

TABLE OF CONTENTS

1. TECHNICAL DESCRIPTION	2
2. PACKAGE OF GREENHOUSE	3
General assembly instructions	4
3. ASSEMBLY STEPS OF GREENHOUSE	6
3.1 ARC REINFORCEMENT ASSEMBLY	6
3.2. ARC ASSEMBLY	7
3.3. DOORWAY ASSEMBLY	7
3.4. GREENHOUSE END ASSEMBLY	7
3.5. DOOR ASSEMBLY	10
3.6. VENT ASSEMBLY	10
3.7. COVERING GREENHOUSE END SIDE WALLS WITH POLYCARBONATE	11
3.8. POLYCARBONATE FASTENING TO DOORS AND VENTS	13
3.9 FASTENING DOOR AND VENT HINGES	14
3.10. POLYCARBONATE TOP FASTENING ON GREENHOUSE END	14
3.11. FASTENING LATCH FOR LOCKING DOORS AND VENTS	15
4. ASSEMBLY OF GREENHOUSE	15
5. COVERING TUNNEL IN CELLULAR POLYCARBONATE	17
6. INSTALLING GREENHOUSE FRAME IN TO THE GROUND	18
7. FASTENING HOOK AND EYE FOR LOCKING DOORS AND VENTS	18
8. GREENHOUSE 6m, 8m ASSEMBLY	18
9. REQUIREMENTS FOR CONDITIONS OF USE	19
10. WARRANTY	20

GREENHOUSE "Sotka-Ekonom" ASSEMBLY MANUAL

We thank you for purchasing our product. Our products are made of high quality parts and materials, the modern manufacturing method guarantees resistance to mechanic effects during the whole period of use with a conditions that instructions of the assembly manual and product care instruction were duly observed. We wish you good harvests and hope that our product fully satisfies your expectations.

Our products are protected with a hologram and packaging is marked with manufacturer's logos.

Attention!!! Beware of counterfeit products.

1. TECHNICAL DESCRIPTION

Greenhouses are manufactured in accordance with technical standards of Russian Federation No. 2.10.04-85 «Greenhouses and hothouses» and technical conditions No. TY 5262-001-61188124-2011, and are design for creating a microclimate for growth of vegetable and plant cultures in summer gardens and gardens in spring, summer and autumn seasons. The greenhouse can also be used in winter if a constant temperature above zero is ensured within the greenhouse.

The frame of the greenhouse is made of galvanized V-shaped profile, and it is assembled by use of bolts (m4x10, m4x14) and nuts. Cover - cellular polycarbonate. *Attention! Not included in the delivery set, to be purchased separately.* To cover a 4m long greenhouse three cellular polycarbonate sheets (2.1x6m) are required, to cover 6m long greenhouse four 2.1x6m polycarbonate sheets are required, 8 m - five 2.1x6m sheets. Cellular polycarbonate must be installed with a particular side (covered in a protective layer) on the outside. After cutting out the parts from the polycarbonate sheet, remove the packaging film before installing the parts on the frame. The cover is fastened to the greenhouse end frames by nuts (m4) and bolts (m4x14, m4x25) with galvanized washers, the top cover is fastened by use of pressure strainers. *Attention! The fastening system is designed for 4mm thick cover material.*

Greenhouse is equipped with two end frames with openable doors and vents with a single greenhouse frame support, PK-6 is equipped with two frame supports, PK-8 with three frame supports, etc. PK-4 is delivered in one package, PK-6 is delivered as base PK-4 package and PK+2m extension, PK-8 is made of PK-4 package and two PK+2m extensions.

Also it is possible to install additional greenhouse frame supports, upper openable arc vent (pic. 1), extend the frame length from 4m length to 6m, 8m etc. by use of PK+2m extensions and partition-support (pic. 2).

Attention! Purchased separately.



Picture 1



Picture 2

Greenhouse frame can be mounted on a wooden frame, recommended plank size is 50x150 mm (not included in the delivery package, to be made by the customer), and also by burying in the ground of frame supports included in the delivery package. Height of the greenhouse if dug into ground: 2.10 m; if installed on a wooden base: 2.25 m.

	PK-4	PK-6	PK-8
Length (m)	4	6	8
Width (m)	3	3	3
Height (m)	2.10	2.10	2.10
Frame weight no more than (kg)	50	70	90

Attention! The manufacturer retains all rights to make any amendments to the construction of the greenhouse without any prior notice to the consumer.

2. PACKAGE OF GREENHOUSE

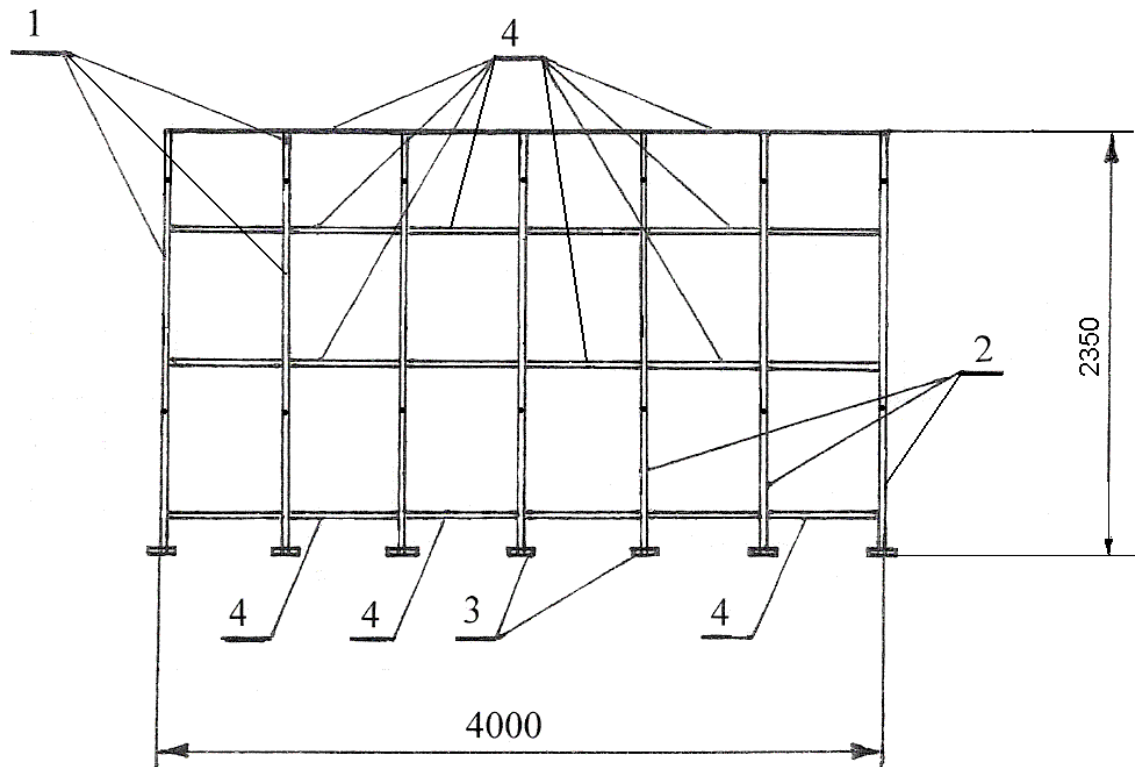
Unit No.	Name	Length (mm)	Qty. (pcs.)	
			PK-4	PK+2m
1	Arc profile	1610	21	9
2	Arc extension	755	14	6
3	Arc extension support	100	18	6
4	Stringer	2016	14	7
5	Door jamb	2145	4	—
6	Door jamb link beam	906	4	—
7	Middle greenhouse end crossbar	795	4	—
8	Lower greenhouse end crossbar	1004	4	—
9	Greenhouse end bracket	1510	4	—
10	Door post	1842	4	—
11	Door crossbar	845	8	—
12	Door bracket	993	4	—

13	Vent post	548	4	—
14	Vent crossbar	785	4	—
15	Vent bracket	896	2	—
16	Angle block	—	18	—
17	End cover fastening support bracket	—	10	—
18	Parts of arc support	1468	1	1
19	Parts of arc support	2088	2	2
20	Parts of arc support	400	2	2
21	A hook and eye for locking doors and vents	250	2	—
22	A latch for locking doors and vents	100	8	—
23	Fixing strap	5790	7	3
24	Short fixing strap	350	7	3
25	Door and vent hinges	—	8	—
26	bolt M4X10	—	374	70
27	bolt M4X14	—	126	22
28	bolt M4X25	—	52	—
29	bolt M4x35	—	7	3
30	Nut M4	—	585	120
31	Pressure strainer	—	120	—

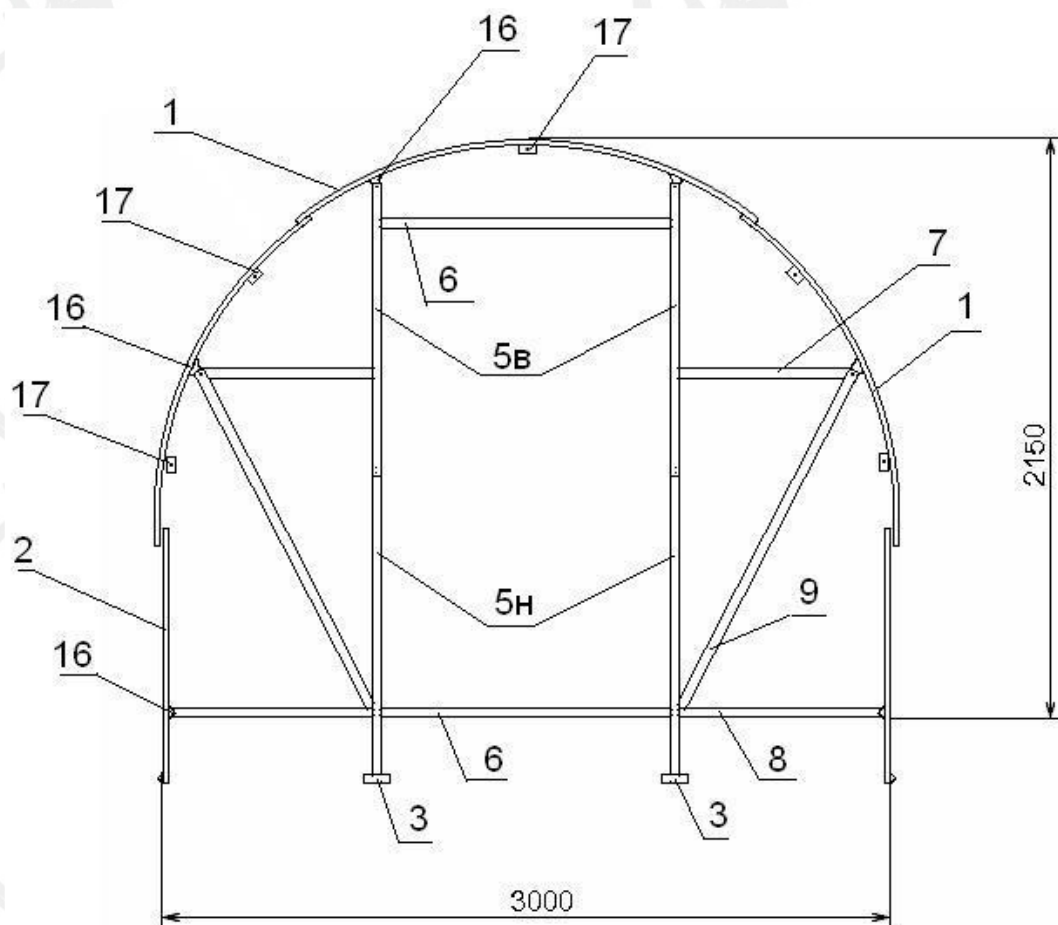
Note: Cellular polycarbonate cover is not included in the delivery package. There might be changes to the bolt set. Not all parts no.1,2, 3 and 4 may be marked, while only one item of each set is marked.

General assembly instructions

1. Greenhouse frame parts must be assembled in such a way that side shelves of the profile are turned towards the cover.
2. The position number indicated in the delivery list corresponds to the part number on the part in the pictures, and a corresponding marking is visible on parts in the package.
3. Parts are connected by attaching profiles and fixtures by use of bolts and nuts (pic.7-A, A1, B).
4. Angles No.16 and support brackets No.17 are fixed to the arcs in such a way that the inner corner of the angle is turned to the inside of the greenhouse.
5. Support brackets No.17 are designed for fastening the cover to the ends of the greenhouse.
6. Some parts may have unfilled holes - it is not a defect, but a consequence of parts unification.
7. During assembly be careful to avoid damaging parts, since the parts are lacking strength until final assembly.
8. You will require following to assemble the greenhouse: m7 wrench, battery powered bolt-driver or electric drill, bore m4, cross-head screwdriver or flat tip screwdriver, depending on screws, a sharp knife with an interchangeable blade, transparent Scotch tape, pliers, jigsaw or a saw with small teeth, 5m long or longer measuring tape, marker, extension cord, 1m long or longer ruler, stepladder.



Picture No 3

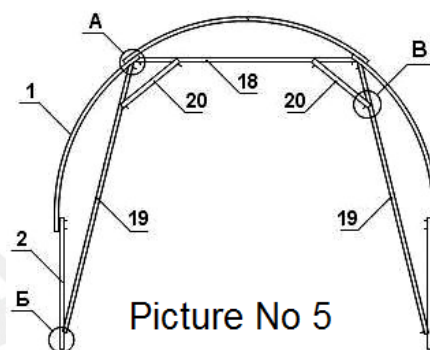


Picture No 4

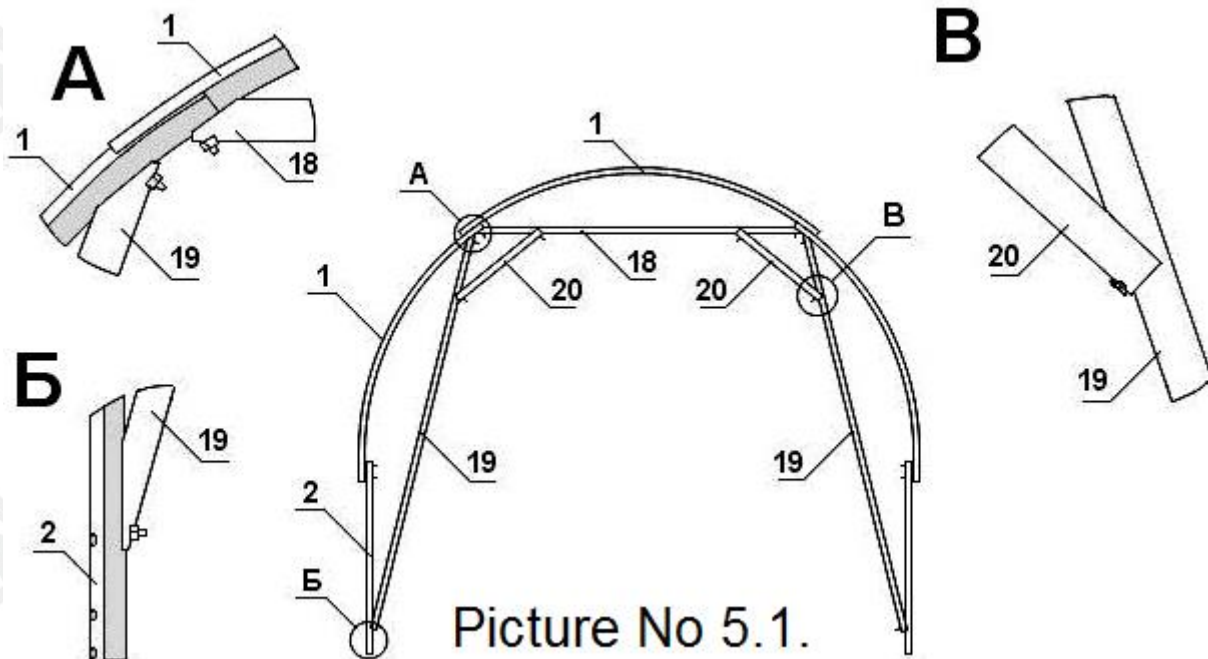
3. ORDER OF ASSEMBLY OF GREENHOUSE "Urozhai PK-4"

3.1 ARC SUPPORT ASSEMBLY

- 3.1.1. Take one arc profile No.1 and extend it from both sides by using arc profiles No.1, fix with m4x14 bolts by placing them on the inverted part of the profile (see pic. 6-A, A1).
- 3.1.2. Attach arc No.2 extension to the end of the arc, use bolts m4x14 (see pic. 6).
- 3.1.3. Attach arc support No.18 to this ark, by putting it on extended m4x14 bolts parts and fasten with nuts (see Pic.5.1-A).
- 3.1.4. Attach support part No.19 to the upper part of the arc by attaching it to m4x14 bolts, and attach lower part to the extension No.2 on bolts m4x14 (see pic. 5.1-A,Б).
- 3.1.5. Connect supports No.18 and No.19 of the upper side of the ark by a support No.20 (m4x14 bolt) from both sides.
Fixing bolts should be placed on the outer side of the profile (see Pic. 5.1-B).
- 3.1.6. Assemble arc supports of extension kit PK+2M for 6m, 8m, etc., greenhouses in a similar way.



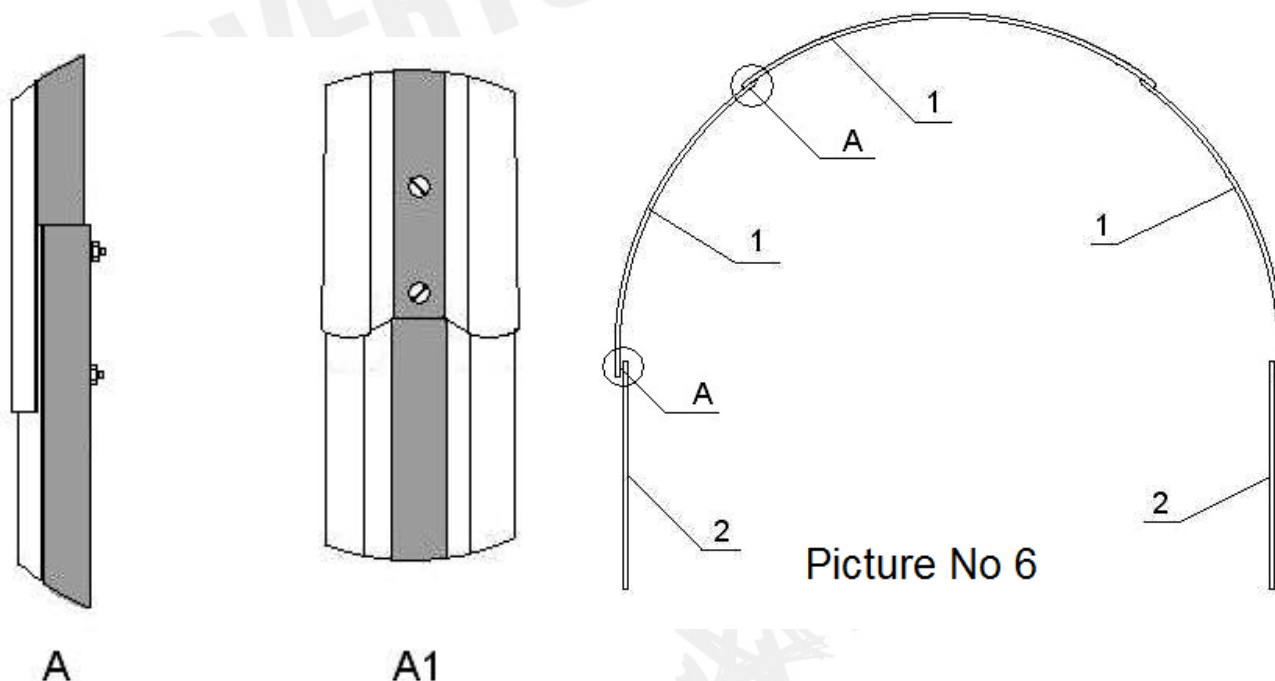
Picture No 5



Picture No 5.1.

3.2. ARC ASSEMBLY

- 3.2.1. Arc assembly is identical to steps described in 3.1.1 and 3.1.2 with use of M4x10 bolts (see. Pic. 6-A,A1).
- 3.2.2. Assemble arcs of the PK+2M greenhouse extension set in a same way as described in 3.2.1.



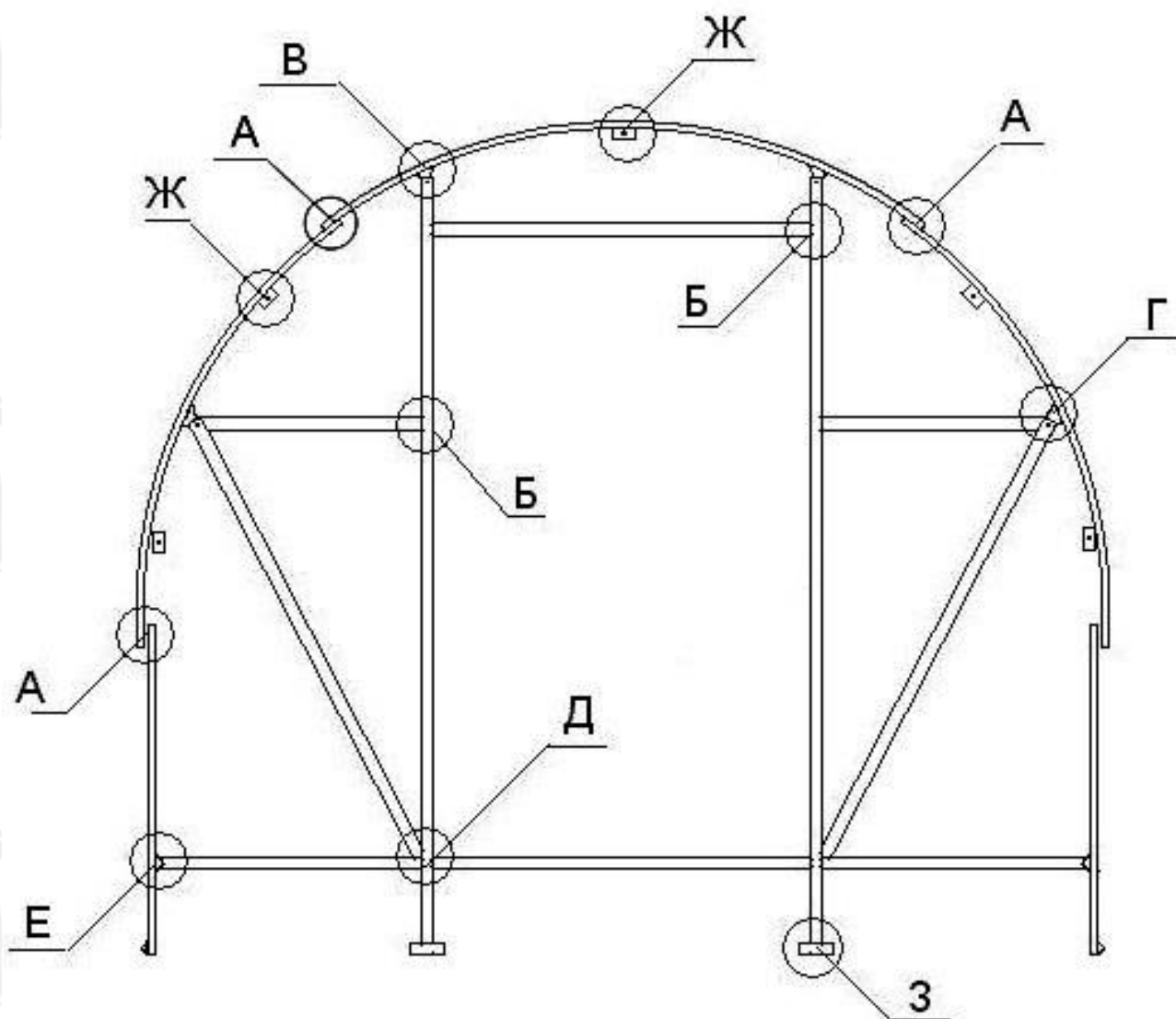
3.3. DOORWAY ASSEMBLY

- 3.3.1. Attach angle block N.16 to the upper side of the part No.5 (m4x10 bolt) (see Pic. 7-B).
- 3.3.2. Take two door jambs described in 3.3.1 and connect them by using two link beams No.6 (m4x10 bolt) (see. Pic. 4, 7-B).

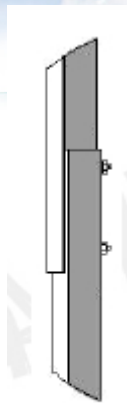
3.4. GREENHOUSE END ASSEMBLY

- 3.4.1. Take one assembled arc, described in 3.2., and attach support bracket No. 17 (use m4x10 bolt) to the centre of the upper part of the arc (see. Pic. 7-Ж).
- 3.4.2. Attach angle block No.16 together with the doorway described in 3.3.2 to the arc part described in 3.4.1 and place the doorway at the centre of the support bracket No. 17 (see Pic. 7-B).
- 3.4.3. Connect the angle block No.16 to the crossbar of the lower greenhouse end No.8 by using a single m4x10 bolt (see Pic. 7-E).
- 3.4.4. Attach the free end of the crossbar of the lower greenhouse end part No.8 to the doorway described in 3.4.2 across the lower crossbar No.6 by using two m4x10 bolts (see Pic. 7-Д).
- 3.4.5. Attach angle block No.16 described in 3.4.3 to the arc part by using two m4x10 bolts (see Pic.7-E).
- 3.4.6. As described in 3.4.3-3.4.5, attach the doorway to the arc part from the other side.
- 3.4.7. Attach angle block No.16 (m4x10 bolt) to the greenhouse end bracket No.9.
- 3.4.8. Attach middle greenhouse end crossbar No.7 to the greenhouse end bracket No.9 from the side of angle block No.16 (see. pic. 7-Г).

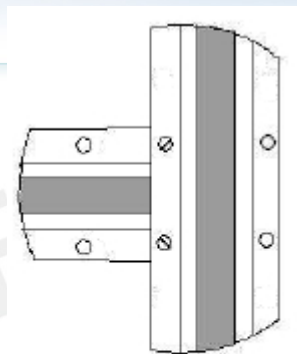
- 3.4.9. Attach the free end of the bracket No.9 to the doorway attachment spot to the lower greenhouse end crossbar No.8 (see Pic. 7-Д).
- 3.4.10. Attach the free end of the middle crossbar No.7 to the doorway (pic. 7-Б).
- 3.4.11. Attach angle block No.16 described in 3.4.7 to the arc part (see pic. 7-Г).
- 3.4.12. Attach bracket No.9 and middle crossbar No.7 from the other side of the doorway as described in 3.4.7.-3.4.11.
- 3.4.13. Install 4 support brackets No.17 in the empty openings of the arc (see pic. 7-Ж).
- 3.4.14. Assemble the second end of the greenhouse as described 3.3.1. – 3.4.13.



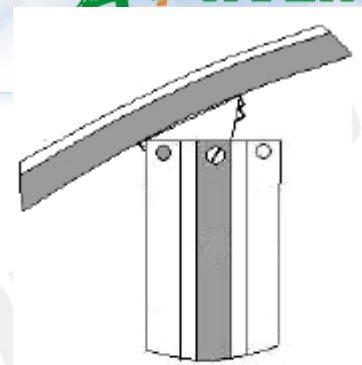
Picture No 7



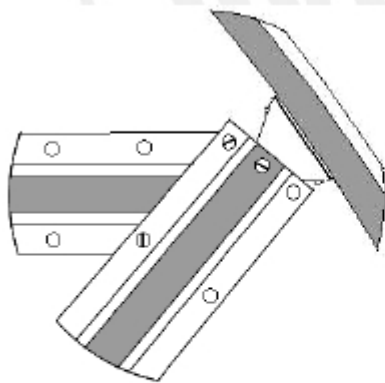
A



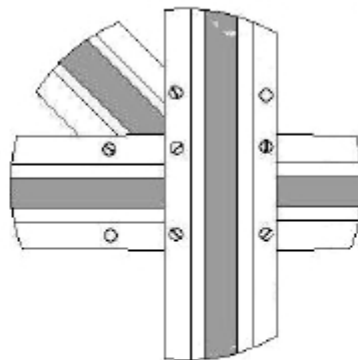
Б



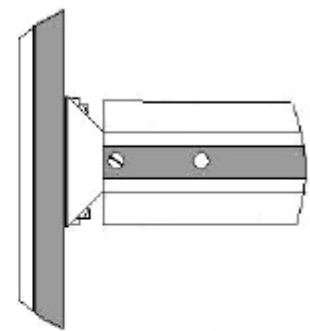
В



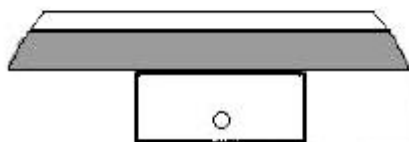
Г



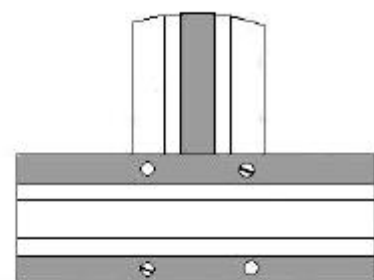
Д



Е



Ж



3

Picture No 7

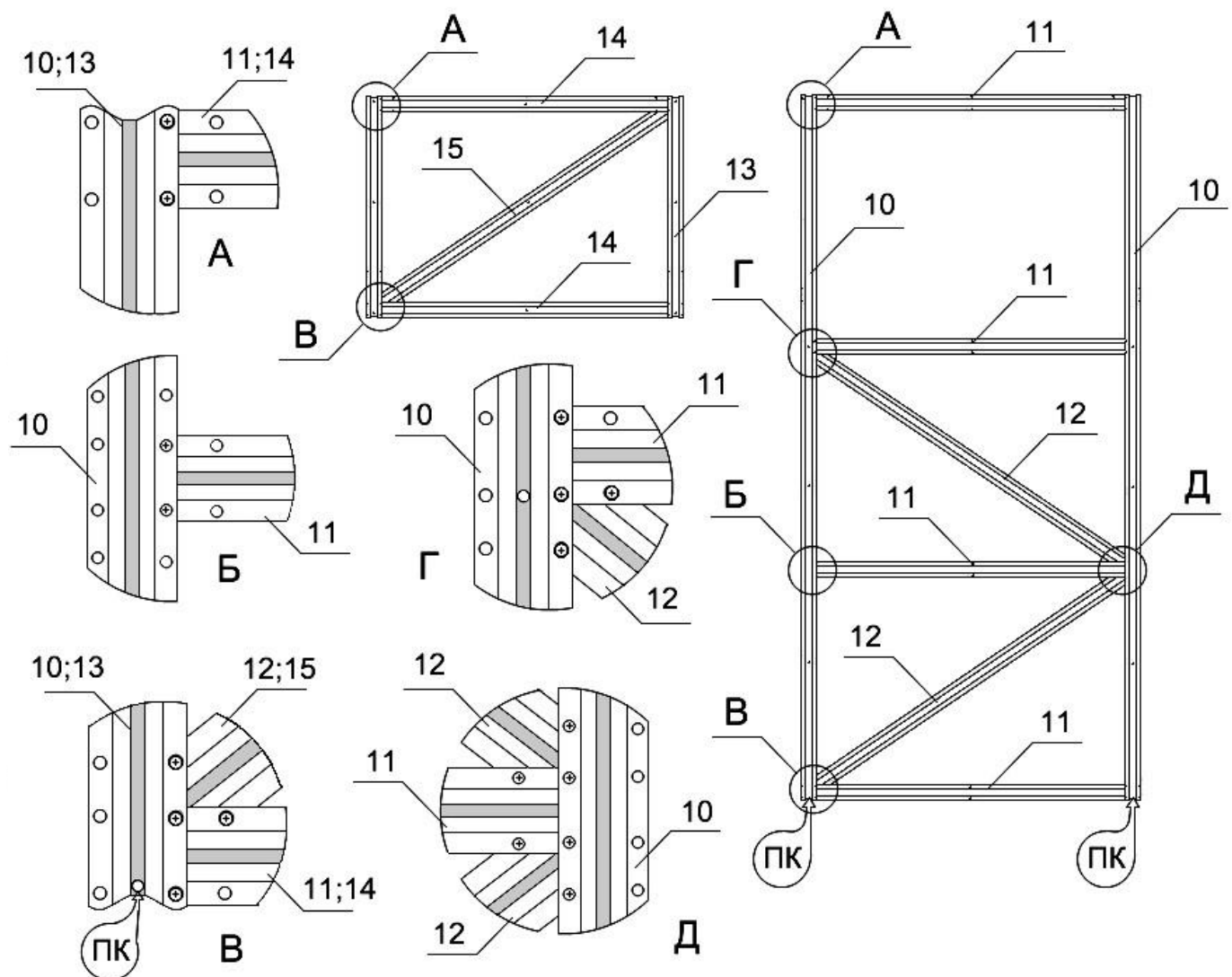
3.5. DOOR ASSEMBLY

3.5.1. Connect door jambs No.10 with four door crossbars No.11 (bolt m4x10) (see pic. 8-A, Б).

Attention! Door jambs No.10 must be assembled with lower part pointing down. Lower part of door jambs No. 10 has openings for fastening polycarbonate (see pic. 8-B).

3.5.2. Attach door brackets No.12 to the door jamb and crossbar No.11 connection nodes (see pic. 8-B, Г, Д).

3.5.3. Assemble the second door in the same way.



Picture No 8

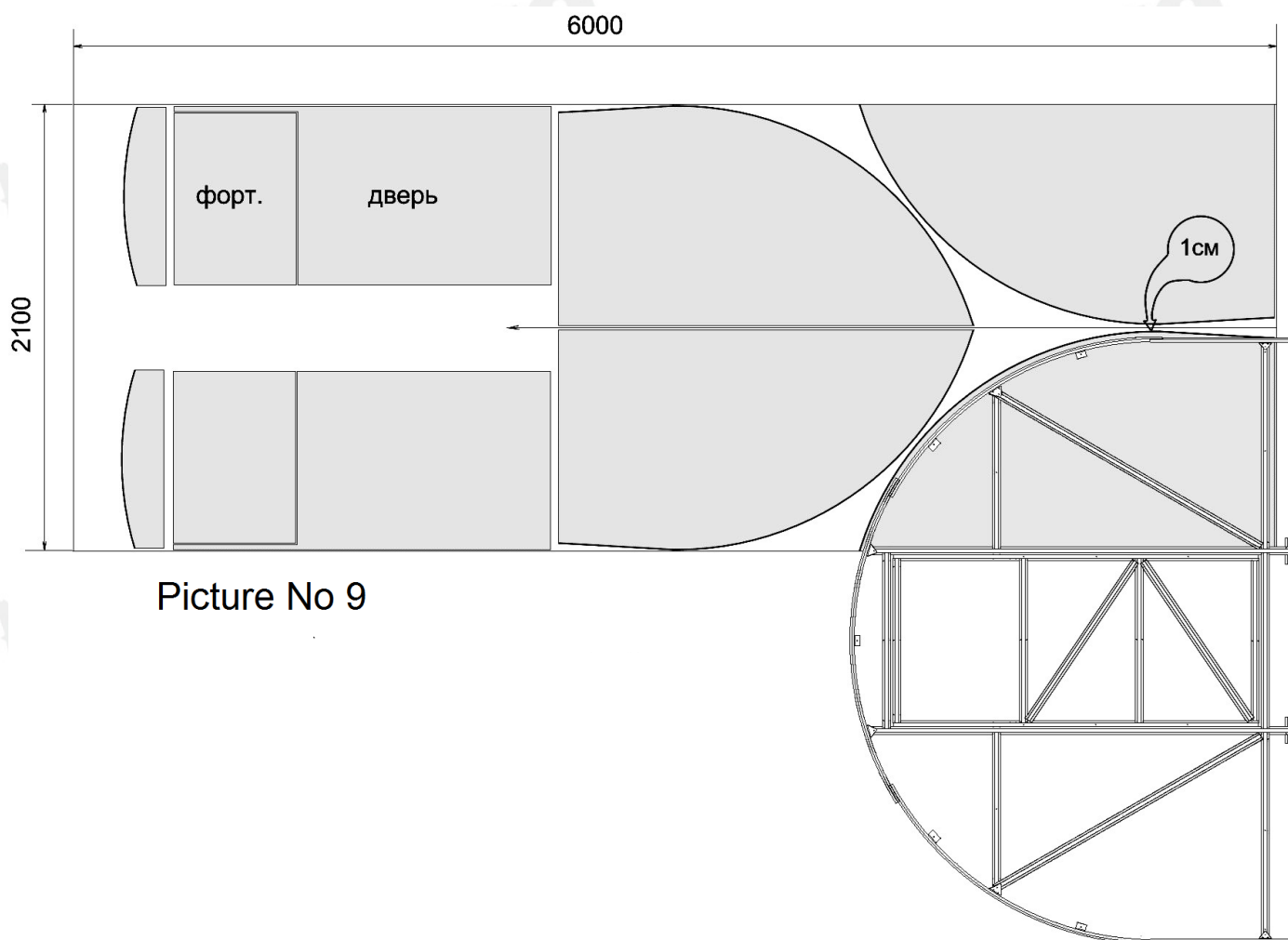
3.6. VENT ASSEMBLY

3.6.1. Connect two vent door jambs No.13 with two vent crossbars No.14 (bolt m4x10) (see pic. 8-A).

3.6.2. Place the vent bracket No.15 (bolt m4x10) in connection node of parts No.13 and No.14 (see pic. 8-B).

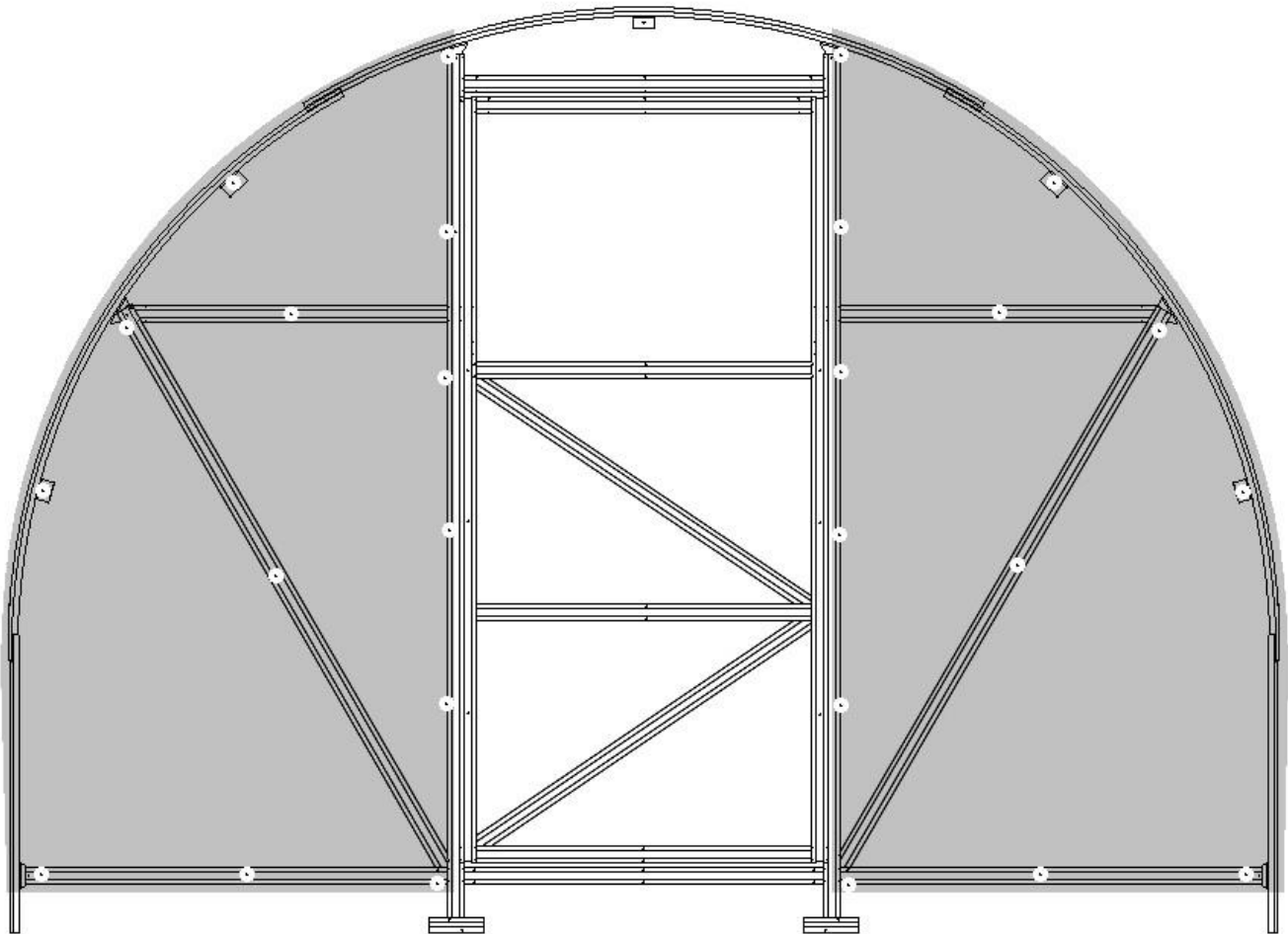
3.7. COVERING GREENHOUSE END SIDE WALLS WITH POLYCARBONATE

- 3.7.1. Place a 2.1x6m polycarbonate sheet on a flat area. With a marker draw an approximately 3.60 m long line along the middle of the polycarbonate sheet (see pic.9).
- 3.7.2. Place the frame of the greenhouse end on a flat, level area. Place the door in the door frame and temporarily fix the door to the greenhouse end by placing one m4x10 bolt at every opening for hinge attachment. Place the greenhouse end frame with the door on the polycarbonate sheet in such a way that the centre of the door jamb No.5 would be located at the side of the polycarbonate sheet, and the end of the cover should be about 2 cm below the lower crossbar No.8.
- 3.7.3. Draw one side part on the polycarbonate sheet while using the frame of the greenhouse end as a stencil. *Attention! To ensure that the upper cover of the greenhouse fits tightly to the greenhouse end, make a 3-4mm over-measure with a marker along the radius, and make a 1cm over-measure at the interconnection spot of parts No.1 and No.2.*



Picture No 9

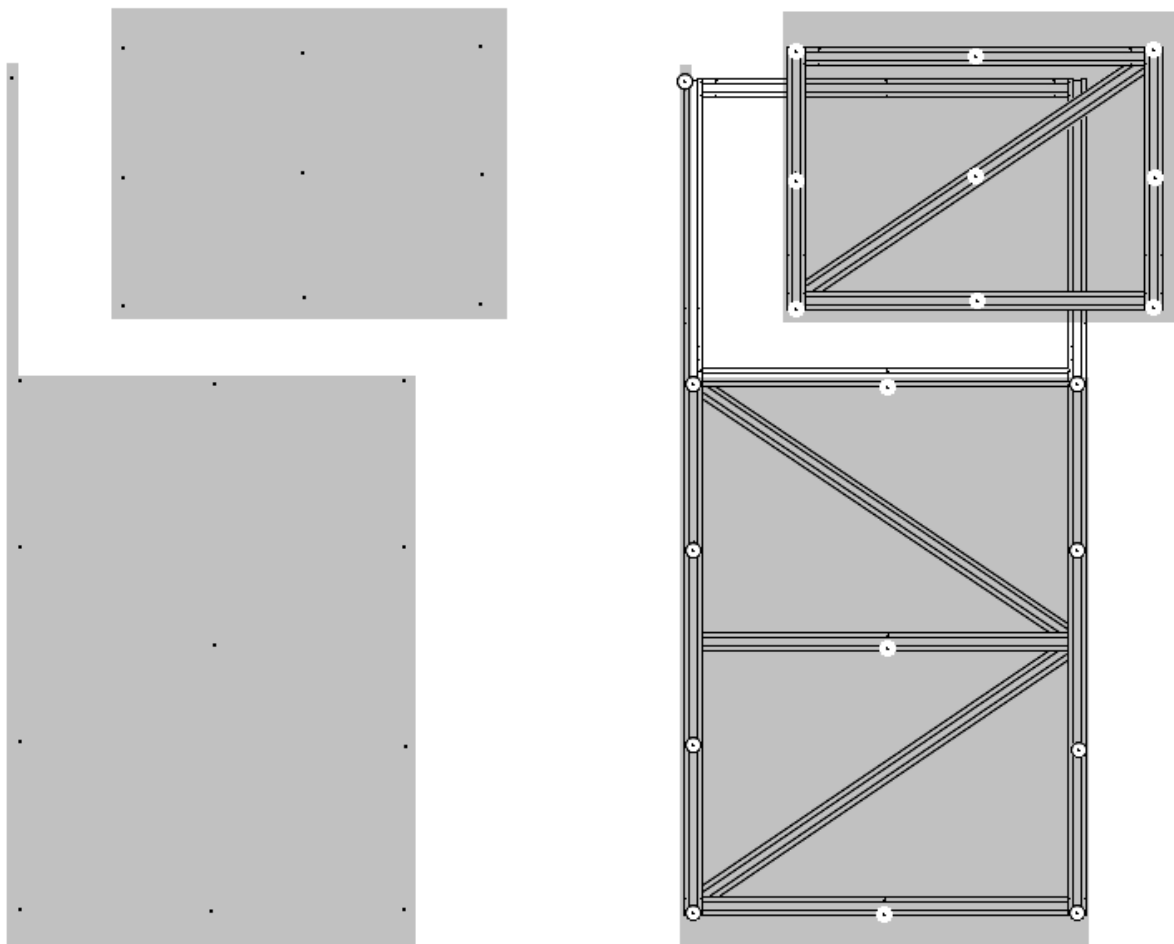
- 3.7.4. Remove the frame from the polycarbonate sheet. Use a sharp knife, scissors or jigsaw and carefully cut out the drawn side part from the polycarbonate sheet. Place the cut out polycarbonate part on the greenhouse end and see how precise is the cut, make changes if necessary.
- 3.7.5. Take the cut out polycarbonate part and use it as a stencil to draw remaining three parts on the polycarbonate sheet (see pic. 9). Carefully cut out the remaining three side parts from the polycarbonate sheet.
- 3.7.6. Take one side part of the greenhouse end side cover. Remove the protective film from both sides of the polycarbonate part, and mark the outer side with a marker. Protect polycarbonate cells from dirt.
- 3.7.7. Place the greenhouse end frame with the door attached on a level area and then place the side cover part on top of it. Straighten the polycarbonate part along the greenhouse end and mark the fastening locations with a marker.
- 3.7.8. Use m4 drill to drill holes in the covers in marked spots and attach the side part to the greenhouse end on m4x14 and m4x25 bolts with galvanized pressure strainers (see pic.10).
- 3.7.9. Attach the cover from the other side of the greenhouse end as described in. 3.7.6-3.7.8, and attach it to the other greenhouse end the same way.



Picture No 10

3.8. POLYCARBONATE FASTENING TO DOORS AND VENTS

- 3.8.1. Use measuring tape to measure the distance between side parts of the cover and distance from the middle of the upper crossbar No.6 of the doorway to the middle of the lower crossbar No.6 of the doorway. *Attention! This measure is necessary if the greenhouse is to be dug in the ground.*
- 3.8.2. If the greenhouse frame is to be mounted on a wooden frame, it is necessary to measure the distance from the middle of the upper crossbar No.6 of the doorway to the ends of the side covers.
- 3.8.3. Mark the measured distances on the remaining polycarbonate sheet and carefully cut the cover part with a sharp knife.



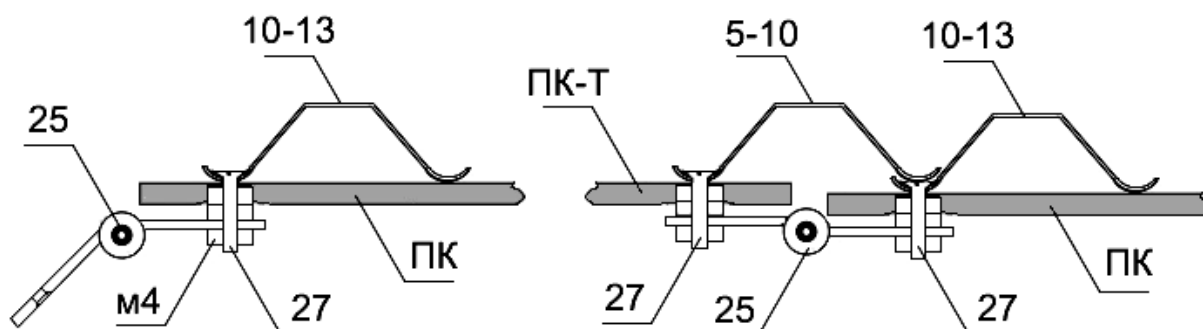
Picture No 11

- 3.8.4. Place the vent in the vent frame and temporarily fix the vent to the door by placing one m4x10 bolt at every opening for hinge attachment.
- 3.8.5. Place the cut out polycarbonate rectangle door covers on the door frame, between the side covers. Mark the areas on the cover in places where the cover is attached to the door and vent, and draw lines for cutting out vent. Drill holes in marked spots and cut out vent as indicated in the picture No. 11.

- 3.8.6. Remove protective film from the parts, mark the outer side of the cover, and protect polycarbonate cells from dirt.
- 3.8.7. Remove the vent from the door, and remove door from the greenhouse end frame, and attach the cover parts to vent and door (see pic.11).
- 3.8.8. Attach polycarbonate to the second door and vent as described in 3.8.1-3.8.7.

3.9 ATTACHING DOOR AND VENT HINGES

- 3.9.1. Drill holes in polycarbonate at the hinge attachment spots. Install a m4x14 bolt from the side of the profile and fasten by an m4 nut from the side of the polycarbonate in such a way that the nut sinks into the cover. If necessary, bolt another nut on the bolt to avoid damaging polycarbonate while attaching hinges.
- 3.9.2. Put the door and vent hinges on the extended bolts and tighten with bolts (see pic.12).



Picture No 12

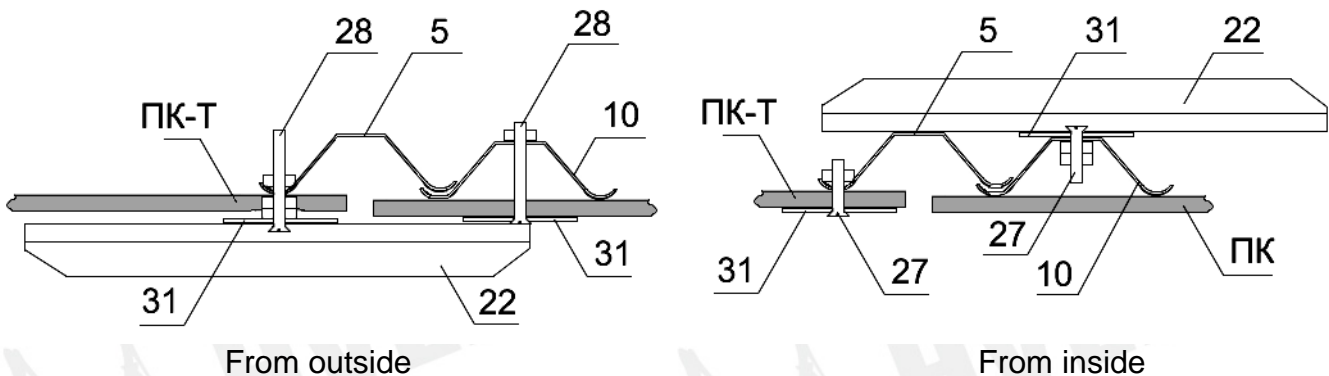
3.10. POLYCARBONATE TOP FASTENING ON GREENHOUSE END

- 3.10.1. After attaching doors and vents to the frame by hinges, measure the distance between side covers of the greenhouse end and the distance between the vent cover and upper side of the arc (arc No.1 with support bracket No.17). Create a measuring allowance of 3-4 mm to ensure tight fit of the upper cover to the greenhouse tunnel.
- 3.10.2. Use the measures to cut out a square from the remainders of the 6m polycarbonate sheet. Place the square on to the upper port of the greenhouse end. Use marker to mark holes for fastening and mark a greenhouse radius along the arc No.1.
- 3.10.3. Drill holes in the marked spots and cut the part along the marked radius. Remove protective film from the parts, mark the outer side of the cover, and protect polycarbonate cells from dirt.
- 3.10.4. Attach upper cover to the greenhouse end with m4x14 bolts with galvanized pressure strainers No.31.
- 3.10.5. Attach the upper cover part to the second greenhouse end the same way.

3.11. FASTENING LATCH FOR LOCKING DOORS AND VENTS

3.11.1. Place latches No.22 for locking doors and vents of the greenhouse on the assembled greenhouse PK 4m end, from the outer side, on the cover of the doorway No.5, in the middle of the door and vent (see pic. 13). Place a bolt No.28 (m4x25) in the hole on the latch No.22, place a pressure strainer No.31 on the bolt (to attach polycarbonate) and tighten the nut m4 (No.30 in the delivery set).

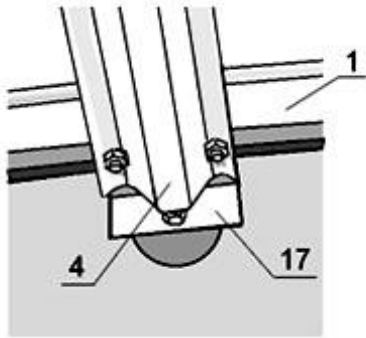
3.11.2. Make a hole in the polycarbonate to attach the latch, the bolt No.28 and nut m4 must sink in polycarbonate. Use an additional nut to ensure that the latch will not scrape the cover. Place the bolt No.28 in the hole in the door jamb of doorway No.5 and fasten the m4 nut.



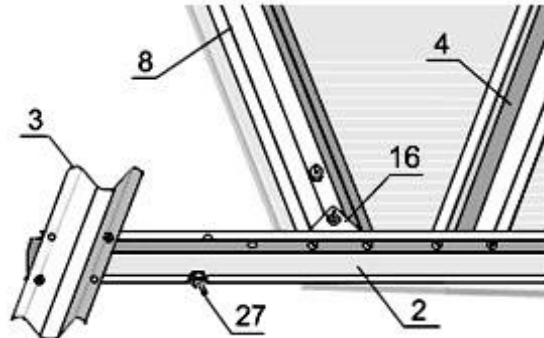
Picture No 13

4. ASSEMBLY OF GREENHOUSE «Sotka-Ekonom»

- 4.1. Take the assembled end, described in paragraph 3, close the door and vent and fix them in locked position by latches described in 3.10. Place the assembled end of the greenhouse on a flat ground with the cover downwards. Use packaging box and film as an underlay.
- 4.2. Remove nuts from upper support bracket No. 17, which is fastened to arc No.1 (described in paragraph 3.4.1). Mount a stringer No.4 on the extended bolts and fasten the removed nuts, thus connecting the three parts together (see pic.14).
- 4.3. Attach stringers No.4 to the support bracket No.17 attachment points.
- 4.4. Attach stringers no.4 to the arc extensions No.2 by using m4x10 bolts (see pic. 15).
- 4.5. Take the arc assembled in paragraph 3.2 and attach it to the greenhouse end from the external part of the stringers. Start fixing stringers No.4 to the arc from the bottom.
To avoid greenhouse frame deformation, attach single m4x10 bolts to stringers No.4 in three points, in No.2 extensions and the upper part of the arc.
Finish attaching the arc to stringers by placing m4x10 bolts in the remaining openings (see pic. 16). Attach the next arc to the stringers as described above.
- 4.6. Attach supports N.3 to the arc extensions No.2 to fix the greenhouse in the ground (see pic.15).
- 4.7. Place m4x14 bolts in the arc extensions No.2 to attach fixing straps. Attach m4x14 bolt (No.27) from the inner side of the greenhouse (see pic.15).

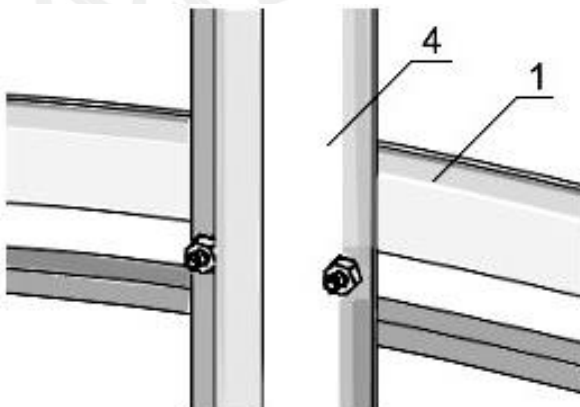


Picture No 14

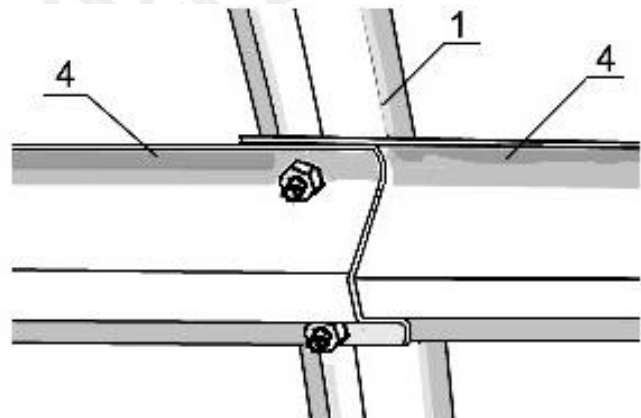


Picture No 15

- 4.8. After attaching 7 stringers to the greenhouse end, assembled arcs, supports No.3 and bolts for attaching fastening strips, lift the greenhouse end with 2m greenhouse tunnels attached and place it on the arc extension supports. Assemble the second greenhouse end with the two metre tunnel.
- 4.9. Connect both ends of the greenhouse, tunnels and arc described in 3.1 by using m4x10 bolts (pic. 16,17).



Picture No 16



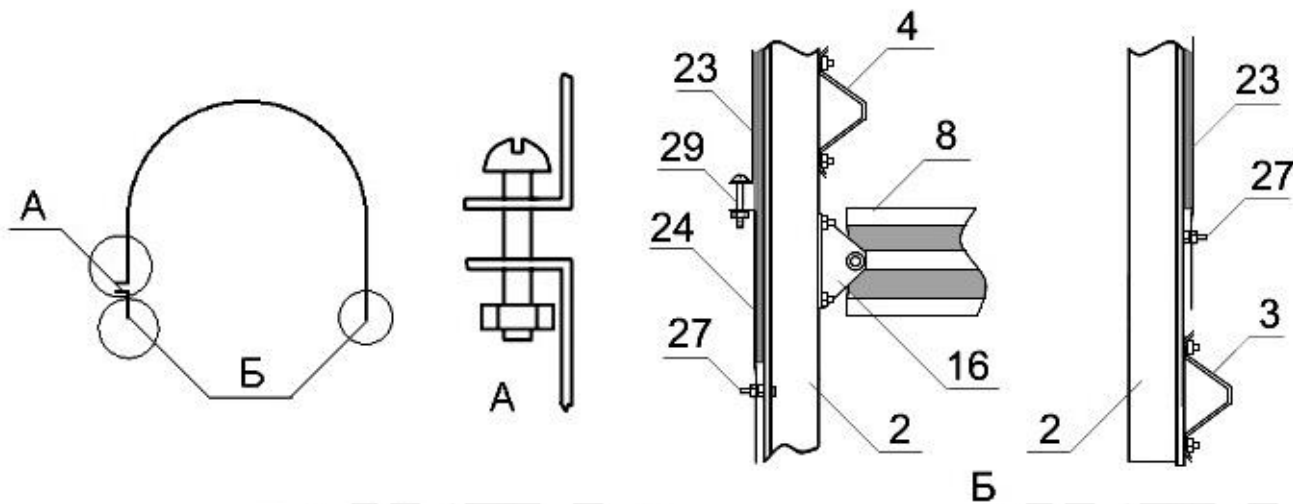
Picture No 17

- 4.10. **Attention!!!** Place an arc with support (paragraph 3.1.) every 2 metres of the greenhouse tunnel, meaning that a 4m long tunnel has **one** support in the middle, 6m tunnel has **two** supports at every two meters, 8m long tunnel has **three** support at every two metres, etc.

5. COVERING TUNNEL IN CELLULAR POLYCARBONATE

- 5.1. Install the assembled greenhouse PK 4m frame with greenhouse ends attached on the desired spot.
- 5.2. Unpack the fixing straps for fixing cellular polycarbonate. Fully unroll the fixing strap No.23.
Attach the short fixing strap No.24 to fixing strap No.23 by using a m4x35 bolt (No.29). Do not fasten m4 nut tightly, leave space for fastening fixing straps after attaching upper cover (see pic.18).
- 5.3. Prior to covering the greenhouse tunnel, inspect bolts No.27 (m4x14) for attaching fixing straps. Bolt No.27 must be fixed at the lower part of the greenhouse end crossbar No.8 on all arc extensions No.2.
- 5.4. Take two 2.1x6m polycarbonate sheets. Remove the protective film from both sides of the polycarbonate part, and mark the outer side with a marker.

Attention! Polycarbonate has a dedicated outer side with a protective layer for protection against UV radiation. Protect polycarbonate cells from dirt.



Picture No 18

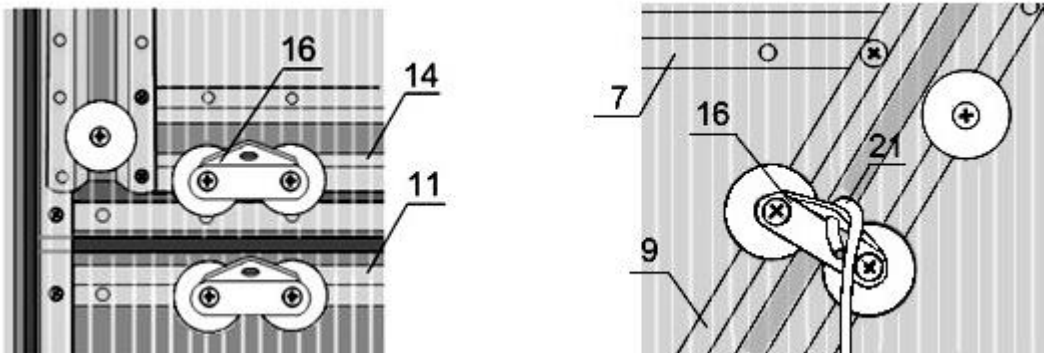
- 5.5. Place two polycarbonate sheets on top of the greenhouse tunnel. Place the assembled fixing strap along the arcs up on the polycarbonate sheet. While holding down the polycarbonate cover to the greenhouse tunnel, fix the fastening strap No.23 by m4 nut to the extended No.27 bolt, while placing the strap along the middle part of the arc. On the opposite side attach the fastening strap No.24 in a tensed state onto the bolt No.27. Inspect the placement of the cover, check if the polycarbonate ends are parallel to the lower stringer No.4, and if the overlapping of the polycarbonate above the greenhouse ends is even. Place remaining fastening straps along the arcs, fix them on No.27 bolts and fasten by using screw No.29 (m4x35).

6. INSTALLING GREENHOUSE FRAME IN THE GROUND

- 6.1. Supports No.3 are designed for fixing the greenhouse frame in the ground (see pic.15). Attach the supports to the greenhouse arc extensions No.2 and door jambs No.5. Each support is fixed on two diagonally placed bolts (m4x10). *Attention! Prior to digging the frame into the ground it is necessary to cover the greenhouse tunnel in polycarbonate and to tense the fastening straps.*
- 6.2. Place the greenhouse on your chosen location. Use shovel to dig holes for supports No.3, lower the greenhouse in these holes and fill them with soil, then tamper the soil to ensure that the greenhouse frame is tightly secured in the ground.

7. FASTENING HOOK AND EYE FOR LOCKING DOORS AND VENTS

- 7.1. Fix angle support No.16 with m4x14 bolts on top of the greenhouse end bracket No.9, while placing galvanized pressure strainers under the angle support. Place the hook and eye No. 21 for locking doors and vents on the angle support (see pic. 19).



Picture No 19

- 7.2. Fix angle supports No.16 on vent crossbar No.14 and door crossbar No.11 by placing galvanized pressure strainers and fixing with m4x14 bolts.
- 7.3. Place the hook and eye No. 21 for locking doors and vents on the second greenhouse end.

8. GREENHOUSE 6m, 8m ASSEMBLY

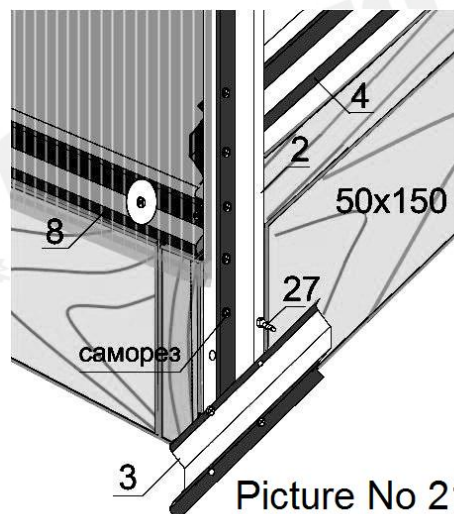
- 8.1. For 6m, 8m, etc., greenhouses only PKP+2m extension is added to the original greenhouse.
- 8.2. EXTENSION PKP+2m ASSEMBLY.
 - 8.2.1. Unpack the PKP+2m extension set, check the parts and group them by numbers.
 - 8.2.2. Assemble extension PKP+2m as described in paragraphs 3.1-3.2.

8.3. MOUNTING GREENHOUSE FRAME ON WOODEN FRAME.

8.3.1. To ensure that the greenhouse frame retains the best possible shape, it is recommended to mount the frame of greenhouse on a wooden frame made of 50x150mm planks and treated with antiseptic.

Attention! *Wooden frame, 50x150 mm plants, antiseptic, bolts are not included in the delivery package. To be purchased and made separately by the user.*

8.3.2. Take two planks with the same length as the greenhouse, and two 3m long planks. Place the longest planks next to the No.2 extensions, on the internal side of the greenhouse, and use a pencil to mark location of supports of the extensions No.2 on the planks. Make saw-cuts as wide as the profile and as deep as the profile (approx. 15mm). Use chisel to make grooves in saw-cuts, treat the plank with antiseptic, place the planks on the inner side of the greenhouse and fix extensions No.2 to the planks by using m4x32-40 bolts (see pic.21).



Picture No 21

Attention! Prior to fixing 50x150 planks to the extensions No.2, place bolts for attaching fastening straps No.27 (see pic.21) on the extensions, and remove arc support part No.19 from the extensions No.2. After attaching 50x150 planks to the extensions No.2, attach the support part No.19 to the planks.

Measure the internal distance between the planks attached to extensions No.2. Saw-off the measure from the 3m planks. Places the end-planks inside the greenhouse between the side planks, and mark the doorway No.5 placement spots on the planks. Make grooves in the end-planks, in the doorway placement spots as described above. Cover the planks in antiseptic and fix them with m4x32-40 bolts to the doorway No.5, by attaching to the side planks by M6x120-150 wood screws through extension No.2.

9. REQUIREMENTS FOR CONDITIONS OF USE

- 9.1. Due to vibrations of the greenhouse caused by wind, it is necessary to fasten weakened nuts and bolts or replace fastenings.
- 9.2. In winter, if the greenhouse is not used as intended, meaning that the air temperature in the greenhouse is not maintained above zero degrees, to avoid causing damage to the frame due to snow load, it is advised to **REMOVE** top polycarbonate cover sheets from the greenhouse by using straps for removal. While removing the polycarbonate cover, mark the outward side of the cover.

10. WARRANTY

- 10.1. Manufacturer guarantees greenhouse frame quality (hereinafter the Product) and the fact that the Product is new, delivered in full, has not been previously used and has no defects.
- 10.2. Averno brand products are subject to 12 (twelve) month warranty period from the day of purchase in retail.
- 10.3. Warranty is valid during the warranty period indicated in the purchase documentation and is only applicable for discovered manufacturing defects with a condition that the owner of the greenhouse has a valid greenhouse passport with a stamp of a manufacturer, correctly filled warranty receipt with information about the product, buyer, seller, purchase date, stamp, and signatures of buyer and seller.
- 10.4. Warranty is not applicable in case of following:

- incorrect assembly, assembly without observing guidance of this manual.
- defects caused by replacing fastenings provided in the delivery package for other types of fastenings and fixtures.
- natural wear and tear of fastening elements.
- defects caused by careless use, use of the product for unintended purposes, violation of paragraph 9 of the Conditions of use.
- defects caused by incorrect storage.