

Rion GH30 Greenhouse Assembly Instructions



Modular greenhouses, garden sheds, outdoor garden elements and accessories
Designed and manufactured by Rion
A Member of the Plasson Group



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Safety First

- Check the contents of the greenhouse packaging against the packing list and the required parts for your model on page 4 and following. **Do not begin assembly if any parts are missing.**
- Please read these *Assembly Instructions* completely before assembly and keep them in your records so you can refer to them if you wish to add options or make repairs.
- The instructions in this manual lead you through each step in the assembly process. It is important for you to follow them closely.
- We recommend that you use gloves during assembly.
- Rion is not responsible for the misuse of tools or parts.
- If local building codes require permits or licenses make sure that they are acquired before beginning.
- Your Greenhouse should be securely anchored to the prepared foundation or the Modular Base (available as an option) using the recommended hardware.
- If you prepare a concrete foundation do not excavate and pour concrete in frozen ground.
- Exercise caution when lifting heavy assemblies.
- Do not attempt to assemble your Greenhouse in high winds.
- We recommend that you place your Greenhouse in a spot where it will receive direct sunlight and will be protected from the wind as much as possible. The door should not face prevailing winds.
- When your Greenhouse is fully assembled examine it for sharp edges and trim with a razor knife if necessary.
- Close all roof vents in high winds.
- It is important to clear your Greenhouse of snow in the winter.
- Make sure that the temperature in the greenhouse never exceeds 70° C (155° F). Ensure good ventilation during hot days or provide a shading screen. This is especially important if you live in a hot climate.

Required Tools

Before you start assembly have the following available:

- Measuring tape
- Spirit level
- Scissors
- Gloves
- Razor knife

Note: *You may find some parts easier to assemble if you first moisten them with soapy water.*

Concrete Foundation

- 70 mm x 6 mm screws and concrete anchor set or expansion anchor. (See quantities on page 3.)
- Hammer
- Power drill and an 8 mm ($\frac{5}{16}$ ") masonry bit
- Screwdriver for screws or wrench for expansion anchors. A power tool with the appropriate bit is recommended.
-

Note: *If you have purchased a Modular Base all hardware is included.*

Accessories

- Your Greenhouse comes with one roof vent. Additional roof vents (Part WIN31A) can be installed to replace inner top panels.
- The fixed central panel in the back wall can be replaced with a louvered window (Part WINB2AC).
- A Modular Base can be purchased for your Greenhouse's foundation.

Introduction

Congratulations on purchasing a Rion Greenhouse. We are certain that it will give you many happy years of pleasure in your garden.

The drawings in this manual are designed for the greenhouse owner who has purchased a GH33, which consists of one front unit (GHF), one back unit (GHB) and one module unit (GHM). If you have purchased additional modules (GHM) the instructions are indicated in the text.

The Greenhouse has been designed to be as easy to put together as it is beautiful to look at. Most of the work can be done by a single person. Only attaching the roof requires the help of a family member or neighbor for a short while.

Easy assembly methods eliminate the need for tools or special expertise.

- 1 Connect the specified parts.
- 2 Match the holes in the profiles and the connectors. Place a pin on the pin tool and push the pin through the lined-up holes to lock the parts in place. Many connections require pins on both sides.

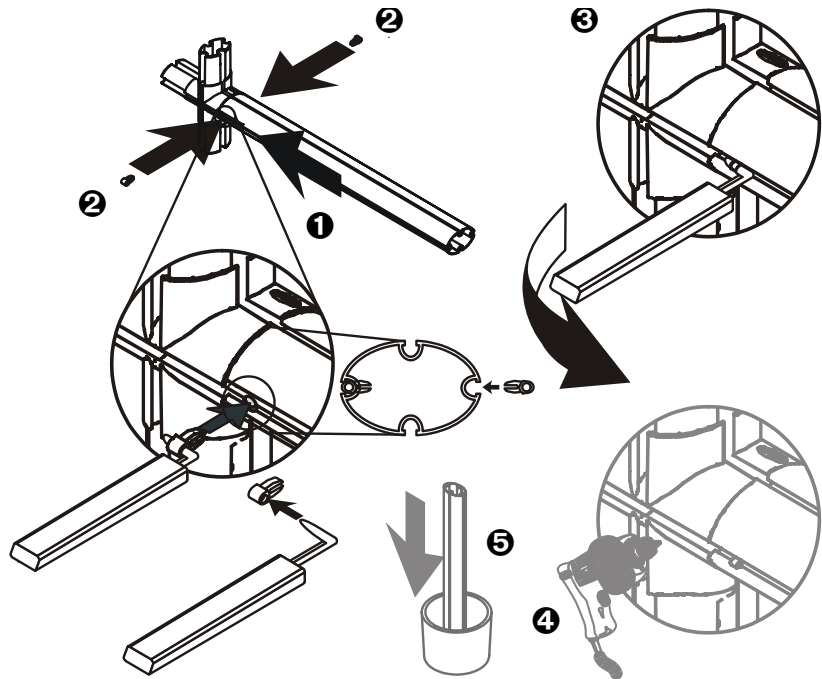
Note: *Extra pins are included.*

- 3 If you wish to disassemble the parts at any time, remove the pins using the pin tool. Place the end into the exposed hole and lever the pin out.
- 4 If a hole in the connector is missing, drill a hole with a 6 mm (1/4") drill bit through the assembled profile and then insert the pin.
- 5 In extremely rare cases connectors will not slip into some round or oval profiles. In this case place the affected part into 10 cm of boiling water for 15 seconds before connecting.

Note: *In some models profiles have identification stickers. We recommend removing them as you work.*

Greenhouse assembly is done in the following steps:

- Prepare a Foundation for Your Greenhouse** (page 3)
- Identify Greenhouse Parts** (page 4)
- Prepare Your Parts for Assembly** (page 7)
- Lay Out the Greenhouse Frame** (page 8)
- Secure the Frame to Foundation** (page 9)
- Assemble the Roof Pediments** (page 10)
- Assemble Roof Framework** (page 12)
- Cover the Greenhouse Roof** (page 13)
- Raise the Roof** (page 16)
- Cover the Walls** (page 17)
- Seal Panels** (page 19)
- Assemble the Door (Sliding Door Model)** (page 20)
- Attach the Door (Sliding Door Model)** (page 21)
- Assemble the Door (Hinged Door Model)** (page 22)
- Attach the Door (Hinged Door Model)** (page 23)
- Final Touches** (page 24)



Prepare a Foundation for Your Greenhouse

Before assembling your new Greenhouse a proper foundation must be prepared. Make sure that you have checked with your local authorities regarding any required building permits.

Decide at this time the final orientation of your Greenhouse. We recommend that you place your greenhouse in a spot where it will receive direct sunlight and will be protected from the wind as much as possible. The door should not face prevailing winds.

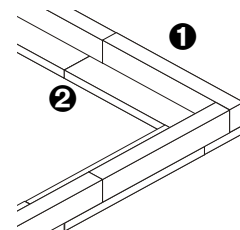
It is important to clear your Greenhouse of snow in the winter.

Modular Base (Option)

If you have purchased the optional Greenhouse Modular Base follow the assembly instructions in the packaging. The Greenhouse Modular Base can be placed in an excavated hole or on the ground. In either case you will require approximately 0.17 cubic meters (6 cubic feet) per module of gravel or earth or other suitable material to fill the base. All required hardware is included.

Treated Wood Base

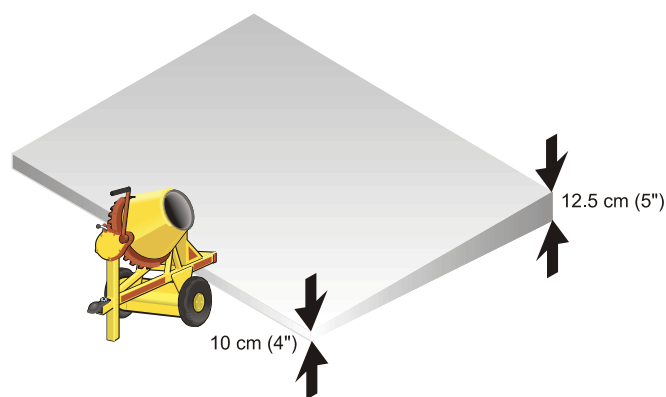
Build a framework composed of 4 × 6 (①) and 2 × 6 (②) treated lumber using deck screws or galvanized lag bolts and fill it with gravel or earth or other suitable material to fill the base up to the top surface of the 4 × 6 (①). Attach the greenhouse frame through the connectors using screws that are 6 mm (1/4") in diameter and no less than 70 mm (2 3/4") long (not supplied). See hardware quantities, foundation measurements and filler specifications above.



Concrete Foundation

Prepare a poured concrete foundation according to local building codes. Do not excavate and pour concrete in frozen ground. Make sure that there is a slight slope for drainage.

Pour your foundation according to the size of the greenhouse model you have selected. Make sure that the foundation is at least 10 cm (4") larger than the size of the greenhouse.



Model	Modules	Foundation Width	Foundation Length
GH32	GHF + GHB	2.07 meter (6' 9")	1.44 meter (4' 9")
GH33	GHF + GHM + GHB	2.07 meter (6' 9")	2.07 meter (6' 10")
GH34	GHF + GHM + GHM + GHB	2.07 meter (6' 9")	2.66 meter (8' 10")
GH35	GHF + GHM + GHM + GHM + GHB	2.07 meter (6' 9")	3.25 meter (10' 10")

The Greenhouse is secured to the concrete foundation using screws and concrete anchors or expansion anchors (not supplied). Use screws 6 mm in diameter and no less than 70 mm long (2 3/4" x 1/4"). A drill with an 8 mm (5/16") masonry bit is required. Required quantities are shown below.

GH32	GH33	GH34	GH35	Description
20	24	28	32	70 mm x 6 mm (2 3/4" x 1/4") screw/anchor set or expansion anchor

Other Foundation Options

Additional anchoring options are possible, based on wind and ground conditions in your area.

Note: You may assemble the greenhouse on its base on a hard surface and move it to its final position when you have finished. Make sure that there are no obstructions between the assembly area and the final position.

Wood Deck

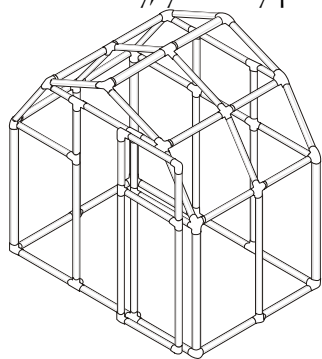
Your Greenhouse can be secured to a wood deck with screws (not supplied) through the frame connectors. Use screws that are 6 mm (1/4") in diameter and no less than 70 mm (2 3/4") long. Make sure that the wood deck itself is securely anchored to the ground. See hardware quantities and foundation measurements above.

Excavated Trench

Your Greenhouse can be placed in an excavated trench to anchor it to the ground. See the foundation measurements above for dimensions.

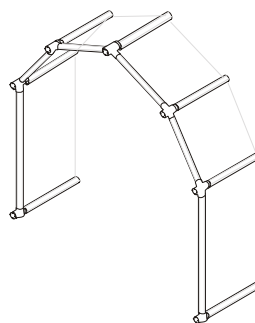
Identify Greenhouse Parts

Because of the Greenhouse modularity, you may purchase up to three GHM modules to fit your needs.

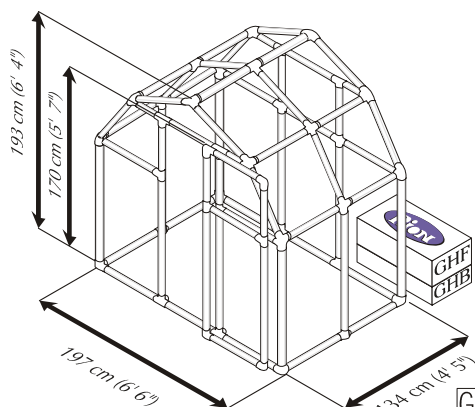


GHF

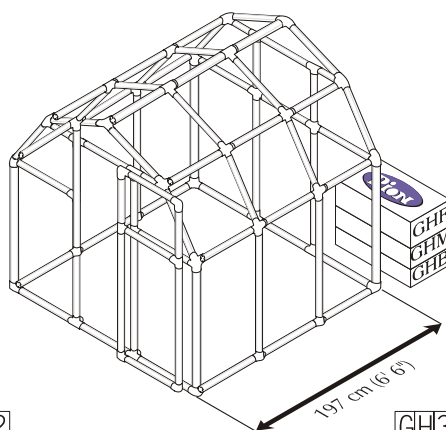
GHB



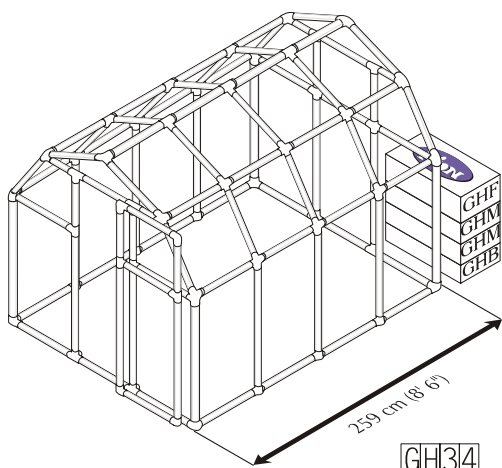
GHM



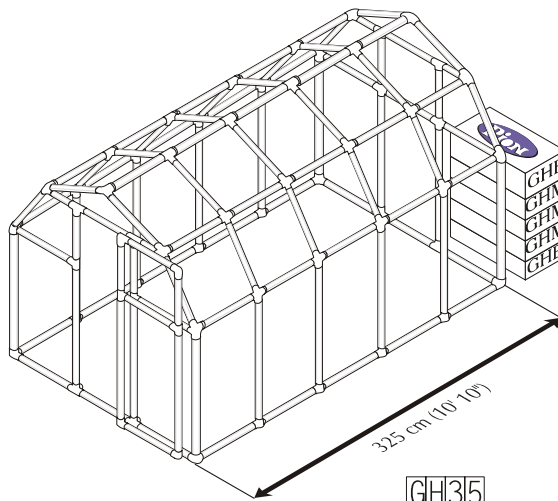
GH32



GH33



GH34



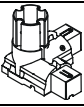


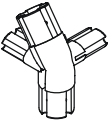

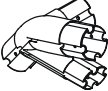
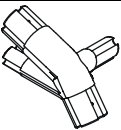
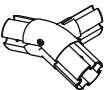
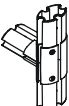
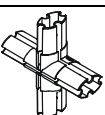

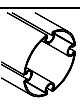


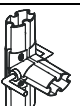

GH35



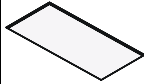
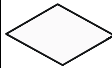
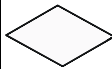
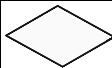




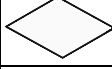












Take a minute to make sure you have everything you need.

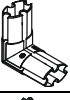
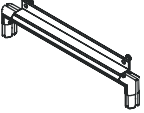

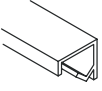








Note: Do not proceed with assembly if any parts are missing.

The part code is stamped on each connector. Profiles are listed in order by size, largest to smallest. Panels are identified with stickers.

Exact dimensions can be found in the packing list.

	Part Code	GH32	GH33	GH34	GH35	Description
	01	4	4	4	4	Corner Frame Connector
	2D	6	8	10	12	Frame Connector
	3A	2	2	2	2	Left Rib Connector
	4A	2	2	2	2	Right Rib Connector
	5A	5	10	15	20	Rib Connector
	6A	2	2	2	2	Left Pediment Connector
	7A	2	2	2	2	Right Pediment Connector
	8A	2	2	2	2	Top Pediment Connector
	09	7	7	7	7	T-Oval Connector
	10	2	2	2	2	Oval Junction Connector
	B2	10	12	14	16	Frame Profile (50 cm)
	R1	4	4	4	4	Round Profile (113 cm)
	R2	4	4	4	4	Round Profile (53.4 cm)
	R3	4	4	4	4	Round Profile (47.7 cm)
	E1	8	10	12	14	Oval Profile (113 cm)
	E2	21	28	35	42	Oval Profile (54 cm)
	E3	2	4	6	8	Oval Profile (52.2 cm)
	E4	6	6	6	6	Oval Profile (39.4 cm)
	E5	4	4	5	4	Oval Profile (13.4 cm)
	SR1	1	1	1	1	Inner Round Profile (40 cm)
	DoorW1	1	1	1	1	Door Handle Connector
	DOW1	1	1	1	1	Lock Holder

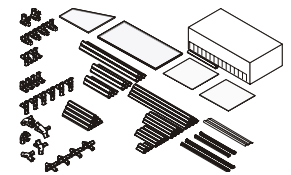
	Part Code	GH32	GH33	GH34	GH35	Description
	D1	2	2	2	2	Side Cap
	D2	1	2	3	4	Middle Cap
	PN1	10	12	14	16	Wall Panel (59.7 × 118.3 cm)
	PN2	0	2	4	6	Lower Roof Panel (60.5 × 66.7 cm)
	PN2A	4	4	4	4	Lower Roof Panel (side) (61.7 × 66.7 cm)
	PN3	0	2	4	6	Upper Roof Panel (60.5 × 64.7 cm)
	PN3A	3	3	3	3	Upper Roof Panel (side) (61.7 × 64.7 cm)
	PN5L	2	2	2	2	Side Panel (Left) (58.1 × 44.9 cm)
	PN5R	2	2	2	2	Side Panel (Right) (58.1 × 44.9 cm)
	PN6	2	2	2	2	Pediment Panel (109.9 × 17.9 cm)
	PN9	11	11	11	11	Upper Door Panel Back Pediment Panel (option)(59.9 × 44.7 cm)
	WIN31	1	1	1	1	Roof Vent
	WINH	2	2	2	2	Roof Vent Handle
	GF	55 meters	55 meters	55 meters	55 meters	Flexible Glazing Seal
	DS	1	1	1	1	Door Sealer (roll)
	RA1	2	3	4	5	Bottom Roof Glazing (57.3 cm)
	RB1	8	12	16	20	Roof Glazing (52 cm)
	RB3	4	4	4	4	Roof Glazing (47.5 cm)
	RC1	6	8	10	12	Top Roof Glazing (66.6 cm)
	RC2	6	8	10	12	Top Roof Glazing (63 cm)
	RC3	2	3	4	5	Top Roof Glazing (58 cm)
	RD1	8	12	16	20	Window Roof Glazing (56.9 cm)
	PIN1	320	380	440	500	Connector Pin
	GT1	2	2	2	2	Glazing Tool
	AS 80	2	2	2	2	Door Runner Screw / Wingnut
	AW5	1	1	1	1	Allen Wrench
	SF	1.5 meters	1.5 meters	1.5 meters	1.5 meters	Soft Foam Roof Insulation

	Part Code	GH32	GH33	GH34	GH35	Description
Sliding Door Model						
	18	2	2	2	2	Corner Oval Connector
	Door12	1	1	1	1	Sliding Door Top
	LI2	2	2	2	2	Door Stop (82.5 cm)
	LI3	1	1	1	1	Door Stop (108.5 cm)
	Door11	1	1	1	1	Door Sliding Track (121 cm)
	Door13	1	1	1	1	Door Lead (12 cm)
Hinged Door Model						
	18	2	2	2	2	Corner Oval Connector
	18D	2	2	2	2	Corner Oval Hinge Connector
	Door21	1	1	1	1	Upper Door Lintel (70 cm)
	AS70	1	1	1	1	Upper Door Screw
	Door22	1	1	1	1	Bottom Door Hinge
	Dow2	1	1	1	1	Door Holder
	LI6	1	1	1	1	Door Latch

The assembly drawings below are designed for the greenhouse owner who has purchased a GH33, which consists of one front unit (GHF), one back unit (GHB) and one module unit (GHM). If you have purchased a different number of modules (GHM) the instructions are indicated in the text.

Prepare Your Parts for Assembly

Remove everything from your packages and sort them according to part type. Since assembly is done from taking parts from every box, it is best to put everything together. The boxes are printed with a ruler to help you distinguish between profiles.



Note: Protect unassembled panels from the sun to prevent identification stickers from adhering to the glazing.

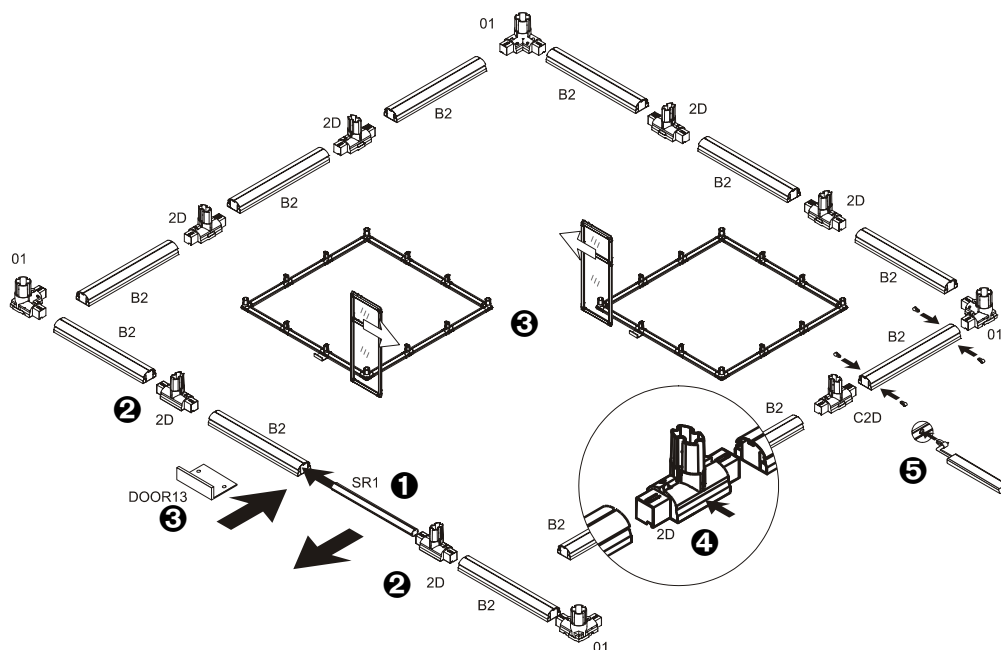
Lay Out the Greenhouse Frame

Decide in which direction the door will face and place the parts on the prepared foundation or wood deck.

Note: If you are using a modular base or other foundation option (see page 3) assemble the base on a flat surface (such as a driveway or a garage) and then move it into position when you are done.

Sliding Door Model

- 1 Slide the SR1 profile into the B2 frame profile that will be used for the doorway.
- 2 Place a 2D connector on both sides of the prepared B2 frame profile.
- 3 Place the Door13 slider on the side to which you want the door to slide. Line up the holes under the holes of the 2D connector.
- 4 Put the other parts of the frame together.
- 5 Lock the frame together with pins.

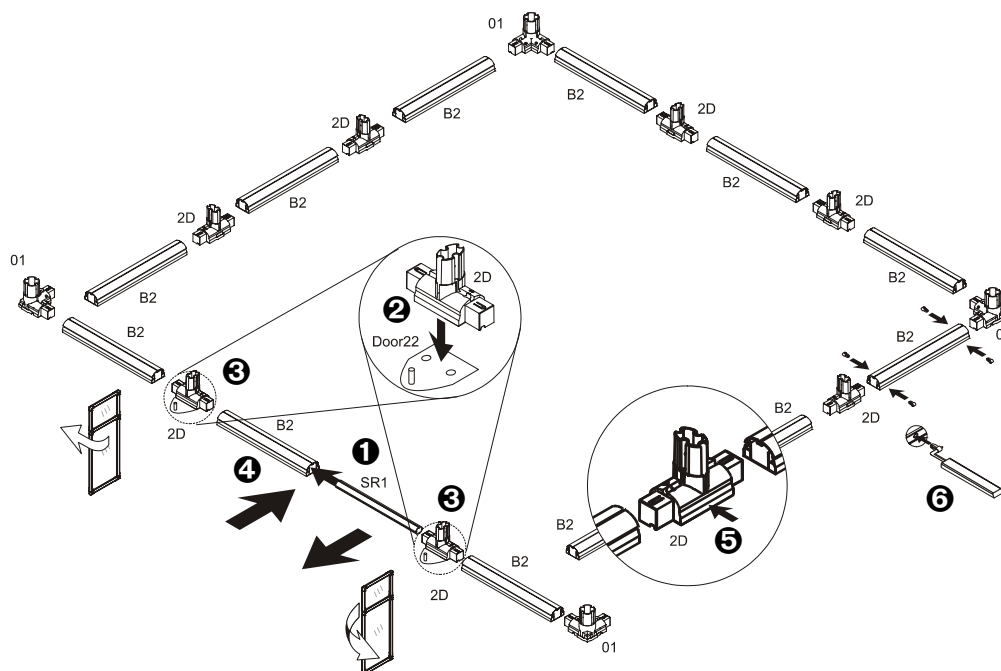


Hinged Door Model

- 1 Slide the SR1 profile into the B2 frame profile that will be used for the doorway.
- 2 Place a 2D connector on the Door22 door hinge.
- 3 Place the prepared 2D connector on one side of the prepared B2 frame profile.

Note: The door can open to either side.

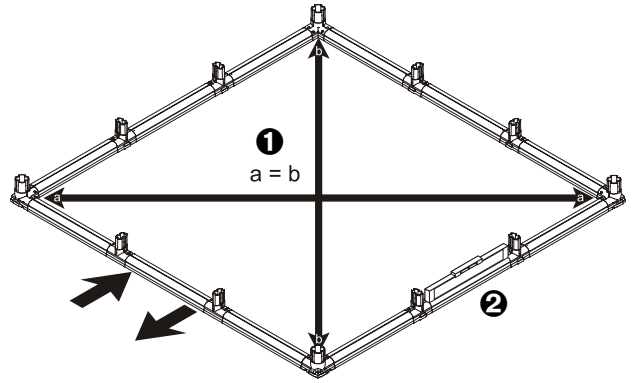
- 4 Place the other 2D connector on the B2 frame profile.
- 5 Put the other parts of the frame together.
- 6 Lock the frame together with pins.



Secure the Frame to Foundation

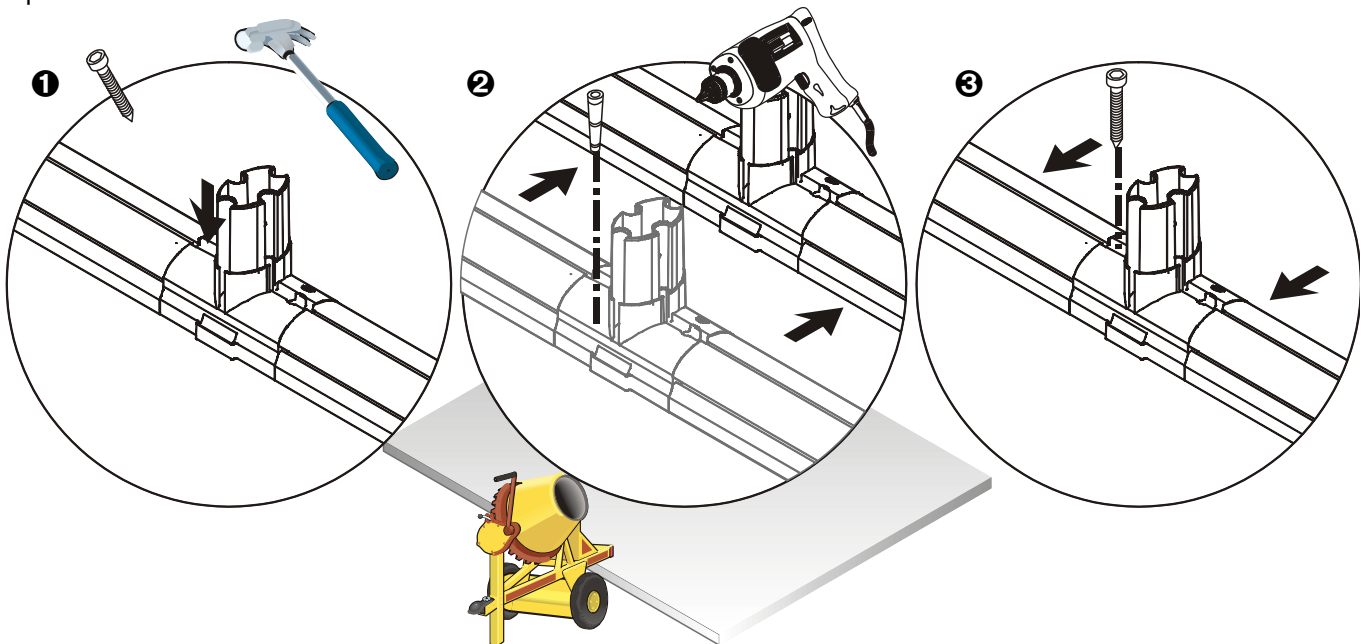
- 1 Make sure that the frame is perfectly rectilinear by measuring the diagonals and verifying that they are the same.
- 2 Use a spirit level to make sure that the frame is level. Acquire the proper hardware before beginning the next procedure. (See page 3.)

Note: If you are using a base with filler you may assemble the greenhouse on a hard surface and move it to its final position when you have finished. Make sure that there are no obstructions between the assembly area and the final position.



Concrete Foundation

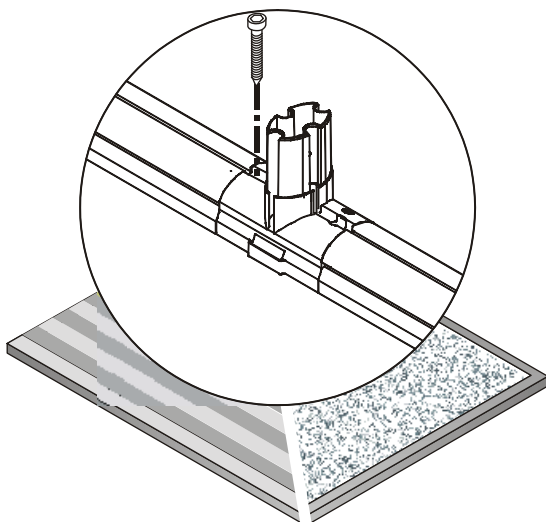
- 1 Mark the foundation through each connector using a scribe or screw.
- 2 Carefully move the frame and then drill holes using a 8 mm ($\frac{5}{16}$ ") masonry bit. Insert concrete anchors or expansion anchors (not supplied) in each hole.
- 3 Move the frame back into place. Make sure that it is still perfectly rectilinear. Secure the screws/anchors in place.



Modular Base, Wood Deck, or Treated Foundation

Insert screws into the frame connector holes and secure them to the base.

Note: If you have purchased the Modular Base all necessary hardware is included.



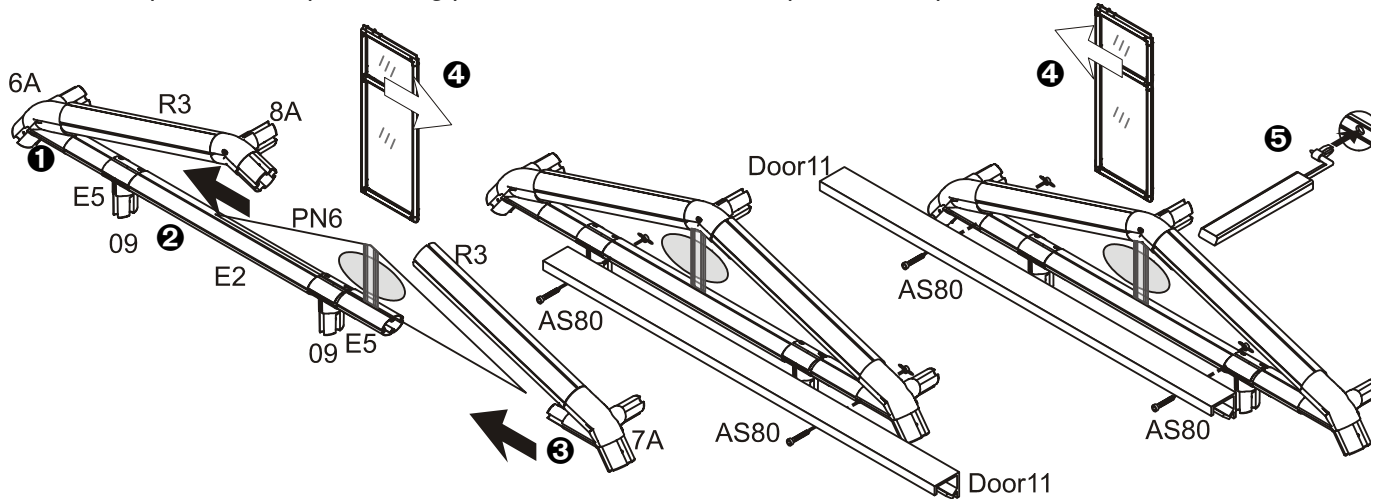
Assemble the Roof Pediments

Sliding Door Pediment

- 1 Assemble all parts of the sliding door pediment except for the 7A connector and the R3 profile.
- 2 Slide the PN6 panel into the open space of the pediment.

Note: The outside surface of the panels have special UV protection, indicated by the logo and the plastic identification strip. Remove plastic ID strips when as panels are locked in place.

- 3 Complete the sliding door pediment with the 7A connector and the R3 profile, taking advantage of the flexibility of the profiles.
- 4 Place the Door11 sliding track into the channels of the bottom of the door pediment according to the side to which you want the door to open. Tighten with the included AS80 screws and wing nuts through the connectors.
- 5 Lock the pediment in place using pins and remove the ID strips from the panel.

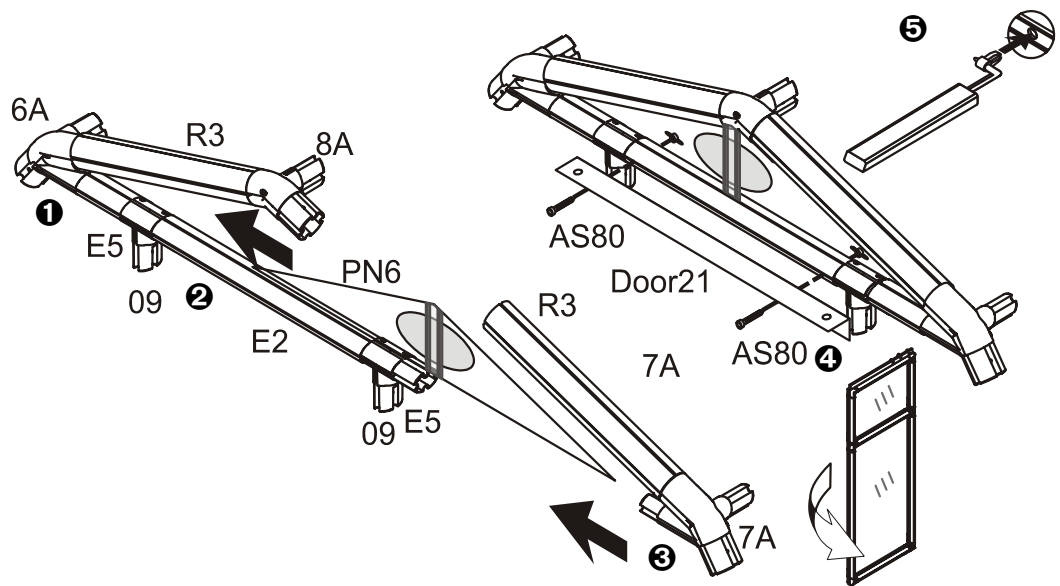


Hinged Door Pediment

- 1 Assemble all parts of the hinged door pediment except for the 7A connector and the R3 profile.
- 2 Slide the PN6 panel into the open space of the pediment.

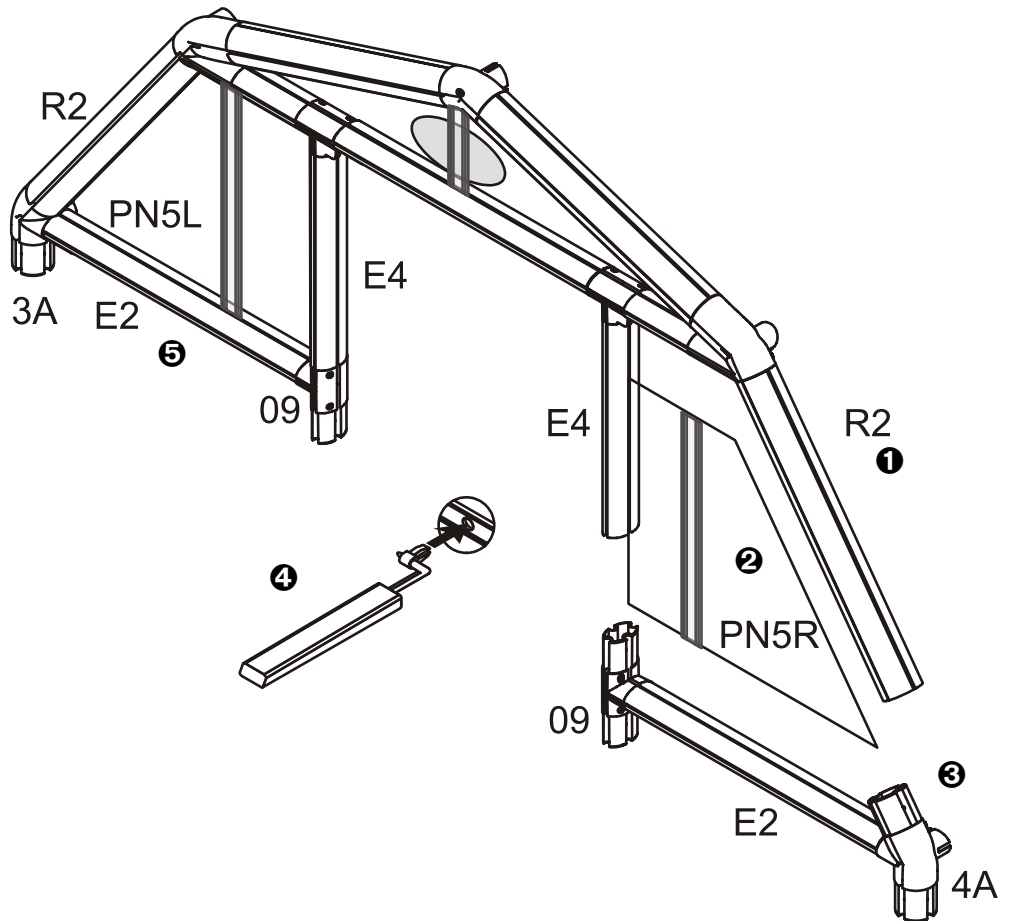
Note: The outside surface of the panels have special UV protection, indicated by the logo and the plastic identification strip. Remove plastic ID strips when as panels are locked in place.

- 3 Complete the hinged door pediment with the 7A connector and the R3 profile, taking advantage of the flexibility of the profiles.
- 4 Attach the Door21 upper door lintel. Tighten with the included AS80 screws and wing nuts through the connectors.
- 5 Lock the pediment in place using pins and remove the ID strips from the panel.



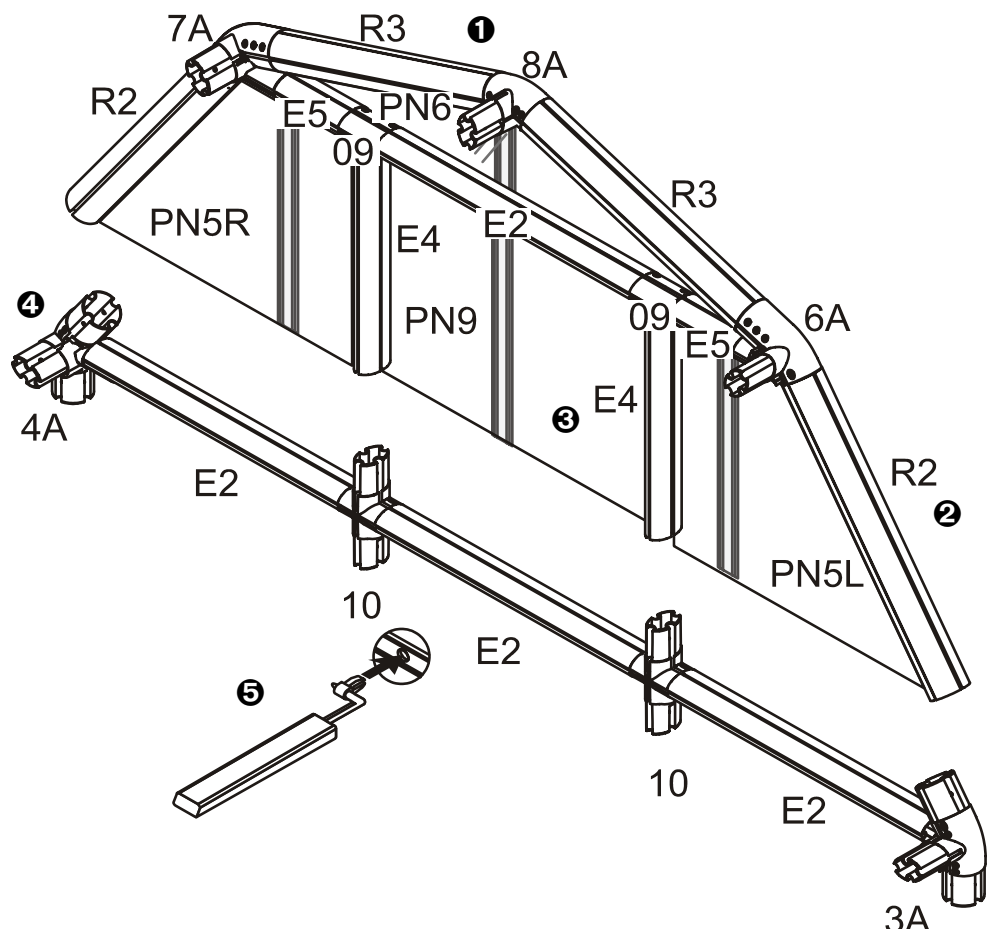
Complete Doorway Pediment

- ❶ Attach the E4 and R2 profiles to the lower right pediment.
- ❷ Slide the PN5R panel in place. Make sure that the plastic ID strip faces out.
- ❸ Connect the 4A and 09 connectors to an E2 profile and put it in place taking advantage of the flexibility of the profiles.
- ❹ Lock the panel in with pins.
- ❺ Assemble the lower left pediment in the same way.



Back Pediment

- ❶ Assemble the back top pediment as previously described and lock the parts in place with pins.
- ❷ Place the descending profiles on the completed top pediment.
- ❸ Slide the three panels in place. Make sure that the plastic ID strip faces the outside.
- ❹ Assemble the lower profiles and connectors and complete the back pediment, taking advantage of the flexibility of the profiles.
- ❺ Lock everything into place using pins and remove the ID strips from the panels.

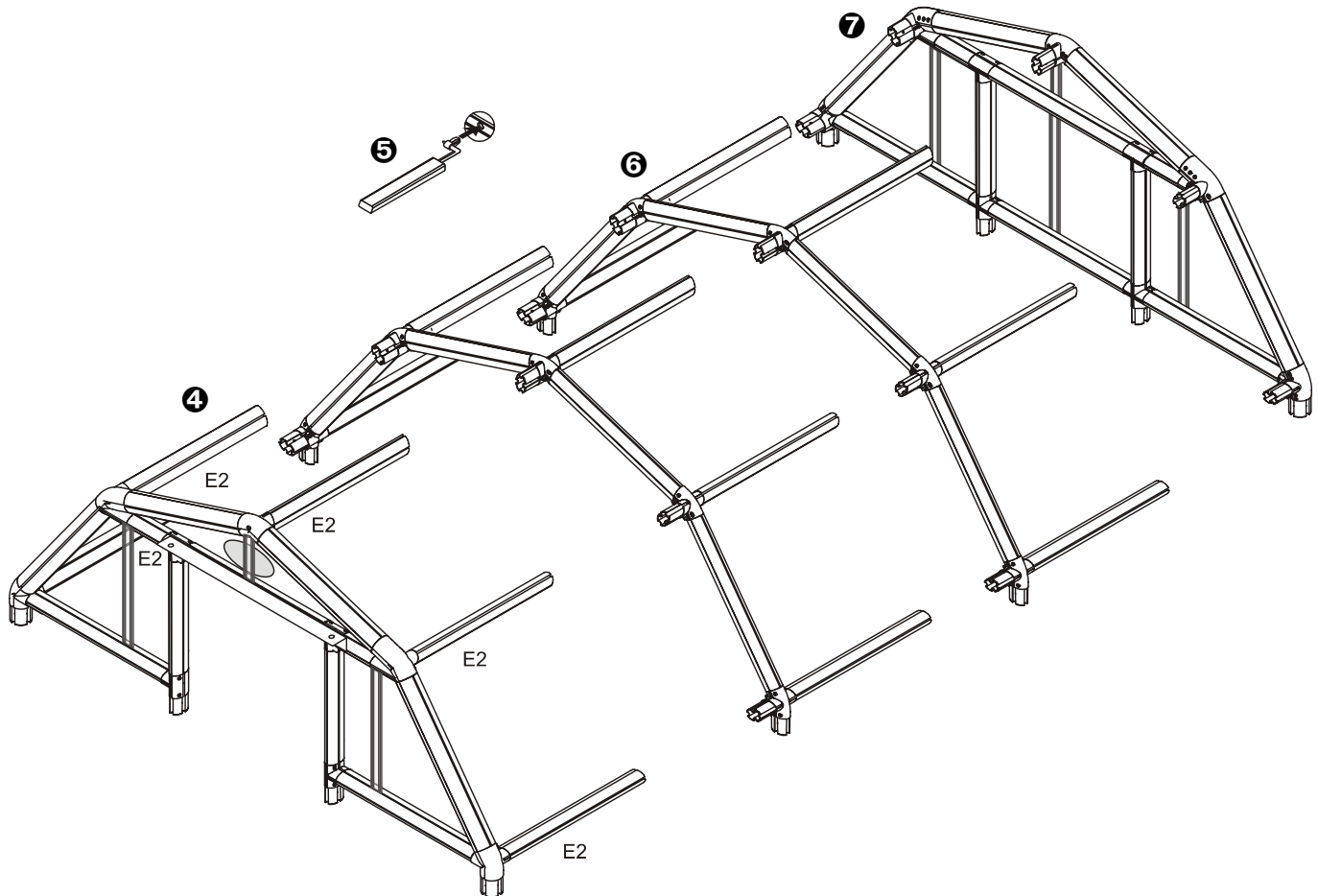
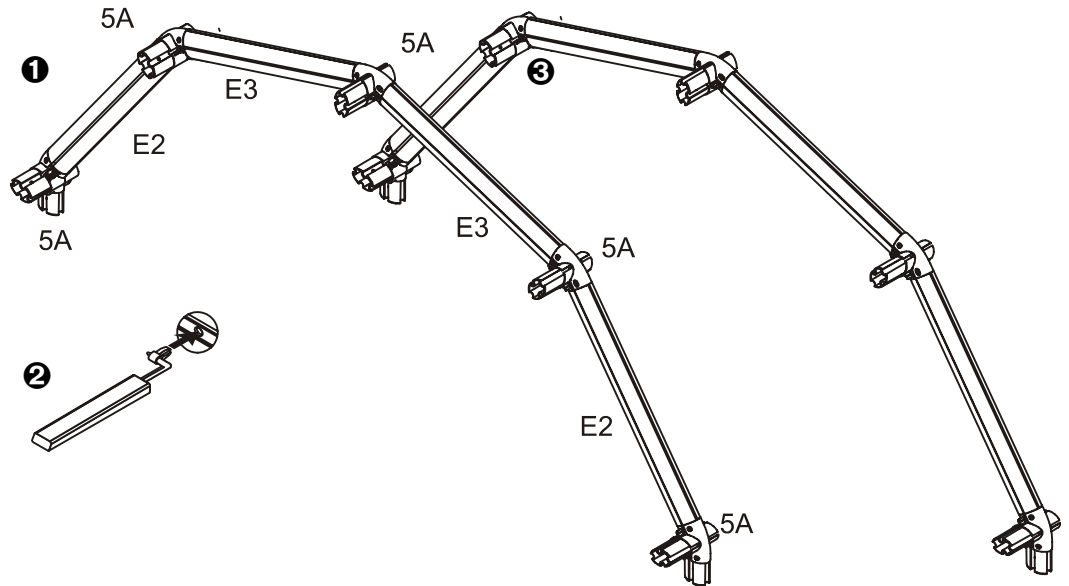


Note: Use gloves to remove the PN9 fixed window if you install the optional Louver Window (Part WINB2AC).

Assemble Roof Framework

Note: Assemble the roof in an area not too far away from the completed frame.

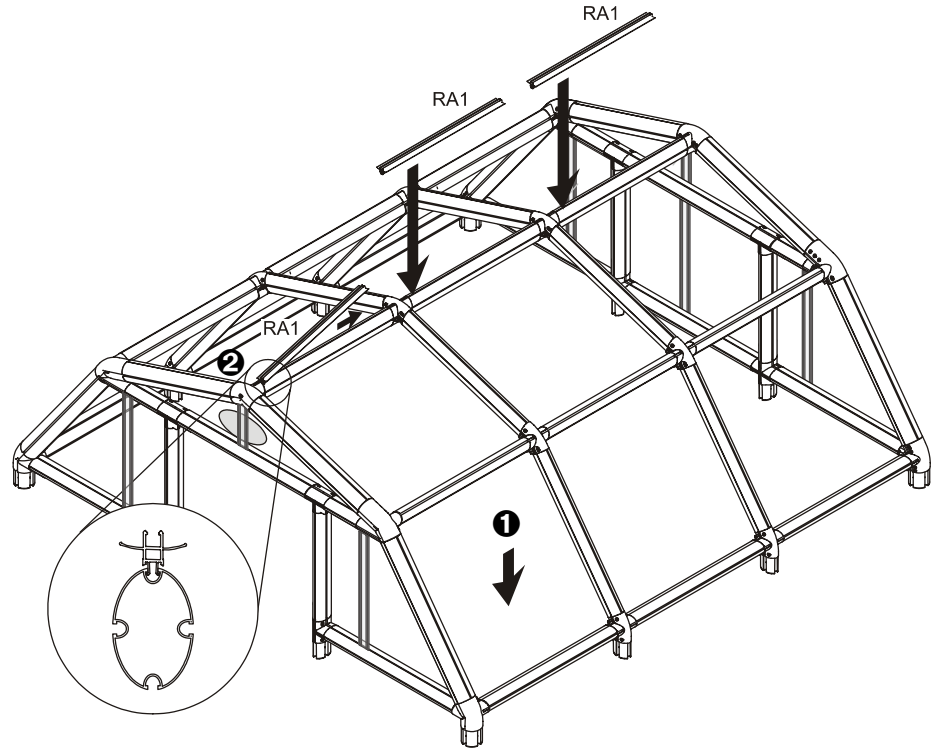
- 1 Assemble one arch.
- 2 Lock the parts in place using pins.
- 3 Assemble the rest of the arches according to the number of GHM modules you have purchased.



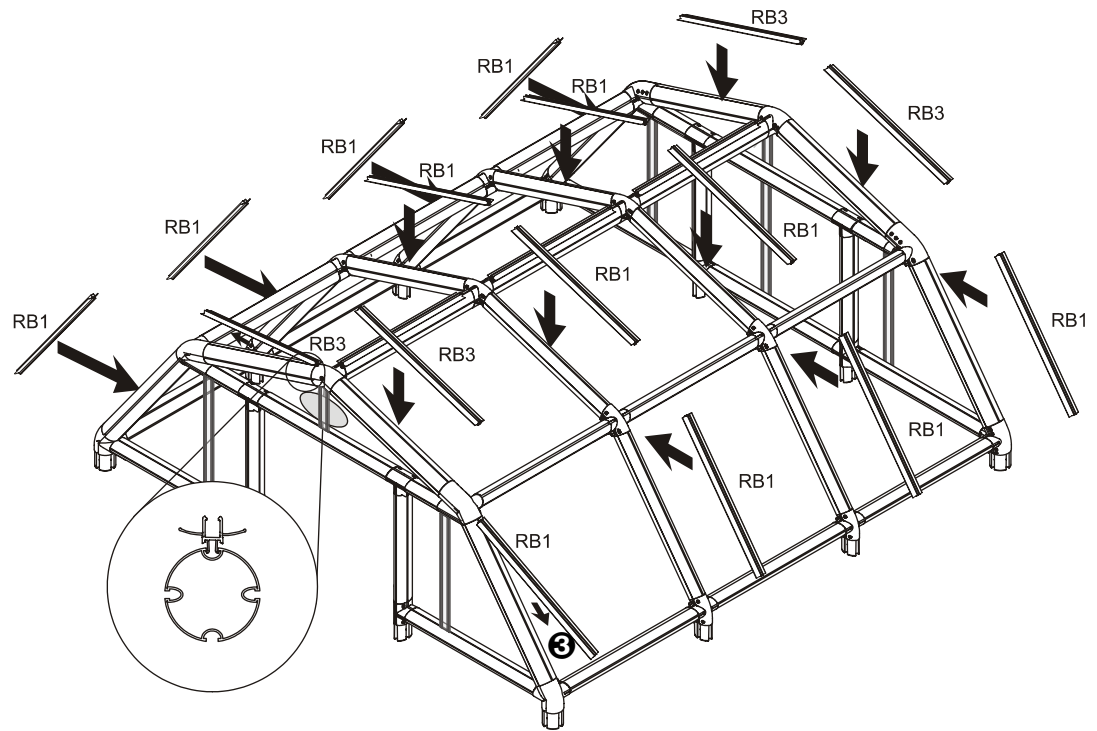
- 4 Add E2 profiles to the front pediment.
- 5 Lock the parts in place using pins.
- 6 Add E2 profiles to the completed ribs according to the number of modules you have purchased and lock them into place with pins.
- 7 Complete the roof by attaching the back pediment. Lock it into place with pins.

Cover the Greenhouse Roof

- 1 Step in the framework of the lower window to conveniently reach the top of the roof.
- 2 Place RA1 glazing elements on the top of the roof by placing one end in the top channel and pushing it down along the length of the profile.

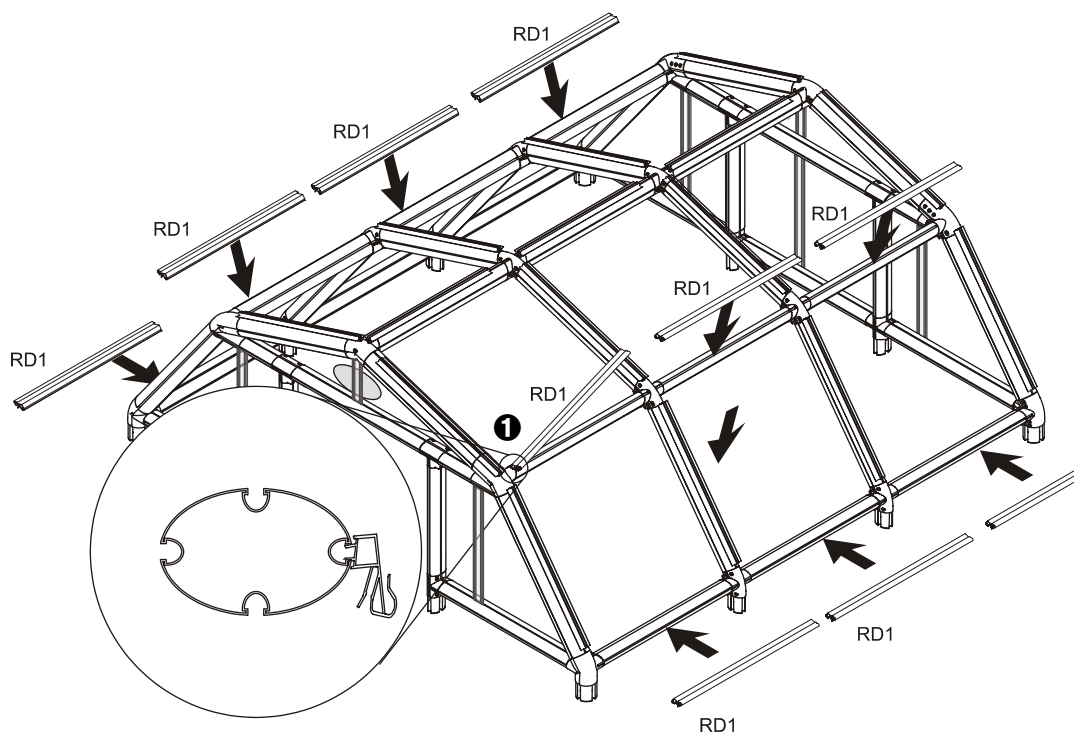


- 3 Place RB1 and RB3 glazing elements along the arches where shown. Place one end of the RB elements in the channels of the profiles and slide them down the length of the profile.



- Place RD1 elements where shown by placing one end in the channel and pushing it down along the length of the profile.

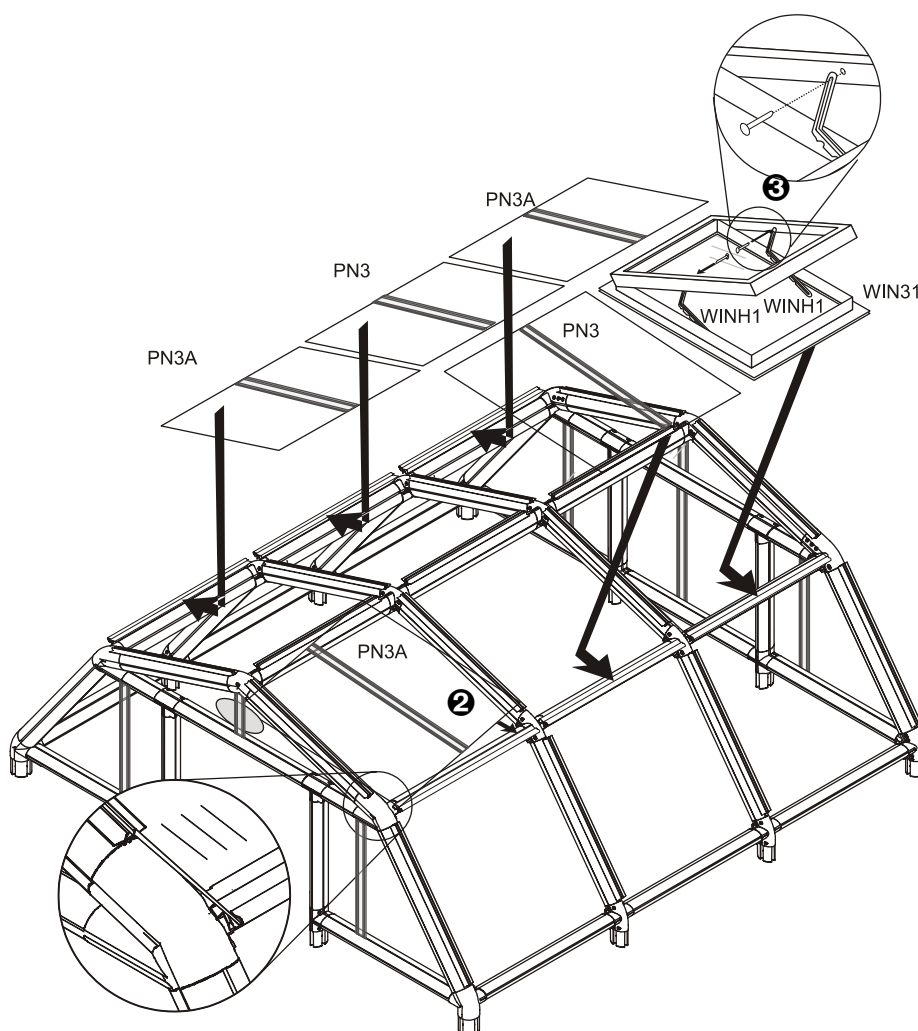
Note: You may find it easier to insert RD elements into profiles by pushing them in from the top while rolling the element downwards.



- Place each PN3 and PN3A panel in place by sliding one corner into the RD1 glazing element and then continue until it is fully inserted and lying flat. Make sure that the plastic ID strip is facing the outside.

- Assemble the two WINH handles of the WIN31 Roof Vent using the included pins and place the roof vent in one of the back spaces.

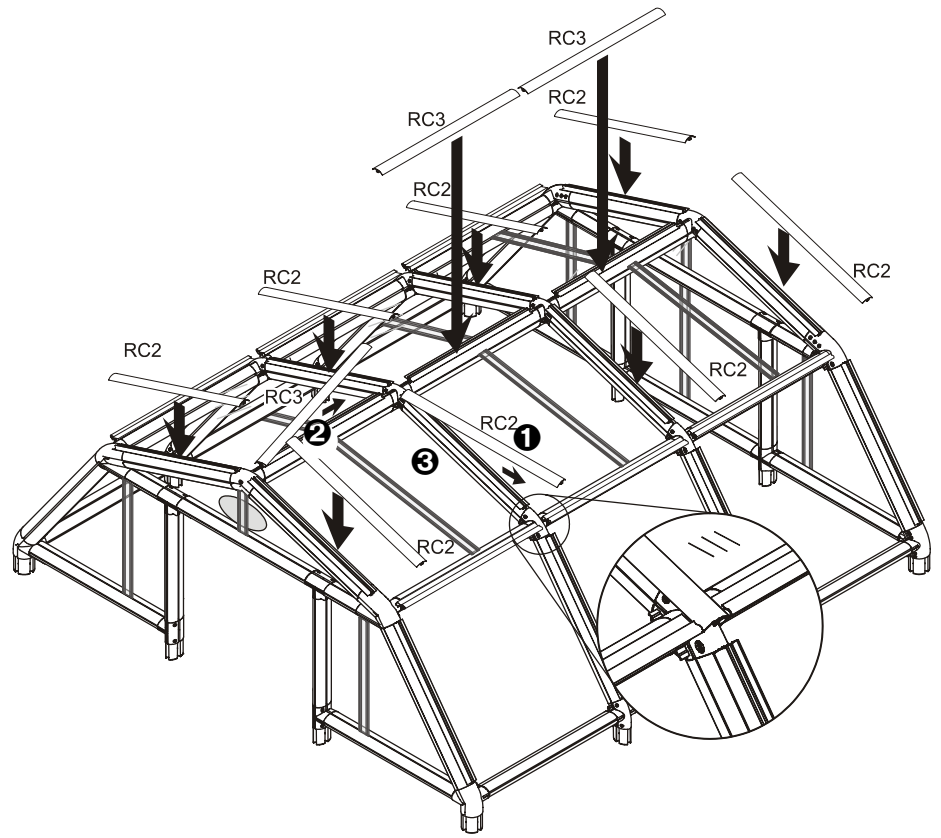
Note: Assembly instructions for additional roof vents are included in the packaging.



❶ Lock the sides of the PN3 and PN3A panels and roof vent in place using RC2 glazing elements. Make sure that the end of the RC glazing elements are in line with the bottom of the RD elements.

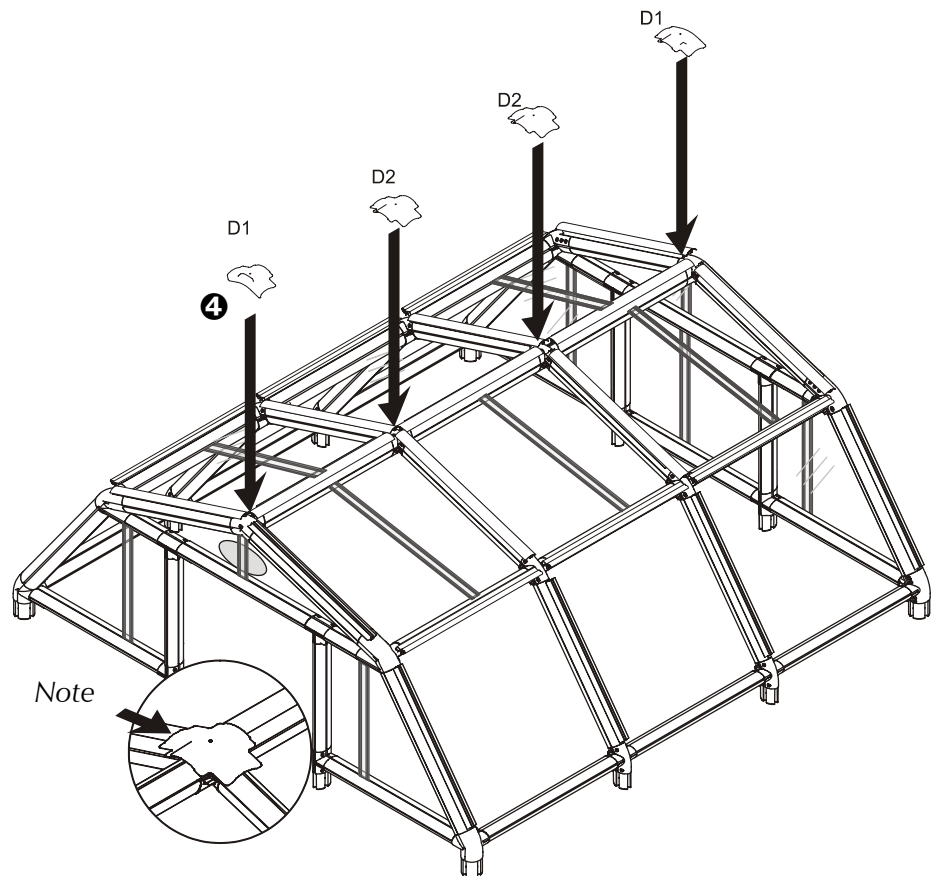
❷ Finish locking the panels into place by placing RC3 glazing elements across the top of the roof.

❸ Remove the ID strips from the panels.



❹ Snap the roof caps in place on the top rib intersections.

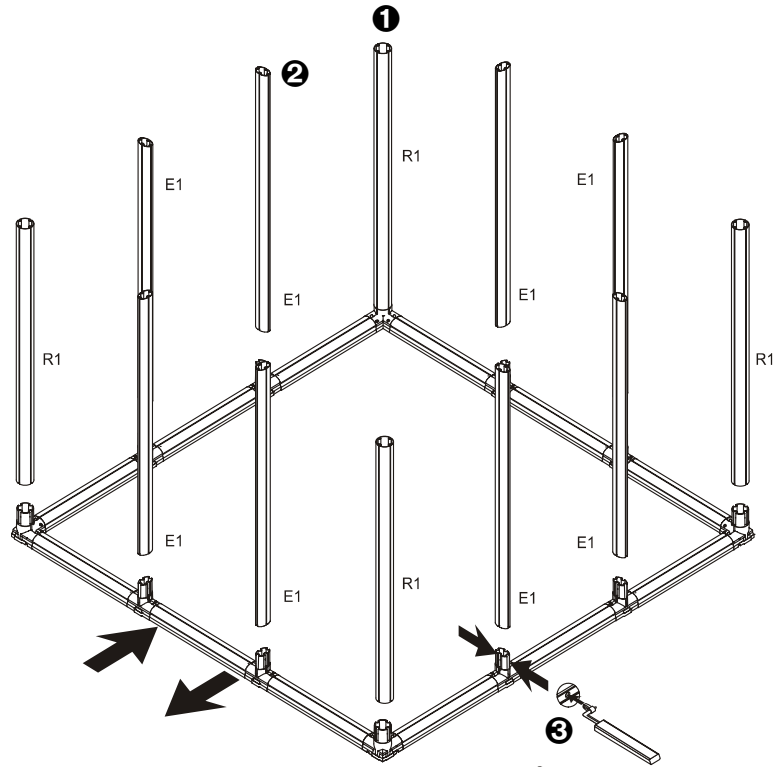
Note: If you need to remove the roof caps push them on one side and lift.



Raise the Roof

- 1 Put the R1 round profiles in place.
- 2 Add the E1 oval profiles until the frame is completed.
- 3 Insert two pins in each column to lock them in place. Do not insert pins in the inner (panel) channels of the column profiles.

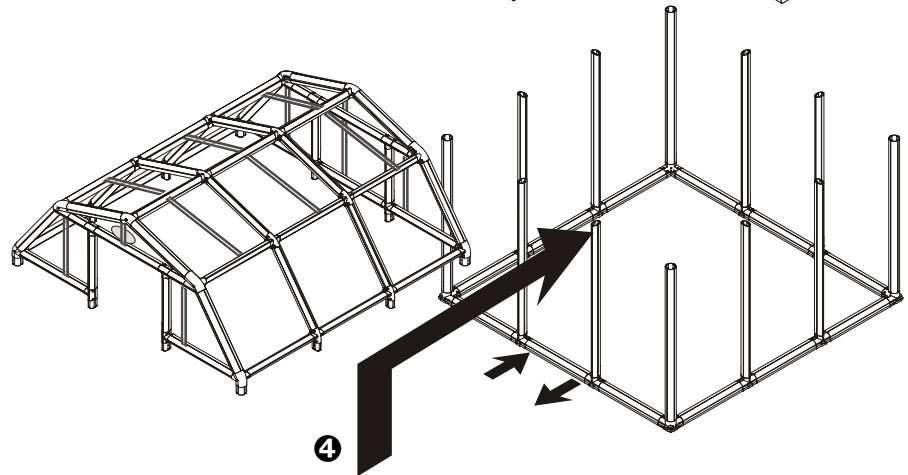
Note: If there is no wind you may install the PN1 panels before putting the roof in place (page 17)



- 4 Place the roof on the completed frame.

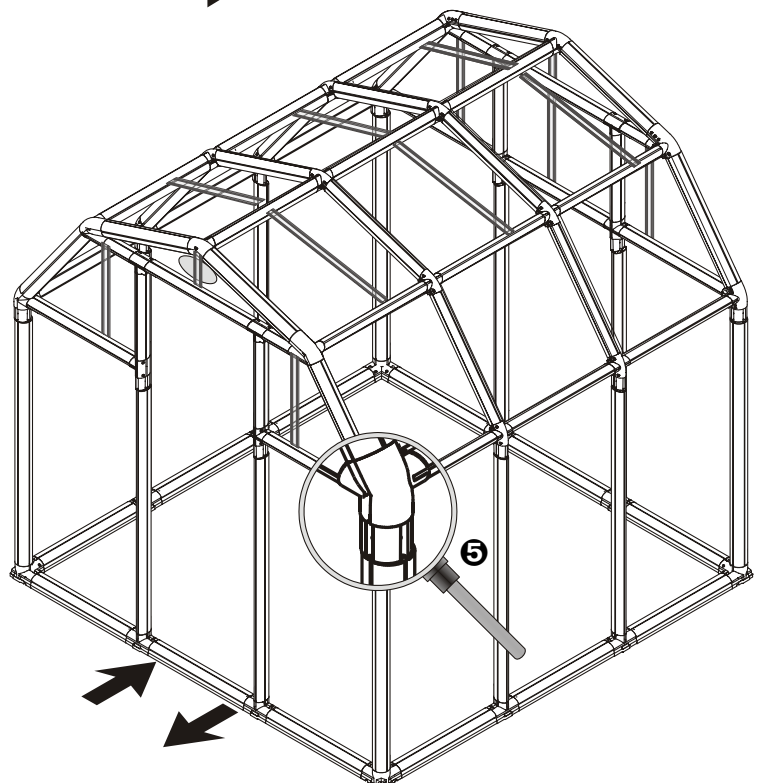
Note: You will need the help of another person for a short while to lift the roof and put it in place.

Make sure that the roof is in the same orientation as the frame. Lift the roof from both edges and walk through the door towards the back wall.



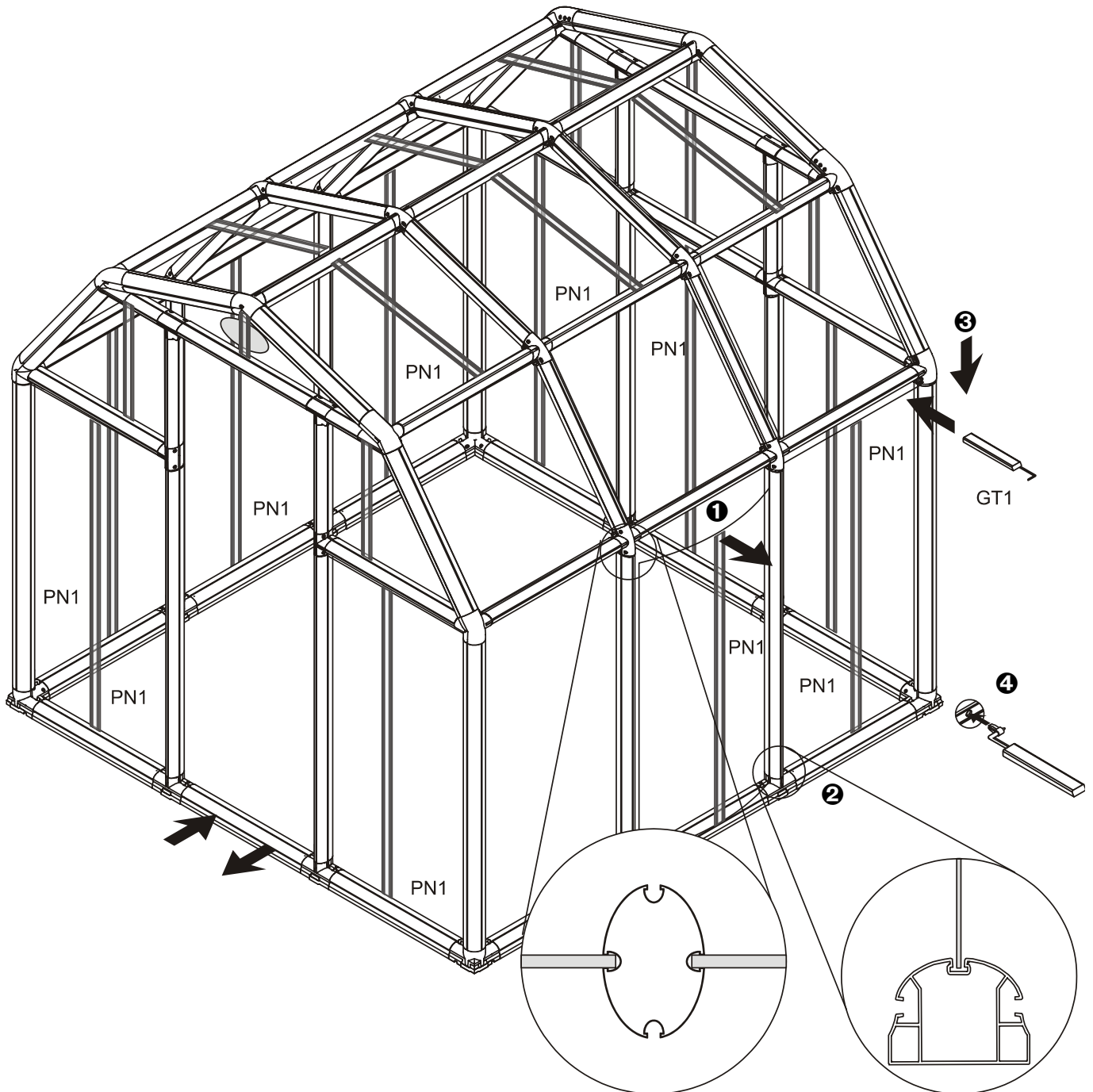
- 5 Place the roof on the columns and circle around the greenhouse and insert the first 1 cm (1/2") of the roof connectors into the columns.

Note: Do not insert the connectors all of the way into the columns at this time in order to provide enough space to install the panels in the next step.

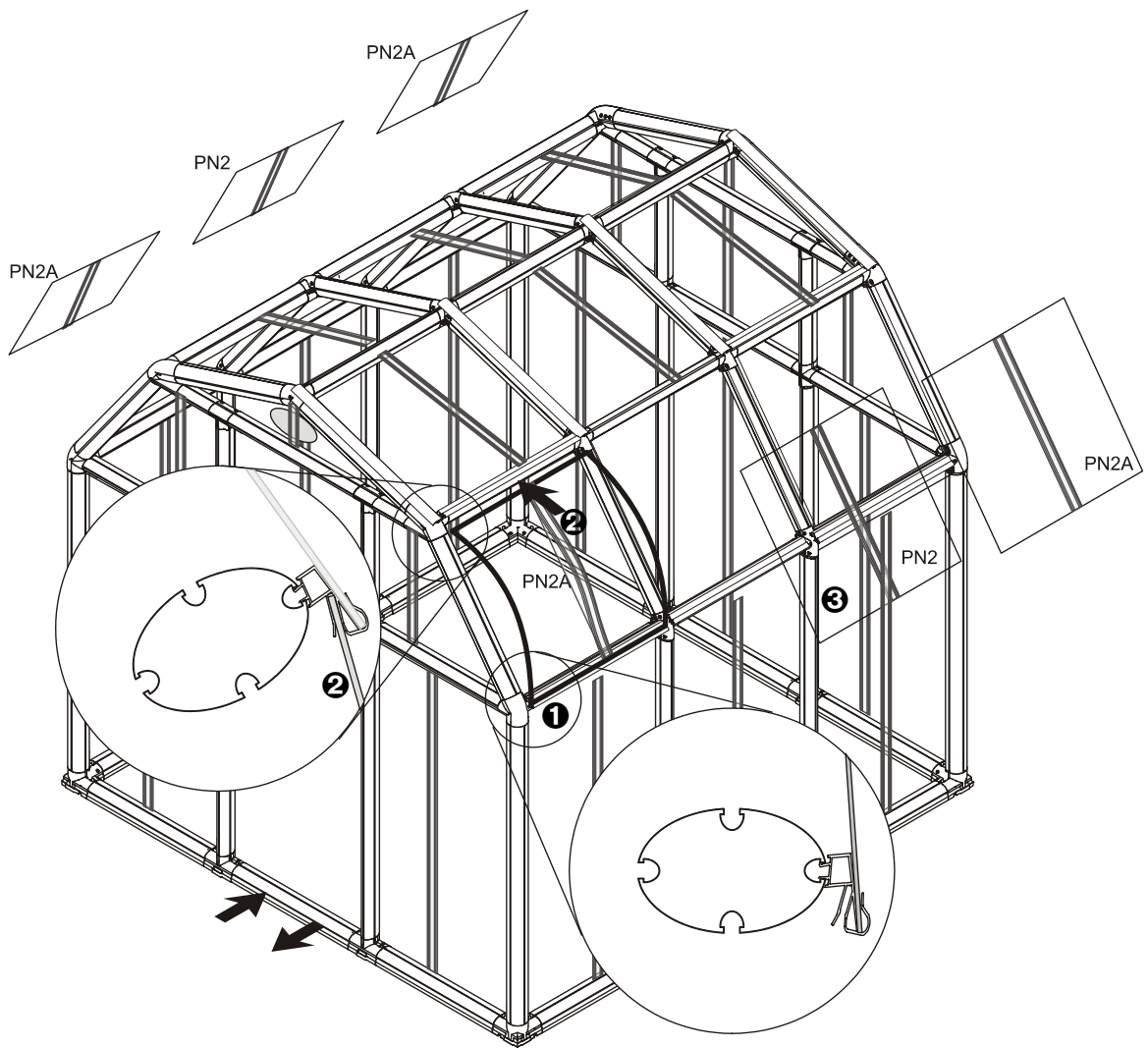


Cover the Walls

- 1 Make sure that the plastic ID strip faces out, and put the panel in place by gently curving it so that it enters the side channels of the columns. Slide the top of the panel into the channel in the bottom of the roof. Continue with the other PN1 panels.
- 2 Lower the panel towards the frame and slide it into the channel of the base. Continue with this procedure until all of the PN1 panels are finished.
- 3 Panel by panel, circle around the greenhouse and lower the roof into place. Use the GT1 glazing tool to guide the corners of the P1 panel into the channels.
- 4 Lock the roof in place with pins and remove the ID strips from the panels.

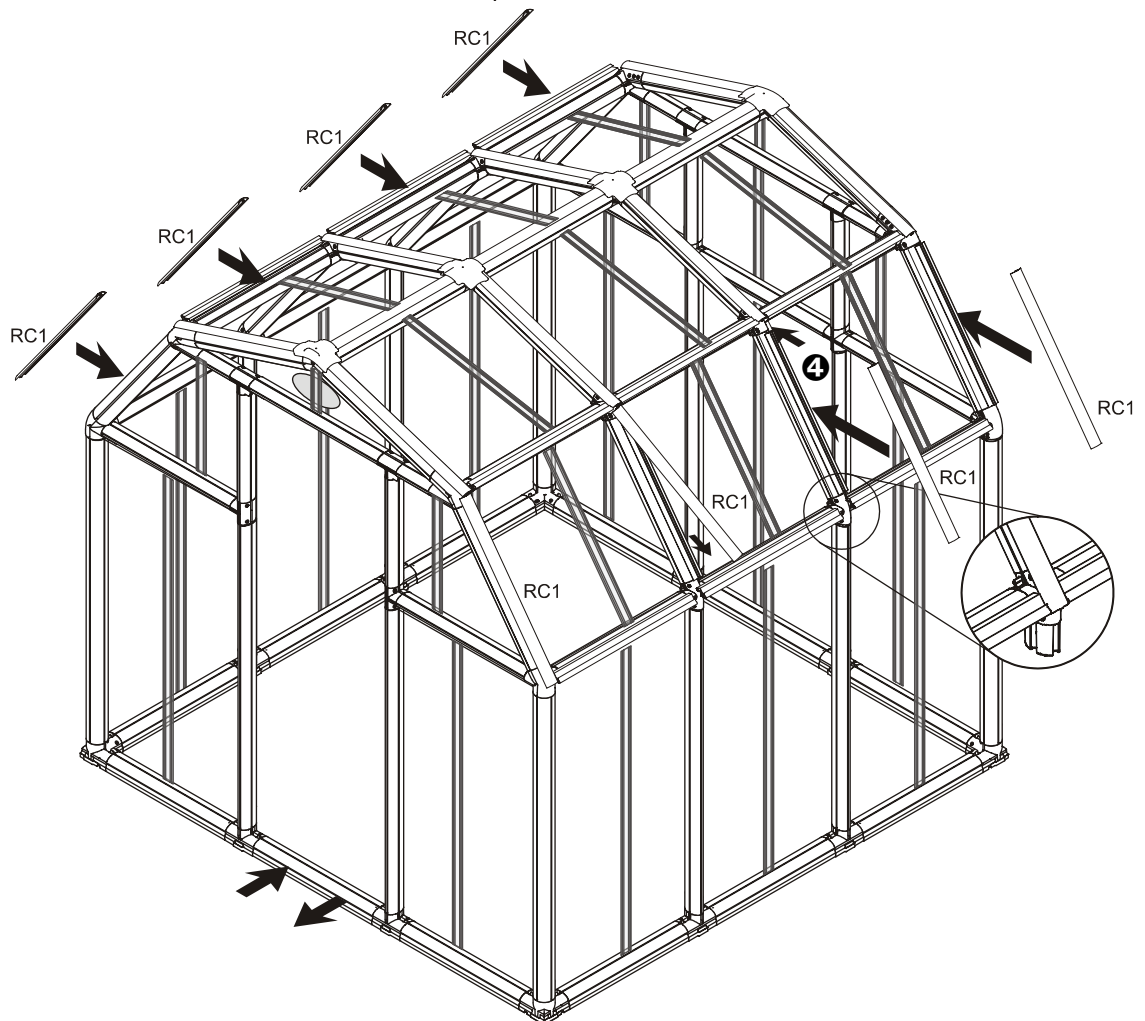


- ❶ Making sure that the plastic ID strip faces out, slide a PN2A panel into the lower RD1 element.
- ❷ Bend the panel until it enters the upper RD1 element.
- ❸ Continue with the rest of the PN2 and PN2A panels.



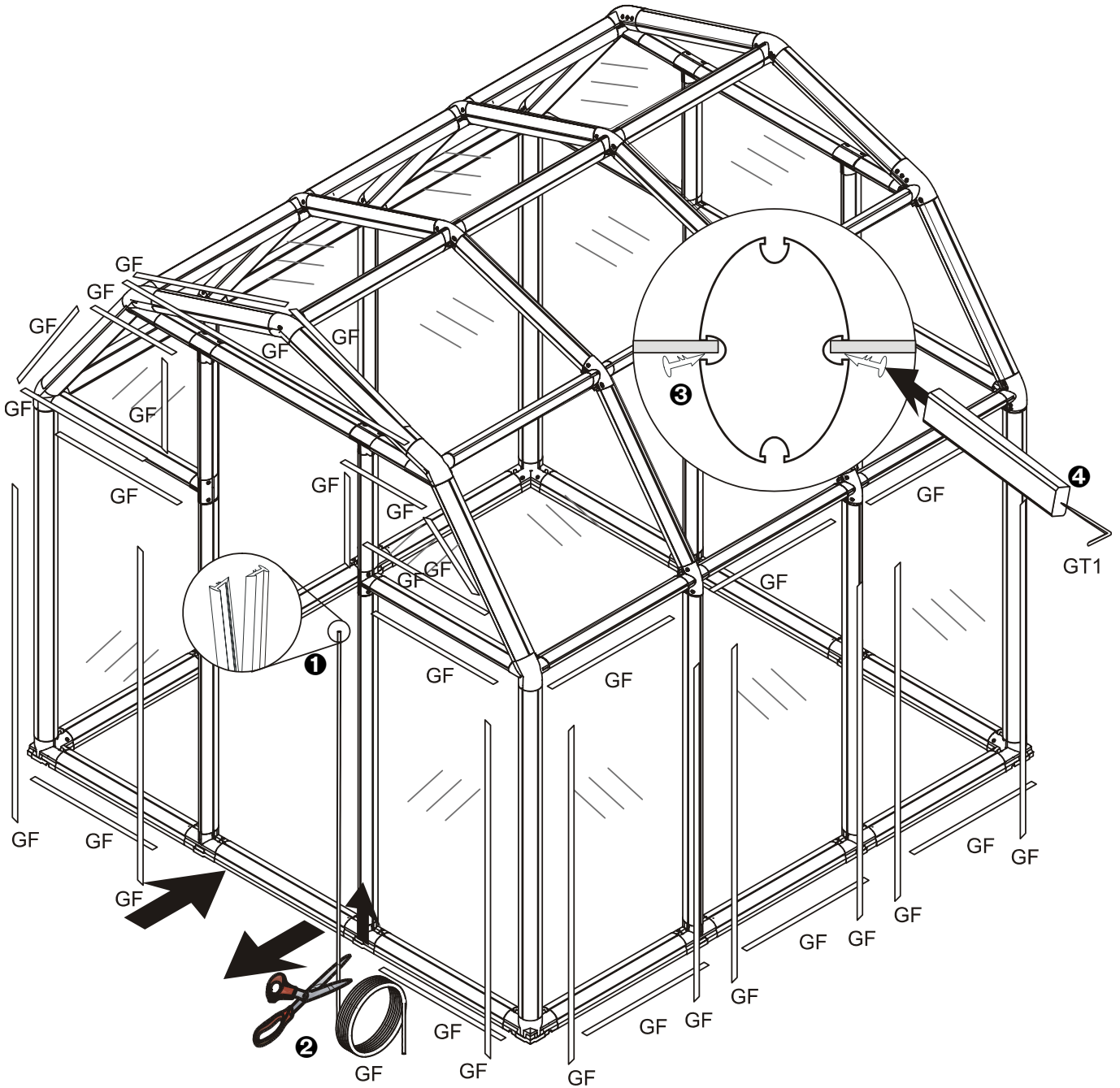
- ❹ Lock the lower panels into place using RC1 glazing elements. Make sure that the end of the RC glazing elements are in line with the bottom of the RD elements.

Note: You may now remove the remaining plastic ID strips from the panels.



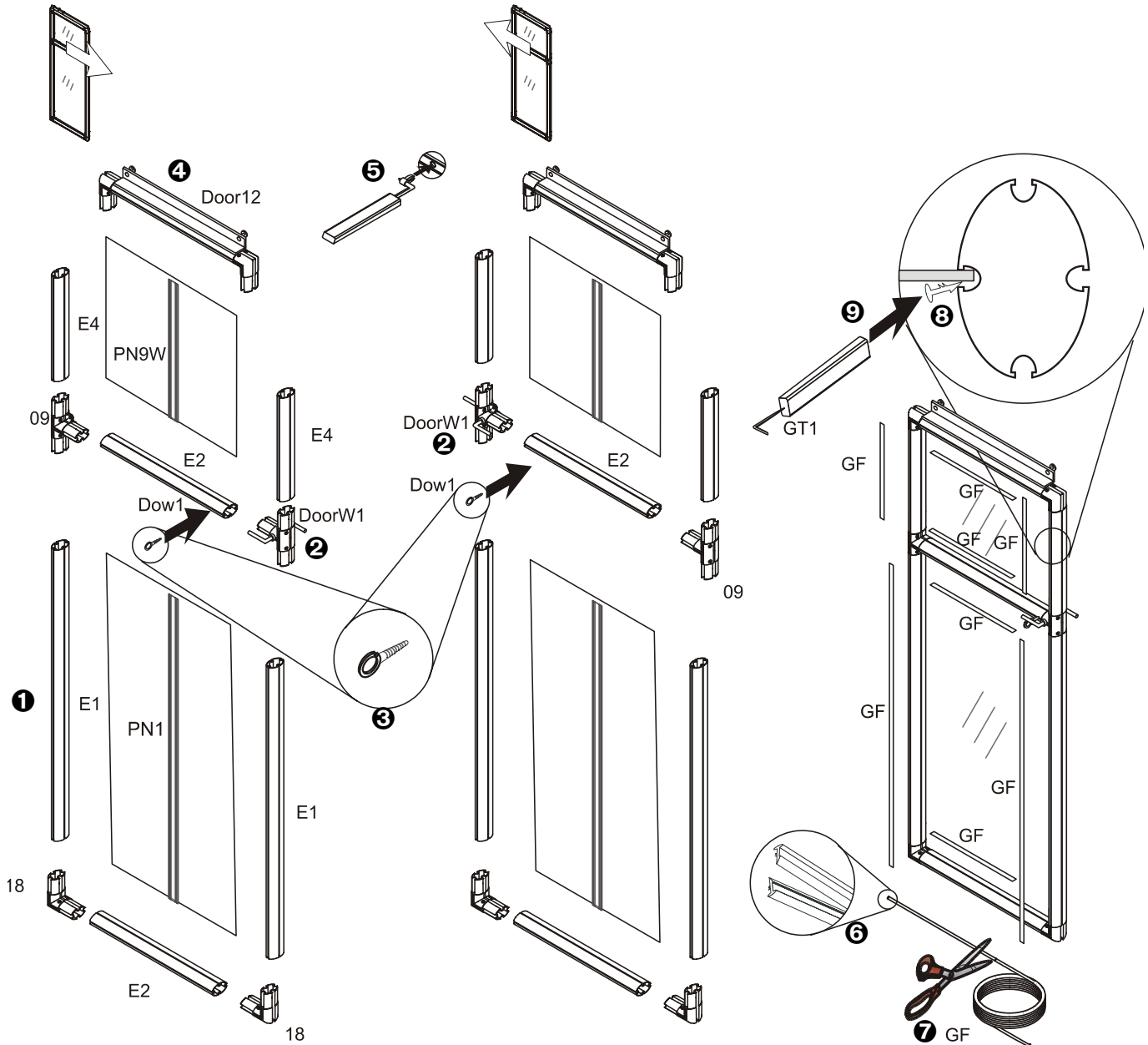
Seal Panels

- 1 Take the roll of GF sealer, divide it as shown, and pull out enough for one side of a PN1 panel.
- 2 Cut it to length.
- 3 Align it with the channel of the column profile with the double ridge facing the panel.
- 4 Push it in to seal the panel using the GT1 glazing tool if needed.
- 5 Continue until all four sides of the PN1 panel are sealed.
- 6 Repeat for the other PN1 panels and the panels in the front and back pediments.



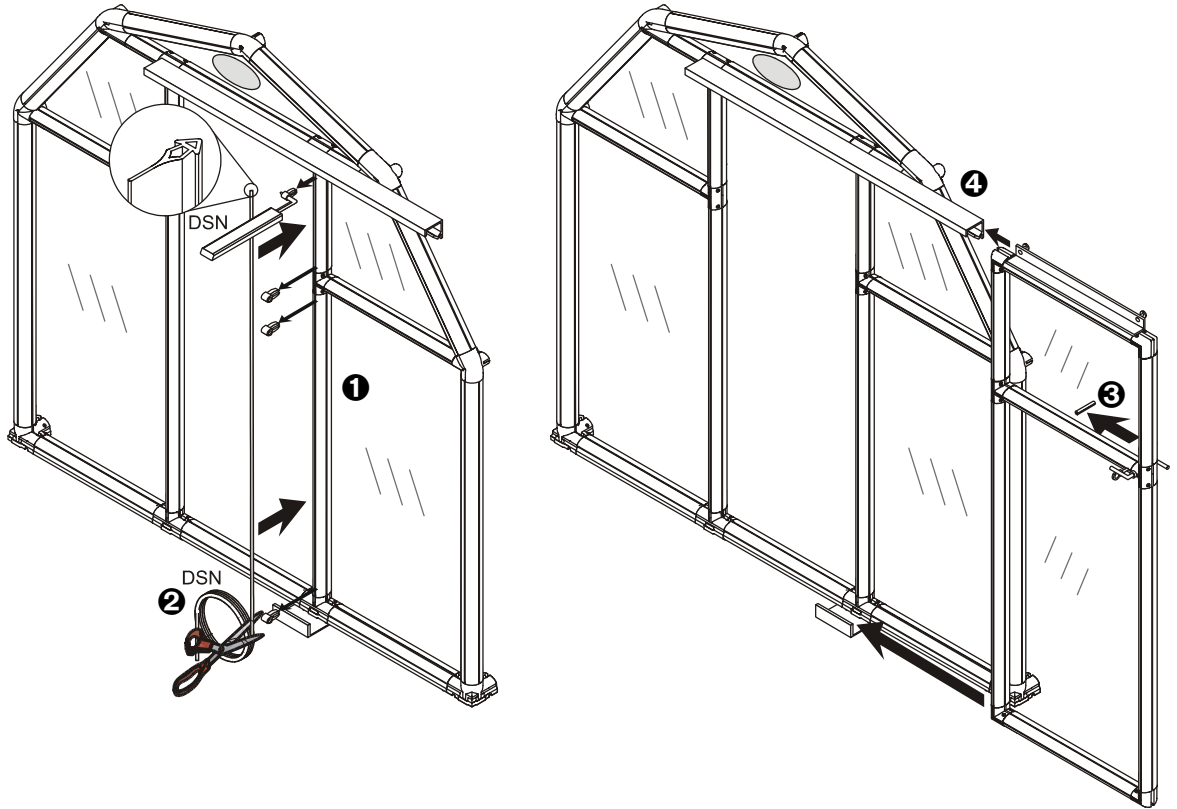
Assemble the Door (Sliding Door Model)

- ❶ Assemble the profiles and connectors of the lower portion of the door. Put the PN1 panel in place with the plastic ID strip facing outwards.
- ❷ Attach the DoorW1 connector on the side of the door to which you will open it.
- ❸ Screw the Dow1 Lock Holder through the E2 profile in the pin hole.
- ❹ Assemble the upper portion of the door, noting the direction of the Door12 Slider. Put the PN9W panel in place with the plastic ID strip facing outwards.
- ❺ Lock the door together with pins. You may now remove the plastic ID strips.
- ❻ Take the roll of GF sealer and divide it as shown.
- ❼ Measure GF sealer for the edges of both panels.
- ❽ Align the GF with the channels of the column profiles with the double ridge facing the panels.
- ❾ Push them in to seal the panel using the GT1 glazing tool if needed.



Attach the Door (Sliding Door Model)

- ❶ Remove the pins from the side of the doorway where shown.
- ❷ Cut a piece of DS Door Sealer and place in the channel.
- ❸ Remove the pre-split inner sleeve from the DoorW1 door handle to allow it to slide in and out.
- ❹ Slide the door into the sliding track. Make sure that the bottom of the door is inside the door slider.

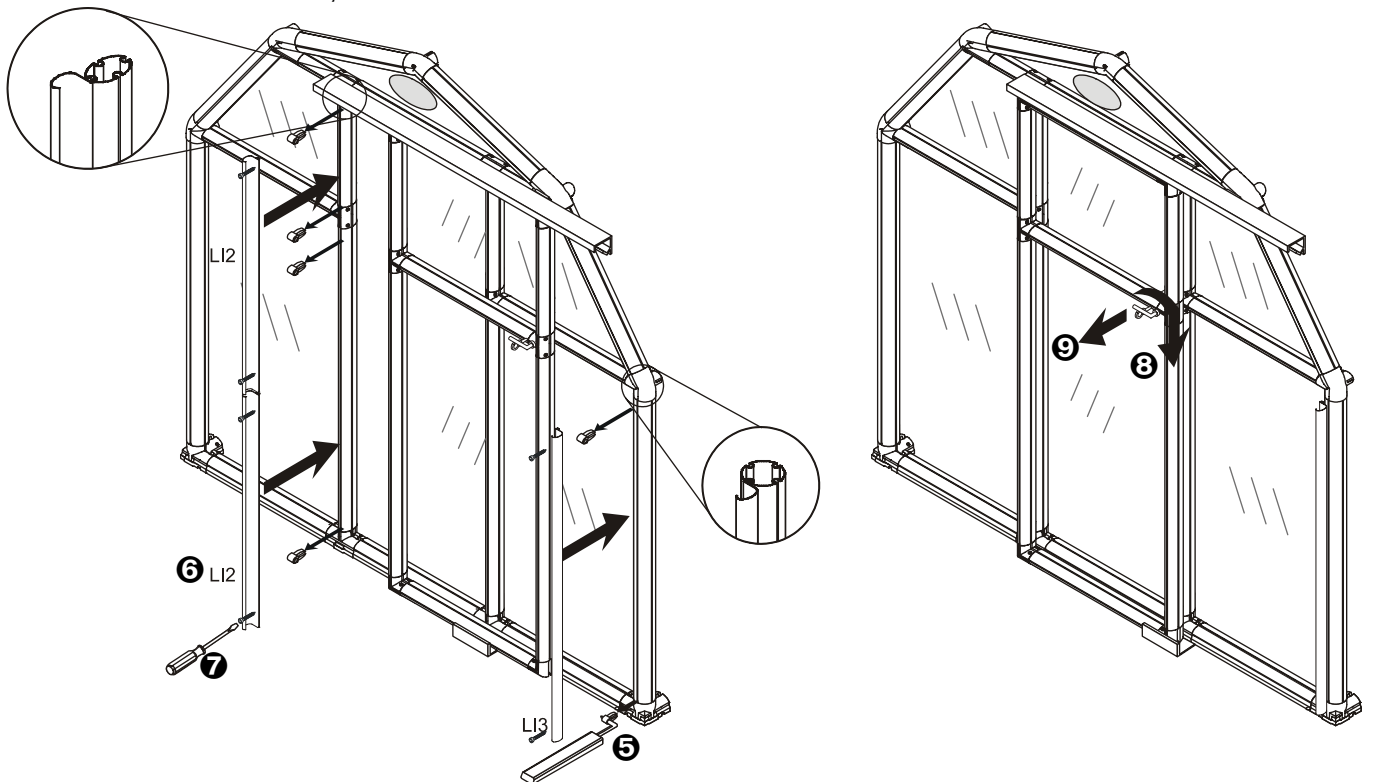


Note: If your Greenhouse slides open to the left reverse the orientation of the parts.

- ❺ Remove pins where shown.
- ❻ Attach the LI2 and LI3 doorstops. Make sure that the door slides easily and freely.
- ❼ Tighten the doorstops with screws.

To open the sliding door:

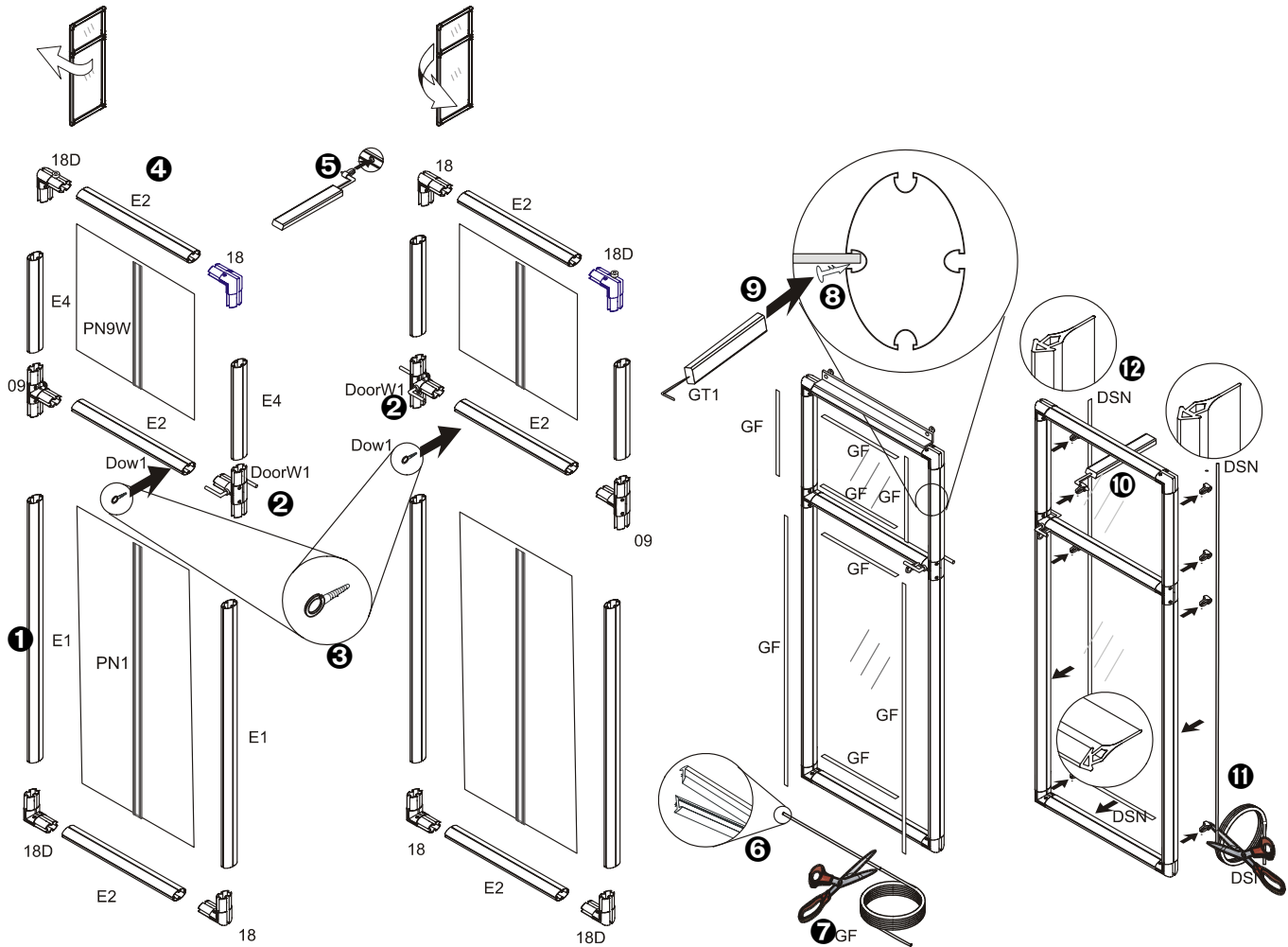
- ❽ Turn the handle in an downwards direction.
- ❾ Pull the handle towards you and slide the door.



Note: If you have set up your greenhouse to open to the left, reverse the direction of the doorstops.

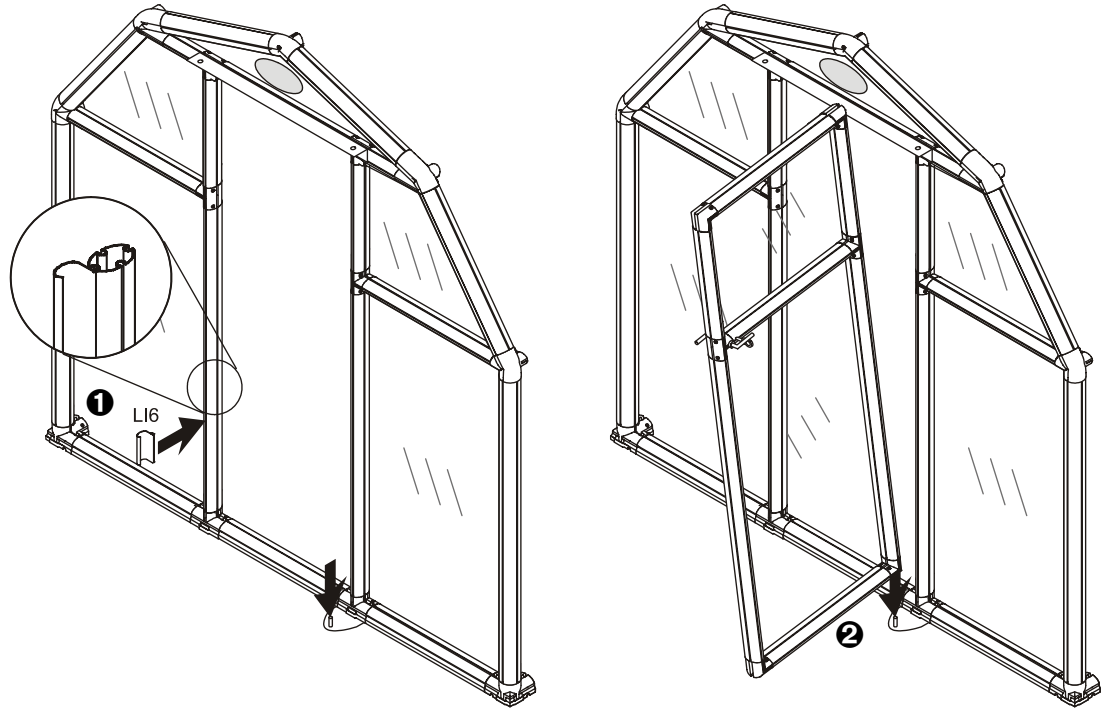
Assemble the Door (Hinged Door Model)

- ❶ Assemble the profiles and connectors of the lower portion of the door. Put the PN1 panel in place with the plastic ID strip facing outwards.
- ❷ Attach the DoorW1 connector opposite the 18D hinge connectors.
- ❸ Screw the Dow1 Lock Holder through the E2 profile in the pin hole on the side of the DoorW1 connector.
- ❹ Assemble the upper portion of the door. Put the PN9W panel in place with the plastic ID strip facing outwards.
- ❺ Lock the door together with pins. You may now remove the plastic ID strips.
- ❻ Take the roll of GF sealer and divide it as shown.
- ❼ Measure GF sealer for the edges of both panels.
- ❸ Align the GF with the channels of the column profiles with the double ridge facing the panels.
- ❾ Push them in to seal the panel using the GT1 glazing tool if needed.
- ❿ Remove the pins from inner sides of the door where shown.
- ⓫ Cut three pieces of DS Door Sealer and place in the channel of the inside of the door.

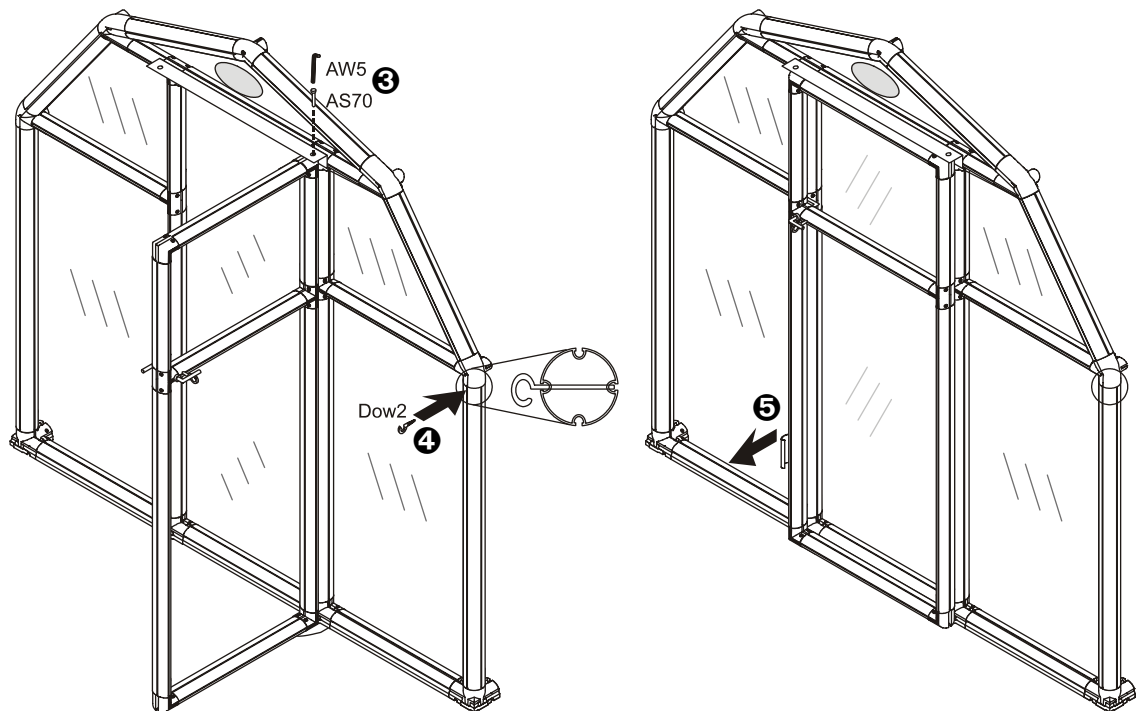


Attach the Door (Hinged Door Model)

- 1 Attach the LI6 Door Latch to the lower portion of the door frame.
- 2 Place the door on the lower hinge.



- 3 Secure the door to the upper door lintel by screwing in the AS70 screw using the AW5 Allen wrench.
- 4 Screw the Dow2 Door Holder where shown by first removing the pin. The end of the door holder should be flush with the inner surface of the round profile.
- 5 To release the door pull the top of the LI6 Door Latch.



Note: Use the LI6 Door Latch to keep the door closed against the wind. We do not recommend closing the door when you are inside.

Final Touches

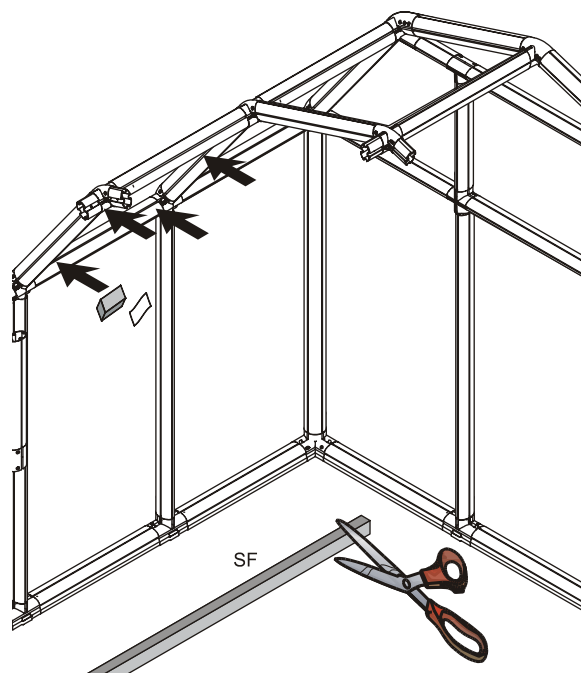
Go inside your new Greenhouse and seal any gaps between the PN2 and PN2A panels and the profiles using SF soft foam insulation. Cut pieces of SF soft foam insulation 2.5 cm (1") long, remove the adhesive backing, and place where shown, making sure that the area is clean and dry.

Congratulations! Your Greenhouse is now completed. You will find it easy to clean and maintain.

Put this manual in a safe place so you can refer to it if you decide to add options or need to make a repair.

For your safety and convenience, please take note of the following:

- Examine your Greenhouse for sharp edges and trim with a razor knife if necessary.
- It is important to clear your Greenhouse of snow in the winter.
- Make sure that the temperature in the greenhouse never exceeds 70° C (155° F). Ensure good ventilation during hot days or provide a shading screen. This is especially important if you live in a hot climate.
- Always close roof vents in high winds.



Rion offers a wide range of options for your new Greenhouse, including modular shelves, irrigation systems, additional windows, automatic window openers, and others.



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