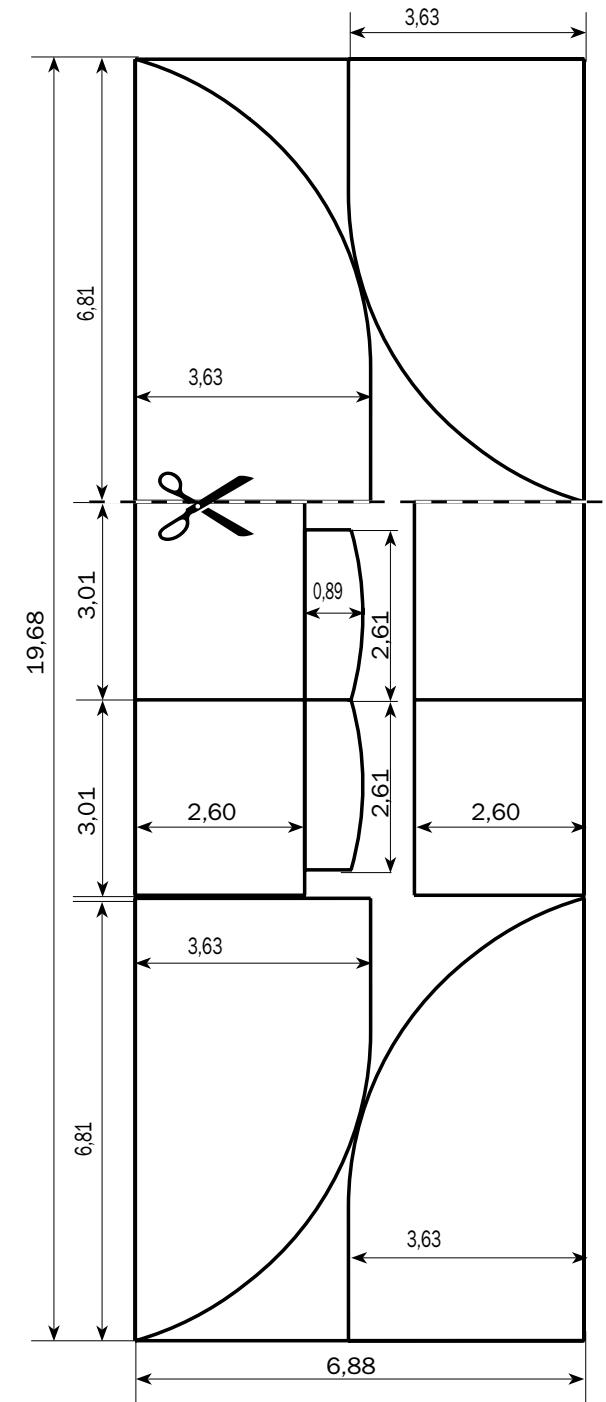
16



Cellular polycarbonate shall be installed strictly defined side out (towards the sun), which has a protective layer. The protective layer is usually at the side with the inscriptions on the transport film. The film on the other side of sheet is transparent. After marking the sheet, but prior to its cutting, make a mark on the protected side of the sheet for each piece: after removal of the transport film sheet sides are not visually different. The transport film is stripped from both sides immediately before fixing the cladding on the frame.

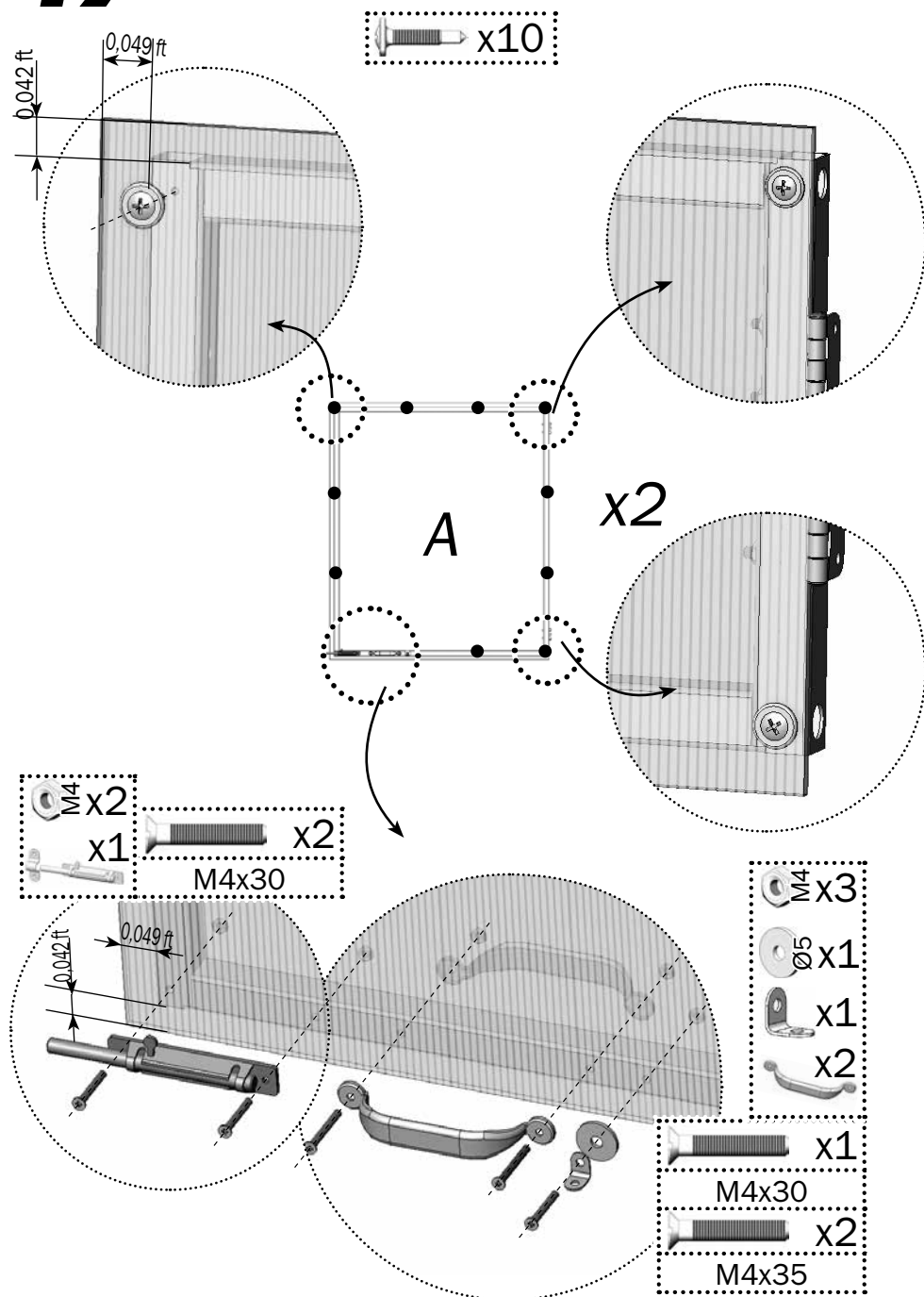


Polycarbonate edges with open cells shall be covered with a duct tape.

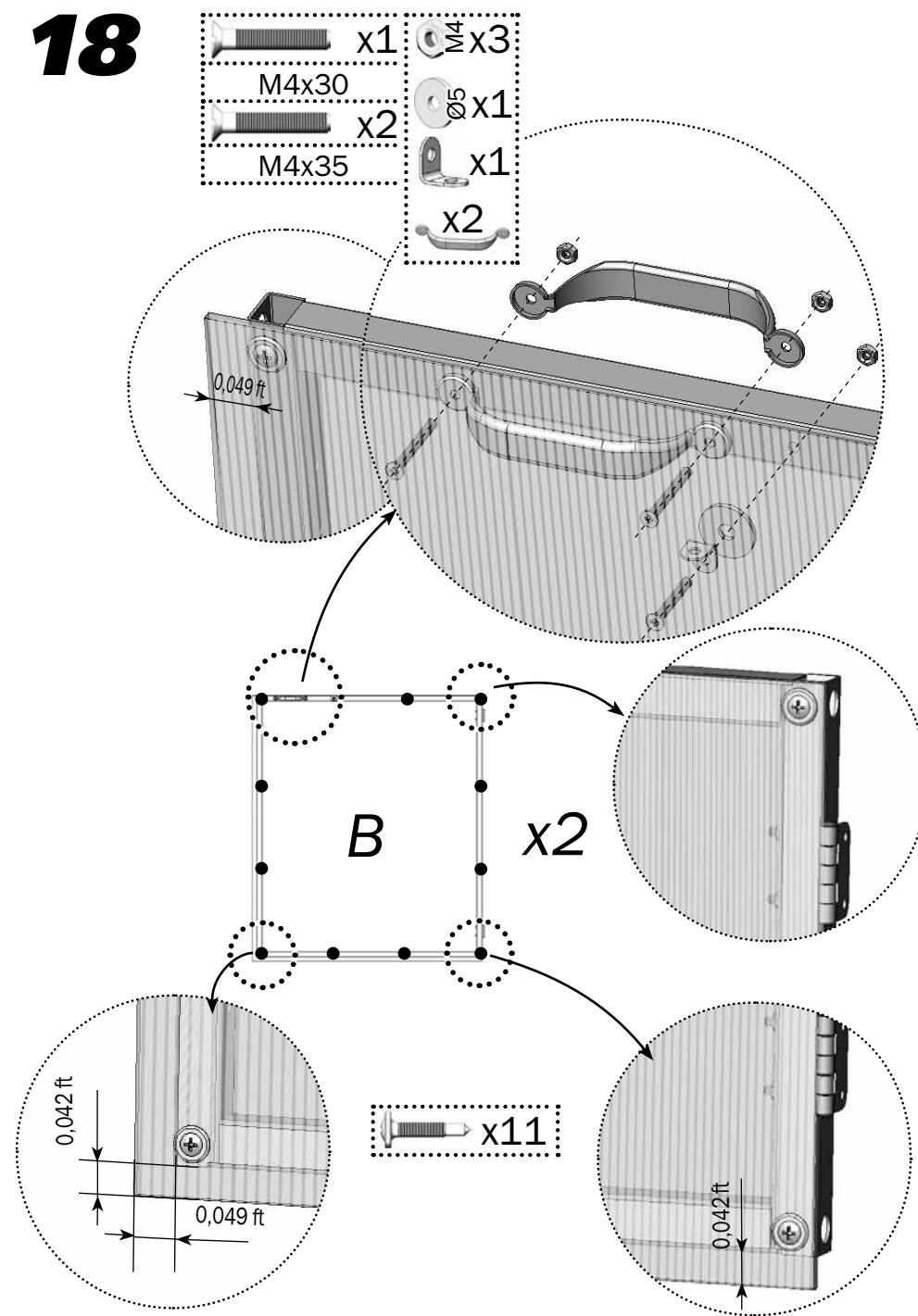


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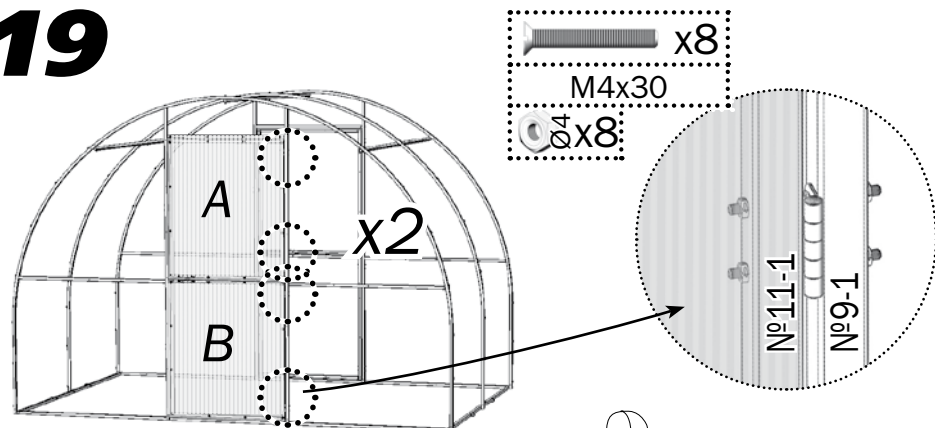
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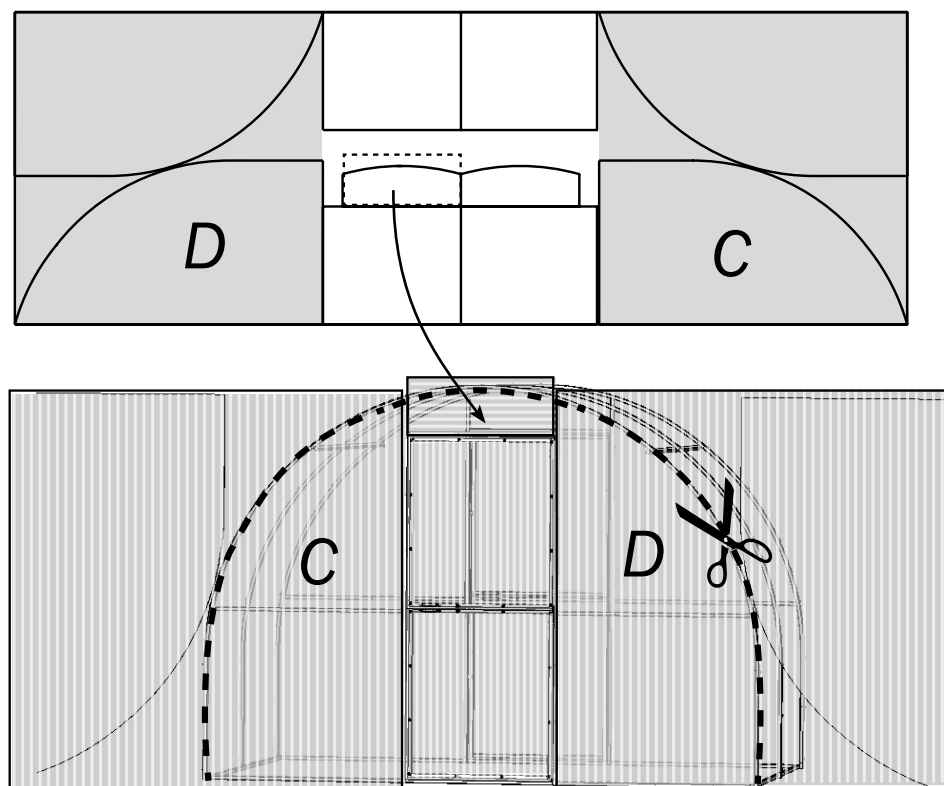
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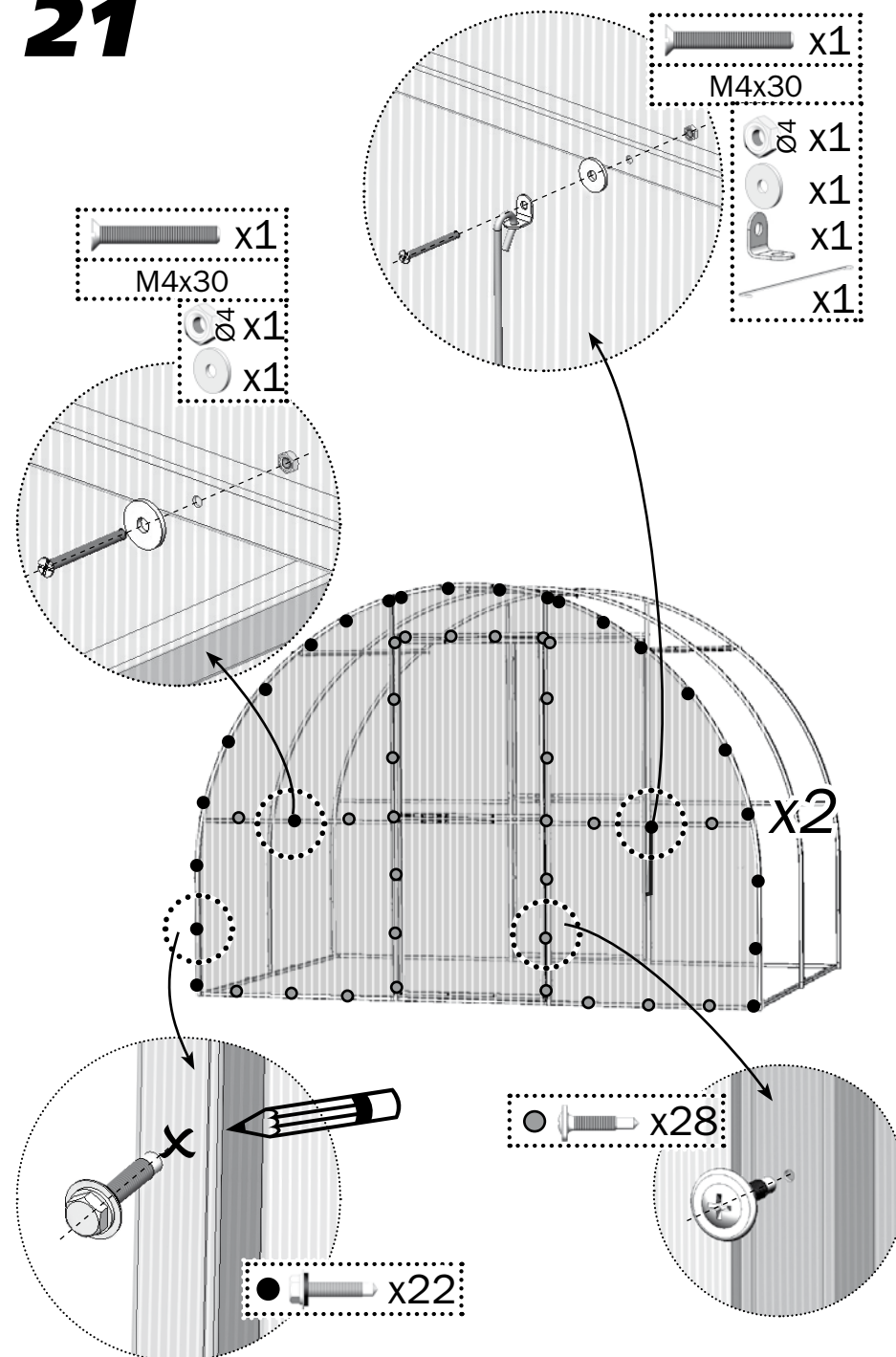
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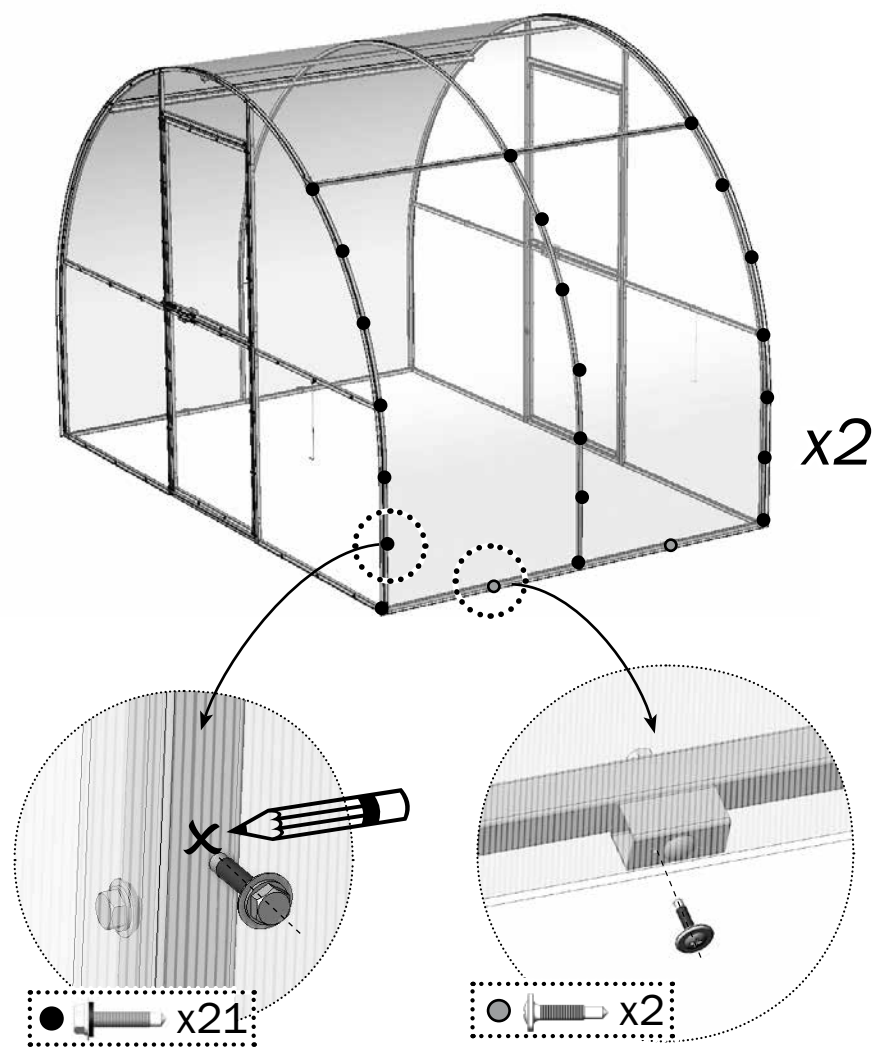


20



21







RVMG

EN