



GRANDIO

G R E E N H O U S E S

Model **GRA-ASC-812 / GRANDIO 8X12 ASCENT**



Model GRA-88-GR Shown In Image

GREENHOUSE USER MANUAL

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Dear Valued Customer,

We would like to congratulate you on your new Grandio Greenhouse purchase. We are confident that you have made the right decision in choosing Grandio. Our greenhouses are made with high quality aluminium and polycarbonate and will last for many garden seasons to come.

Please take the time to carefully read this instruction manual for an easier and more enjoyable assembly experience.

Cheers!

Grandio Greenhouses

Save this owner's manual for future reference and if you need our help.

**CONTACT OUR CUSTOMER SERVICE
DEPARTMENT at:
1-866-928-3150**

Hours: 8:30a.m.-5:00p.m. Monday through
Friday (Mountain Standard Time)

**Backyard Living Source
9543 W. Emerald St., Suite 101
Boise, ID 83704
www.grandiogreenhouses.com**

IMPORTANT! PLEASE READ BEFORE BEGINNING ASSEMBLY

Before you begin take time to complete this check list. ✓

- ☐ Take inventory of all parts using the parts list at the back of this manual, we recommend labeling each piece with a label for easiest assembly.
- ☐ Be cautious where you place the polycarbonate panels as they will burn grass or plants if left on top of them in direct sunlight. Note that clear film side of panels should always face the sun and opal film side faces inside greenhouse.
- ☐ Plan out when and where you are going to place the greenhouse, we recommend that you place it in an area that will receive direct sunlight and will be protected from the wind as much as possible
- ☐ It will take at least (2) people to put the greenhouse together.
- ☐ Before your build, make sure you are allowed to build it! Consult all building codes, as well as City or Municipality ordinances and HOA's, as you may need a permit or documentation before you build.
- ☐ Contact your insurance company to make sure your Grandio Greenhouse will be covered on your policy.
- ☐ Call your local utilities companies before digging.
- ☐ Do not attempt to begin construction on a windy day.
- ☐ Your greenhouse should be built on a flat level surface allowing for drainage.
- ☐ Read this entire manual to get familiar with all pieces and parts prior to beginning assembly. Follow the steps outlined in the order presented!



IMPORTANT! SAFETY INSTRUCTIONS



FAILURE TO FOLLOW THESE WARNINGS MAY RESULT IN SERIOUS INJURY OR PROPERTY DAMAGE AND WILL VOID WARRANTY.

To ensure safety, do not attempt to assemble this product without following the instructions carefully. Check entire box and inside all packing material for parts and/or additional instruction materials. **Before beginning assembly, read the instructions and identify all parts using the hardware identifier and parts list on pages 35-40. Complete assembly and proper usage are essential to reduce the risk of accident or injury when using your Grandio Greenhouse.**

CAUTION: Do not leave polycarbonate panels laying on grass or leave in the sun or extreme heat, keep in a cool dry place until they are to be installed!! (May cause burning to plants or grass if left directly on top of them, also may damage panels due to the protective film adhering to panels.)

- Remove approximately 2 inches of film from all polycarbonate sheet edges before installing. Remove all protective film immediately after the construction is completed. Clear film side of panels should always face the sun and opal film side faces inside.
- Due to shipping, the grooves of some of the aluminum profiles may be too small to insert into the polycarbonate sheet, you may carefully use a screwdriver to pry the framework open so the polycarbonate sheet can be inserted smoothly.
- Do not use or store hot objects such as grills, blow torches, welding equipment, etc. in or near your greenhouse.
- Do not allow children or pets to play in greenhouse or in the set up area until assembly is complete.
- If using a ladder during assembly, use extreme caution.
- Clean level surface is essential to maintaining the solid integrity of the structure, Install the base correctly as described in manual. Please anchor the greenhouse down to a firm and level base.

TOOLS YOU WILL NEED FOR ASSEMBLY

- **Outdoor Construction Adhesive or Silicone Caulk**
- **Tape Measure**
- **Level**
- **Carpenter Square**
- **At Least 2 Adults**
- **Step Ladder**
- **Work Gloves**
- **Flathead Screwdriver**
- **No. 1, 2 and 3 Phillips Screwdrivers**
- **Masking Tape**
- **Safety Glasses**
- **10mm Wrench**



When you see this icon pay special attention to the helpful tips we have provided that will make installation more efficient.

PREPARE A FOUNDATION FOR YOUR GRANDIO GREENHOUSE

Before assembling your new greenhouse a proper foundation must be prepared. A number of anchoring options are acceptable, based on wind and ground conditions in your area.

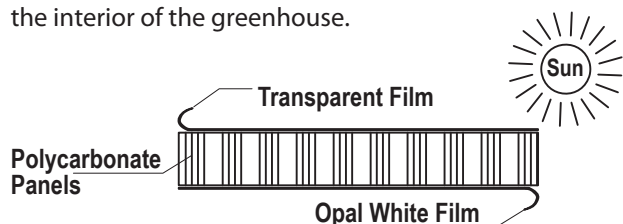
It is extremely important to have the area prepared and leveled for installation of your greenhouse prior to starting the assembly of your Grandio Greenhouse.

Decide at this time the final orientation of your Greenhouse. We recommend that you place your greenhouse in a location where it will receive the most direct sunlight and will be best protected from wind and storm conditions.

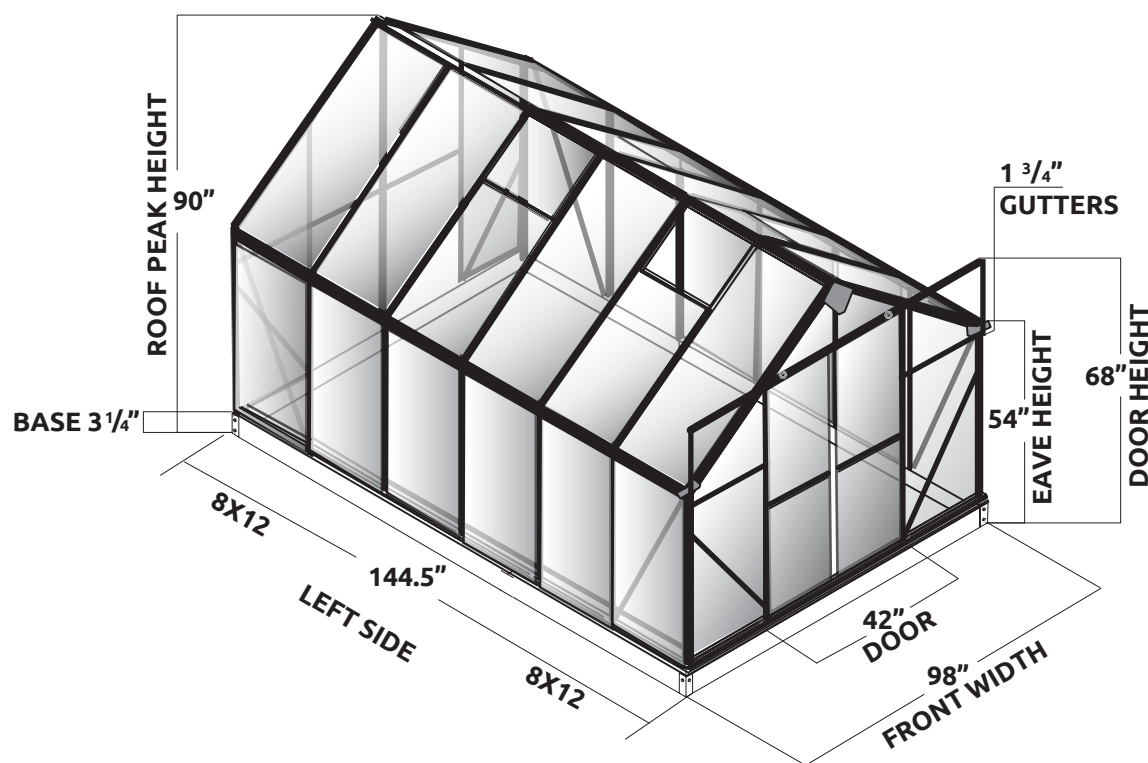
Go to www.grandiogreenhouses.com for foundation ideas and tour our online learning center for tips and tricks for putting your greenhouse together.

⚠ IMPORTANT: POLYCARBONATE PANELS ⚠

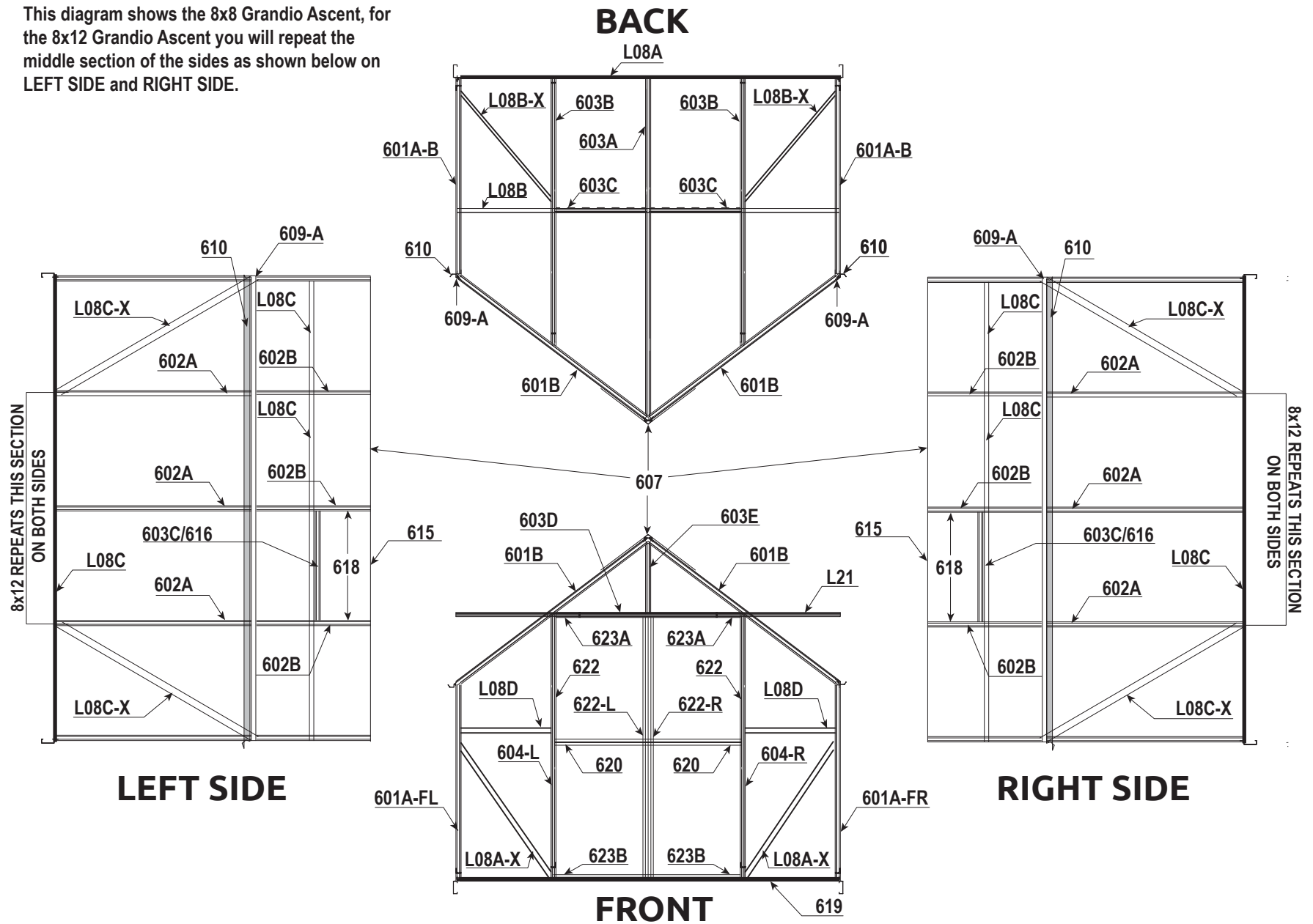
Remove approximately 2 inches of film on both sides of each panel prior to installation. Remove all film immediately after assembly is complete. The UV-Protected side is covered with transparent film and must face toward the sun. The side covered in opal film will always face the interior of the greenhouse.



GRANDIO ASCENT GREENHOUSE DIMENSIONS FOR 8X12



This diagram shows the 8x8 Grandio Ascent, for the 8x12 Grandio Ascent you will repeat the middle section of the sides as shown below on LEFT SIDE and RIGHT SIDE.





GRANDIO[®]

G R E E N H O U S E S

ASSEMBLY INSTRUCTION STEPS

STEP ONE: BASE ASSEMBLY

STEP TWO: FRONT ASSEMBLY

STEP THREE: BACK ASSEMBLY

STEP FOUR: MIDDLE ASSEMBLY

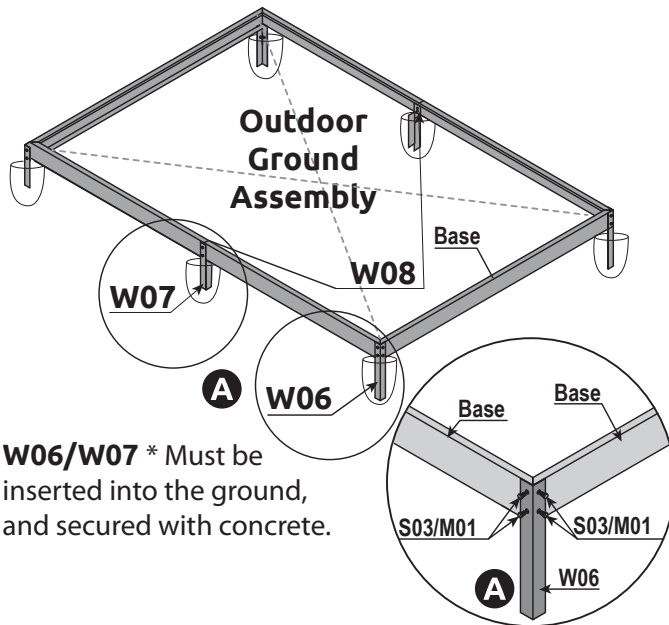
STEP FIVE: DOOR ASSEMBLY

| | |
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BASE KIT ASSEMBLY INSTRUCTIONS

****BASE MUST BE LEVEL & SQUARE, FOUNDATION MUST BE PROPERLY ANCHORED PRIOR TO GREENHOUSE ASSEMBLY**

A W06 must be buried in ground.



W06/W07 * Must be inserted into the ground, and secured with concrete.



Use: Quikrete fast setting concrete to anchor base. Pour in Quikrete and water no mixing required. (Not Included).

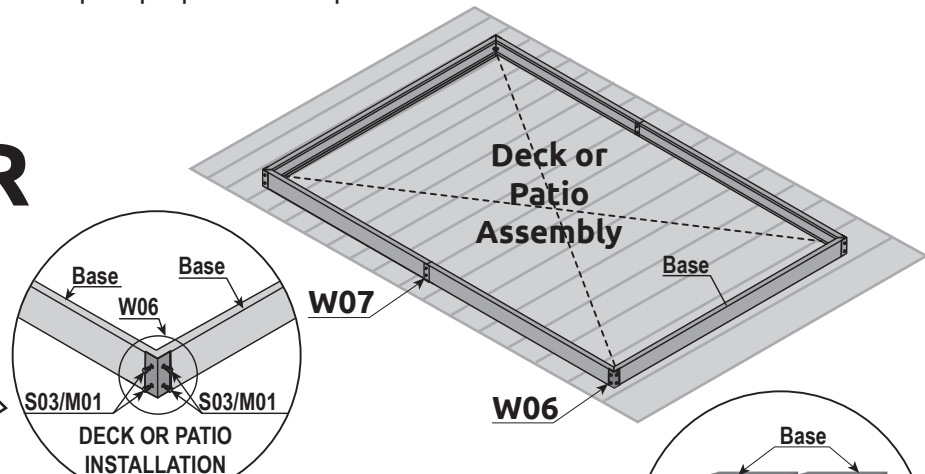


GRANDIO TIP Make sure base is squared and level before setting anchor into concrete. Use a measuring tape to ensure all corners are the same. Use level on all four sides.

OR

B W06/W07 must be cut for patio or deck installation

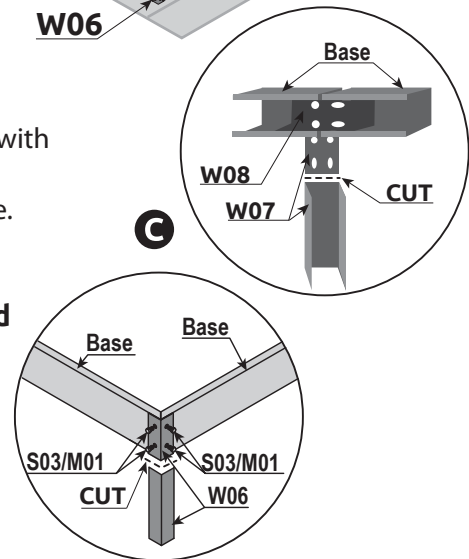
Drill holes in bottom of base to allow for proper fastener to pass through prior to moving forward with assembly. You determine and acquire proper fastener prior to installation.



B W06/W07 * Must be cut flush with frame. Use decking screws or concrete anchors to attach base. (Fasteners not included).

C W06/W07 Must Be Modified

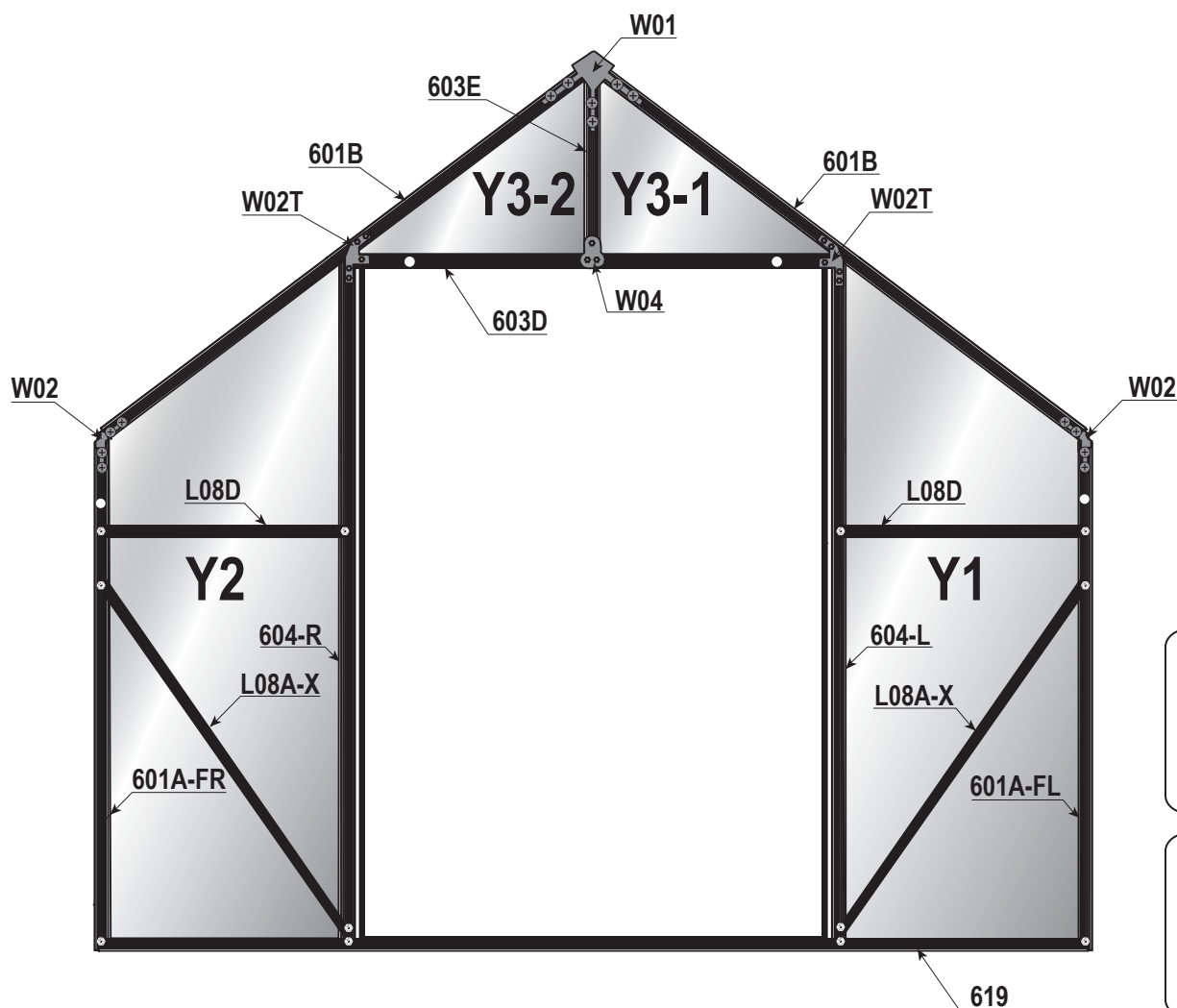
Use a Hacksaw or Tinsnip to cut down the length of **W06** and **W07**, then install cut side down to level surface.



STEP ONE

FRONT FRAME ASSEMBLY INSTRUCTIONS

This picture shows the inside view of front section fully assembled.



STEP TWO



We recommend watching our how to assembly videos with tricks and tips for easier assembly and installation of your Grandio Greenhouse at: www.grandiogreenhouses.com



Lay flat on ground to assemble the front frame of your greenhouse. If possible try to find a shady area protected from the wind. Panels can burn grass and plants if in direct light.

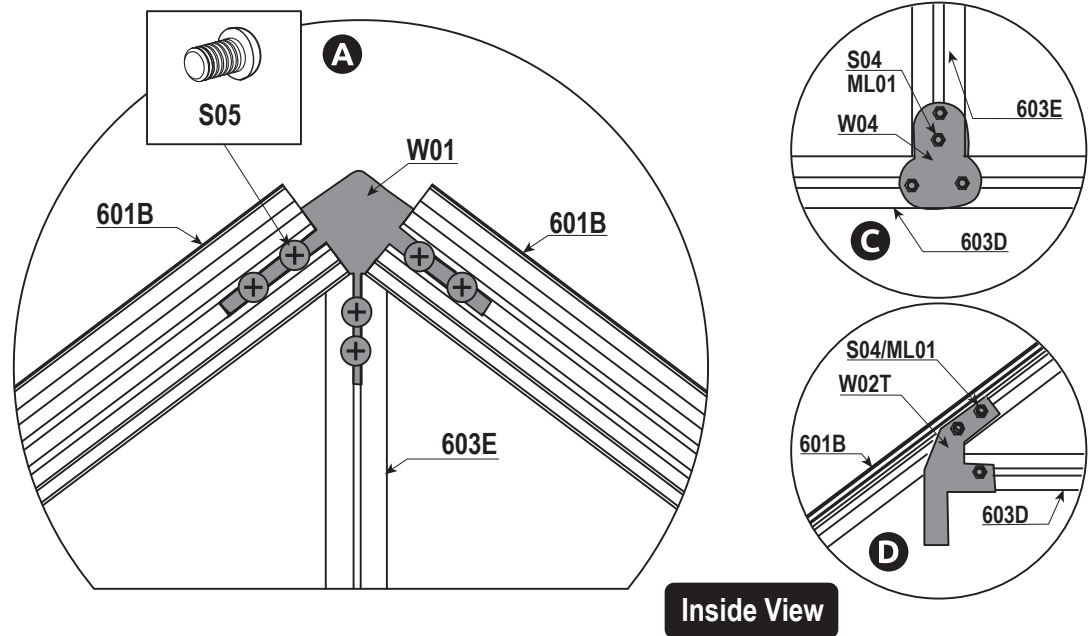
FRONT FRAME ASSEMBLY

2.1 Use **W01** bracket to attach the (2) **601B**'s together with the **603E**, secure parts with the **S05** fasteners provided as shown in **A**. Pre thread all fasteners for ease of installation.

2.2 Insert **Y3-1** and **Y3-2** window panels as shown in **B**.

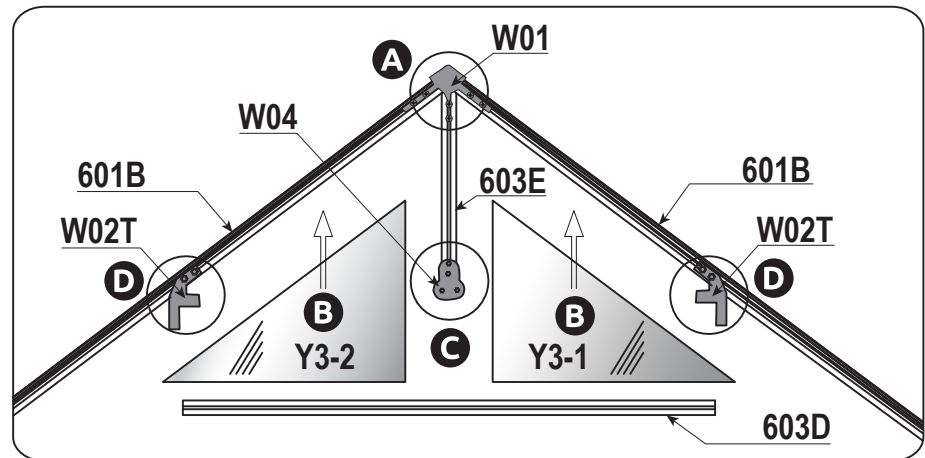
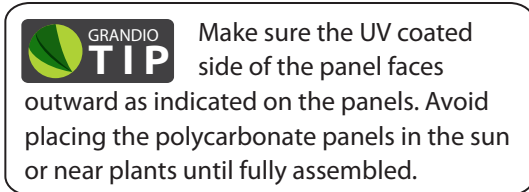
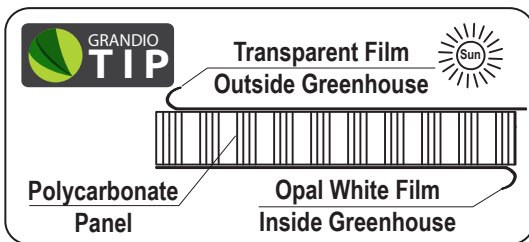
2.3 Attach **603E** and **603D** with **W04** and **S04/ML01** fasteners as shown in **C**.

2.4 Attach **W02T** to **601B** and **603D** with the **S04/ML01** fasteners as shown in **D**, leave a bit loose to ease installation of next step.



Inside View

STEP TWO

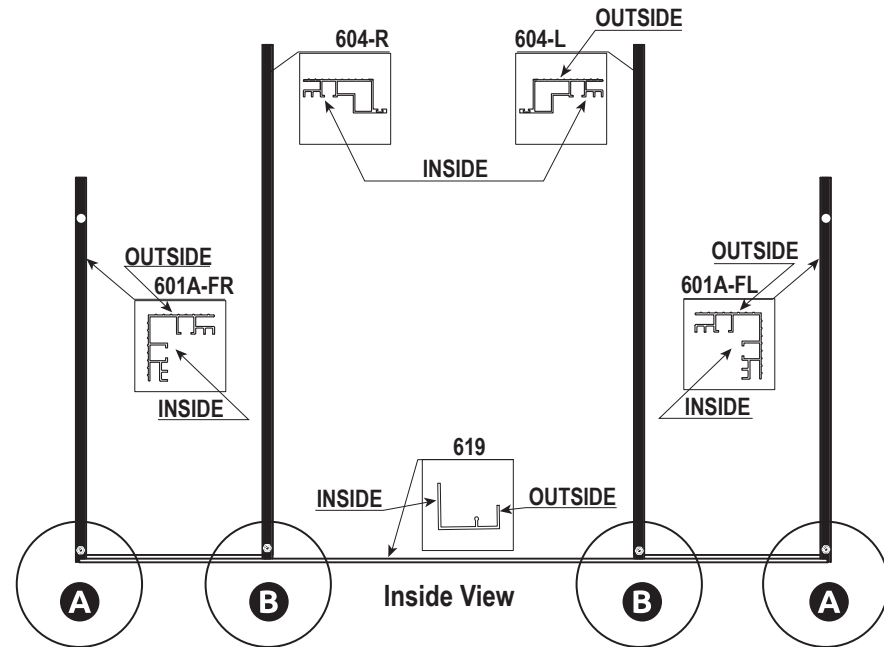


FRONT FRAME ASSEMBLY

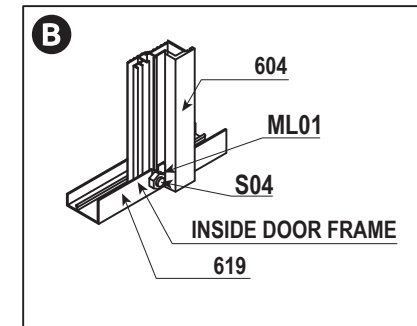
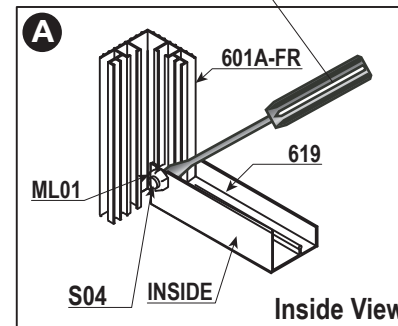
2.5: View diagrams and attach the (2) **604's** and (2) **601A's** to the **619**.

A shows where the corner pieces attach to **619**.

B shows where the door frame attaches to the **619**.



TIP: If necessary you may use a screwdriver to wedge behind the bolt head. This prevents bolt from falling into the track.

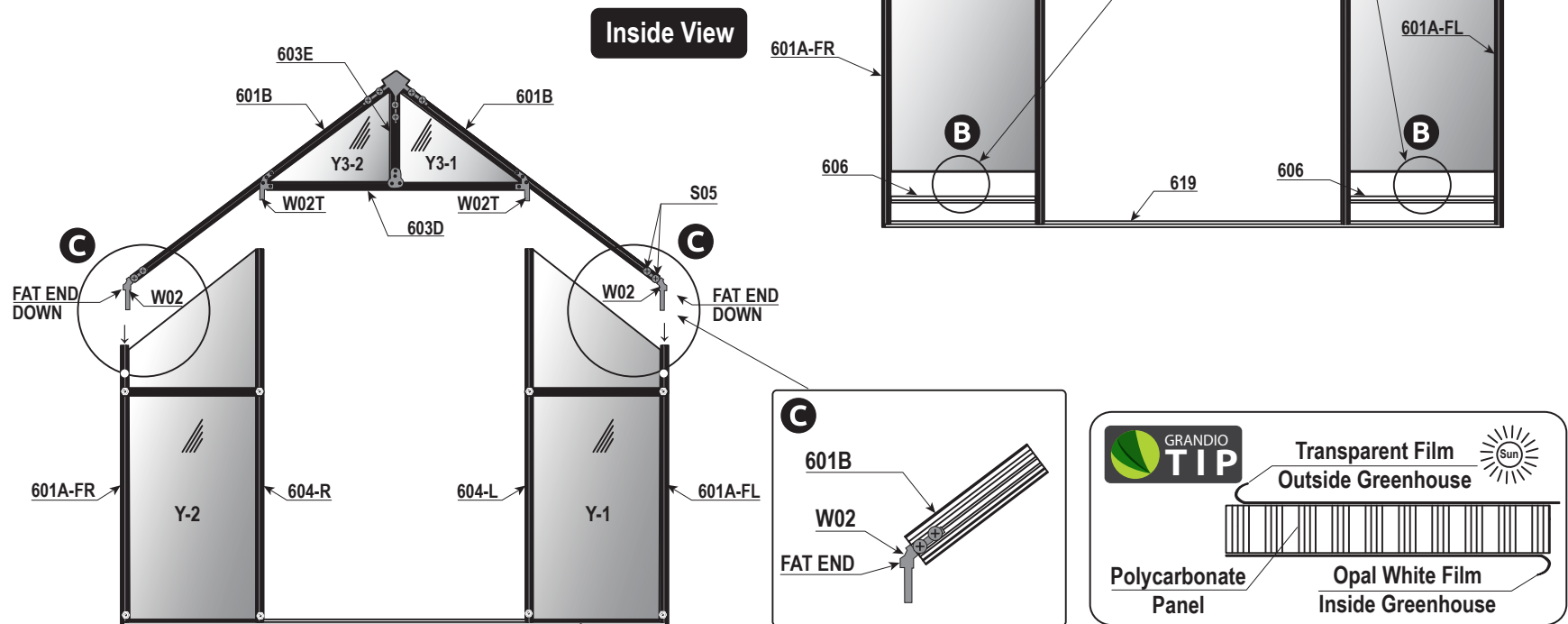


2.6: Attach **L08D** to **604** and **601A** using **S04/ML01** fasteners as shown in **A**.

2.7: Attach **606** to **619**, this will hold the polycarbonate panels in place.

2.8: Insert **Y1** and **Y2** polycarbonate panels into place, make sure **Y1** and **Y2** slide completely into **606** as show in **(B)**.

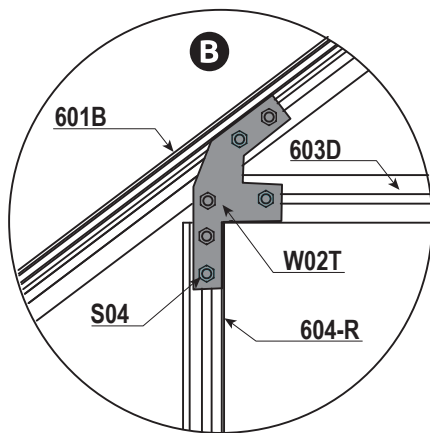
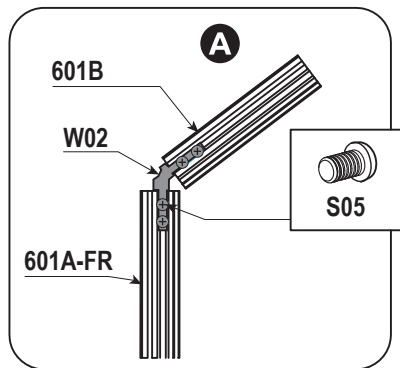
2.9: Attach **W02**'s to end of **601B**'s, with the **S05** screws as shown in **C**.



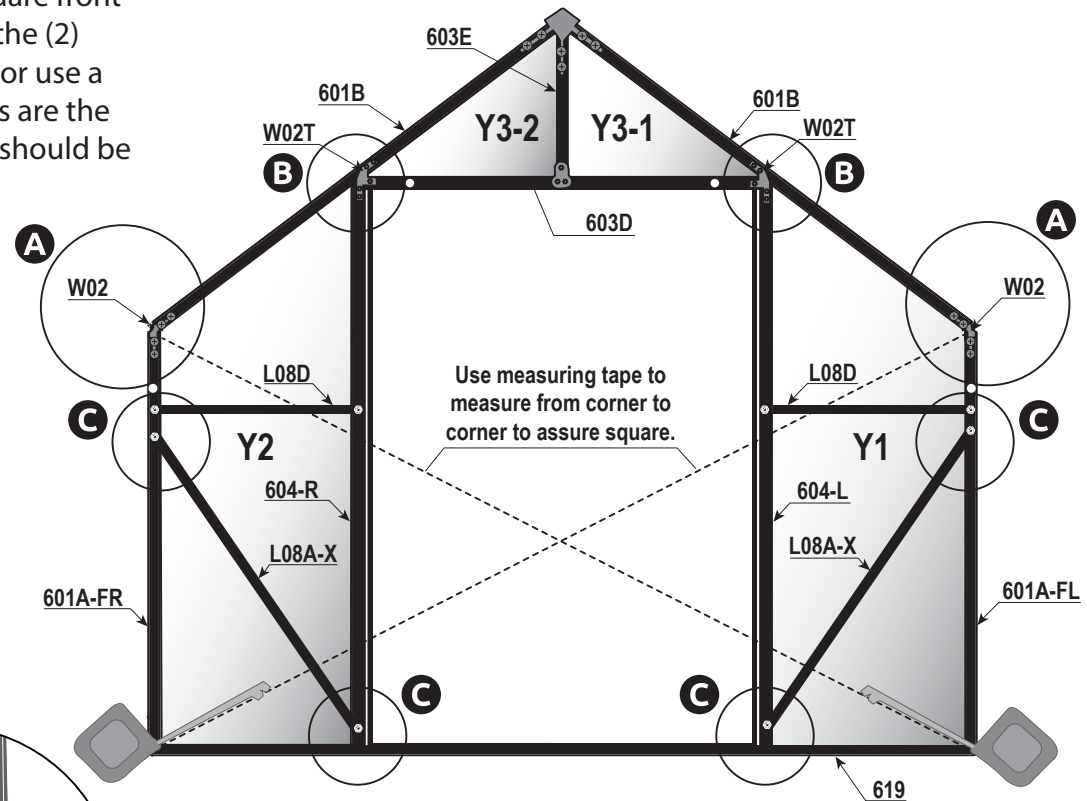
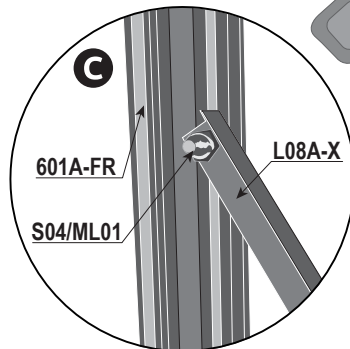
STEP TWO

2.10: Move roof and front section together and install all screws and bolts. As shown in **A** and **B**. Tighten **W02's** first then tighten the **W02T's** second.

2.11: Attach the **L08A-X** to **601A** and **604**. To square front section loosen **S04/ML01** attached to the tops of the (2) **L08A-X's**, square the frame with carpenter square or use a measuring tape to make sure corner measurements are the same, tighten **L08X's** to hold squareness, **L08A-X** should be attached **1"** up from bottom bolt see **C**.



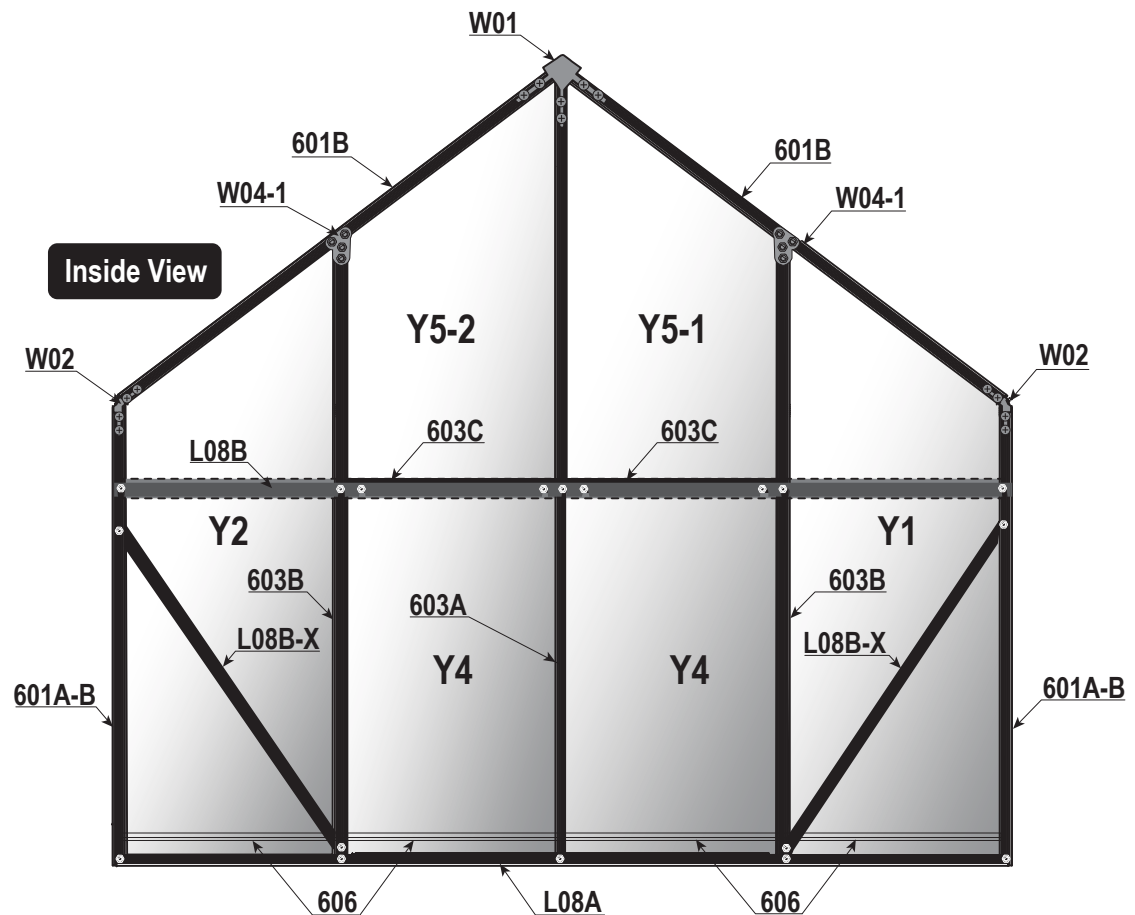
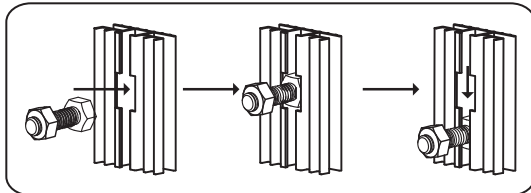
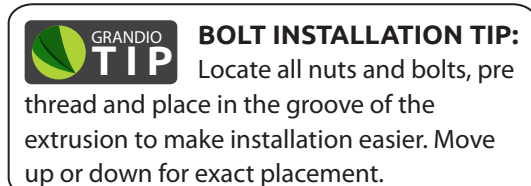
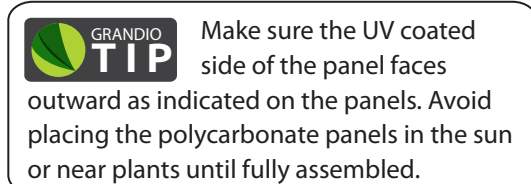
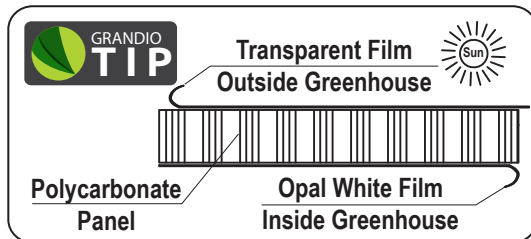
Inside View



GRANDIO TIP Set front aside in a shaded area, do not lay on grass, prolonged sunlight through the polycarbonate panels will burn if placed directly on top of plants during the intense sun of the day.

BACK ASSEMBLY INSTRUCTIONS

This image shows the inside view of the back wall assembly.



STEP THREE

BACK CONTINUED

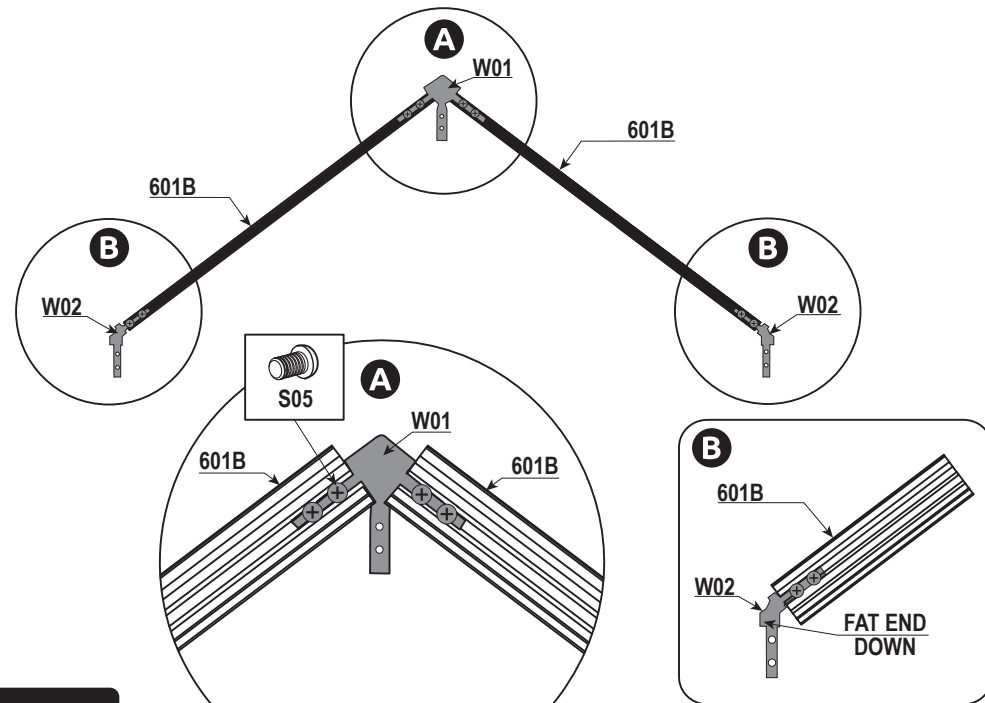
3.1 Use **W01** bracket to attach the (2) **601B**'s together as shown in diagram **A**.

Attach (2) **W02**'s to the (2) **601B**'s as shown in diagram **B**.

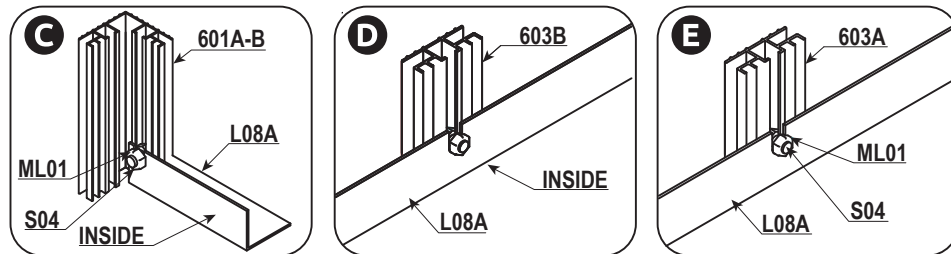
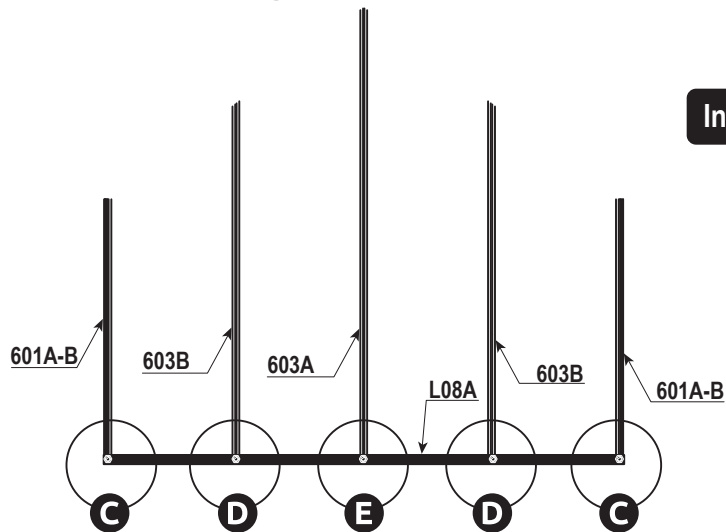
3.2 Attach (2) **601A-B**'s to **L08A** using **S04/ML01** fastener as shown in diagram **C**.

Attach (2) **603B**'s to **L08A** using **S04/ML01** fasteners as shown in diagram **D**.

Attach **603A** to **L08A** using **S04/ML01** fastener as shown in diagram **E**.



Inside View



BACK CONTINUED

3.3 Attach (4) **606's** to **L08A** as shown in diagram **A**.

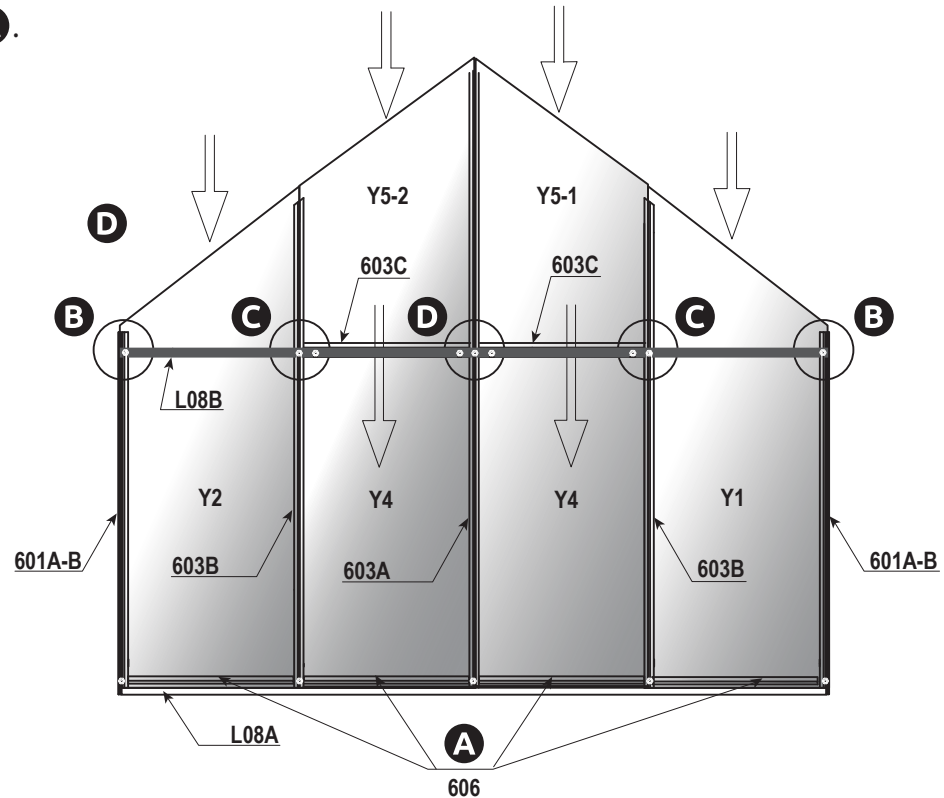
Insert the **Y4** polycarbonate panels into the grooves of **603B** and **603A**. Make sure **Y4** panels are inserted into **606** as shown in **A**.

Set (2) **603C's** on top of the **Y4's** that are now in place. Attach **L08B** to (2) **601A's** with **S04/ML01** fasteners as shown in diagram **B**.

Attach **L08B** to (2) **603B** and **603A** with **S04/ML01** fasteners as shown in **C** and **D**, pre thread all fasteners into assigned channels and align with **L08B** for ease of installation.

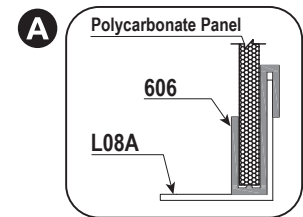
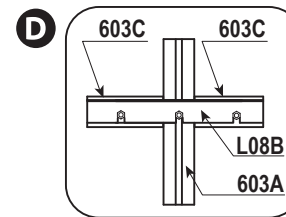
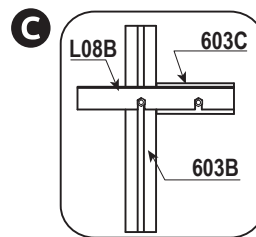
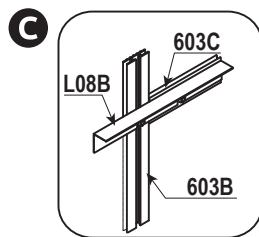
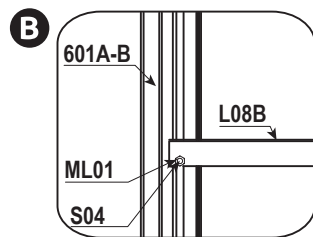
Attach (2) **603C's** to the **L08B** using **S04/ML01** fasteners.

3.4 Insert the **Y5-1** and **Y5-2** polycarbonate panels into place. Then insert the **Y1** and **Y2** into place as shown in the diagram.



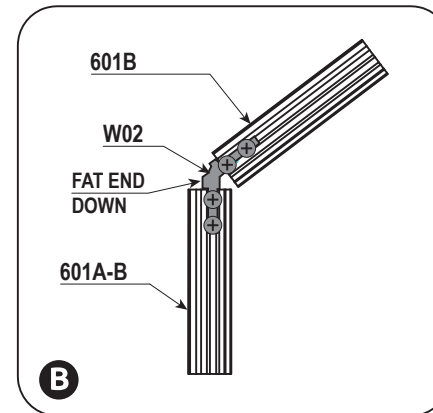
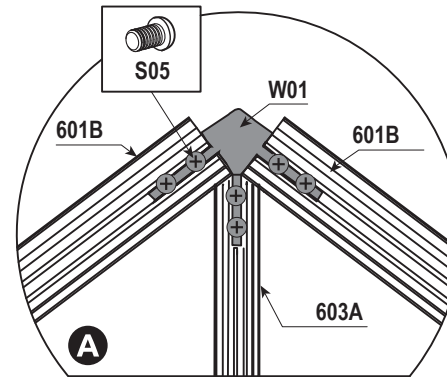
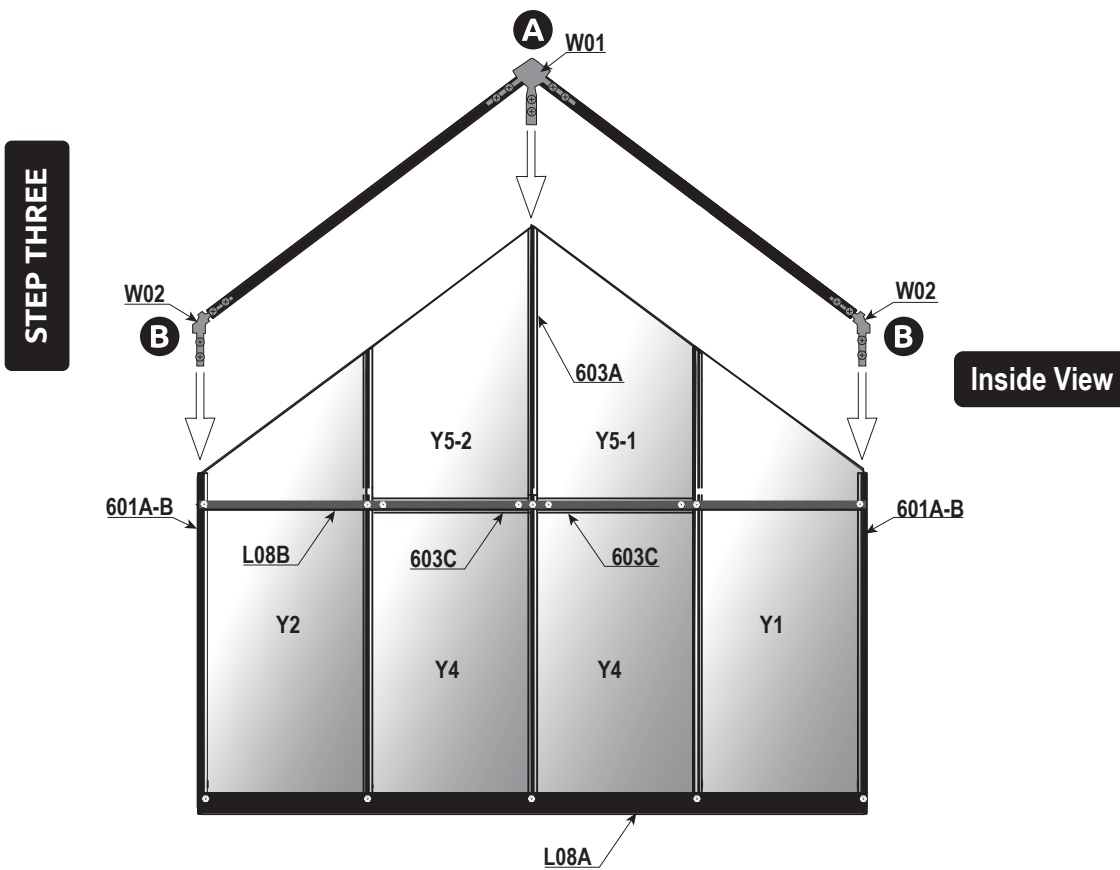
Inside View

STEP THREE



ATTACHING ROOF TO BACK FRAME

3.5 Attach the roof to the back wall use **W01** fastener to **603A** and the (2) **W02's** to the (2) **601A's** using the **S05** fasteners as shown in diagram **A** and **B**, pre thread all screws for easiest installation, tighten when flush with frame and square.

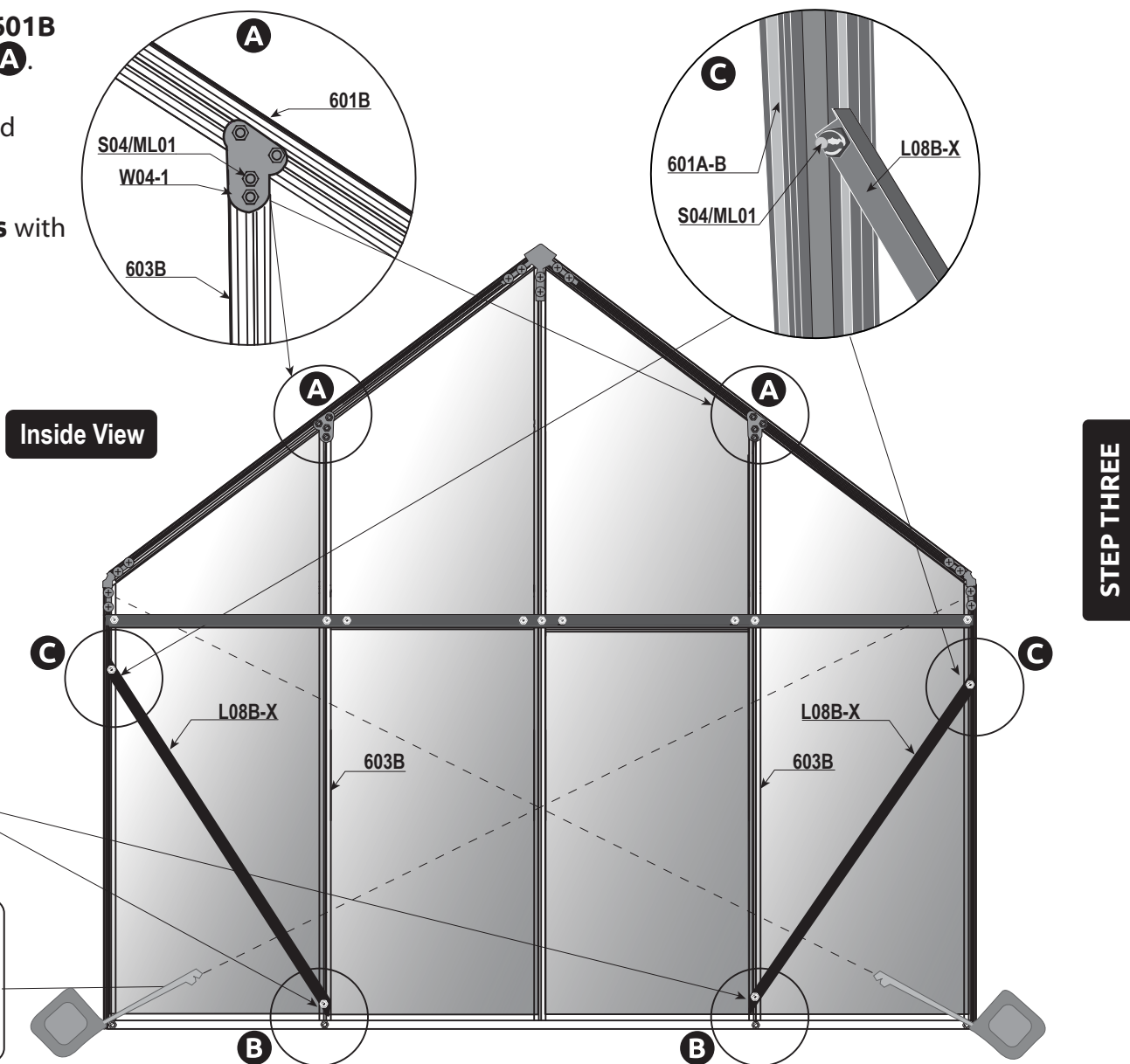


3.6

A. Attach the **W04-1** to the **603B** and **601B** with **S04/ML01** fasteners as shown in **A**.

B. Attach (2) **L08B-X**'s to (2) **603B**'s and **L08A** with **S04/ML01** as shown in **B**.

C. Attach (2) **L08B-X**'s to the (2) **601A**'s with fasteners as shown in **C**.



GRANDIO TIP Square by loosening bolts attached to the tops of the **L08B-X**, use measuring tape to make sure corners to corner measures the same.

MIDDLE ASSEMBLY INSTRUCTIONS

STEP THREE

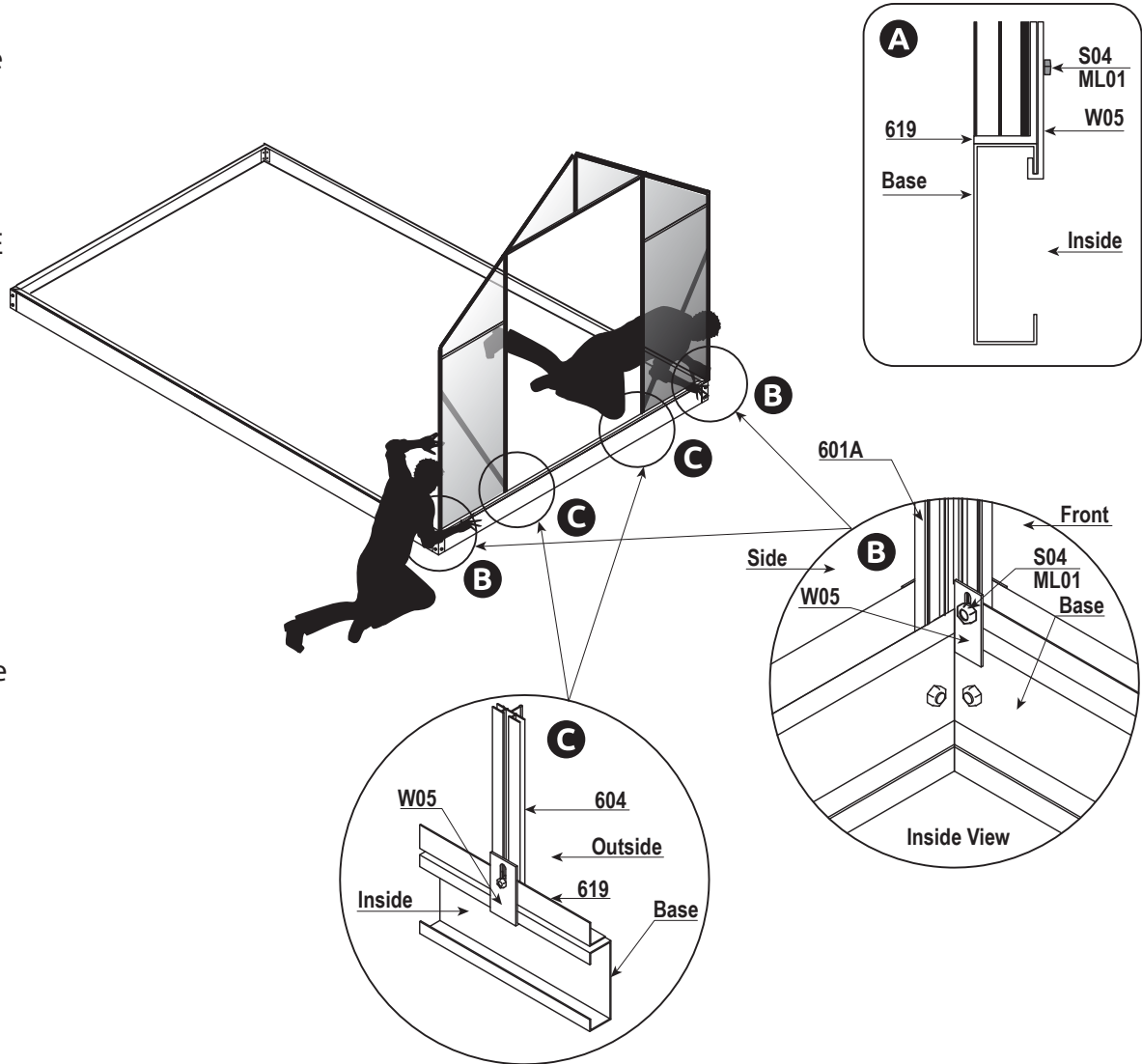
4.1 With no less than 2 people place the pre assembled front section on top of the base kit front. Have one person hold the front vertically while the other attaches the front section to the base with **W05/S04/ML01** fasteners as shown in **A** and **B**. (1) PERSON MUST CONTINUE HOLDING FRONT FRAME UPRIGHT.

4.2 Attach front to base with **W05** clips as shown in **C**.

Warning: The person(s) holding the front or back sections vertical must continue to do so until the **L08C-X** angle supports are attached securely to the front and base as shown in step **4.5**. Failure to hold front vertical will cause the front to fall and damage the base kit, front framing etc. Damage caused by improper installation is not warrantable.

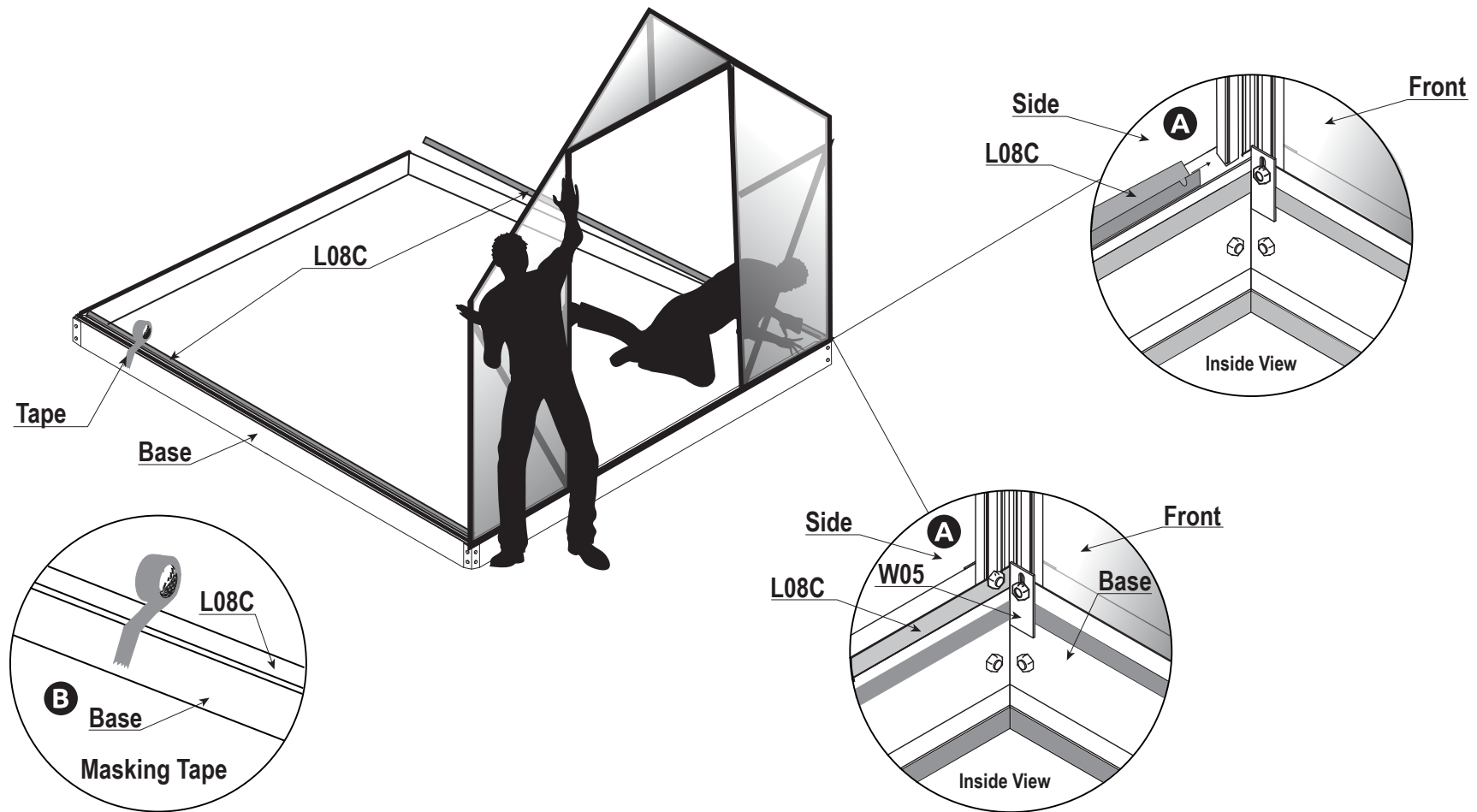


You will need a minimum of (2) people to complete the middle assembly of your greenhouse. The more people the merrier at this stage of assembly.



MIDDLE ASSEMBLY CONTINUED

4.3 While the front section is being supported vertically by other person(s) slide in and attach the **L08C's** to the front section as shown in **A**. Using tape temporarily attach the loose end of the **L08C's** to the base kit as shown in **B**.



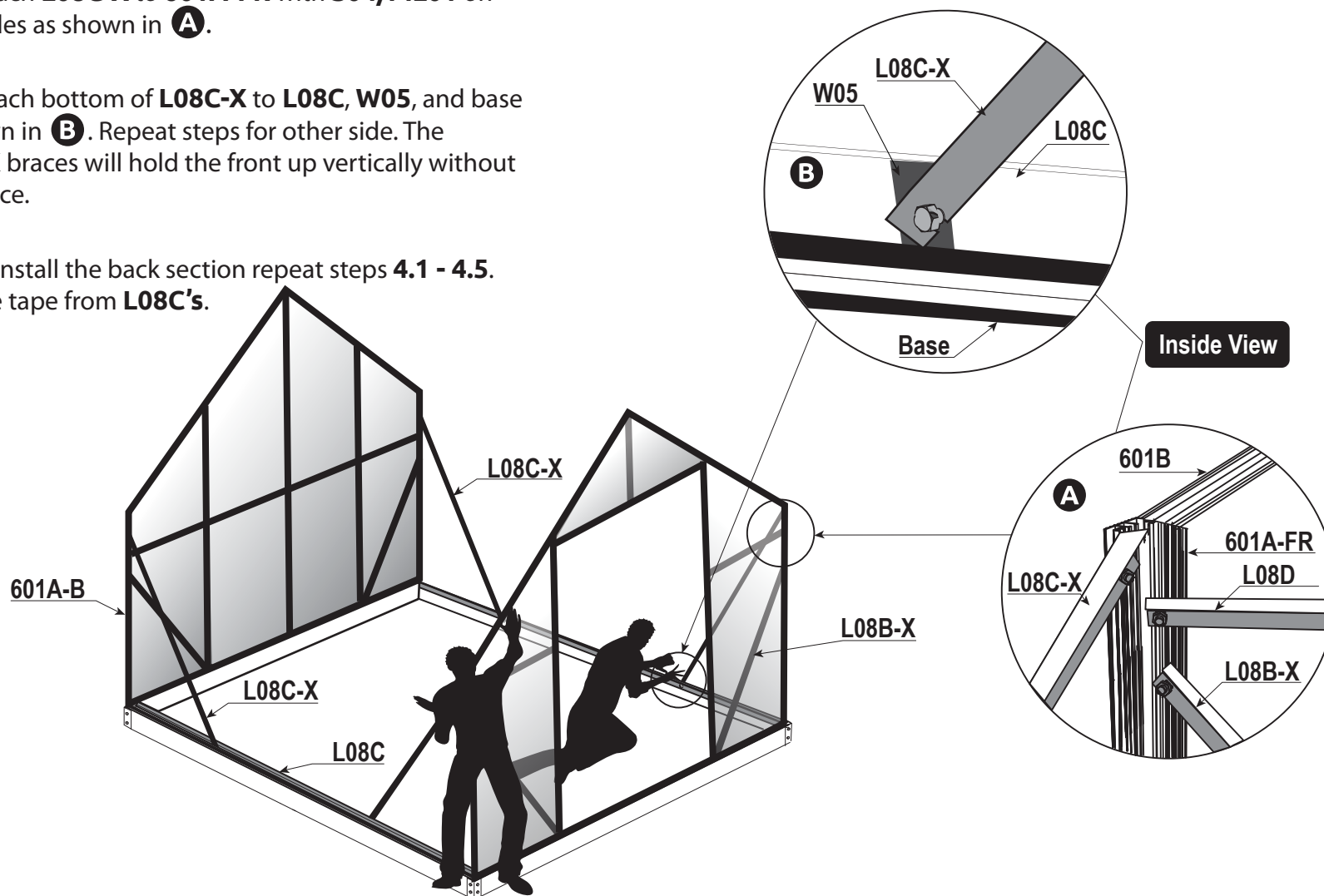
MIDDLE ASSEMBLY CONTINUED

STEP FOUR

4.4 Attach **L08C-X** to **601A-FR** with **S04/ML01** on both sides as shown in **(A)**.

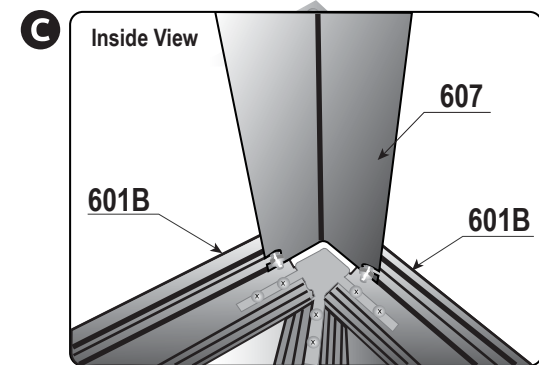
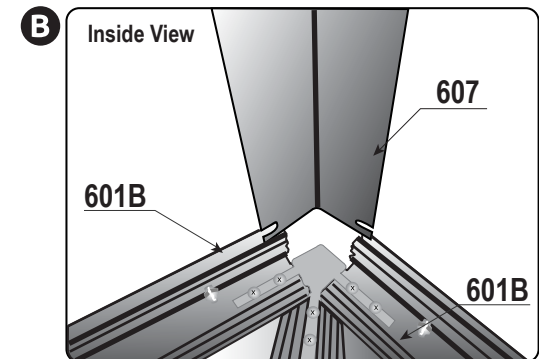
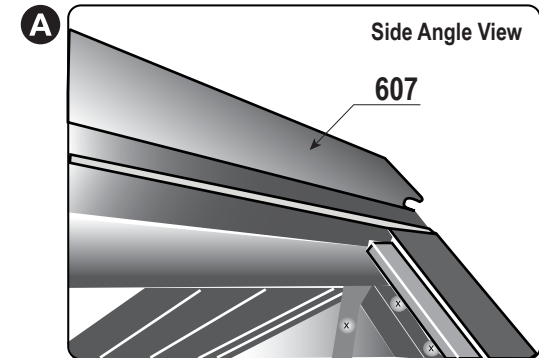
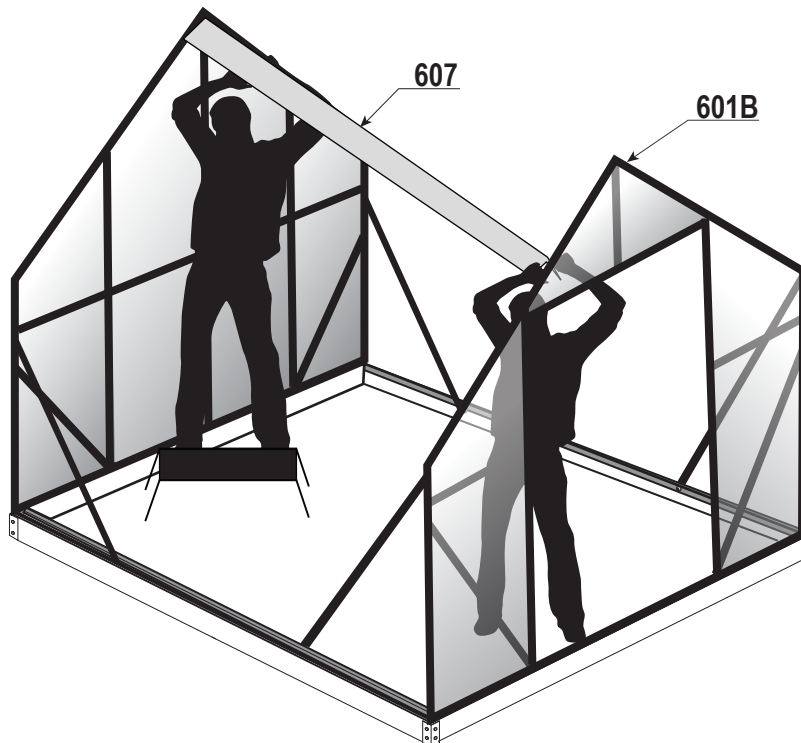
4.5 Attach bottom of **L08C-X** to **L08C**, **W05**, and base as shown in **(B)**. Repeat steps for other side. The **L08C-X** braces will hold the front up vertically without assistance.

4.6 To install the back section repeat steps **4.1 - 4.5**. Remove tape from **L08C's**.



MIDDLE ASSEMBLY CONTINUED

4.7 With 2 people, attach the ridge to front and back by sliding into place as shown in **A** and **B**, using **S04/ML01** fasteners attach the **607** to the **601B**'s.



STEP FOUR

MIDDLE ASSEMBLY CONTINUED

STEP FOUR

4.8 Before you attach the **609** you will need to loosen the **ML01** (nut) attached to the **L08C-X** tops. **Note:** Loosen nuts on only one side at a time, i.e. right front corner, right rear corner. See **A**.

With 2 people proceed to install **609** in this order, note that **609** must be installed with groove side down see **C**.

1. With one person holding the **609** level and in position have the other person attach the **609** to the **601B** using **S04/ML01** (nut and bolt). See **B**.

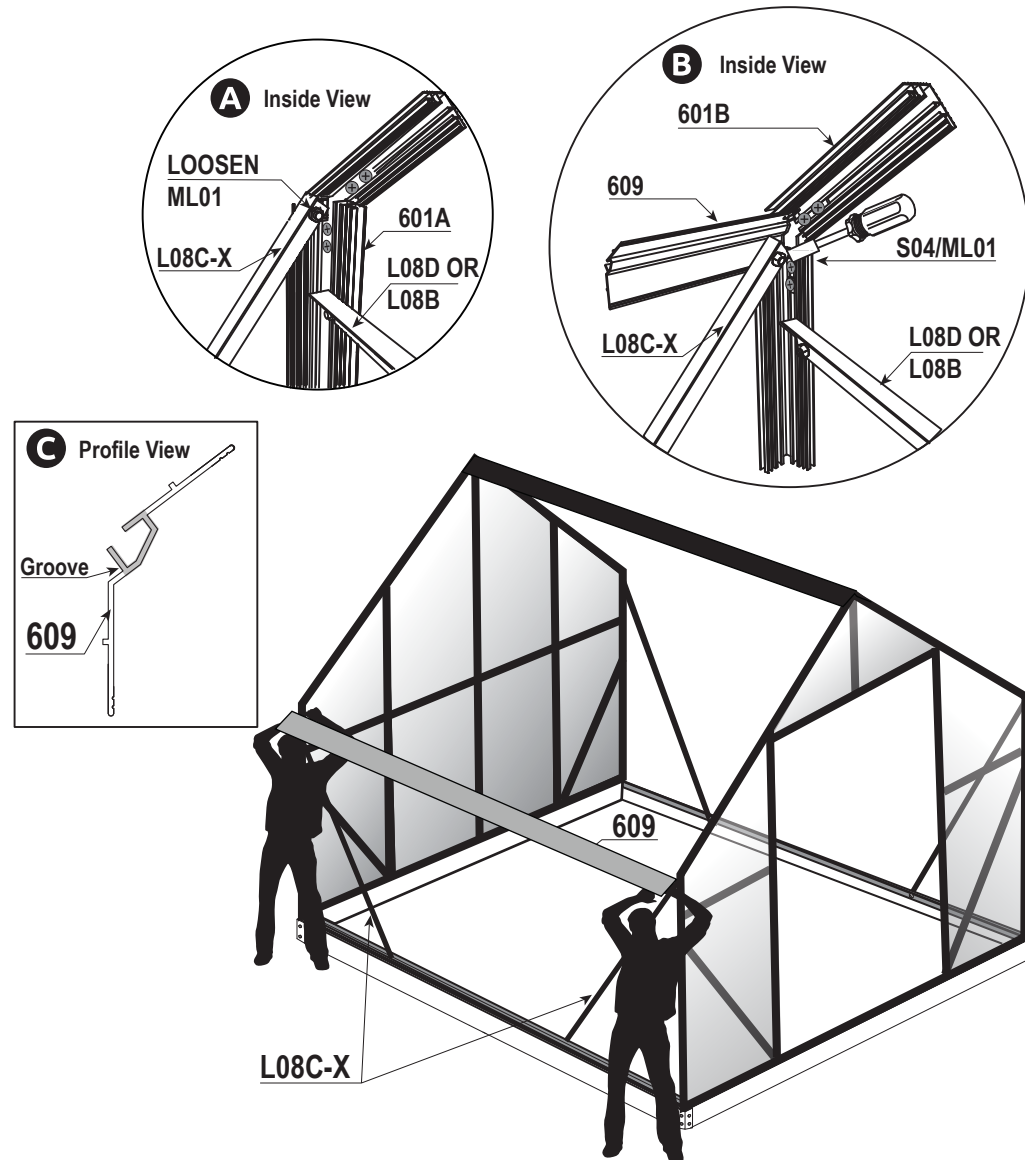
2. Now move the loosened **S04/ML01** (nut and bolt) currently attached to the **601A** upward to firmly secure the **L08C-X**, **609** and **601A** together as shown in **B**.

3. Repeat steps 1 and 2 for the other end of **609**.

4. With one side firmly secured move to the other side and repeat steps 1, 2 and 3.



Remove only one L08C-X at a time. If all L08C-X's are removed, the structure will collapse and cause unwarrantable damage.



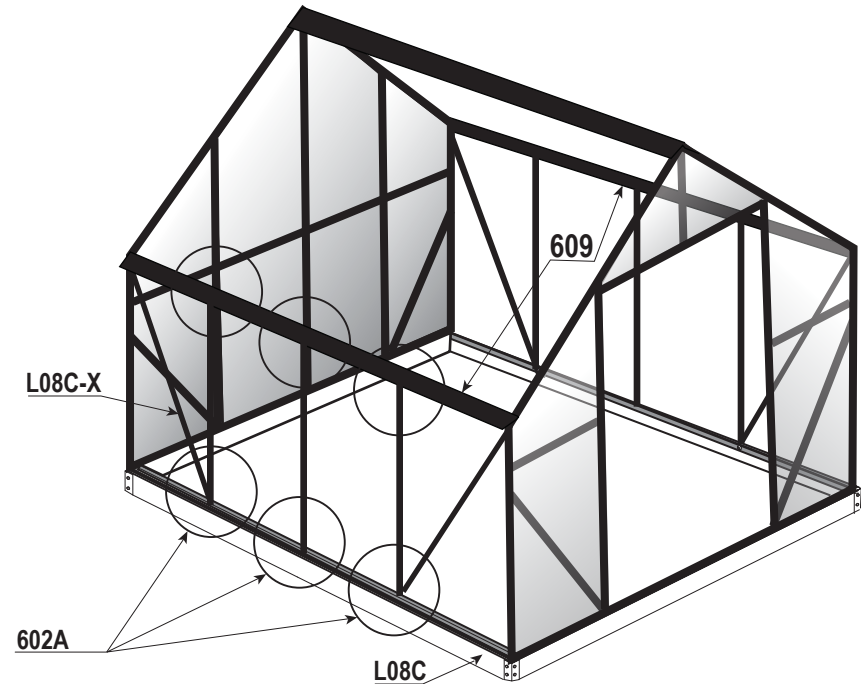
MIDDLE ASSEMBLY CONTINUED

4.9 Before you attach the **602A's** to the sides of the greenhouse you will need to loosen the **ML01** (nut) attached to the **L08C-X** and **L08C** located at the base. Once the bottom of **L08C-X's** are loosened on one side attach the **602A's** to the sides of the greenhouse in this order.

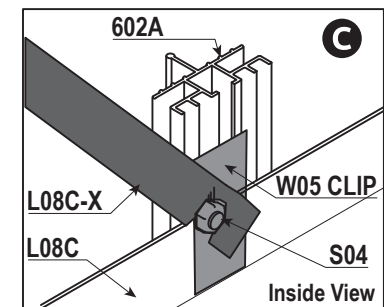
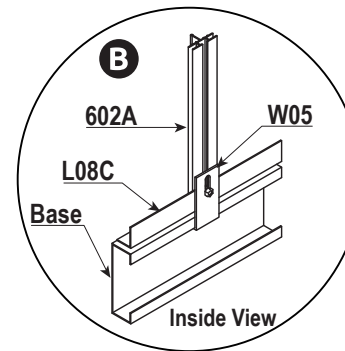
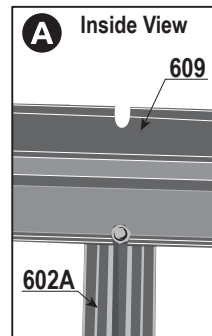
1. Hold the **602A** in place as shown and attach the top of the **602A** to the **609** using **S04/ML01** (nut and bolt). As shown in **A**.

2. Now attach the bottom of **602A** to the **L08C** and base using a **S04/ML01** (nut and bolt) and **W05** (base clip) as shown in **B**. **Note:** Where the **L08C-X** reattaches to the **L08C** and the **602A** be sure to secure them with a **W05** (base clip) to the base as shown in **C**.

3. Repeat for the other side.



STEP FOUR

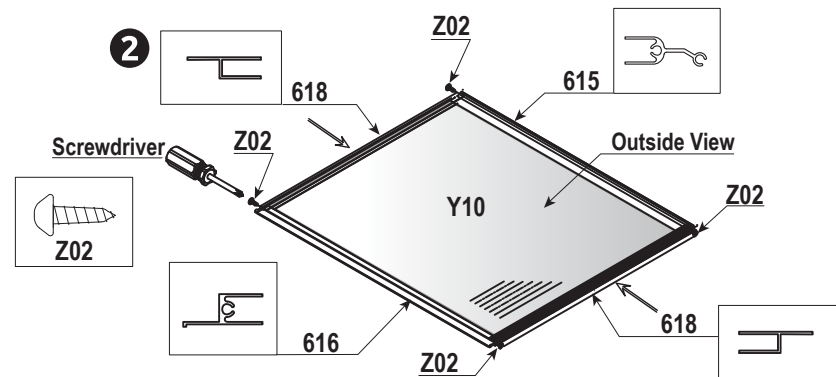
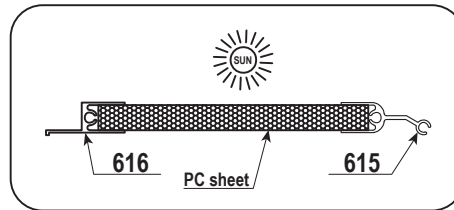
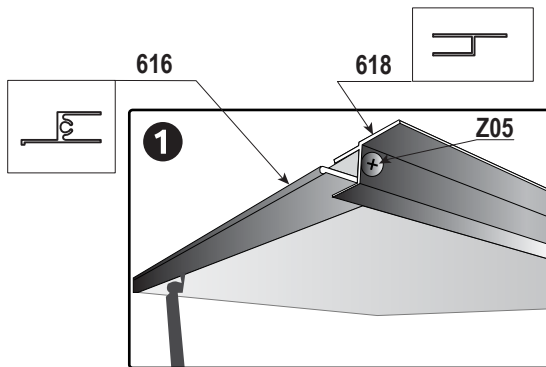
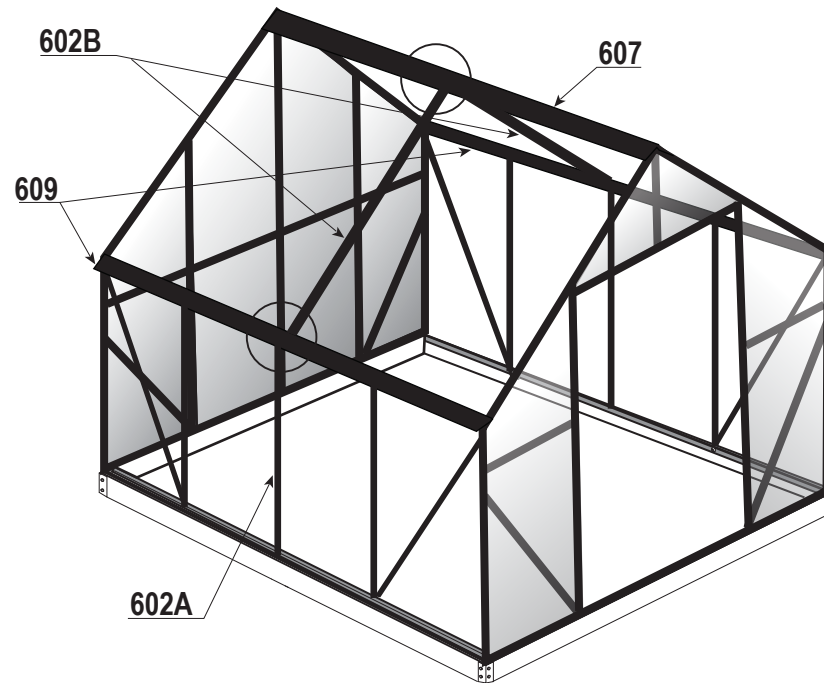


MIDDLE ASSEMBLY CONTINUED

STEP FOUR

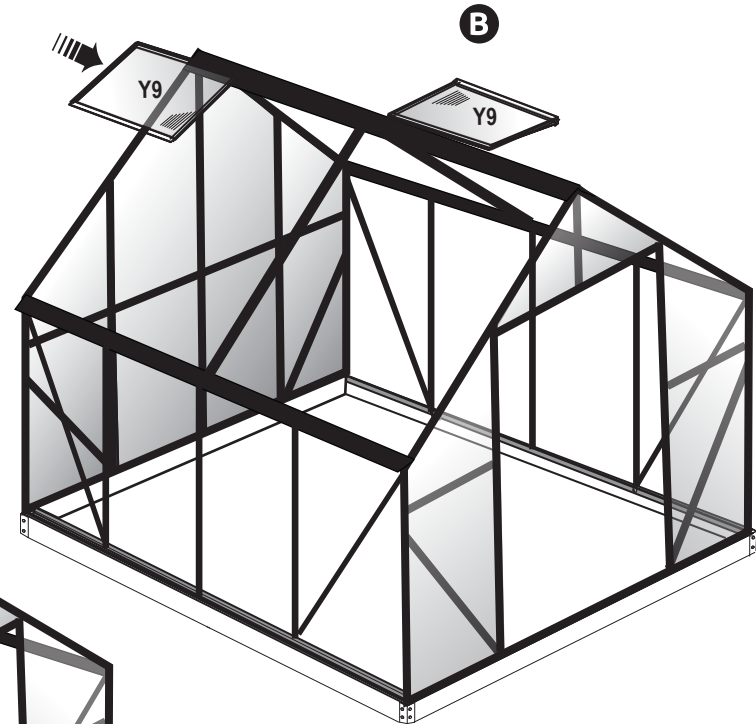
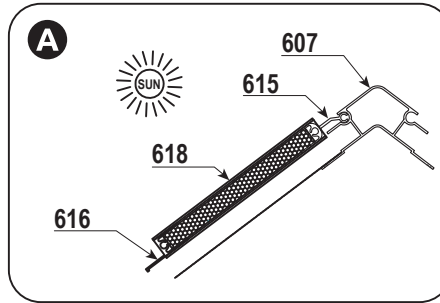
4.10 Attach (2) **602B's** to **609's** and **607** as shown in diagram. Do not attach remaining **602B's** to roof until roof vents are installed.

4.11 Assemble the roof window vents as shown below in **1** and **2**, using the **Z02** Screws attach the **615**, **616**, and **618's** as shown.

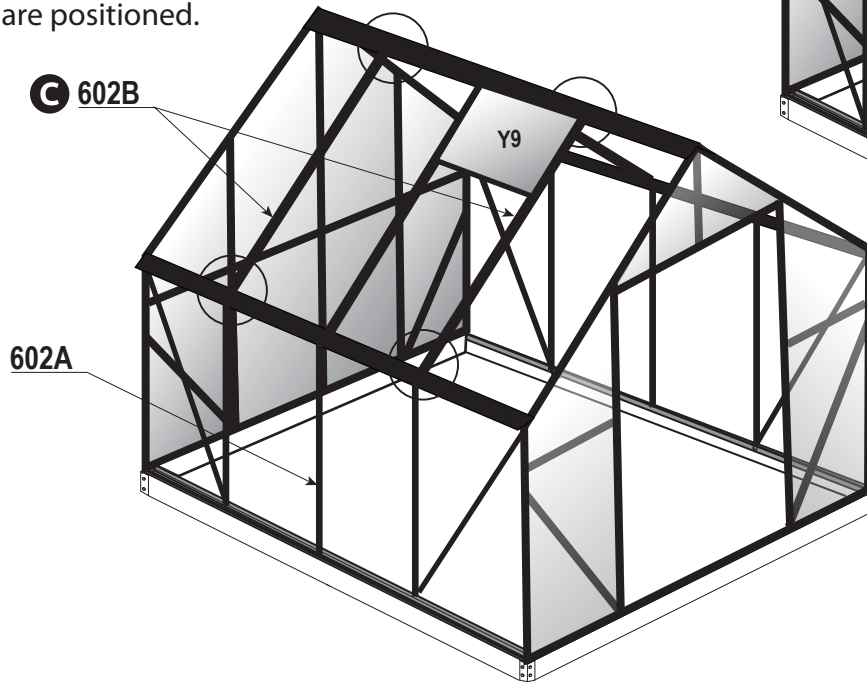


ROOF VENT INSTALLATION

4.12 Insert assembled window into the end of ridge and slide into position. See **A**. Window positions are your discretion however, must be in the middle for support, do not place near the front or back. Place directly across from each other for best cross draft ventilation, see **B** for optional placement.



4.13 Attach all remaining **602B's** after roof vents are positioned. See **C**.



STEP FOUR



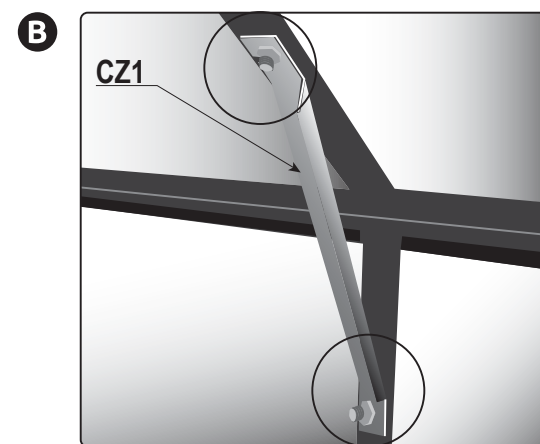
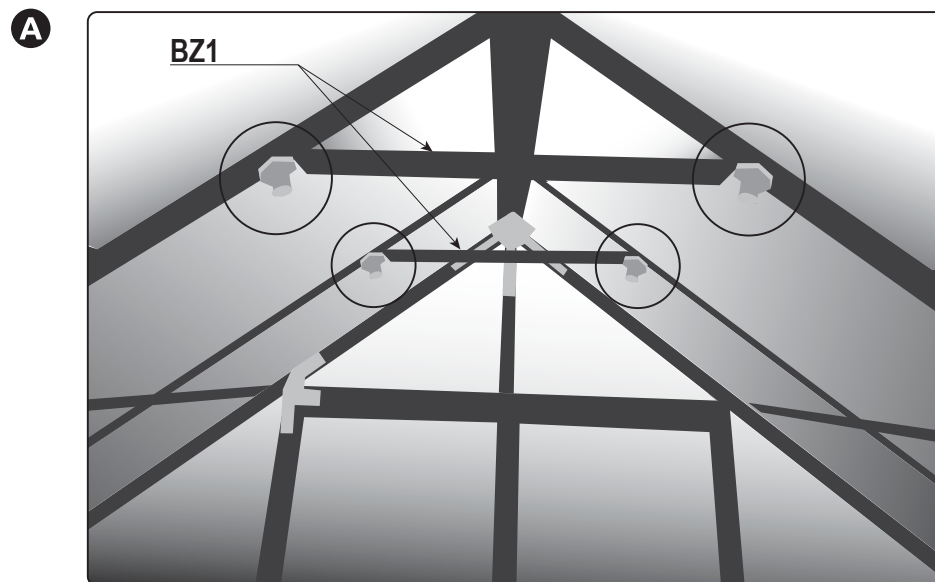
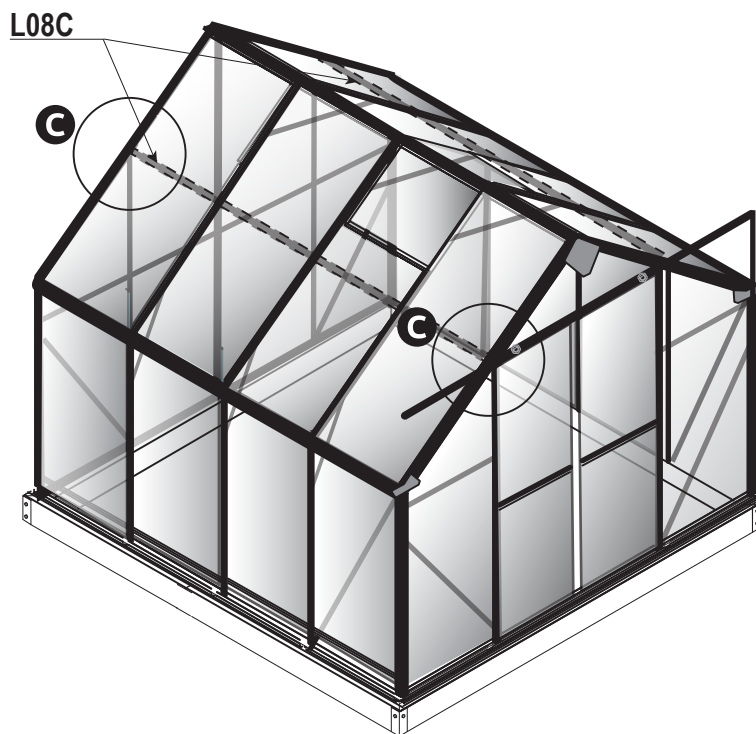
Place roof windows in desired location before attaching all **602B's**.

INTERIOR ROOF SUPPORT ASSEMBLY

STEP FOUR

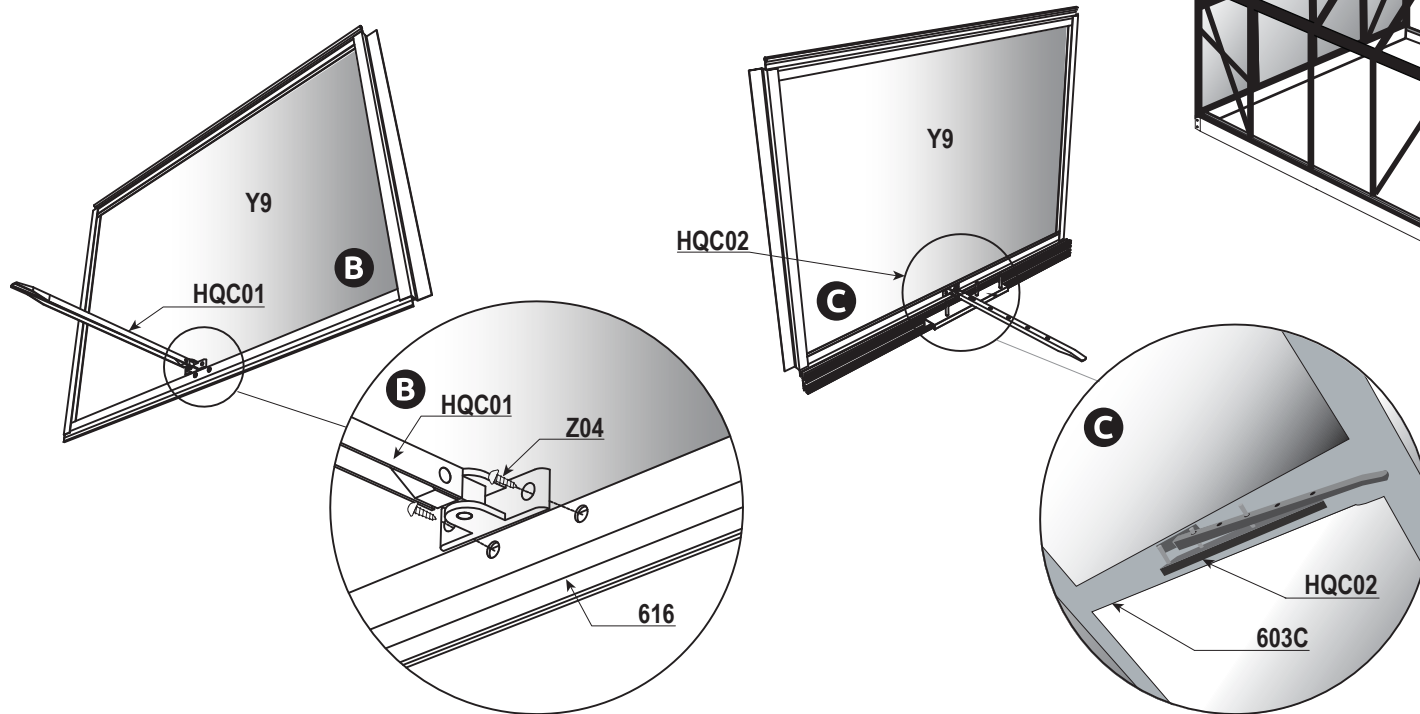
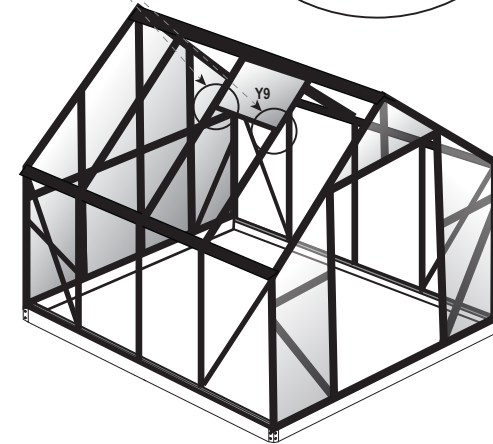
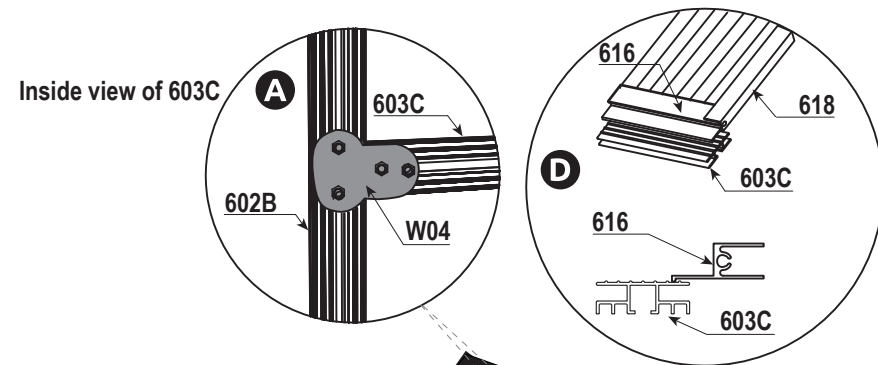
4.14 Attach the **BZ1's** to the roof line as shown in diagram **A** with the **ML01/S04**. Use **CZ1's** to support the interior wall at the eave using the **ML01/S04**. See diagram **B**.

4.15 Use **ML01/S04** to attach the **L08C** to **601B's** and **602B's** on the inside of roof midway between the roof and the gutters for additional roof support. See diagram **C**.



4.16 To ensure there is no gap in roof vent position **603C** as shown in **D**. Connect **603C** to middle of **602B**'s using **W04** bracket as shown in **A**.

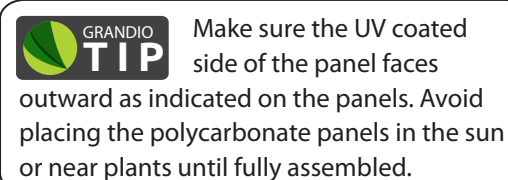
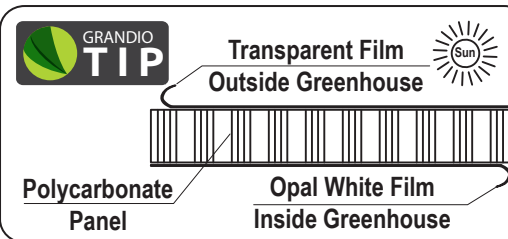
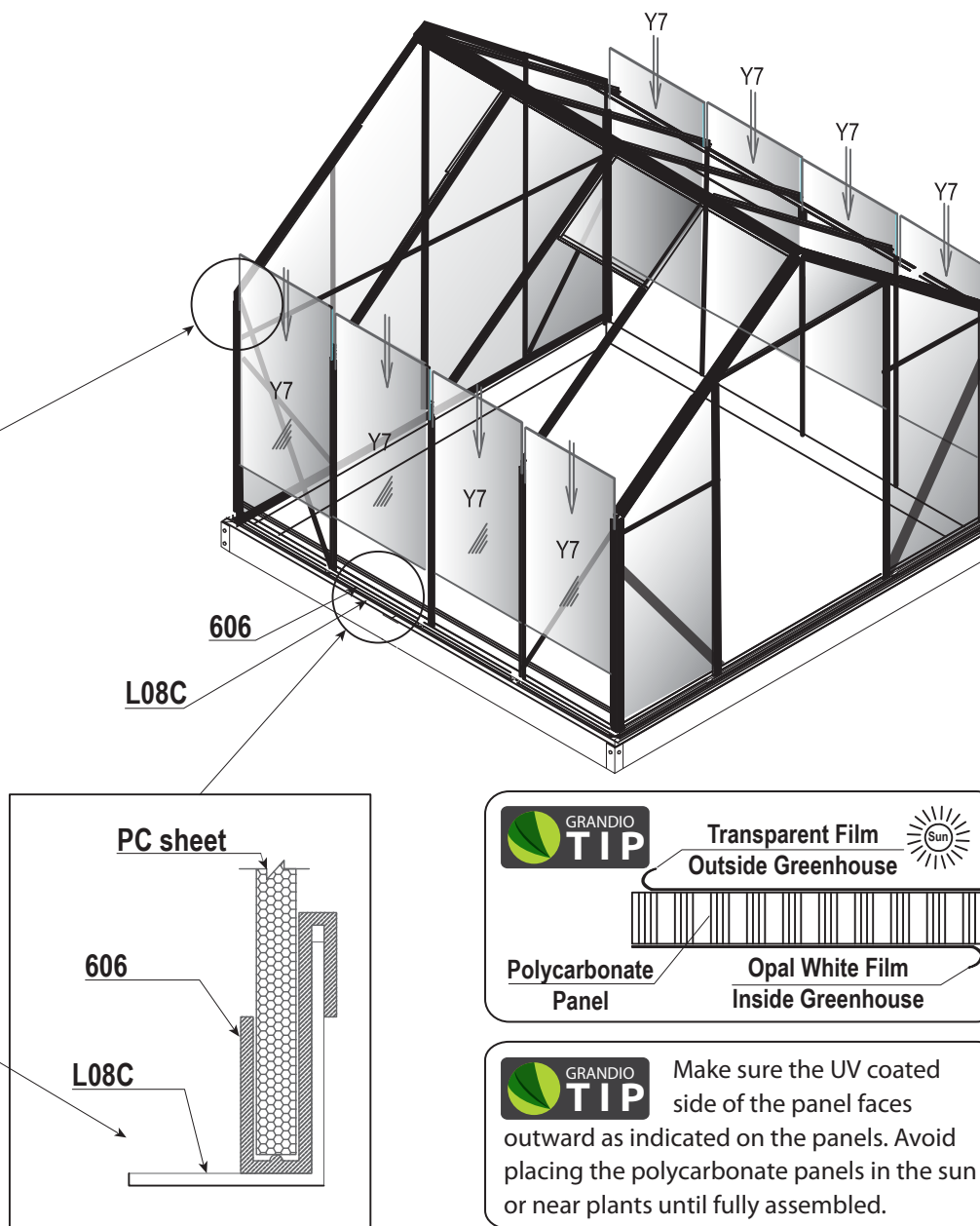
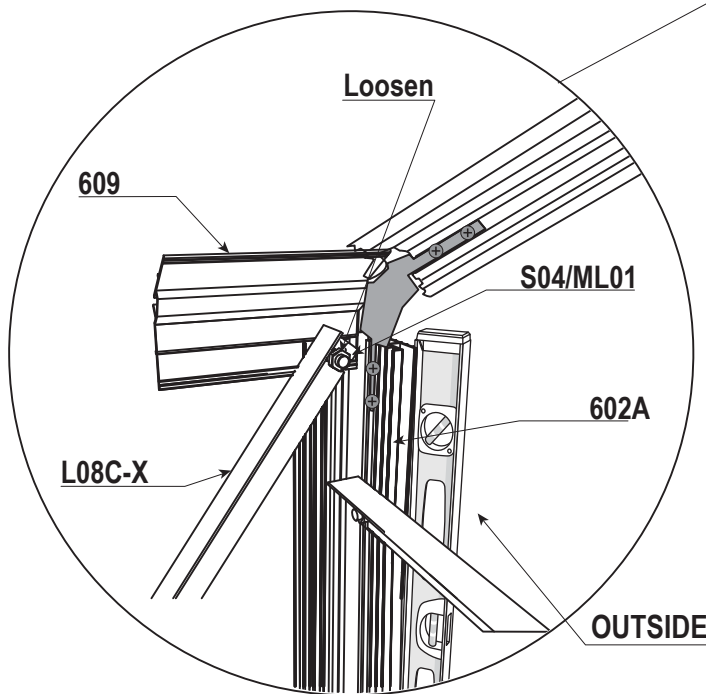
4.17 Attach **HQC01** to **616** with the screws see **B**, close roof vent and attach the handle onto **HQC02** middle pin (the first two holes of the handle to the first two holes of **HQC02**). Then attach **HQC02** to **603** with **Z04** screws, see **C**.



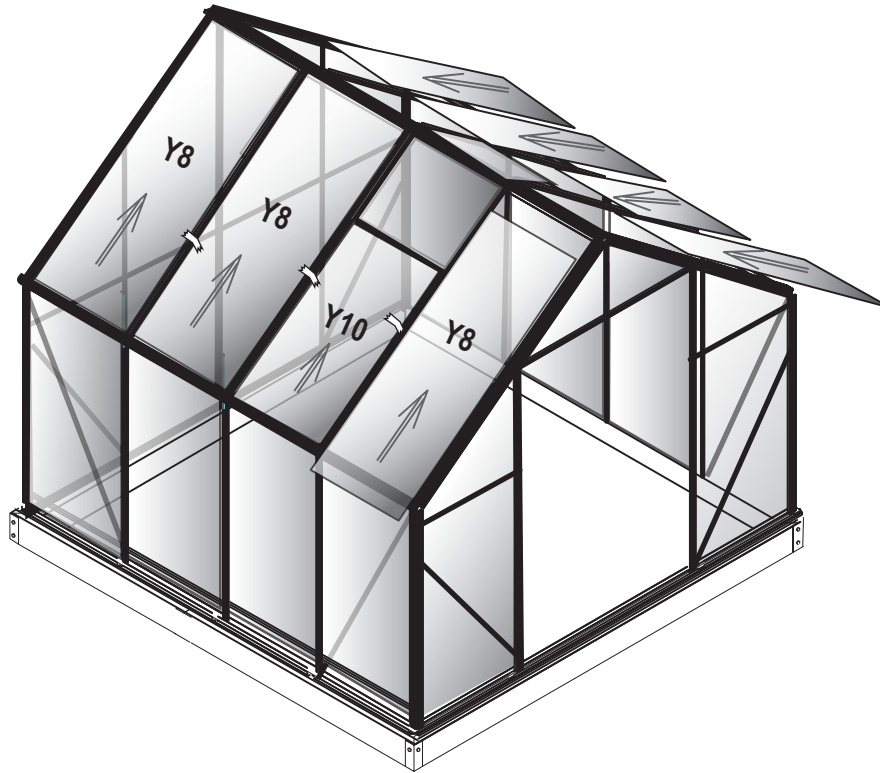
STEP FOUR

4.18 Install plastic strip **606** before inserting polycarbonate sheet **Y7**'s.

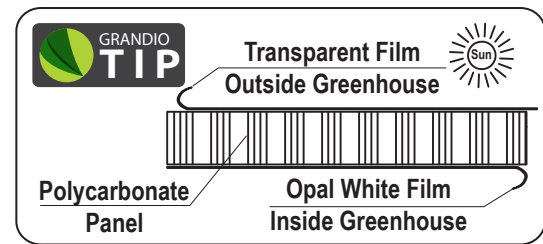
4.19 After **Y7**'s are installed, loosen bolts attached to **L08C-X** in all upper corners. Using a level, adjust **602A** and tighten bolts. Repeat in every corner until the greenhouse is level. The top edges of **Y7**'s will align when greenhouse is level.



4.20 Insert polycarbonate sheets **Y8's** and **Y10's** onto the top of your greenhouse. Panels may slide out before gutters are in place. You may want to place a piece of tape on the panel to prevent sliding as shown below once the panels are in place.

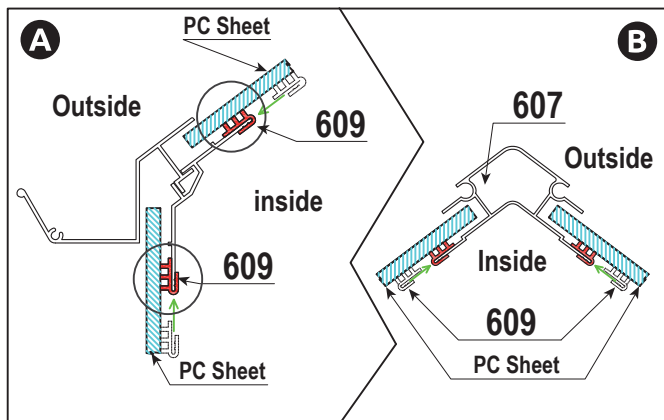
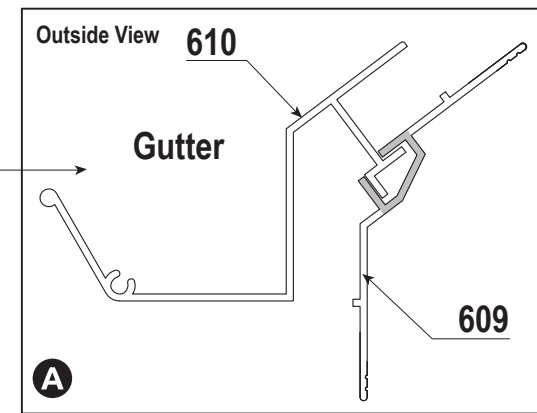
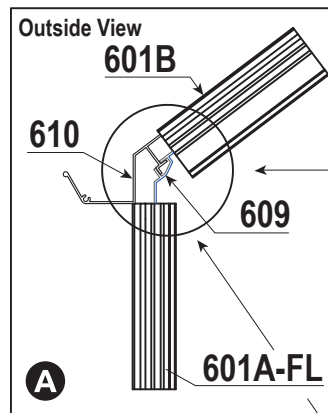


STEP FOUR

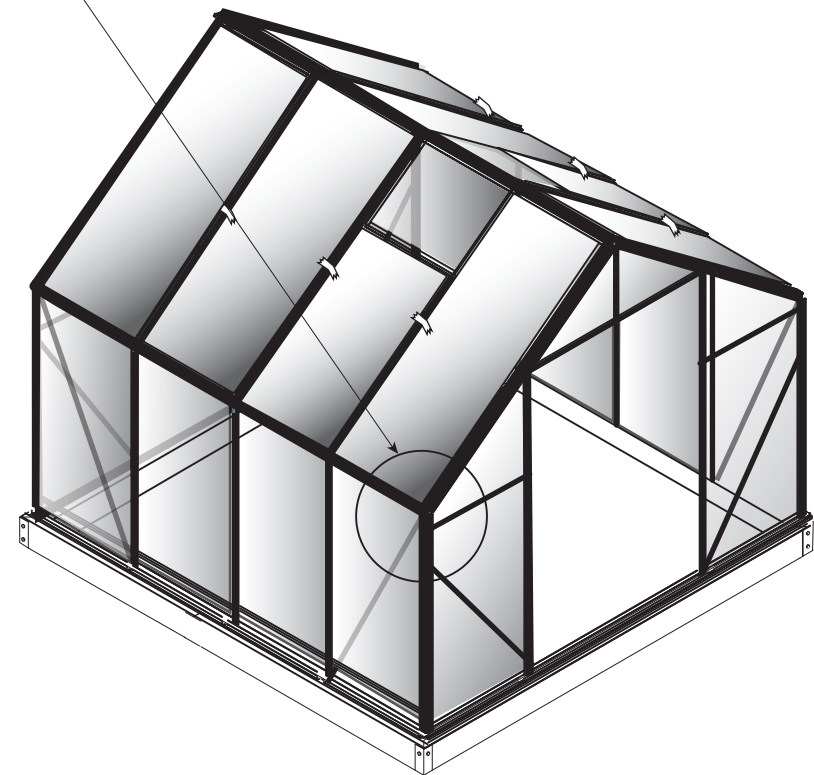


GRANDIO TIP Make sure the UV coated side of the panel faces outward as indicated on the panels. Avoid placing the polycarbonate panels in the sun or near plants until fully assembled.

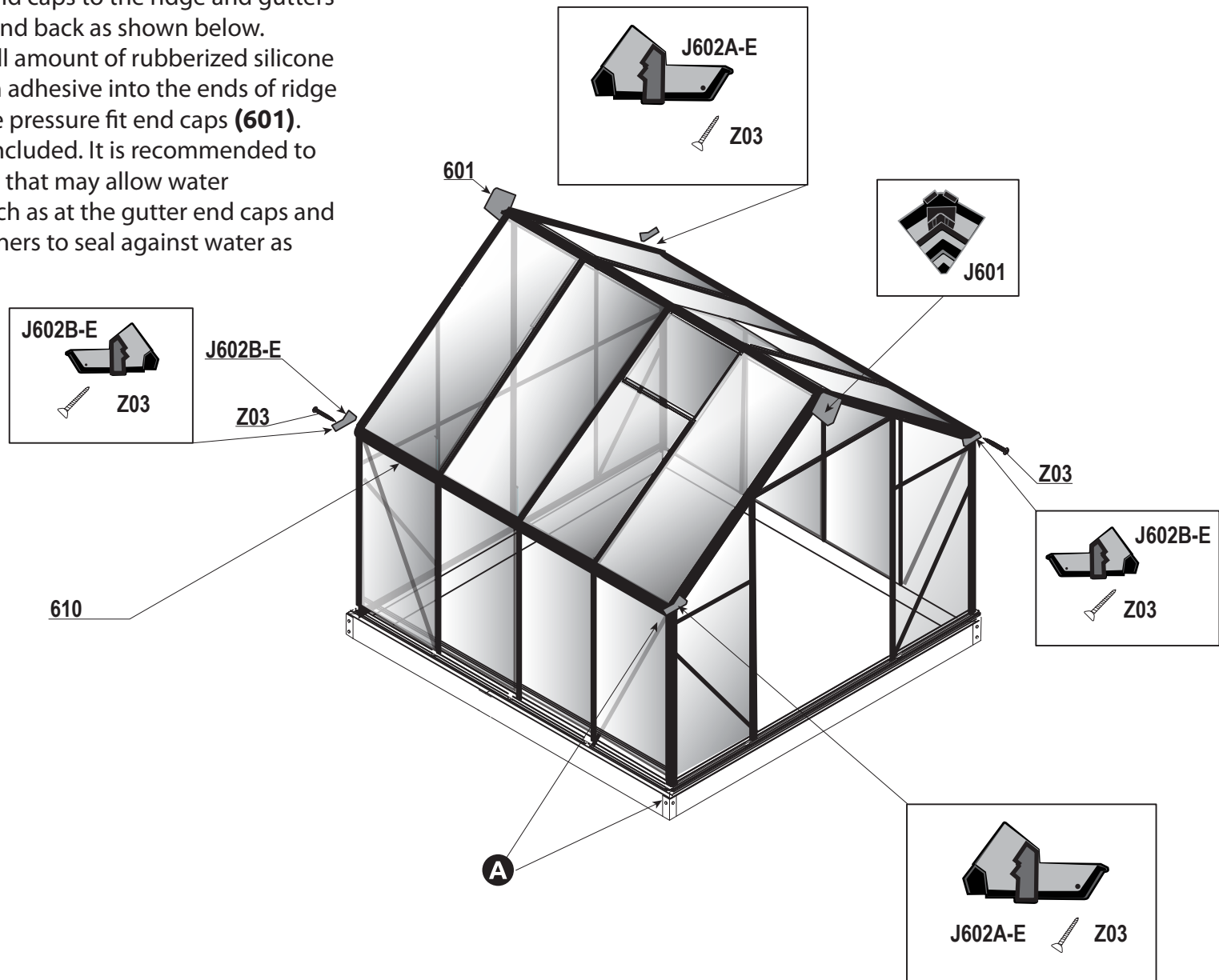
4.21 Slide **610** into **609's** groove as shown in diagram **A**. Repeat on both sides. Remove tape after gutter is fully installed. Attach **609 window seals** to the inside of roof after all panels and gutters are in place proceed to install both sides of the eave and ridge as shown in **A** and **B**.



Note that there are two parts labeled **609**, one is the gutter support, the other is a clip that fits on inside of greenhouse to support polycarbonate panels.

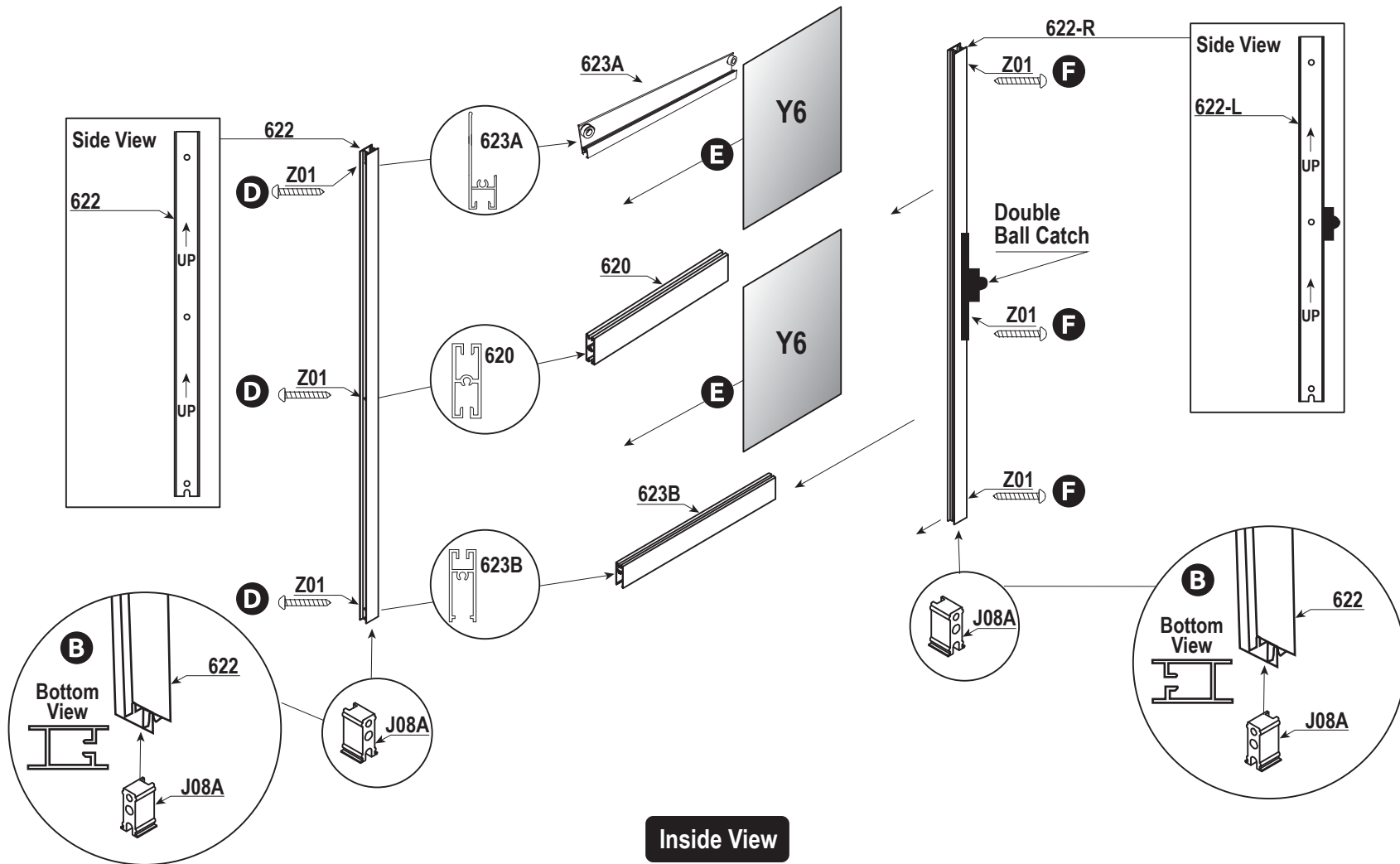


4.22 Attach end caps to the ridge and gutters on both front and back as shown below. Squeeze a small amount of rubberized silicone or construction adhesive into the ends of ridge (607) to secure pressure fit end caps (601). Adhesive not included. It is recommended to caulk any areas that may allow water penetration such as at the gutter end caps and at the base corners to seal against water as shown in **A**.



STEP FOUR

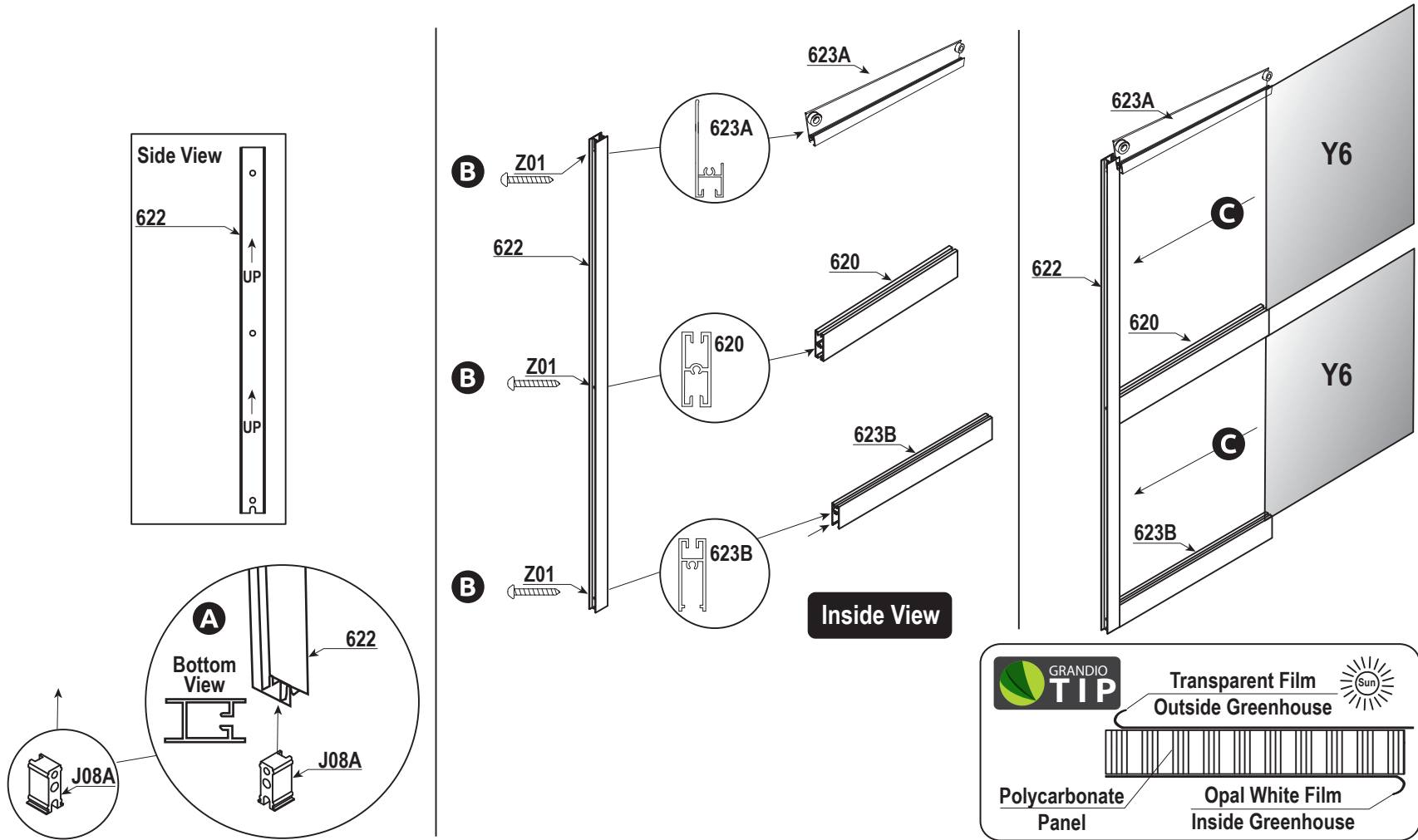
DOOR ASSEMBLY DIAGRAM



5.1 Insert **J08A** into the bottom of the **622**, note the bottom groove is smaller than the top groove of **622**, see **(A)**.

5.2 Use the **Z01** screws to attach the **622** to the **623B**, **623A** and **620** as shown in **(B)**.

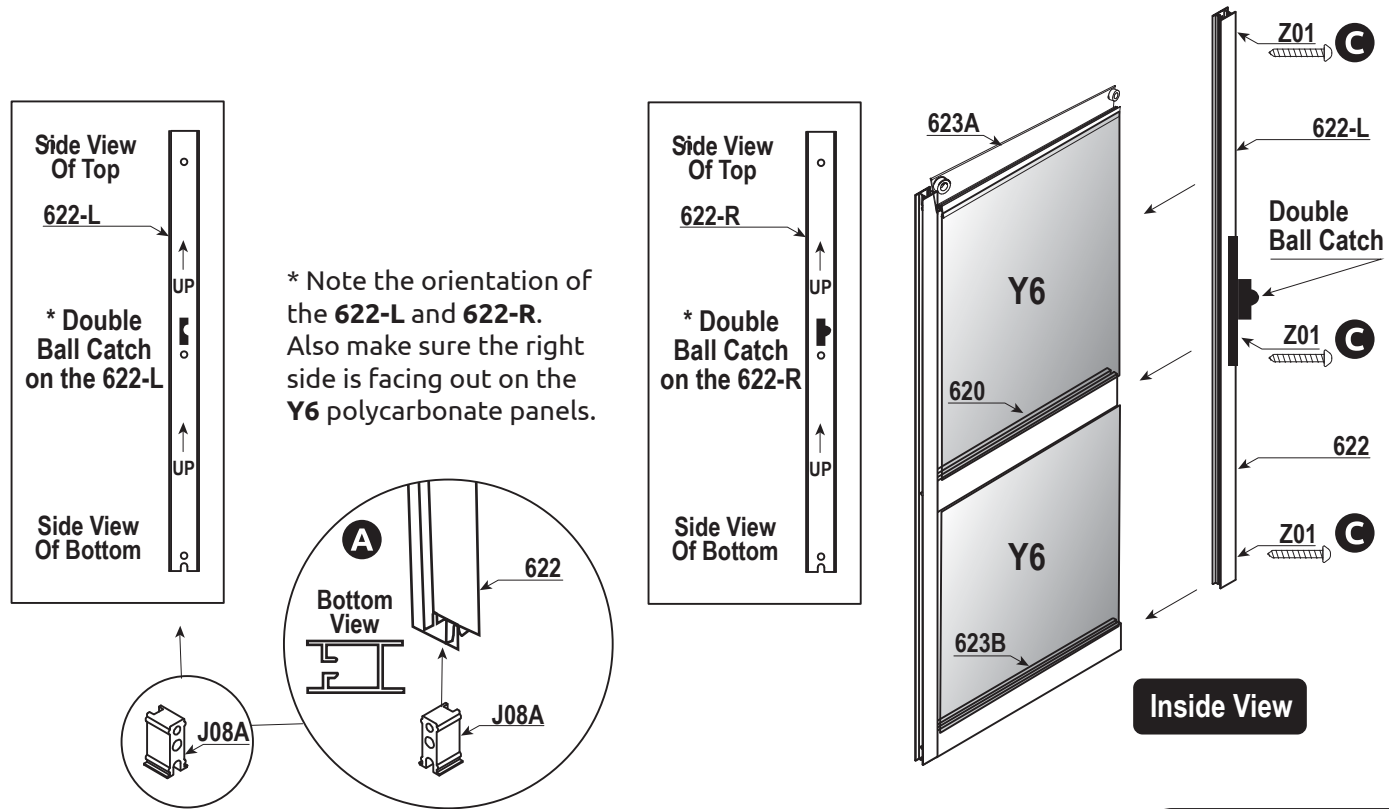
5.3 Insert **Y6 windows** into position as shown in **(C)**, make sure to match doors up to each by laying out parts for other door now so window panels face the right direction to the sun, and the locks match up.



5.4 Insert **J08A** into the bottom of the **622**, note the bottom has a groove see **A**.

5.5 Attach the **622** to the **623B**, **623A** and **620** using the **Z01** screws as shown in **B**.

5.6 Follow the same instructions for the other door making sure that the **622-L** and **622-R** with the double ball catch match up so doors will latch closed and slide properly **C**.

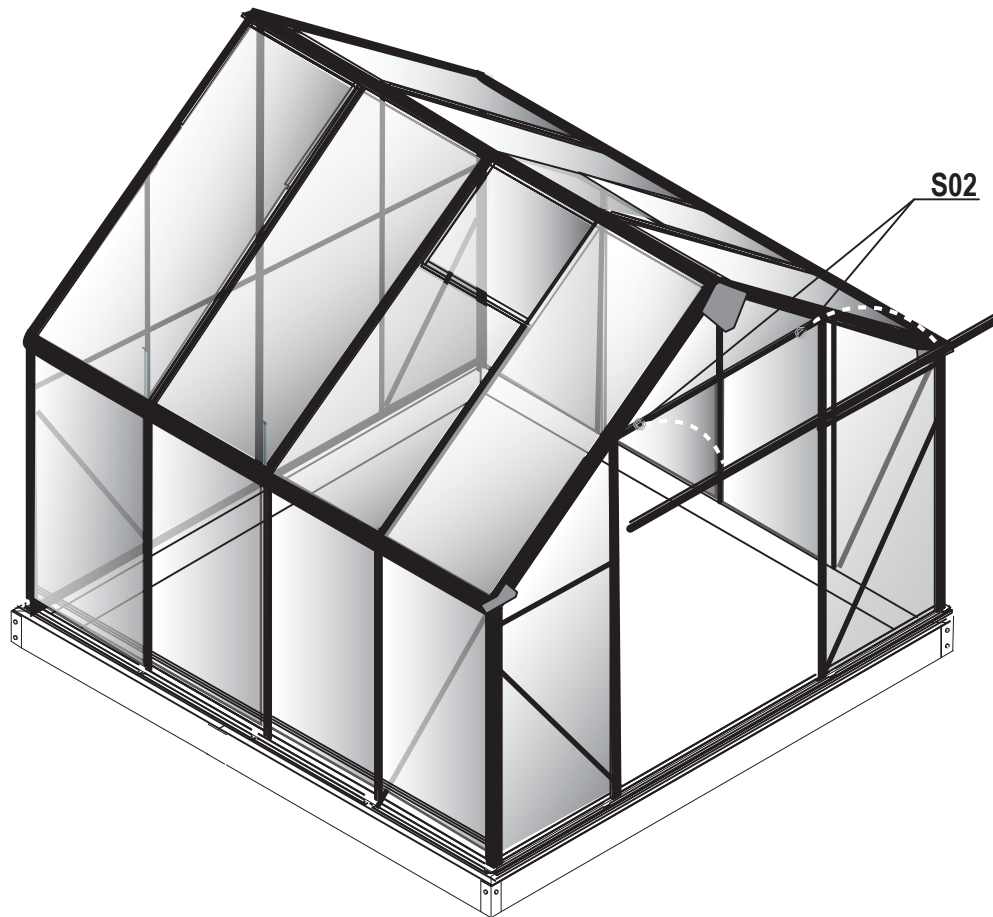


GRANDIO TIP Pay close attention to **622** orientation during assembly. (2) of the (4) **622's** will have holes for attaching handles and a brass double ball catch for the closure of the doors.

DOOR ASSEMBLY

STEP FIVE

5.7 With one person inside greenhouse line up hanging door track with door header, move bolts on **L21** to line up with bolt holes on door header **603B**. From the inside attach the **S02** nut and bolt set and tighten while holding firmly as high as possible in position from the outside.

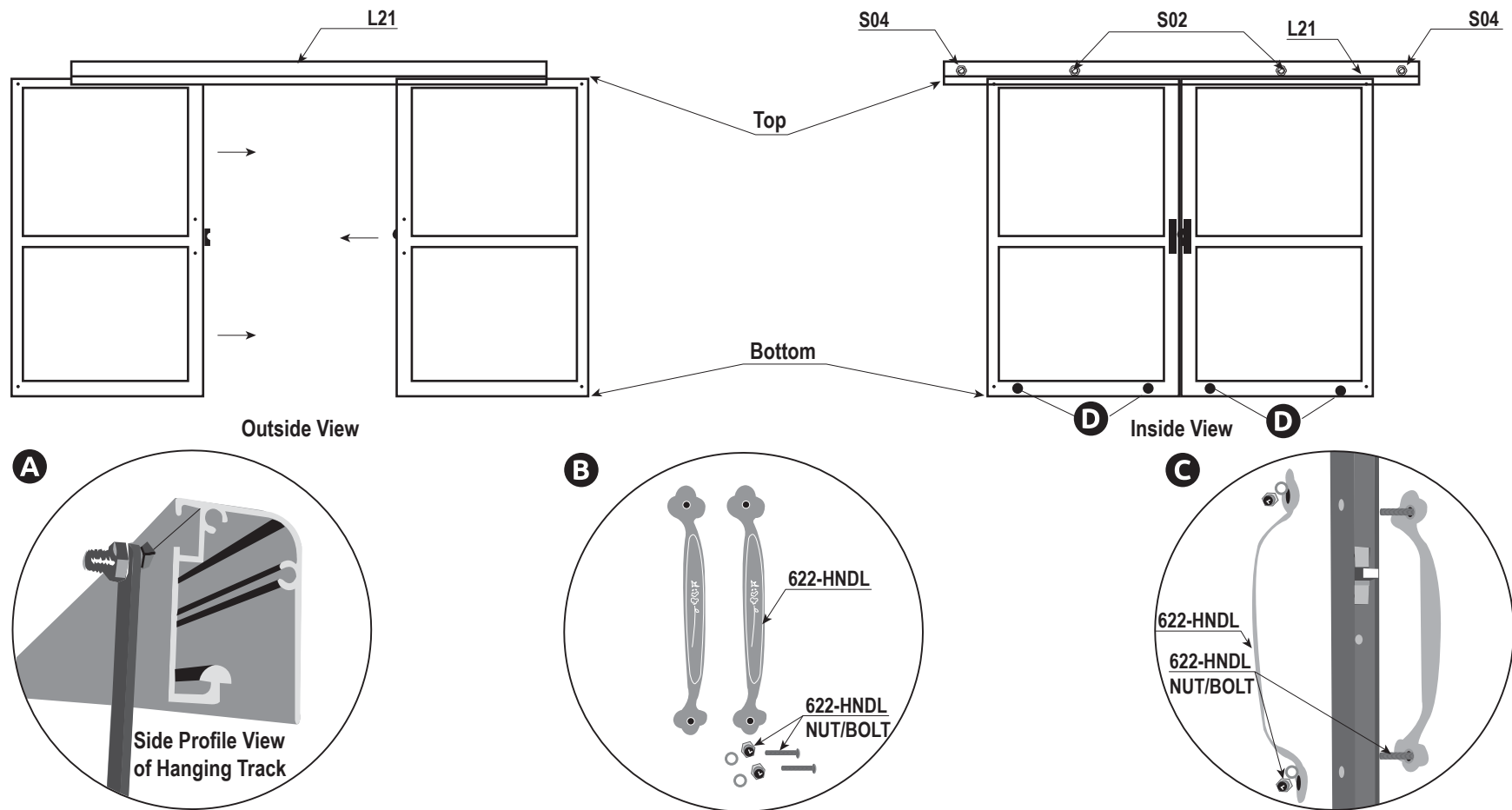


DOOR INSTALLATION

5.8 Separately slide the top of the doors in the left and right side of **L21**, see diagram **A**, until they latch in the middle.

5.9 Attach the door handles **622-HNDL** to both doors using the **622-HNDL-NUT/BOLT** provided to both doors as shown below in **B**, and **C**.

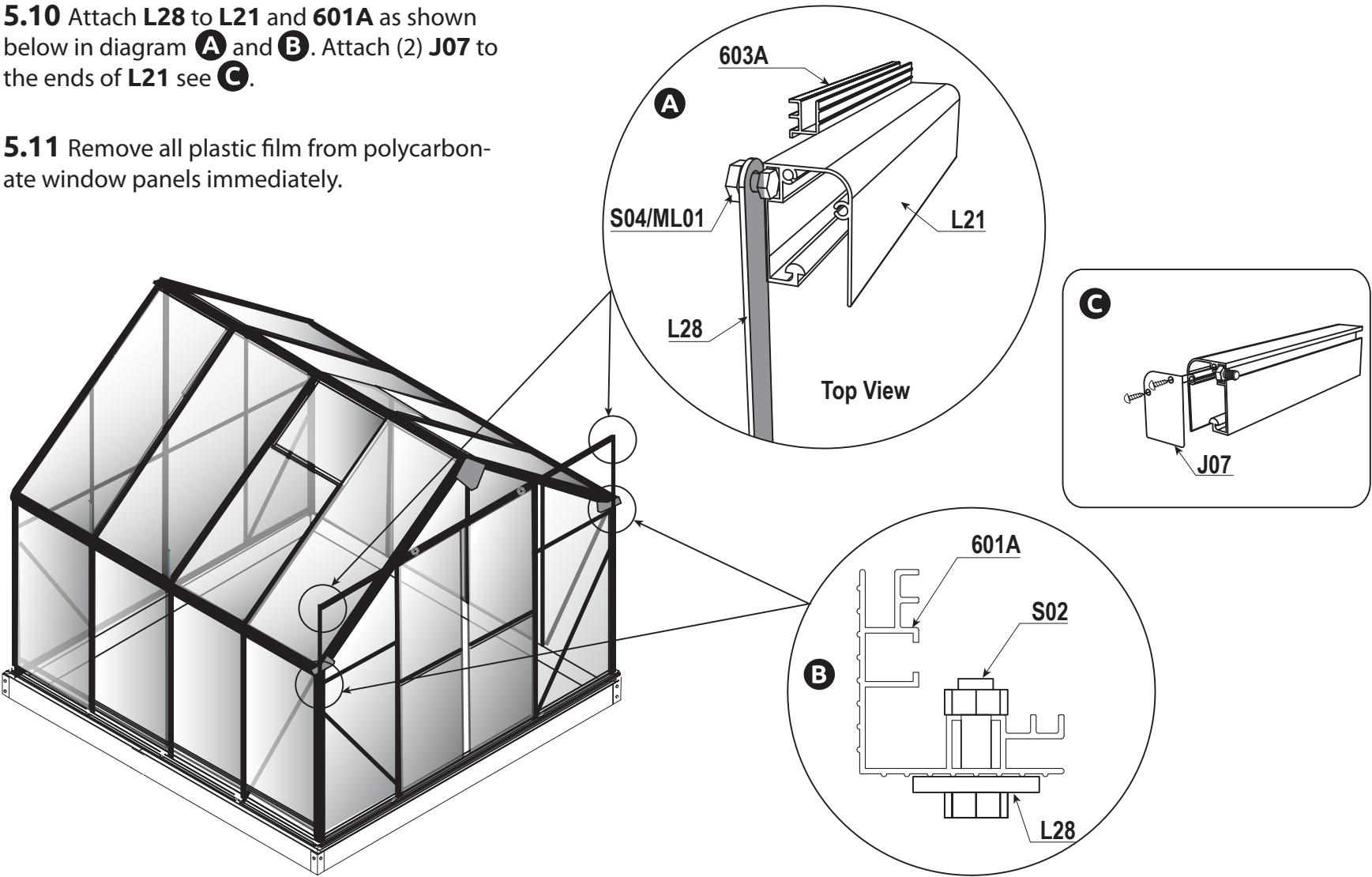
We included some felt dots in your Grandio Welcome Kit, please apply to the inside bottom edge of the **623B as shown in **D**, these felt dots will make your doors fit snug and still slide perfectly.





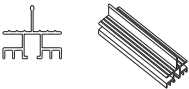
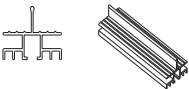
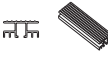
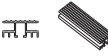
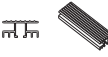



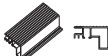


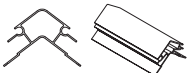
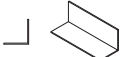
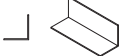
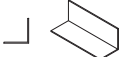
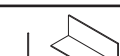
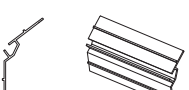
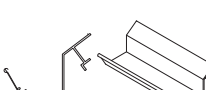




DOOR INSTALLATION


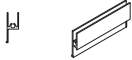
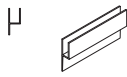





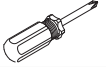
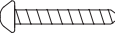


5.10 Attach **L28** to **L21** and **601A** as shown below in diagram **A** and **B**. Attach (2) **J07** to the ends of **L21** see **C**.









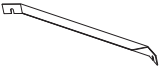

5.11 Remove all plastic film from polycarbonate window panels immediately.


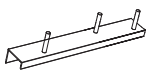
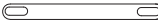

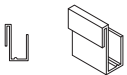
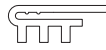
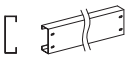
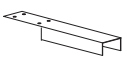

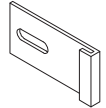


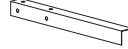









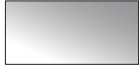


| PICTURE | PARTS NO. | GREENHOUSE MODELS | DESCRIPTION | QTY | ✓ |
|---|-----------|-------------------|------------------------------|-----|---|
|  | 601A-B | ALL MODELS | 49 1/8" BACK CORNERS | 2 | |
|  | 601A-FL | ALL MODELS | 49 1/8" FRONT LEFT CORNER | 1 | |
|  | 601A-FR | ALL MODELS | 49 1/8" FRONT RIGHT CORNER | 1 | |
|  | 601B | ALL MODELS | 57 1/8" CORNER ROOF | 4 | |
|  | 602A | GRA-88 | 49 1/8" SIDE | 6 | |
| | | GRA-812 | 49 1/8" SIDE | 10 | |
|  | 602B | GRA-88 | 57 1/8" ROOF | 6 | |
| | | GRA-812 | 57 1/8" ROOF | 10 | |
|  | 603A | ALL MODELS | 84" BACK | 1 | |
|  | 603B | ALL MODELS | 67" BACK | 2 | |
|  | 603D | ALL MODELS | 47 5/16" FRONT | 1 | |
|  | 603C | GRA-88 | 21 7/8" BACK | 4 | |
| | | GRA-812 | 21 7/8" BACK | 6 | |
|  | 603E | ALL MODELS | 17" FRONT | 1 | |
|  | 604-R | ALL MODELS | 65 9/16" FRONT RIGHT | 1 | |
|  | 604-L | ALL MODELS | THEY WILL BE PACKED TOGETHER | 1 | |

| | | | | | |
|---|--------|------------|------------------------------|---|--|
|  | 607 | GRA-88 | 94 5/16" ROOF | 1 | |
| | | GRA-812 | 142 5/16" ROOF | 1 | |
|  | L08A | ALL MODELS | 94 5/16" BACK | 1 | |
|  | L08B | ALL MODELS | THEY WILL BE PACKED TOGETHER | 1 | |
|  | L08C | GRA-88 | 94 5/16" SIDES | 4 | |
| | | GRA-812 | 142 5/16" SIDES | 4 | |
|  | L08D | ALL MODELS | 24 3/16" FRONT | 2 | |
|  | 609 | GRA-88 | 94 5/16" SIDES | 2 | |
| | | GRA-812 | 142 5/16" SIDES | 2 | |
|  | 610 | GRA-88 | 96 7/16" SIDE GUTTERS | 2 | |
| | | GRA-812 | 142 7/16" SIDE GUTTERS | 2 | |
|  | 619 | ALL MODELS | 94 5/16" FRONT | 1 | |
|  | L08A-X | ALL MODELS | 43 5/16" FRONT | 2 | |
|  | L08B-X | ALL MODELS | 43 5/16" BACK | 2 | |
|  | L08C-X | ALL MODELS | 54 5/16" SIDES | 4 | |




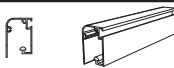



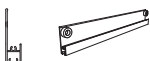




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|---|-------|------------|-------------------------|----|--|
|  | 615 | GRA-88 | 22 3/4" ROOF WINDOW | 2 | |
| | | GRA-812 | 22 3/4" ROOF WINDOW | 4 | |
|  | 616 | GRA-88 | 22 3/4" ROOF WINDOW | 2 | |
| | | GRA-812 | 22 3/4" ROOF WINDOW | 4 | |
|  | 618 | GRA-88 | 19 9/16" ROOF WINDOW | 4 | |
| | | GRA-812 | 19 9/16" ROOF WINDOW | 8 | |
|  | W01 | ALL MODELS | FRONT & BACK | 2 | |
|  | W02 | ALL MODELS | FRONT & BACK | 4 | |
|  | W02T | ALL MODELS | FRONT | 2 | |
|  | W04 | GRA-88 | ROOF | 5 | |
| | | GRA-812 | ROOF | 9 | |
|  | W04-1 | ALL MODELS | BACK | 2 | |
|  | W11 | ALL MODELS | #2 PHILLIPS SCREWDRIVER | 1 | |
|  | Z01 | ALL MODELS | 4X30 | 13 | |
|  | Z02 | GRA-88 | 5X12 MM | 9 | |
| | | GRA-812 | 5X12 MM | 17 | |
|  | Z03 | ALL MODELS | 3X25 MM | 4 | |

| | | | | | |
|---|----------|------------|----------------------|-----|--|
|  | Z04 | GRA-88 | 2 Roof Vents | 4 | |
| | | GRA-812 | 4 Roof Vents | 8 | |
|  | S02 | ALL MODELS | 6X20 MM | 4 | |
|  | S03/M01 | GRA-88 | M6X10 | 17 | |
| | | GRA-812 | M6X10 | 25 | |
|  | ML01/S04 | GRA-88 | M6X14 | 122 | |
| | | GRA-812 | M6X14 | 150 | |
|  | S05 | ALL MODELS | PHILLIPS SCREWS | 30 | |
|  | J601 | ALL MODELS | FRONT & BACK | 2 | |
|  | J602A-E | ALL MODELS | FRONT & BACK | 2 | |
|  | J602B-E | ALL MODELS | FRONT & BACK | 2 | |
|  | BZ-1 | GRA-88 | CENTRAL ROOF SUPPORT | 3 | |
| | | GRA-812 | CENTRAL ROOF SUPPORT | 5 | |
|  | CZ-1 | GRA-88 | LOWER ROOF SUPPORT | 6 | |
| | | GRA-812 | LOWER ROOF SUPPORT | 10 | |

| | | | | | |
|--|--------|------------|------------------------|--------|--|
|  | HQC01 | GRA-88 | ROOF | 2 | |
| | | GRA-812 | ROOF | 4 | |
|  | HQC02 | GRA-88 | ROOF | 2 | |
| | | GRA-812 | ROOF | 4 | |
|  | L28 | ALL MODELS | DOOR | 2 | |
|  | W13 | ALL MODELS | 10 MM NUT DRIVER | 1 | |
|  | 606 | GRA-88 | WINDOW SEAL | 14 | |
| | | GRA-812 | WINDOW SEAL | 18 | |
|  BLACK WINDOW SEAL | 609-WS | ALL MODELS | WINDOW SEAL | 22 | |
| | | ALL MODELS | WINDOW SEAL | 32 | |
|  | BASE | GRA-88 | BASE SECTIONS | 4 | |
| | | GRA-812 | 72" 97" | 2 4 | |
|  | W07 | GRA-88 | MID BASE ANCHOR | 0 | |
| | | GRA-812 | MID BASE ANCHOR | 2 | |
|  | W08 | GRA-88 | MID BASE BACK PLATE | 0 | |
| | | GRA-812 | MID BASE BACK PLATE | 2 | |
|  | W05 | GRA-88 | BASE CLIP | 15 | |
| | | GRA-812 | BASE CLIP | 19 | |

| | | | | | |
|---|------|------------|--------------------|----|--|
|  | W06 | ALL MODELS | CORNER ANCHOR | 4 | |
|  | Y1 | ALL MODELS | FRONT & BACK PANEL | 2 | |
|  | Y2 | ALL MODELS | FRONT & BACK | 2 | |
|  | Y3-1 | ALL MODELS | FRONT PANEL | 1 | |
|  | Y3-2 | ALL MODELS | FRONT PANEL | 1 | |
|  | Y4 | ALL MODELS | BACK PANEL | 2 | |
|  | Y5-1 | ALL MODELS | BACK PANEL | 1 | |
|  | Y5-2 | ALL MODELS | BACK PANEL | 1 | |
|  | Y6 | ALL MODELS | DOOR PANEL | 4 | |
|  | Y7 | GRA-88 | SIDE PANEL | 8 | |
| | | GRA-812 | SIDE PANEL | 12 | |
|  | Y8 | GRA-88 | ROOF PANEL | 6 | |
| | | GRA-812 | ROOF PANEL | 8 | |
|  | Y9 | GRA-88 | ROOF VENT PANEL | 2 | |
| | | GRA-812 | ROOF VENT PANEL | 4 | |
|  | Y10 | GRA-88 | BELOW ROOF VENT | 2 | |
| | | GRA-812 | BELOW ROOF VENT | 4 | |

NOTES

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|---|----------------------|------------|---|---|
|  | 622-HNDL | ALL MODELS | DOOR HANDLES PACKED TOGETHER | 4 |
|  | 622-HNDL NUT/BOLT | ALL MODELS | DOOR HANDLES | 4 |
|  | 620 | ALL MODELS | 21 7/16" DOOR | 2 |
|  | L21 | ALL MODELS | 95 1/2" DOOR | 1 |
|  | 622 | ALL MODELS | 64 7/16" DOOR ALL PACKED TOGETHER | 2 |
|  | 622-L | ALL MODELS | 64 7/16" LEFT DOOR | 1 |
|  | 622-R | ALL MODELS | 64 7/16" RIGHT DOOR | 1 |
|  | 623A | ALL MODELS | 21 1/2" DOOR | 2 |
|  | 623B | ALL MODELS | 21 5/16" DOOR | 2 |
|  | J04 | ALL MODELS | Discard Rollers NOT FOR USE WITH THIS MODEL | 4 |
|  | J07 | ALL MODELS | DOOR | 2 |
|  | J08A | ALL MODELS | DOOR | 4 |

[illegible]



GRANDIO

G R E E N H O U S E S

Model GRA-88-GR & Model GRA-812-GR

GREENHOUSE USER MANUAL KEEP IN A SAFE PLACE FOR REFERENCE

CONTACT US IF YOU NEED HELP
OR
HAVE MISSING OR DAMAGED PARTS

GRANDIOGREENHOUSES.COM

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