GRANDIO®

G R E E N H O U S E S

GRANDIO ELITE 8x8 KIT MANUAL
INCLUDES INSTRUCTIONS FOR BACK DOOR TRANSFORMATION

Grandio Elite 8x8 Shown In Image

GREENHOUSE USER MANUAL

STOP

This manual is for an 8x8 Grandio Elite Kit.

If building an 8x12, 8x16, 8x20, or 8x24 refer to that manual.

GRANDIO®
GREENHOUSES

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:
1-866-448-8231

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. Instructions for the Back Door Transformation kit are noted in this manual.

☐ 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 white film side faces inside greenhouse. Panels may scratch easily so be very carful what you clean them with.

☐ 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, plan to complete assembly in one day. Damage caused by incomplete assembly is not covered by warranty.

☐ 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!

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 46-50. 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.) Panels may scratch easily. **Do Not** use solvent cleaners.

• Each of the polycarbonate panels have a clear film side that should always face the sun, and a white film side which faces inside. The clear side has a UV coating and we recommend marking a small "x" on a corner of each panel to determine which side has the UV Coating as you cannot visually determine with your eye in the case of future disassembly.

• 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.

• A 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. If not properly installed warranty may be void.

NEEDED FOR ASSEMBLY

• Tape Measure	• 2 Step Ladders	• Safety Glasses
• Level	• Work Gloves	• Drill
• Carpenter Square	• Permanent Marker	• Silicone Caulk
• At Least 2 Adults	• Masking Tape	• Folding Utility Table

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

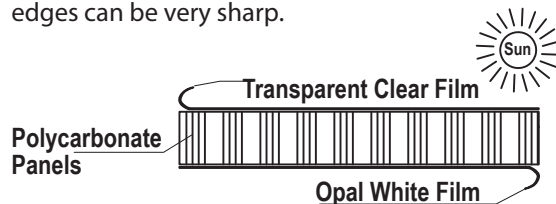# PREPARE A FOUNDATION FOR YOUR GRANDIO GREENHOUSE

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.

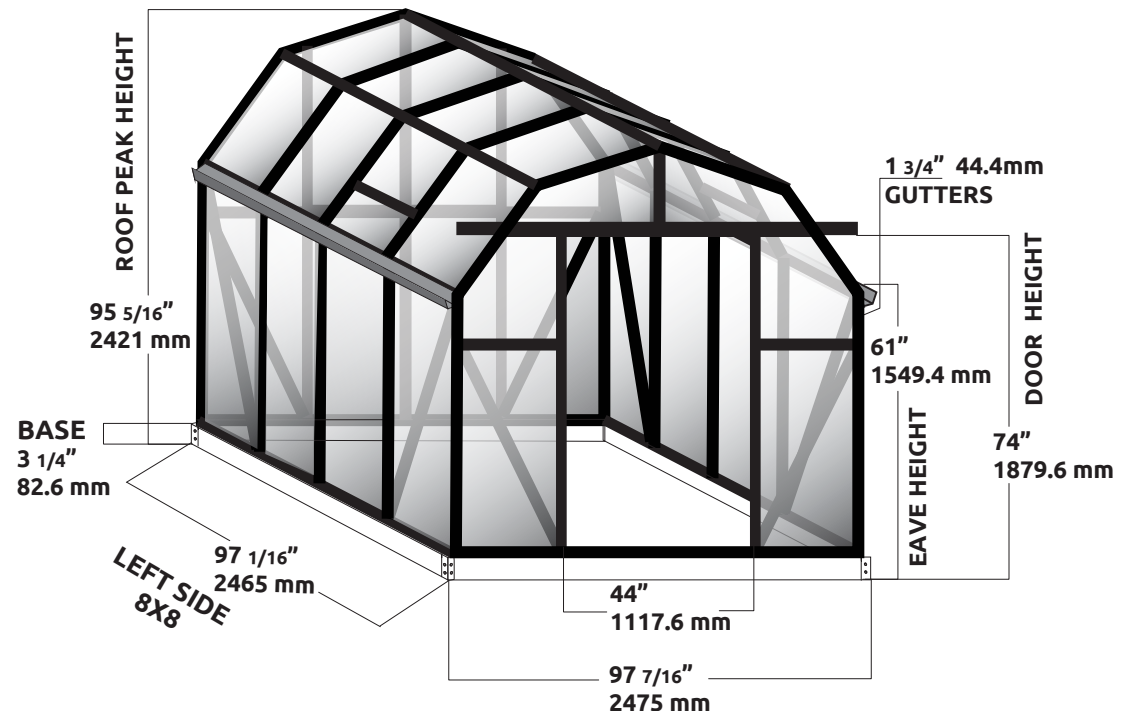Pre-read pages 6-9 for base kit assembly information.

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

⚠ IMPORTANT: POLYCARBONATE PANELS ⚠

The UV-Protected side is covered with clear film and must face toward the sun. The side covered in white film will always face the interior of the greenhouse. We suggest you peel all film off completely prior to assembly and use a permanent marker to place a small "X" on the lower right corner of each panel on the clear side that faces the sun, each panel has a sticker labeling the panel number and this side always faces the sun or outward as well. **DO NOT REMOVE LABELS UNTIL YOU INSTALL PANELS**. The "X" is suggested in case you dis-assemble your greenhouse in the future so you may identify which side has the UV coating. Always use gloves when handling the polycarbonate panels as the edges can be very sharp.

Sun

Transparent Clear Film

Polycarbonate Panels

Opal White Film

8X8 GRANDIO ELITE BARN STYLE GREENHOUSE DIMENSIONS

ROOF PEAK HEIGHT

95 5/16"
2421 mm

BASE
3 1/4"
82.6 mm

LEFT SIDE
8X8

97 1/16"
2465 mm

1 3/4" 44.4mm
GUTTERS

DOOR HEIGHT

61"
1549.4 mm

EAVE HEIGHT

74"
1879.6 mm

44"
1117.6 mm

97 7/16"
2475 mm

BACK

DIAGRAM SHOWS THE ASSEMBLED
(8'x8' BASIC CONFIGURATION)
(GRA-ELI-8A & GRA-ELI-8P & GRA-BA-8)
8x8 ELITE KIT INCLUDES, FRONT,
BACK, BASE AND SIDES.

L08A   BA-S1

606-WS   606-WS   606-WS   606-WS
L08B-X   L08B-X
601A-B   601A-B

Y1   Y1   Y1   Y1

L08B

Outside View

610   603C   603C   603C   603C   610
602DL   Y5-2   Y5-1   602DR
601B   Y4-2   Y4-1   601B
630   602C   630

601B   601B

LEFT SIDE

601A-B   609   610   609   630

L08C-X
606-WS   Y7   Y8   Y11
602A   602B

606-WS   603C/616   618
BA-S2   Y7   Y9   Y10   Y11
602A   602B

607

606-WS   Y7   Y8   Y11
602A   602B

Y7   Y8   Y11
L08C-X
606-WS   609   609

601A-FL
601A-FL

FRONT

601B   601B
630   Y3-1   Y3-2   630
603E   603D   L21
601B   Y2-1   623A   623A   Y2-2   601B
610   622-L   622-R   610
L08D   Y6   Y6   L08D
603C   622   622   603C
604-L   620   620   604-R
601A-FL   Y1   Y6   Y6   Y1   601A-FR
L08A-X   L08A-X
606-WS   623B   623B   606-WS
619   BA-S1

RIGHT SIDE

630   609   610   609   601A-B

Y11   Y8   Y7   L08C-X
602B   602A   606-WS

Y11   618   603C/616   606-WS
Y10   Y9   Y7   BA-S2
602B   602A

Y11   Y8   Y7   606-WS
602B   602A

Y11   Y8   Y7   606-WS
609   L08C-X
609

601A-FR

4

ASSEMBLY INSTRUCTION STEPS

PREPARE FOR ASSEMBLY

STEP ONE: BASE ASSEMBLY

STEP TWO: FRONT ASSEMBLY

STEP THREE: BACK ASSEMBLY

STEP FOUR: MIDDLE ASSEMBLY

STEP FIVE: DOOR ASSEMBLY

STEP SIX: INTERIOR ROOF SUPPORTS

BASE KIT ASSEMBLY INSTRUCTIONS

Pre-Plan The Placement Of Your Structure
Allow enough room to get a wheel barrow in and around your structure.

Be sure the orientation will allow for proper drainage in and around your greenhouse.

It is recommended that you place your greenhouse in an area of your property that receives the most sunlight but is also somewhat protected by trees, fencing or your home for wind protection and also to keep the temperature up during early spring and late fall.

The best placement depends on the features of your property, it is suggested in most scenarios to have your greenhouse face South on its broadest side and to have the door face East or West depending on typical wind directions in your area. Do not worry if your orientation will not allow for the placement to be as suggested, as a greenhouse that is facing North is better than no greenhouse at all.

Avoid building your greenhouse at the base of a slope as these are often frost pockets where cold air collects, this will not be good for your greenhouse in keeping the temperature up inside.

Extreme Wind Conditions: If you live in a windy location there is no way to build a 100% storm safe greenhouse, but there are a number of things you can do to minimize the chance of damage. Ensure that the base is level and square, be sure all panels are tightly in place and that all aluminum extrusions are tight. The main problem is usually that wind gets into the greenhouse and the pressure pushes a panel out and then the force of the wind on the interior causes more damage. It is best if you are expecting an extreme weather event that you disable any auto roof vents and make sure all doors and windows are closed and locked shut. Also you may need to build a wind break for extreme condition areas where wind is constant and extreme.

See our website GrandioGreenhouses.com for **Extreme Weather Anchoring Kits** and **Moisture Control Kits** to aid in protecting your greenhouse in the event of harsh weather conditions prior to beginning assembly.

It is ideal for your greenhouse to have water, electricity and even gas plumbed into place before construction. This will make watering plants and keeping the temperature and air circulation to the max efficiency.
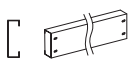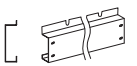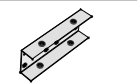
Choose an anchoring system prior to beginning installation, see our website for options: **www.GrandioGreenhouses.com**

For Cement Base Installation: We recommend you use Wedge Style Concrete Sleeve Anchoring Bolts to secure your structure.

For Deck Base Installation: We recommend you use Anchoring Bolts or Lag Screws to secure your structure.

For Earth Installation: We recommend you use the BA-A1 / L-BOLT anchoring system, and bury corner posts into the ground and seal into place with quickrete.

STEP ONE

BASE KIT PARTS LIST FOR 8'X8'

GRAPHIC	PART NAME	SIZE/LOCATION	QUANTITY
	BA-S1	97 3/8 in / 2474 mm	2
	BA-S2	94 1/4 in / 2394 mm	2
	BA-C3	5 7/16 in 138 mm	4

GRAPHIC	PART NAME	SIZE/LOCATION	QUANTITY
	BA-S03	M6*14	28
	ML01	BOLT	28
	W05	CLIP	9

1.1 Layout all base kit pieces to prepare for assembly. Note that one **BA-S1** will be at the front and one will be at the back and the **BA-S2's** will be on the sides. See diagram (A) .

BA-C3
BA-S1
HOLE FOR ANCHOR
BA-C3
BA-S2
97 1/16" / 2465 mm
(A)
BA-S2
HOLE FOR ANCHOR
HOLE FOR ANCHOR
BA-C3
BA-S1
BA-C3
HOLE FOR ANCHOR
97 7/16" 2475 mm

7
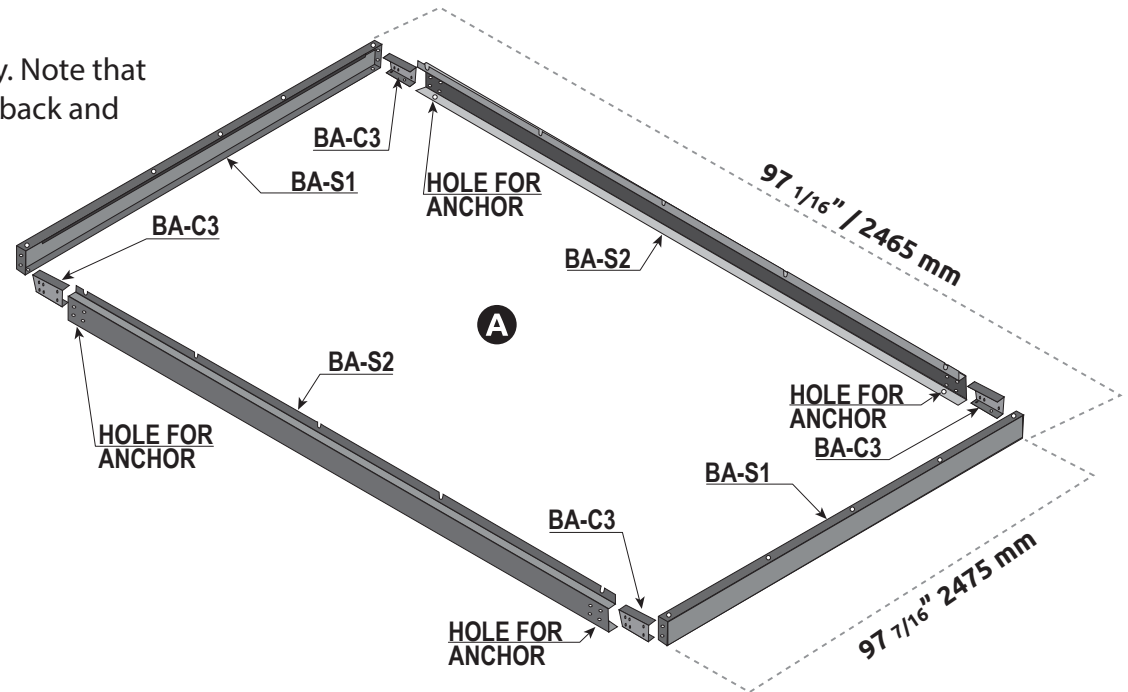
BASE KIT ASSEMBLY INSTRUCTIONS

1.2 Slide the **BA-C3** into the **BA-S1**, slide the **BA-S2** into the **BA-C3**, align the holes and push together to an even and tight position and use the **BA-S03** bolt and **ML01** collard nut combo, tighten the collard nut on the inside of the base kit using the 10mm wrench or nut driver. Repeat this process on all corners. See **A** and **B**.
Note: Placement of **BA-S1** will be at front and the back, while the **BA-S2's** will be the sides of your greenhouse base.

1.3 Locate the anchoring devices for your installation needs and follow the directions for that anchoring system that you chose upon ordering your kit. If you need a new anchoring system please go to www.GrandioGreenhouses.com for anchoring kit options.

A

BA-S2

BA-S1

FRONT

SIDE

BA-S03
ML01

BA-C3

Hole for Anchor of your choice

B

BA-S03   BA-S1

BA-C3

BA-S03

BA-S03

ML01 Collared Nut

BA-S2

ML01 Collared Nut

Hole for Anchor of your choice
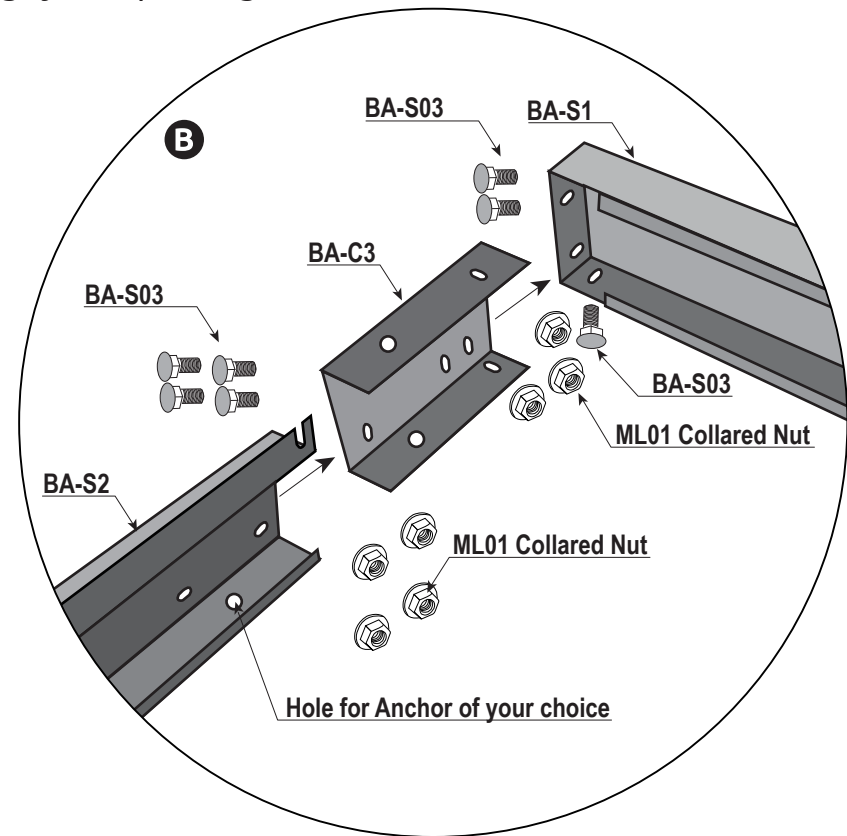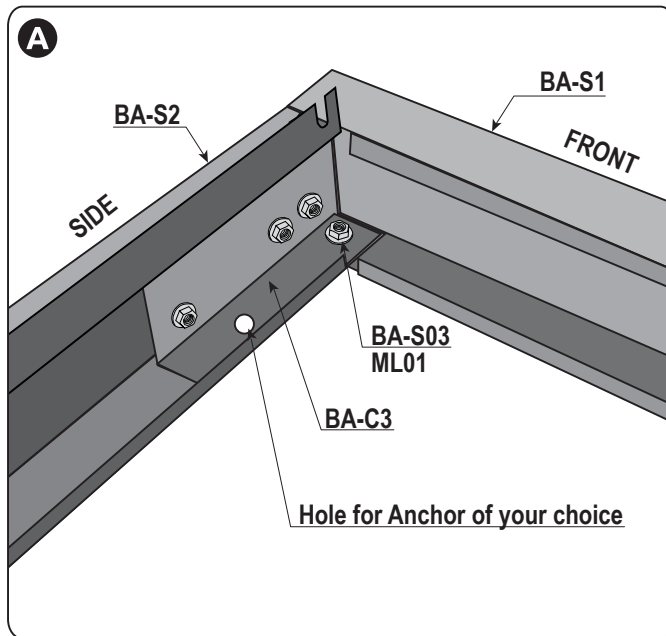
BASE KIT ASSEMBLY INSTRUCTIONS

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

A **Holes are present for BA-A1 / L-BOLT in ground anchoring system.** You determine and aquire proper fastener prior to installation.

Outdoor Ground Assembly

Base

A
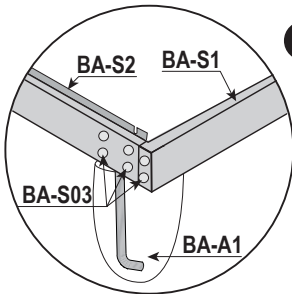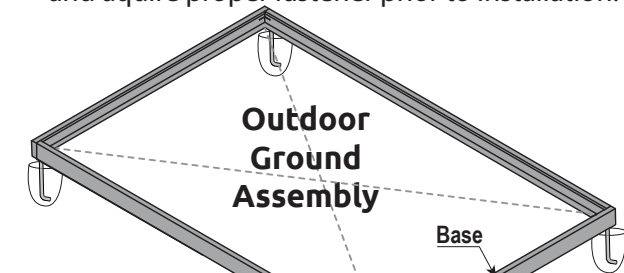
A

BA-A1 * Must be inserted into the ground, and secured with concrete.

BA-S2 BA-S1

BA-S03

BA-A1

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

OR

DECK OR PATIO INSTALLATION

B **Holes are present in base kit for anchoring bolts for concrete pad or wood deck installation.** You determine and aquire proper fastener prior to installation.

Deck or Patio Assembly

Base

B

B

BA-S1

BA-S2

BA-C3
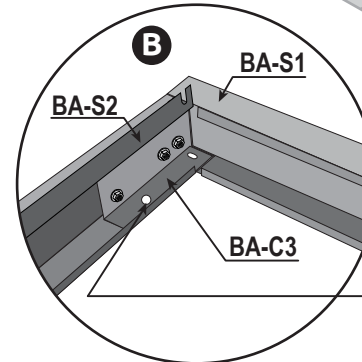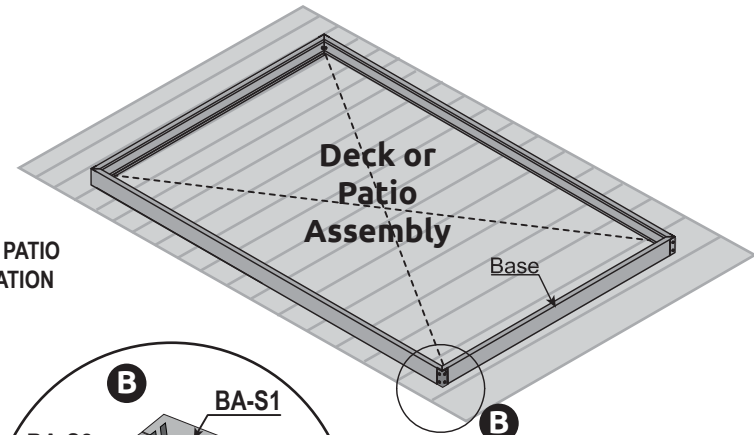
Use an appropriate fastener to attach to your surface through these access holes. See GrandioGreenhouses.com for anchoring options.

CONCRETE MIX
Mezcla de Concreto de Fraguado Rápido
QUIKRETE

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.

If surface is uneven you may want to purchase large washers that will fit under the base and allow fasteners to go through to use as a shim for leveling the base kit.

STEP ONE

FRONT FRAME ASSEMBLY INSTRUCTIONS
ALWAYS ASSEMBLE FRONT HORIZONTAL

This picture shows the inside view of front section fully assembled.
All parts for front assembly will be found in box GRA-ELI-8A and GRA-ELI-8P.
We recommend that you assemble the front on a tarp.
* If you purchased the Back Door Transformation kit you will repeat this section for your back wall
using parts found in the GRA-ELI-BDA, GRA-ELI-BDP, GRA-ELI-8A and GRA-ELI-8P boxes.
If you want to purchase the Back Door Transformation kit call 1-866-448-8231.
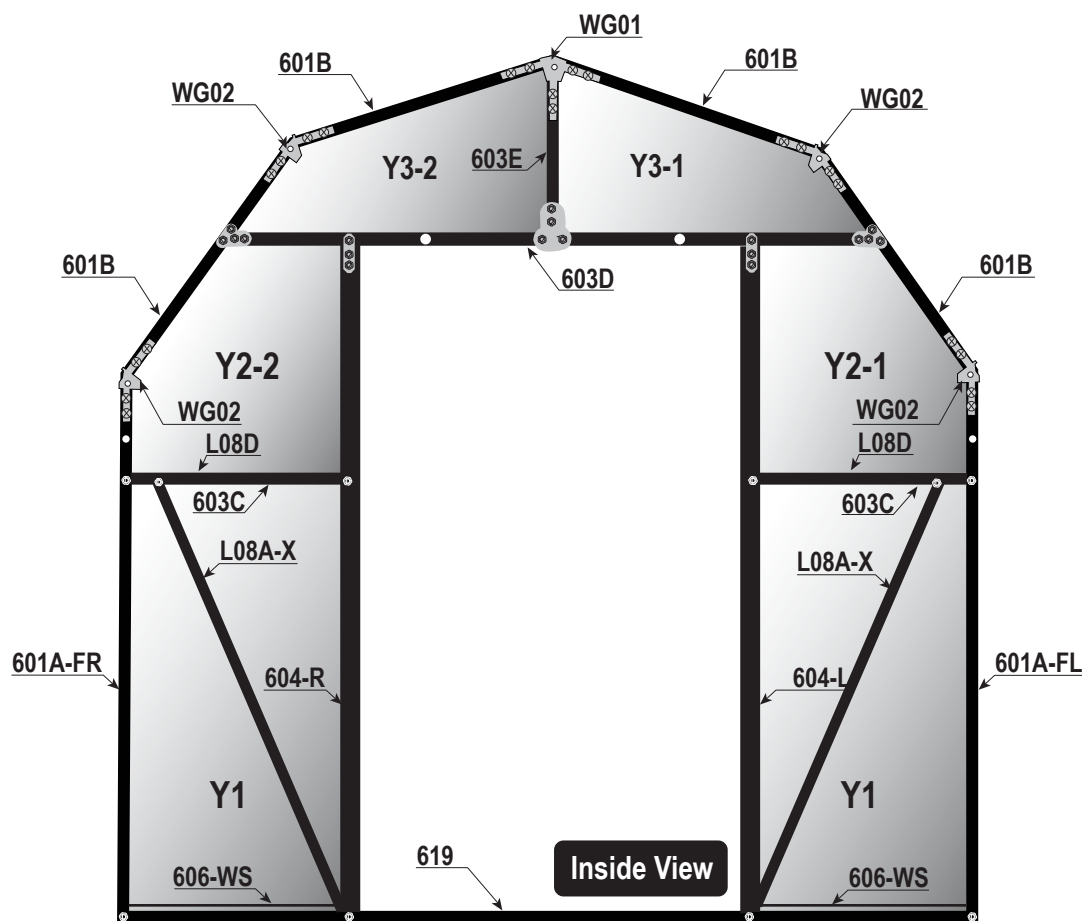
WG01
601B
601B
WG02
WG02
Y3-2
603E
Y3-1
603D
601B
601B
Y2-2
Y2-1
WG02
WG02
L08D
L08D
603C
603C
L08A-X
L08A-X
601A-FR
604-R
604-L
601A-FL
Y1
Y1
606-WS
619
Inside View
606-WS

GRANDIO TIP 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.
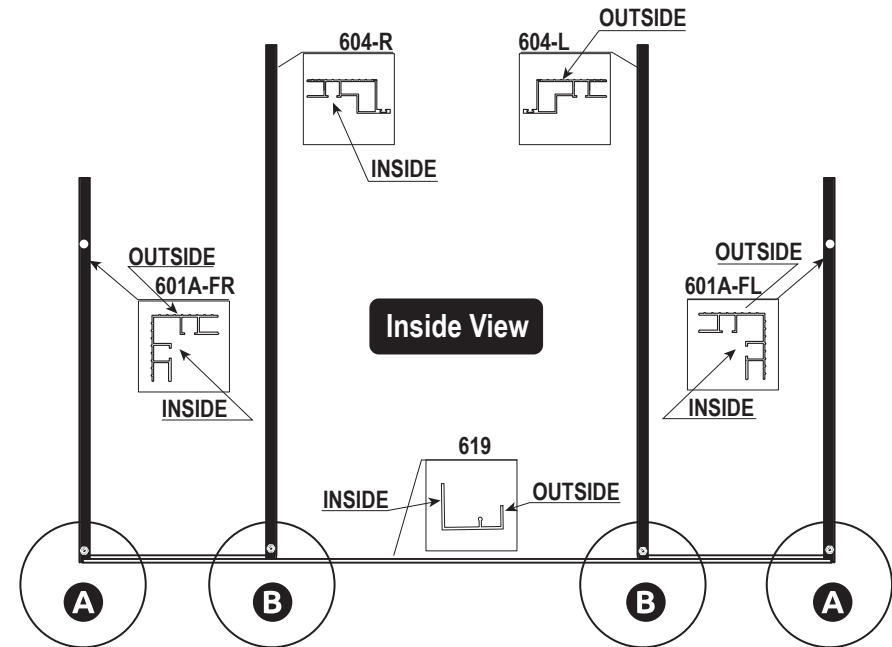
GRANDIO TIP **BOLT INSTALLATION TIP:** Locate all nuts and bolts, pre thread and place in the groove of the extrusion to make installation easier. Move up or down for exact placement.

STEP TWO

10
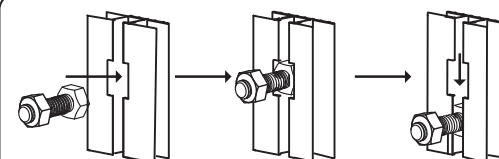
FRONT FRAME ASSEMBLY CONTINUED
ALWAYS ASSEMBLE FRONT HORIZONTAL

2.1 Prethread all **S05** screws into the **WG01** and **WG02's** for ease of installation, see **A** only turn **S05** a few turns. Leave the mid hole open, as this is for the end cap attachment.

2.2 Use **WG01** bracket to attach the (2) **601B's** together with the **603E**, secure parts with the **S05** screws provided see **B**. The **WG01** will slide into the groove of the **601B's,** and also slide into the groove of the **603E,** screw head will remain outside channel**.**

2.3 Install **WG02's** into (2) **601B's** then tighten **S05** screws when extrusions are completely tight see **C** . Note: the fat end of the **WG02** will always be on the bottom side see **A** .
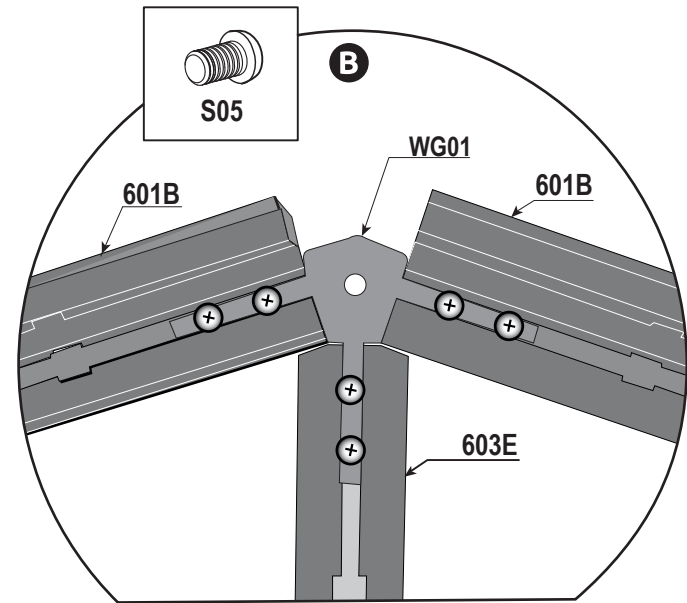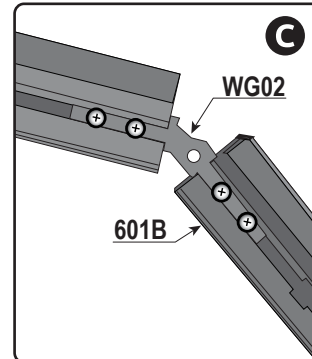
⚠ **IMPORTANT: Use only S05 Screws, other screws may damage frame.** ⚠

S05

WG01

601B

601B

603E

Inside View

WG02
601B
C

WG02   601B   **B** WG01 601B   WG02
601B   **C**   603E   **C** 601B

GRANDIO TIP
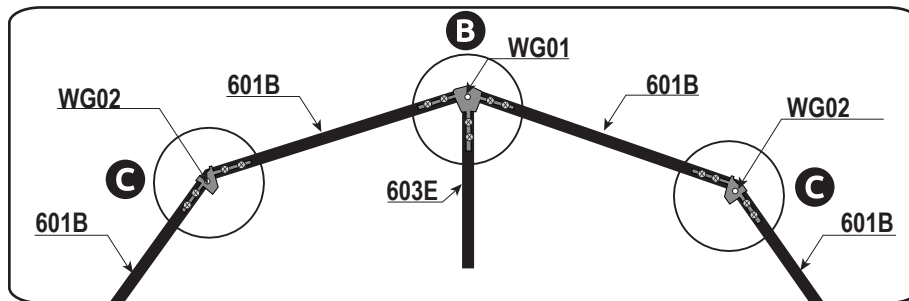
PRETHREAD SCREWS TIP: Locate all **WG01**, **WG02**, and **S05** screws, pre thread these to make installation easier. Note that the fat end on the **WG02** will always face downward.

A FAT END   FAT END
WG02   WG01   WG02
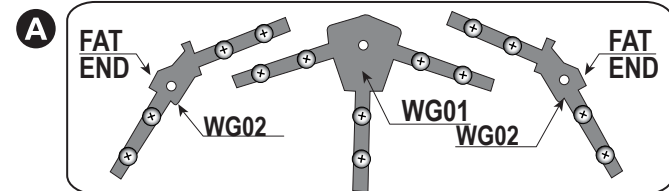
FRONT FRAME ASSEMBLY CONTINUED
ALWAYS ASSEMBLE FRONT HORIZONTAL
*IF USING THE MOISTURE CONTROL KIT YOU WILL USE IT NOW

2.4 Insert polycarbonate panels **Y3-2** and **Y3-1** into place as shown in **A**.

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

2.6 Attach the **603D** to the **601B's** using the **W04-1's** with the **S04/ML01** fasteners on both sides as shown in **C**.
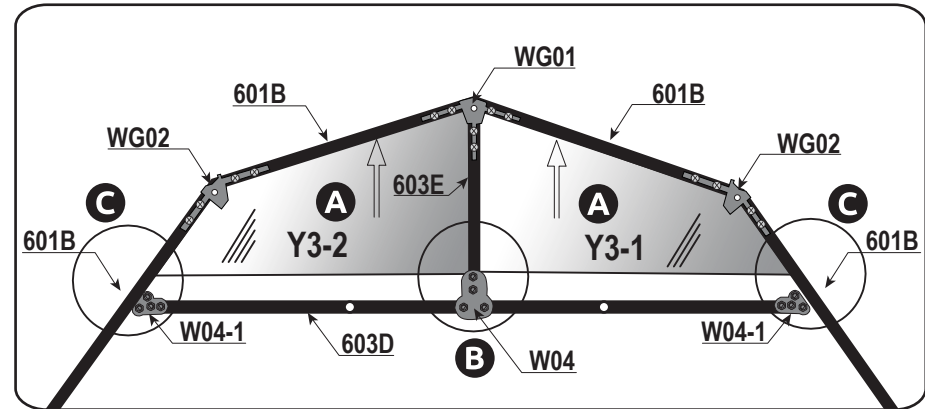
⚠ IMPORTANT: POLYCARBONATE PANELS ⚠

The UV-Protected side is covered with clear film and must face toward the sun. The side covered in white film will always face the interior of the greenhouse. We suggest you peel all film off completely prior to assembly and use a permanent marker to place a small "X" on the lower right corner of each panel on the transparent side that faces the sun, each panel has a sticker labeling the panel number and this side always faces the sun or outward as well. **DO NOT REMOVE LABELS UNTIL YOU INSTALL PANELS**. The "X" is suggested in case you dis-assemble your greenhouse in the future so you may identify which side has the UV coating. Always use gloves when handling the polycarbonate panels as the edges can be very sharp.

Sun

Transparent Clear Film

Polycarbonate Panels

Opal White Film
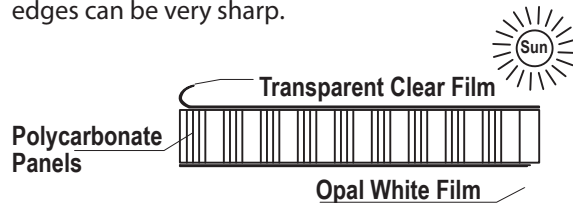
Inside View
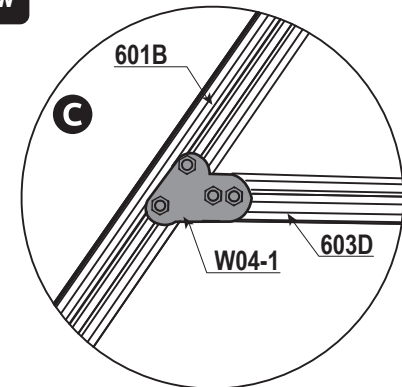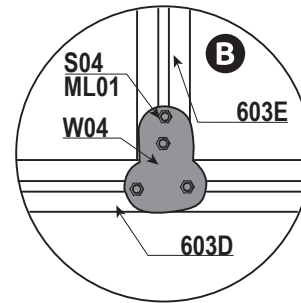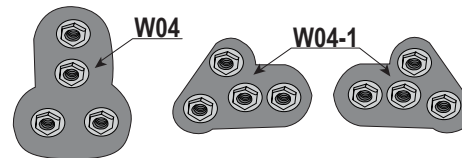
BOLT INSTALLATION TIP:
GRANDIO TIP
Locate **ML01**/**S04** nuts and screws, loosely pre thread into the **W04** and **W04-1's** and place in the groove of the extrusion to make installation easier.

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FRONT FRAME ASSEMBLY CONTINUED
ALWAYS ASSEMBLE FRONT HORIZONTAL

2.7 View diagrams and attach the (2) **604's** and (2) **601A's** to the **619**. Note the orientation of the **604's**, there are 4 different **601A's** (2) for the front and (2) for the back with different hole placements. See diagram on this page. The **601-FR** and the **601-FL** will have a hole at the top side and will face forward.

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

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

*If assemblling the back door you will need to drill 1/4 inch holes in **601A-B's** to match the front wall, these holes should face the ground during assembly.

GRANDIO TIP

BOLT INSTALLATION TIP: Locate all nuts and bolts, pre thread and place in the groove of the extrusion to make installation easier. Move up or down for exact placement.

GRANDIO TIP
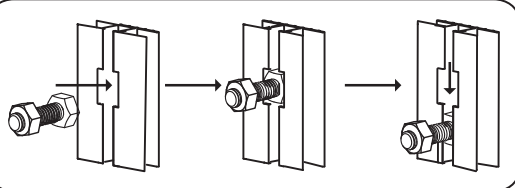
Note the larger holes on **601A-FR** and **601A-FL** front pieces need to face the top front of the greenhouse.

Inside View

604-R   604-L   OUTSIDE
INSIDE
OUTSIDE   601A-FR   INSIDE
OUTSIDE   601A-FL   INSIDE
619   INSIDE   OUTSIDE
A   B   B   A

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

A
601A-FR
ML01
619
S04   INSIDE
Inside View

B
604-R
ML01
S04
INSIDE DOOR FRAME
619
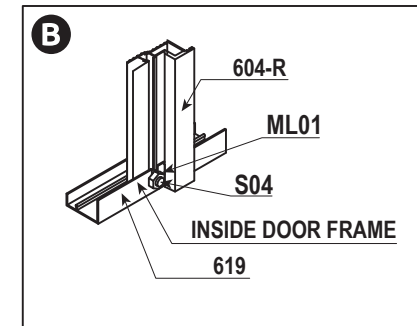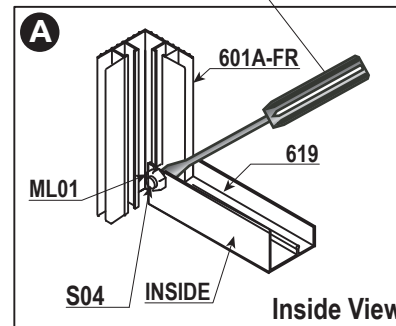
2.8 Attach **606-WS** to **619**, this will hold the polycarbonate panels in place. If it seems too tight slide fingers or nut driver along edges, gently stretching the **606-WS** to allow room for panels to fit **A**.

2.9 Insert **Y1** polycarbonate panels into place, make sure **Y1's** slide completely into **606-WS** as shown in **B**.

2.10 Set (2) **603C's** atop the **Y1** panels, then attach (2) **L08D's** to the **603C's**, **601A's** and **604's** using **S04/ML01** fasteners, make sure it is snug with the tops of the **Y1** panels, then tighten fasteners. See **C**.

2.11 Insert the **Y2-2** and **Y2-1** polycarbonate panels as shown in **D**.

B
Polycarbonate panel
606-WS
OUTSIDE
619

604-R   604-L
Y1   Y1
601A-FL
601A-FR
B   B
A 606-WS   A 606-WS
619
Inside View

GRANDIO
TIP
Transparent Clear Film
Outside Greenhouse
Polycarbonate Panel
Opal White Film
Inside Greenhouse

C
603C
L08D
601A
S04/ML01
604

D   **D**
Y2-2   Y2-1
L08D   L08D
C   603C   L08D C   603C   C
Y1   603C   Y1
601A-FR 604-R   601A-FR 604-R   604-L 601A-FL

STEP TWO

14
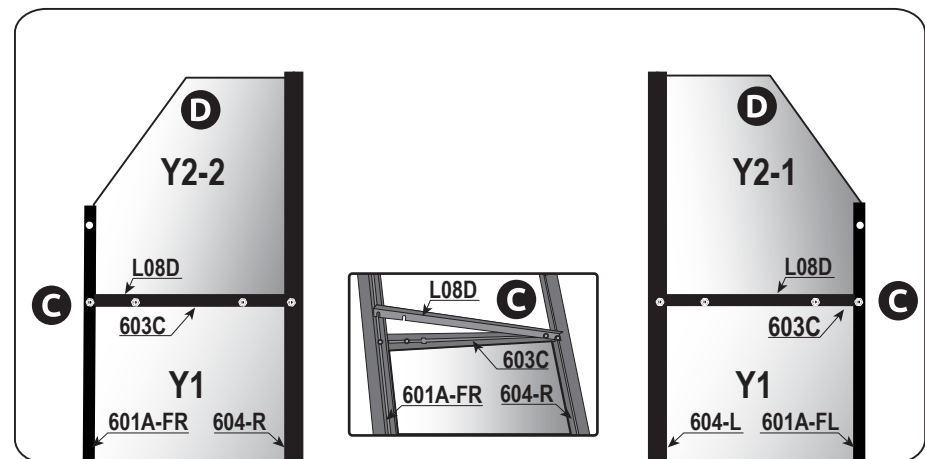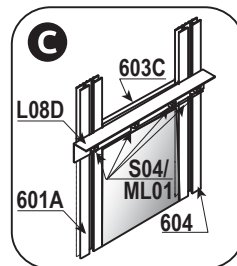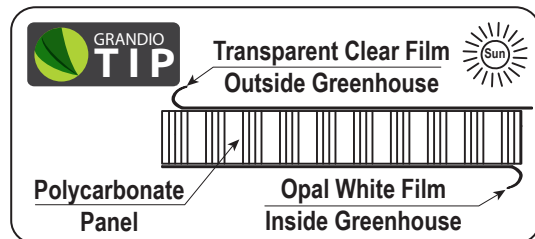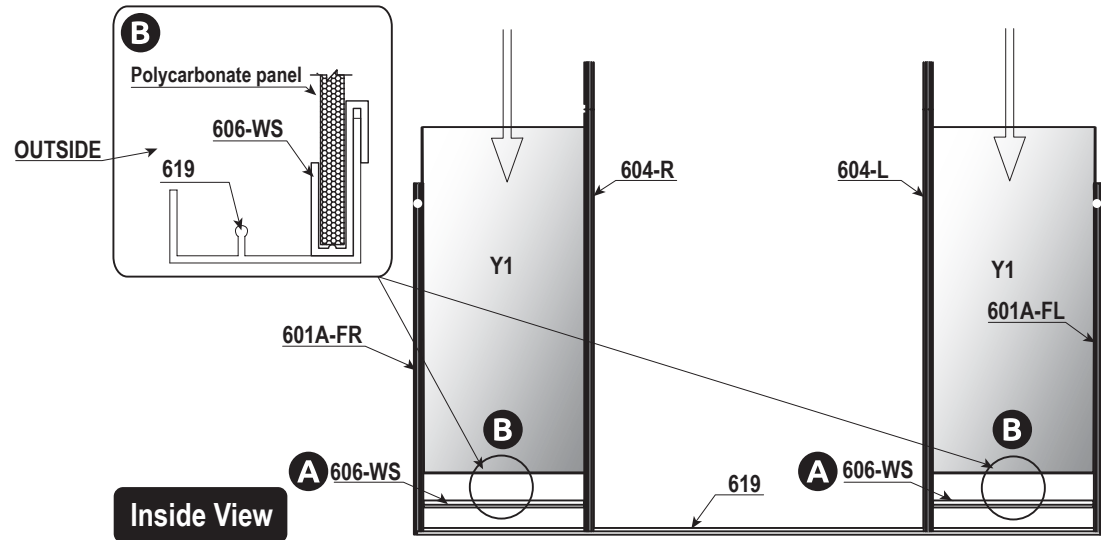
FRONT FRAME ASSEMBLY CONTINUED
ALWAYS ASSEMBLE FRONT HORIZONTAL

2.12 Move roof and front section together and align the **WG02's** into the **601A's**, and the **W04-2's** into the **604's**. Insure a snug fit between the **WG02's, 601B's** and **601A's** and then tighten the **S05** screw as shown in **A** . Tighten the **W04-2's** with the **S04 /ML01** nut and bolt as shown in **B** .

2.13 Attach the **L08A-X's** to **L08D'S** and **604's** to square front section loosen **S04/ML01** attached to the bottom of the (2) **604's**, square the frame with carpenter square or use a measuring tape to make sure corner measurements are the same, also check distance across from the top of **601A's,** and also to the bottom of the **601A's** across, make sure distance is the same. Tighten **L08A-X's** to hold squareness as shown in **C** .

Profile View

Inside View

15
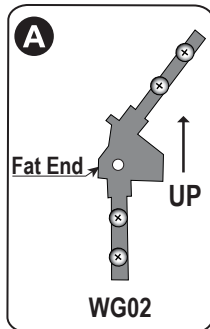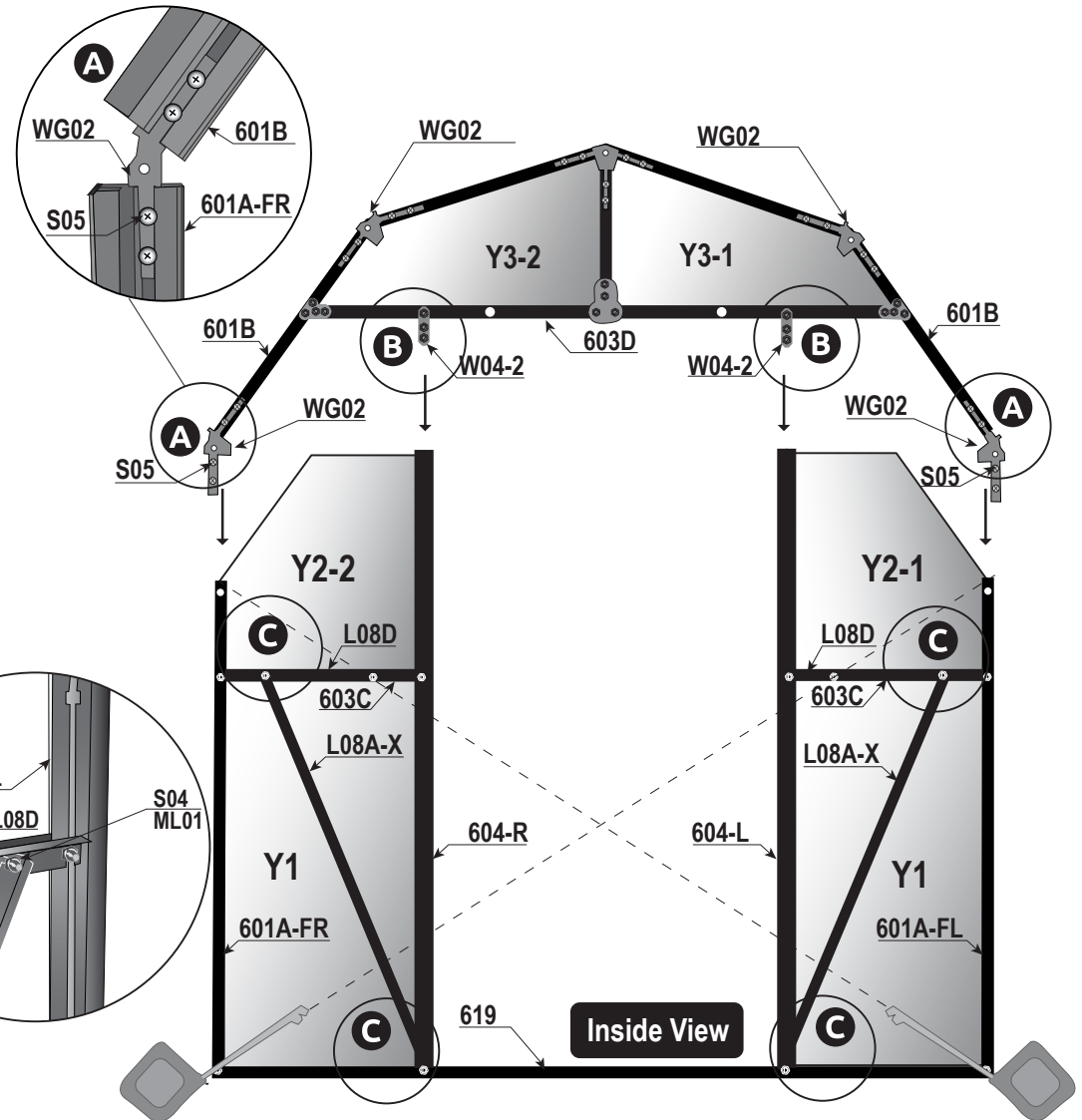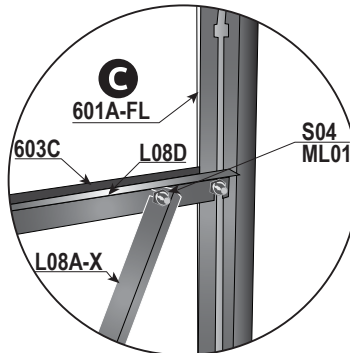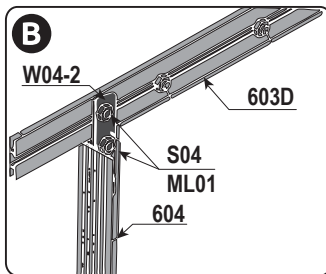
BACK ASSEMBLY INSTRUCTIONS
ALWAYS ASSEMBLE BACK HORIZONTAL

This image shows the inside view of the back wall assembly.
All parts for back assembly will be found in box GRA-ELI-8A and GRA-ELI-8P.
We recommend that you assemble the back wall on a tarp.
* If you are using the Back Door Transformation Kit you will skip this section.

GRANDIO TIP

Transparent Clear Film
Outside Greenhouse

Polycarbonate Panel

Opal White Film
Inside Greenhouse

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.

GRANDIO TIP **BOLT INSTALLATION TIP:** Locate all nuts and bolts, pre thread and place in the groove of the extrusion to make installation easier. Move up or down for exact placement.

Inside View

601B 601B
WG02 WG01 WG02
601B 601B
Y5-2 Y5-1
WG02 WG02
Y4-2 602C Y4-1
602DL 602DR
L08B
603C 603C 603C 603C
Y1 Y1 Y1 Y1
L08B-X L08B-X
601A 601A
606-WS L08A 606-WS

BACK CONTINUED
ALWAYS ASSEMBLE BACK HORIZONTAL

3.1 Prethread all **S05** screws into the **WG01** and **WG02**, see **A** . Leave mid hole open it is for endcap attachment.
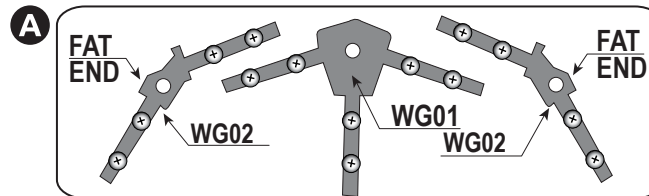
3.2 Use the **WG01** bracket to attach the (2) **601B's** together, secure parts by sliding the **WG01** into the **601B's** as shown in diagram **B** .

3.3 Install **WG02's** to connect (2) **601B's** when firmly placed between the extrusions tighten the **S05** screws, see **C** .

A
FAT END
WG02
WG01
WG02
FAT END

B
S05
WG01
601B
601B

C
601B
WG02
601B
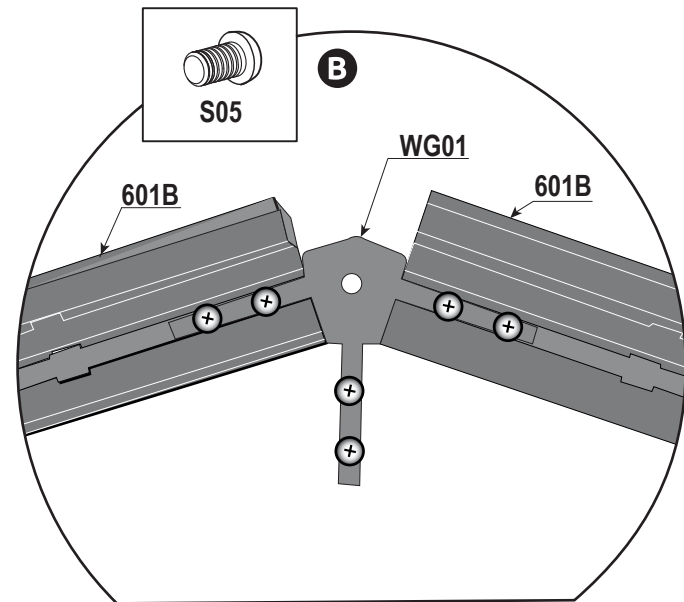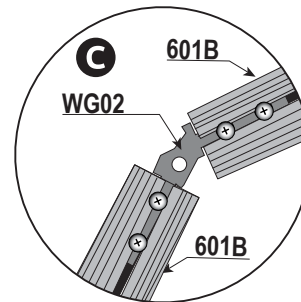
⚠ **IMPORTANT: Be careful moving or you may bend bracket.** ⚠

B
WG01
WG02
601B
601B
WG02
C
601B
C
601B

Inside View
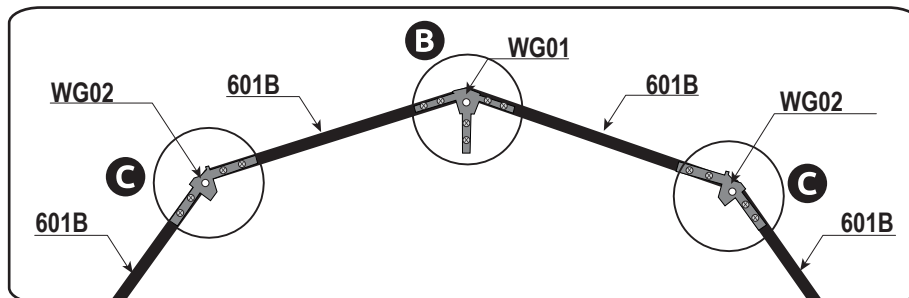
GRANDIO TIP
PRETHREAD SCREWS TIP: Locate all **WG01**, **WG02**, and **S05** screws, loosely pre thread these to make installation easier. Note that the fat end on the **WG02** will always face down.

17

BACK CONTINUED
ALWAYS ASSEMBLE BACK HORIZONTAL

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

Attach (2) **602D's** to **L08A** using **S04/ML01** fasteners as shown in diagram **B**.

Attach **602C** to **L08A** using **S04/ML01** fastener as shown in diagram **C**.

3.5 Attach the (4) **606-WS's** to the **L08A** as shown in **D**.

3.6 Insert the **Y1** polycarbonate panels into the grooves of **601A, 602D** and **602C**. Make sure **Y1** panels are inserted into **606-WS** as shown in **D**. You may need to use a screwdriver to gently open the **606-WS** to fit the polycarbonate panels into the groove of **606-WS**.
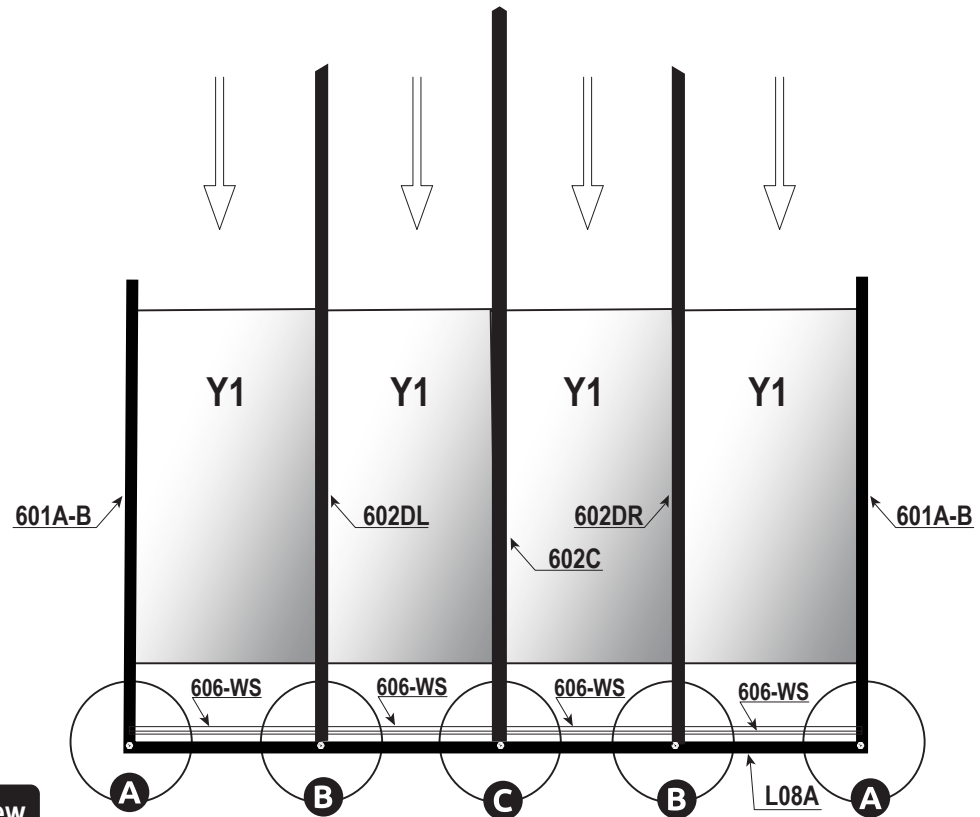
Inside View
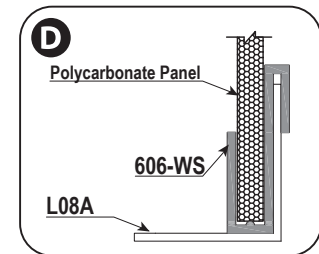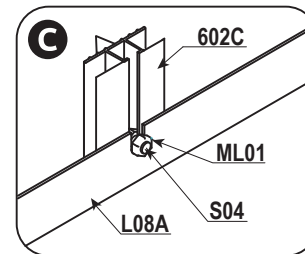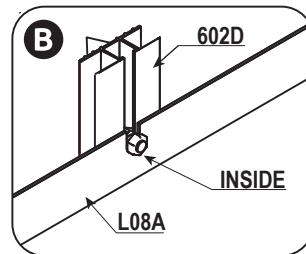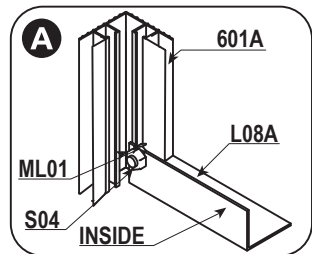
BACK CONTINUED
ALWAYS ASSEMBLE BACK HORIZONTAL

3.7 Set (4) **603C's** atop each **Y-1** panel, then align the pre threaded **S04-ML01** fasteners in each **603C** to the **L08B** and to each **601A-B, 602D** and the **602C**. When aligned tighten the middle first and work your way outward. See diagrams **A**, **B**, **C**.

3.8 Insert the **Y5-1** and **Y5-2** polycarbonate panels into place. Then insert the **Y4-1** and **Y4-2** into place as shown in the diagram.

Y4-2 Y5-2 Y5-1 Y4-1

A L08B 603C B 603C C 603C B 603C A

Y1 Y1 Y1 Y1

602DL 602DR

601A-B 602C 601A-B

Inside View

A 601A-B L08B ML01 S04

B 603C L08B 602D

B L08B 603C 602D

C 603C 603C L08B 602C

19

BACK CONTINUED
ALWAYS ASSEMBLE BACK HORIZONTAL

3.9 Pre thread the **S05** screws on **WG01** and **WG02-'s** and the **S04/ML01 W04-2's** brackets and place into appropriate extrusion see **A** , **B** and **C** .
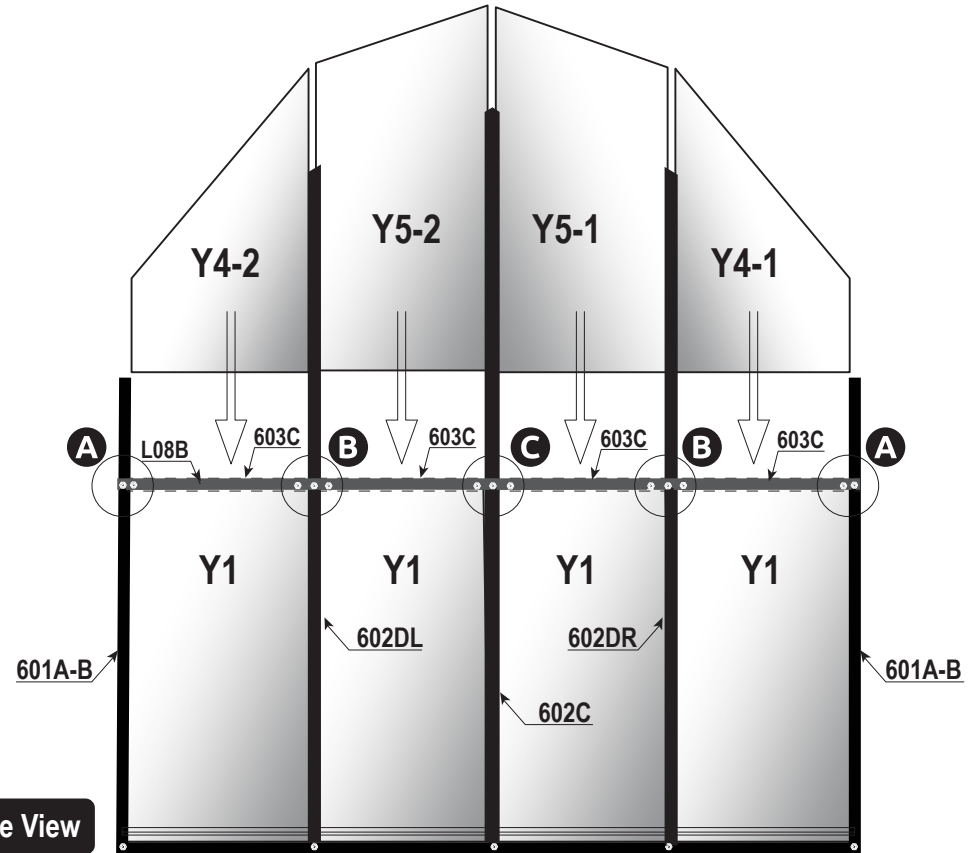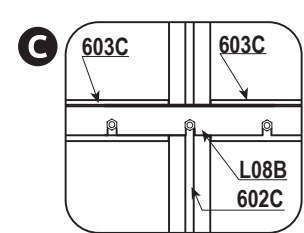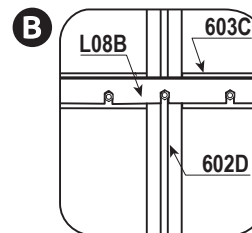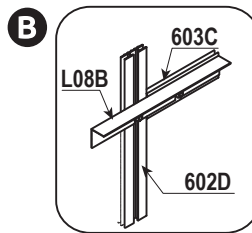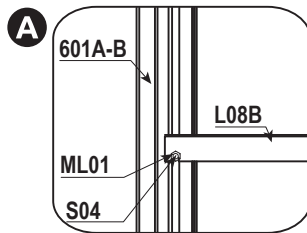
Align **WG02's** into **601A's**, the **W04-2's** into **602D's**, and the **WG01** into the **602C**. When all members are snug tighten all fasteners to lock into place.
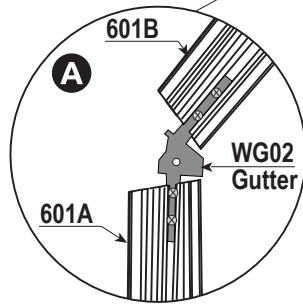
BOLT INSTALLATION TIP: Locate all nuts and bolts, pre thread and place in the groove of the extrusion to make installation easier. Move up or down for exact placement.

GRANDIO **TIP**

STEP THREE

Inside View

STEP THREE

3.10

A. Attach (2) **L08B-X's** to (2) **602D's** and
L08A with **S04/ML01** as shown in **Ⓐ**.

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

602D

L08B-X

L08A

Ⓐ

ML01
S04

Inside View

Ⓑ

601A-B

S04/ML01

L08B-X

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

602C

602DL

602DR

Ⓑ

Ⓑ

L08B-X

L08B-X

601A-B

601A-B

Ⓐ

Ⓐ

L08A
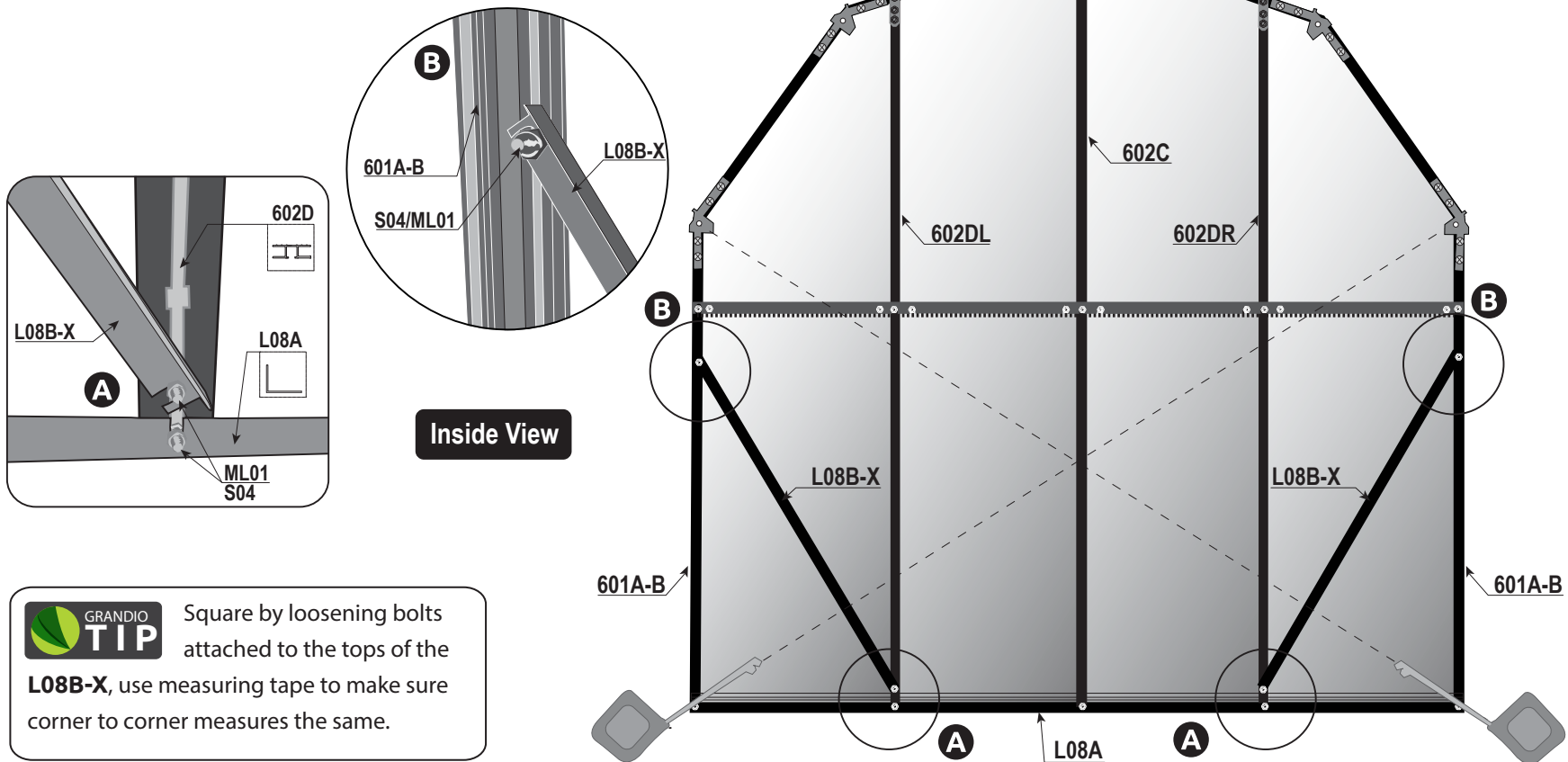
MIDDLE ASSEMBLY INSTRUCTIONS

If building a greenhouse with a front and back door you will repeat steps 4.1-4.5 for attaching both front and back walls of the greenhouse, and you will skip step 4.6-4.8.

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.

A
ML01/ NUT
W05 CLIP
S04 BOLT

B
601A
ML01 S04
BA-S1
BA-S2
Inside View
Front Right side
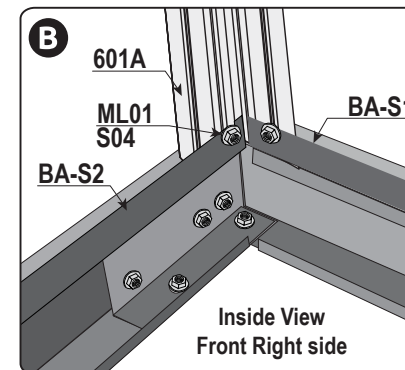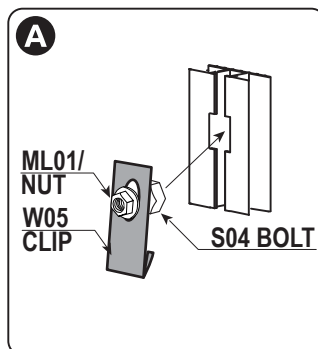
4.1 We recommend pre threading all (9) **W05** Clips with the nut and bolt combos now. See **A**, note the bolt head will always slide into the extrusion, you will not use the **W05 Clips** until step **4.5**.

4.2 With no less than 2 people place the pre assembled front section on top of the base kit front. Have person **(1)** hold the front vertically while the other attaches the front section **601A's** to the base using **S04/ML01** fasteners as shown in **B**. You may use the **ML02** nuts instead of the **ML01** if it seems too tight at the corners with the flanged nuts.

Person **(1)** must continue to hold up the front wall!
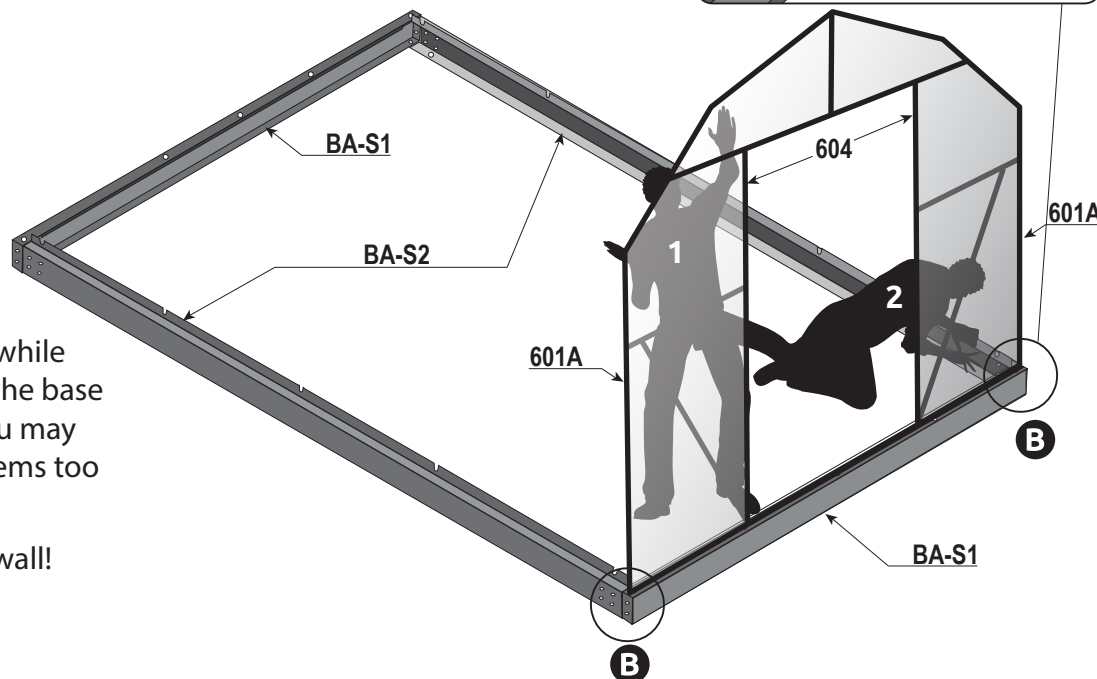
GRANDIO TIP You will need a minimum of (2) people to complete the middle assembly of your greenhouse. The more people the merrier at this stage of assembly.

BA-S1
604
BA-S2
601A
1
2
601A
B
B
601A
BA-S1
B

22

MIDDLE ASSEMBLY CONTINUED

4.3 Attach **L08C-X** to **601A** and the **BA-S2** with **S04/ML01** on both sides as shown in Ⓐ and Ⓑ with the nut and bolt combos.

4.4 Attach the front section **619** to the base using (3) **S10/ML02** fasteners as shown in Ⓒ, then attach the threshold support **619-BAR** to the inside of the **619** with (5) **S19** self tapping screws included in the package, see Ⓓ.

Ⓐ
601B
601A
L08C-X
L08D
L08A-X

Ⓑ L08C-X
Base

604
Ⓐ
Ⓑ
601A
619-BAR will attach with the (5) S19 screws
601A
Ⓓ
Ⓑ
2
Ⓒ
619 Attaches to the base kit with S10/ML02
BA-S1

23
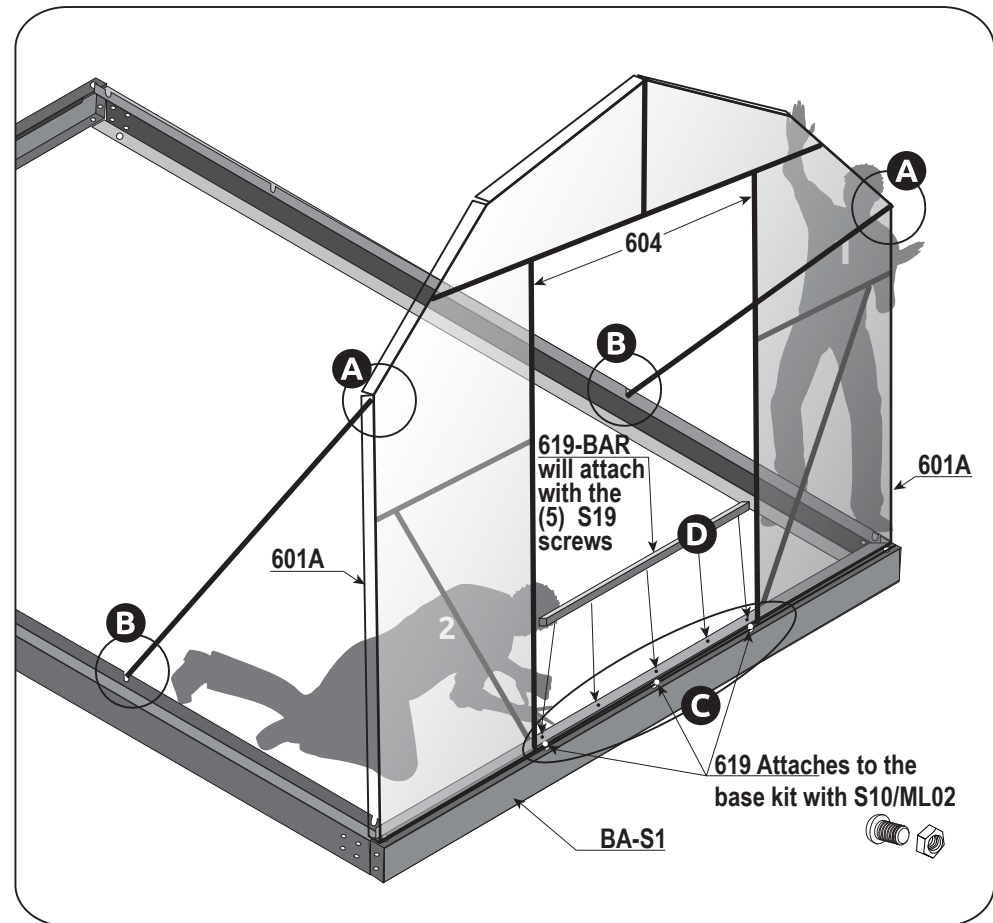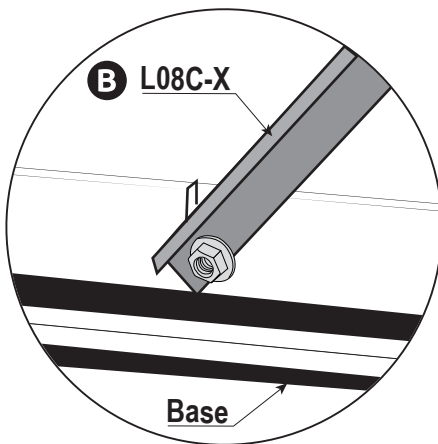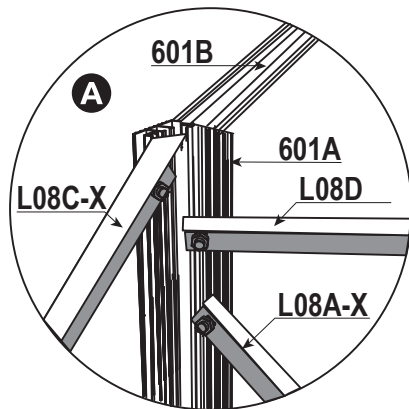
MIDDLE ASSEMBLY CONTINUED

If you are using the Back Door Transformation kit you will repeat steps 4.1-4.5 to install the Back Door Wall, then skip ahead to step 4.9.

4.5 Have person **(1)** continue to hold the front vertically while the other attaches the font section to the base with **W05/S04/ML01** fasteners as shown in Ⓐ , Ⓑ and Ⓒ . The (4) **W05** clips will catch the under edge of the front base kit and then slide upward attaching to the bottom of the **601A's** and the **604's**. To do this you will slide the bolt into the extrusion, slide it down to catch the edge of the base kit, then slide up and hold up as high as it will go and then tighten the **ML01** nut, note you will have to switch out the combo that was originally used to the **W05 Clip**.
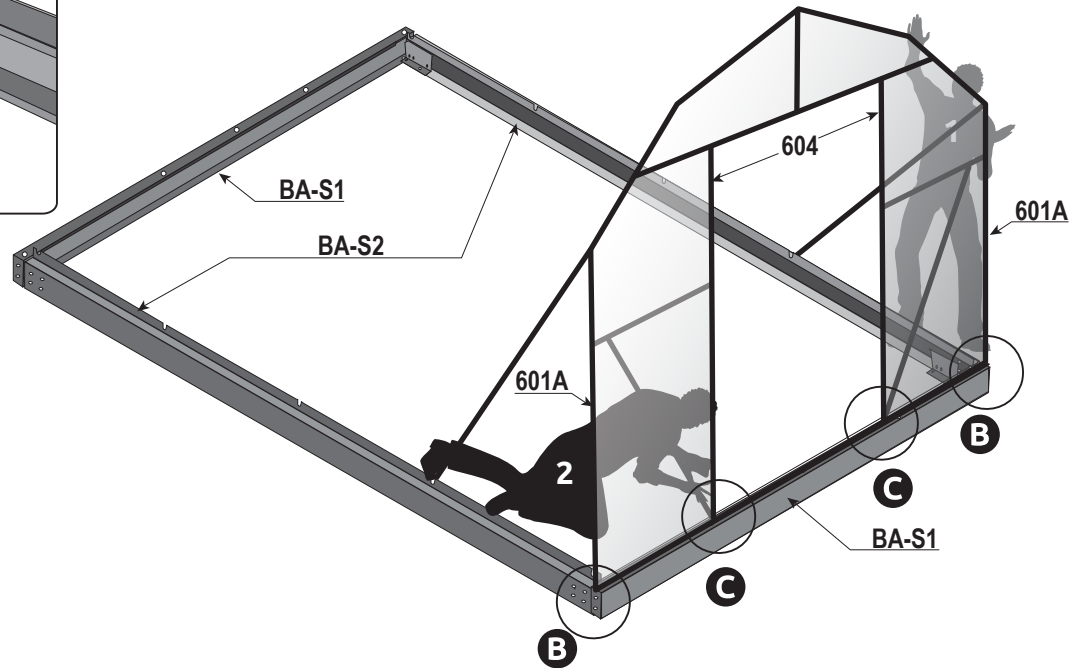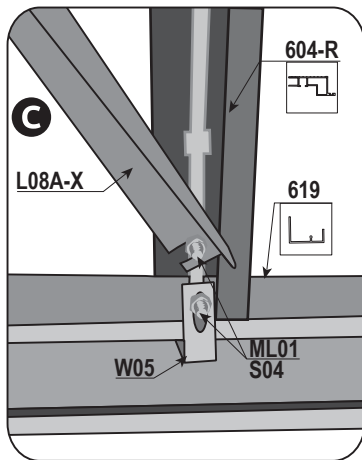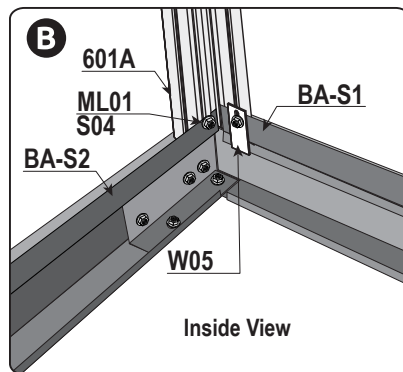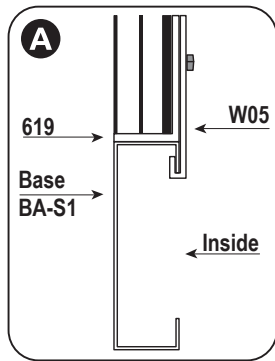
MIDDLE ASSEMBLY CONTINUED

4.6 Attach back wall **601A's** with back base corners using **S04/ML01** on both sides as shown in **A**.

4.7 Attach bottom of **L08C-X** to rear section of base kit with **S04/ML01**, as shown in **B**. Attach the **L08C-X** to the **601A** as shown in **C**, make sure the **S04/ML01** combos are tight.

4.8 Use the (5) remaining **W05** clips to attach the backwall where the **601A's** meet the corner of the base as shown in **D**, and where **602D's**, and the **602C** meet the **BA-S1B** see **D**. Then use **W05 Clip** combos to attach the corner **601A's** to the base kit as shown in **E**, you will have to switch out the combo that was originally used to the **W05 Clip**.
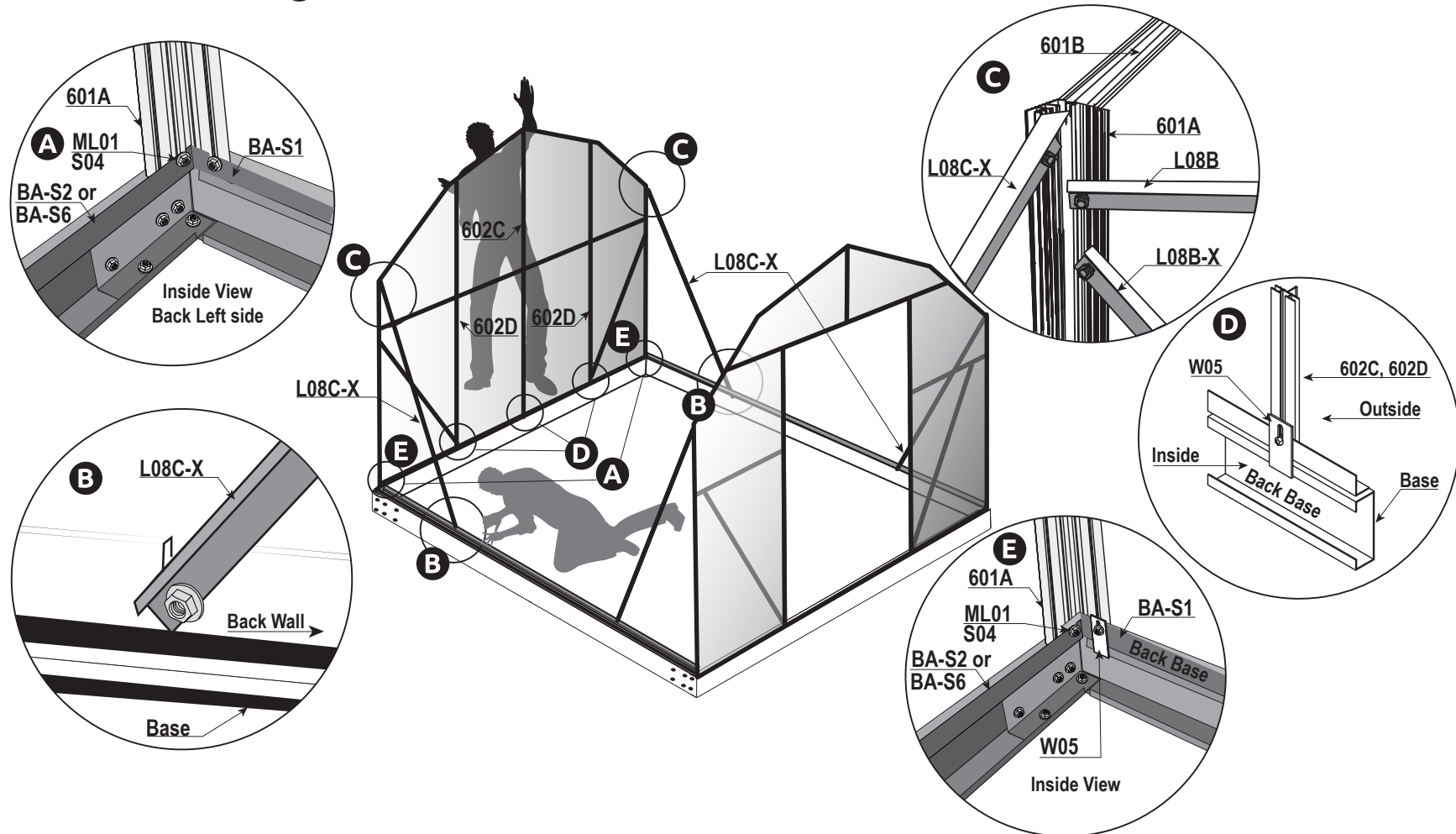
MIDDLE ASSEMBLY CONTINUED

4.9 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** as shown in **(C)** .

(A) Side Angle View
607

(B) 601B   607
Outside View

(C) Inside View
607
S04/ML01
601B   601B

601B
607
601B

26
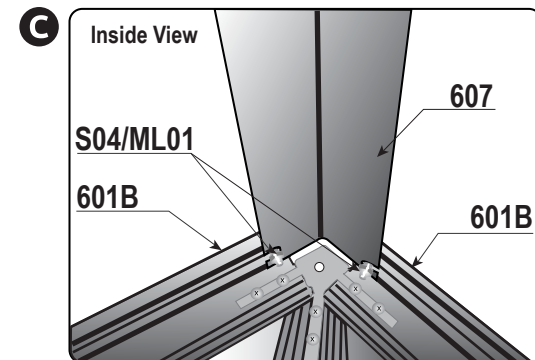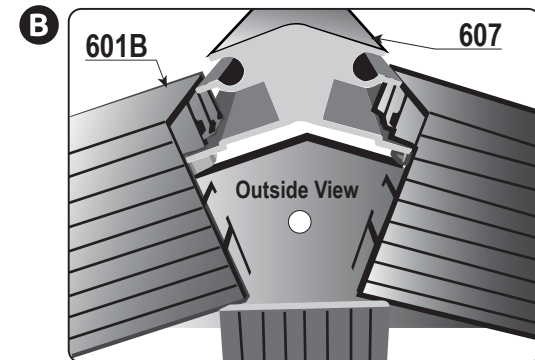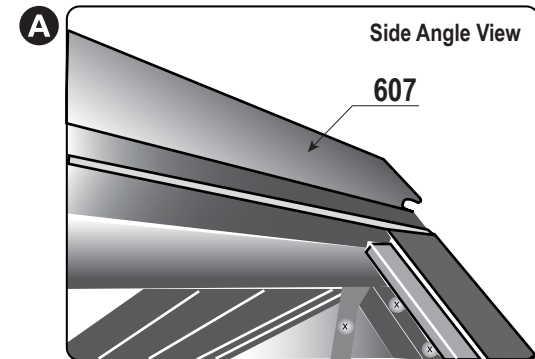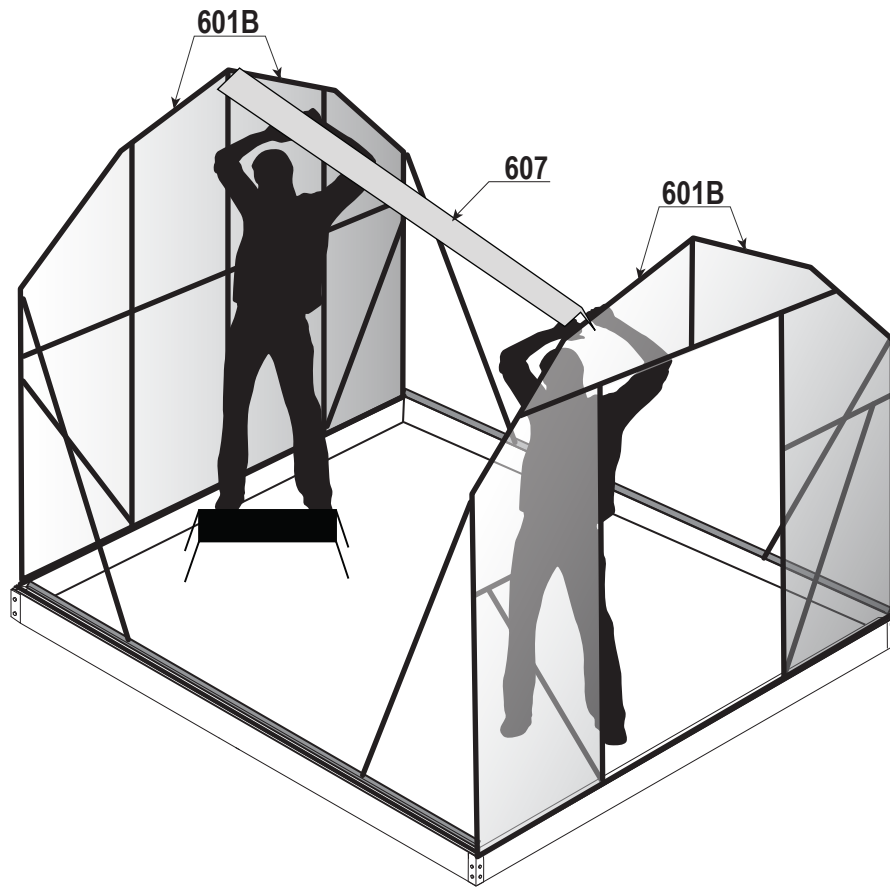
4.10 Before you attach the **609** you will need to loosen the **ML01** (nut) attached to the tops of the **L08C-X**.
Note: Loosen nuts on only one side at a time, i.e. right front corner, right rear corner. See Ⓐ.

With 2 people proceed to install 609's in this order, note that 609 must be installed with groove side down see Ⓒ. Compare with **610** to make sure it will slide into **609** upon completion.

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 Ⓑ .

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 Ⓑ.

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.**.
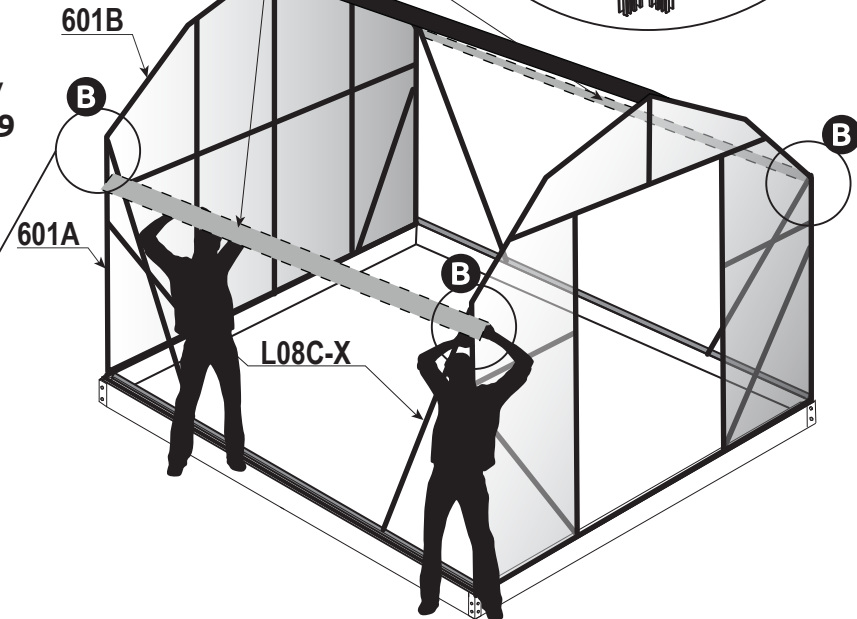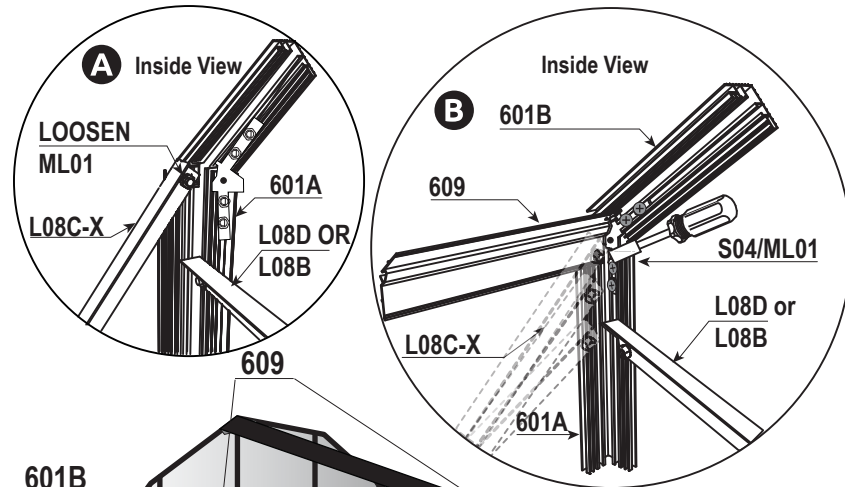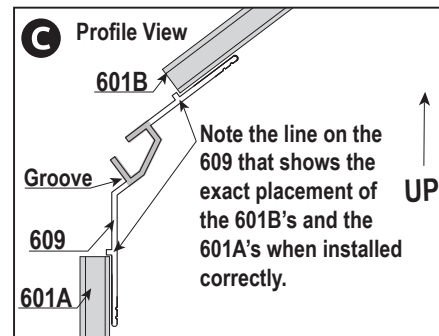
Ⓐ **Inside View**
LOOSEN ML01
L08C-X
601A
L08D OR L08B

Ⓑ **Inside View**
601B
609
S04/ML01
L08D or L08B
L08C-X
601A

609
601B
Ⓑ
601A
Ⓑ
Ⓑ
L08C-X

Ⓒ **Profile View**
601B
Groove
609
601A
Note the line on the 609 that shows the exact placement of the 601B's and the 601A's when installed correctly.
UP

GRANDIO TIP 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

4.11 Note orientation of the 609, see Ⓐ.

1. Attach the mid roof **609's** with **S04/ML01** nut and bolt on both sides see Ⓑ.
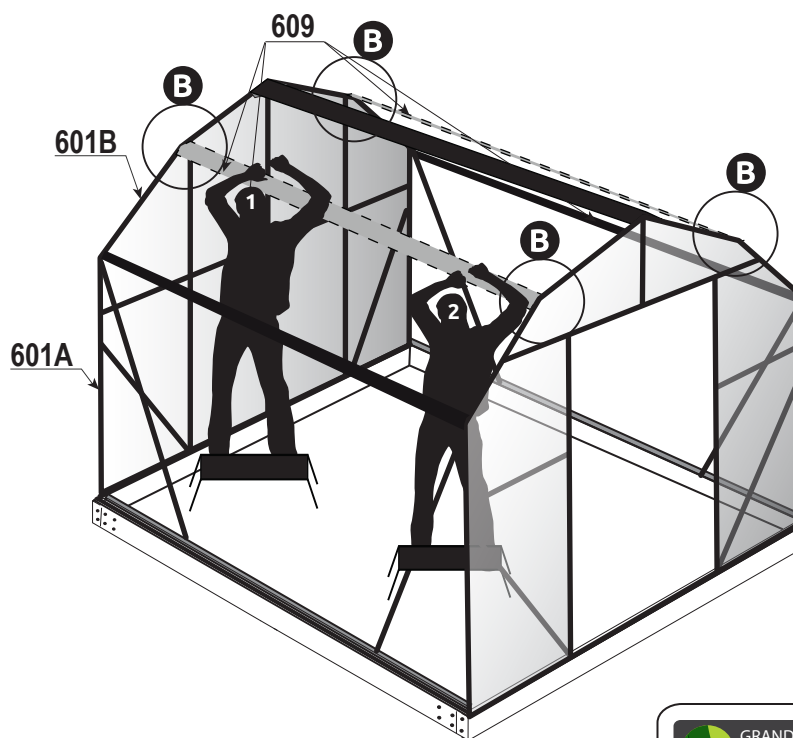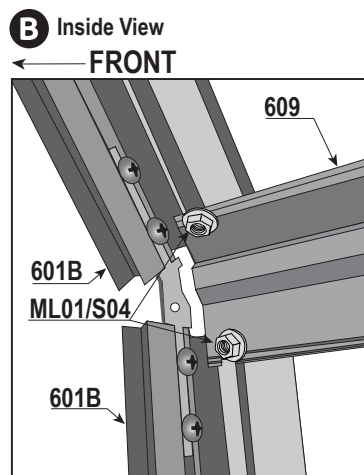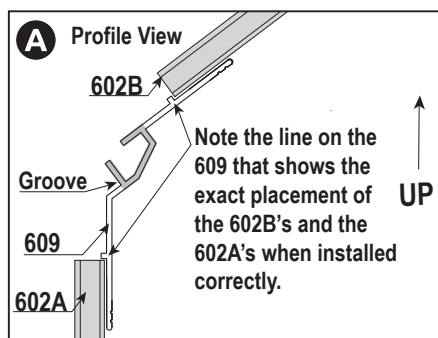
Ⓐ Profile View

602B

Groove

609

602A

Note the line on the 609 that shows the exact placement of the 602B's and the 602A's when installed correctly.

UP

Ⓑ Inside View

FRONT

609

601B

ML01/S04

601B

609

B

B

601B

B

B

601A

1

2

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

28

MIDDLE ASSEMBLY CONTINUED

4.12 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 the base. See diagram **C**.

1. Once the bottom of one **L08C-X** is loosened set the **602A** onto the bolt of the the **L08C-X**. Be sure that the **602A** is sitting flush on top of the base kit. See **C** for reference.

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

3. Repeat steps **1.** and **2.** on all four corners where the **L08C-X 's** meet the base kit.

4. Now attach the bottom of **602A** to the **Base** using a **S04/ML01** (nut and bolt) as shown in **B**, and to the **609** with an **S04/ML01** combo as is shown in **A** .

A Inside View

B Inside View

C Inside View
Loosen only one L08C-X at a time.
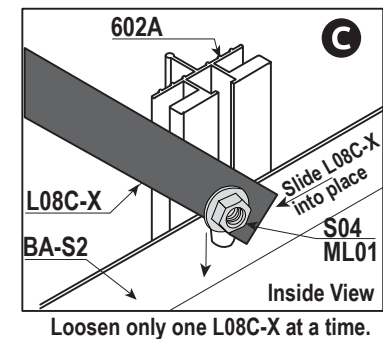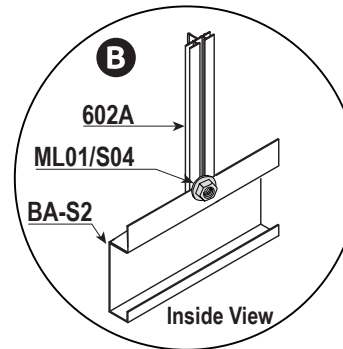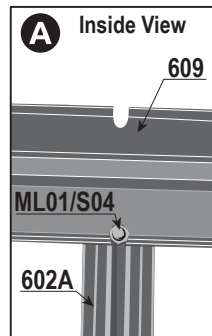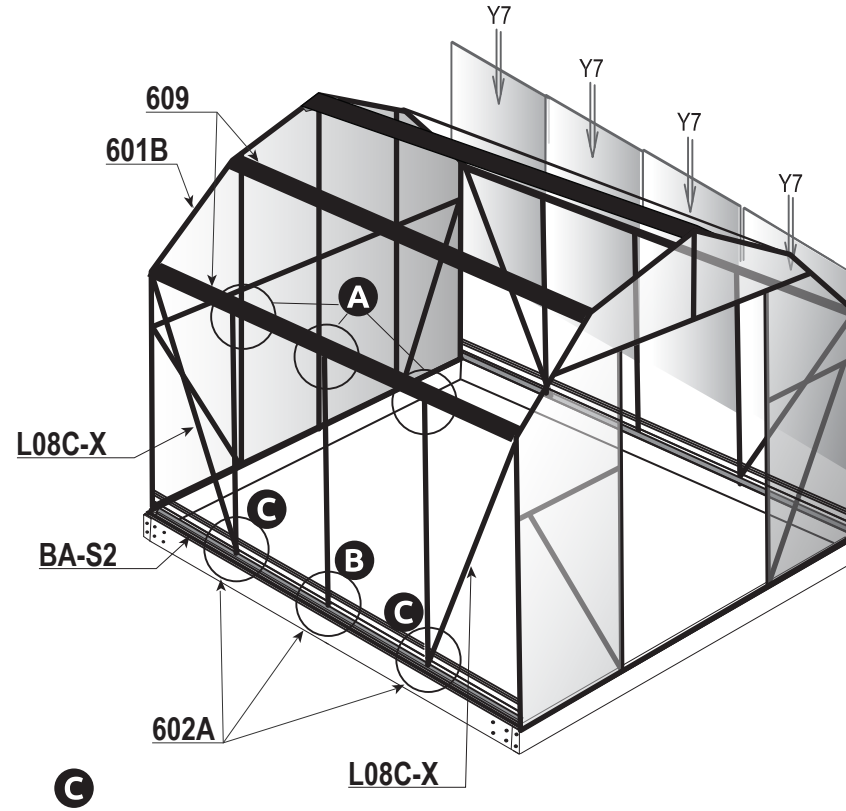
MIDDLE ASSEMBLY CONTINUED

4.13 Install plastic strip **606-WS** before inserting polycarbonate sheet **Y7's**, see **A**.

4.14 After **Y7's** are installed on both sides, 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 plumb. The top edges of **Y7's** will align when greenhouse is level or plumb.

Y7
Y7
Y7
Y7
Y7
Y7
Y7
Y7

601A

L08C

A 606-WS

GRANDIO TIP

Transparent Clear Film
Outside Greenhouse
Sun

Polycarbonate Panel

Opal White Film
Inside Greenhouse

A

Polycarbonate Panel

Outside

606

BA-S2

30
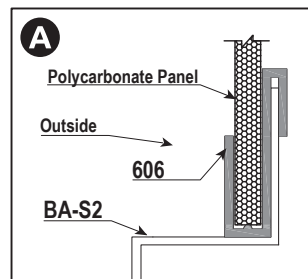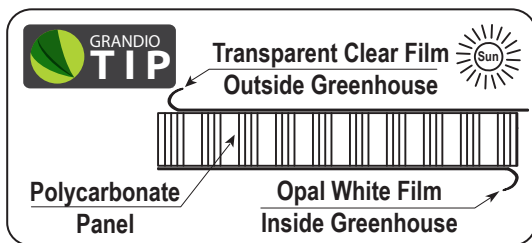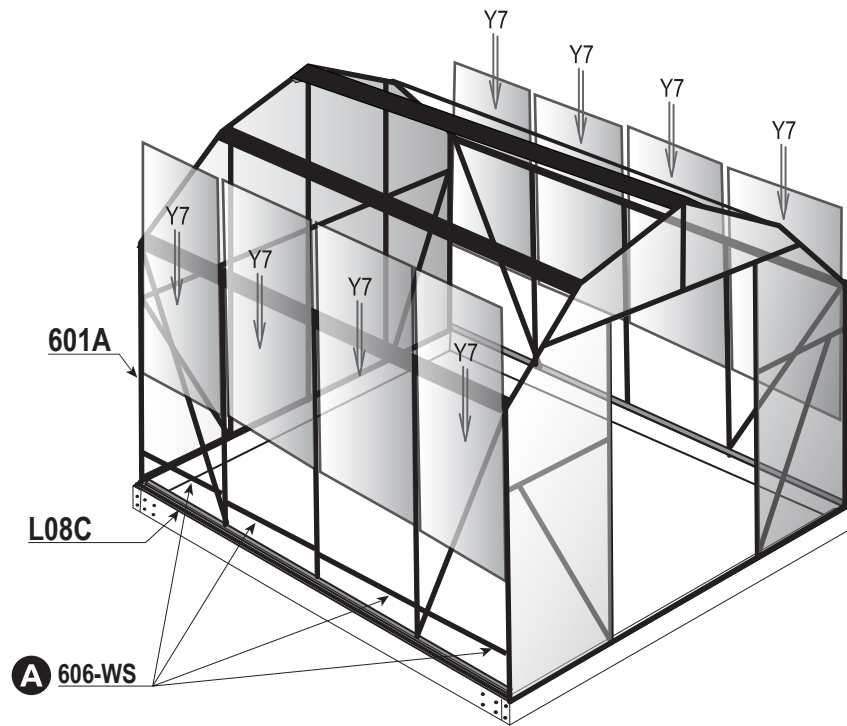
MIDDLE ASSEMBLY CONTINUED

4.15 Attach **602B's** to **609's** and **607's** as shown in diagram **A** on both sides of the upper roof section. Note the exact placement on the outside see **A**.

Attach (1) **602B** between the (2) **609's,** in the middle only on both sides of roof. **Do not** attach remaining **602B's** to lower roof section until roof vents are attached, see **B**.

607
609
A
601A
L08C
B

A Outside View

607
602B
EXACT PLACEMENT
609

A Inside View

602B
609
ML01/S04
602B

B Inside View
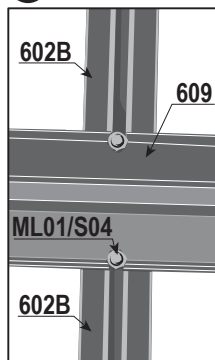
602B
609
ML01/S04
602A

MIDDLE ASSEMBLY CONTINUED

4.16 Insert **Y11** panels to upper roof section then slide the **630** into the groove of the upper **609** as shown to hold **Y11's** in place. See Ⓐ and Ⓑ . Note that you may need to loosen the bottoms of some of the **602B's** to slide the **630** into place as the fit is very tight. Check that all nut and bolt combos are tightened again after installation of **630**.

4.17 It is recommended to apply silicone caulk to the exterior seams on the bottom and sides of each panel, where panels meet the frame for water resistance, or see the Moisture Control Kit on our website to maintain panel clarity. The interior and top of each panel is protected so it is recommended that you leave them un-caulked allowing the panels to breathe.
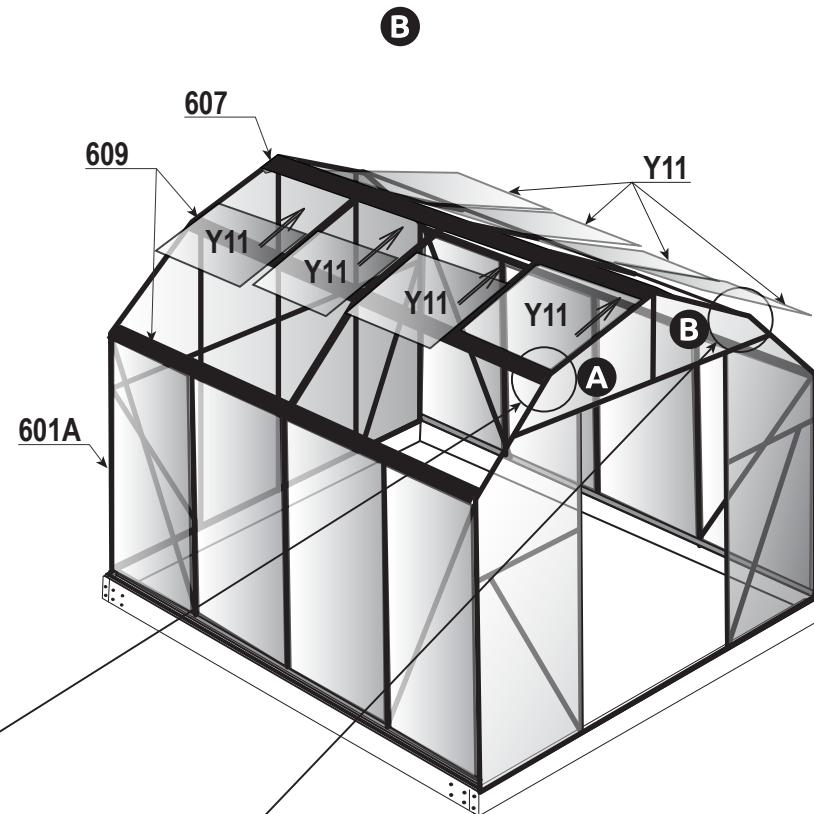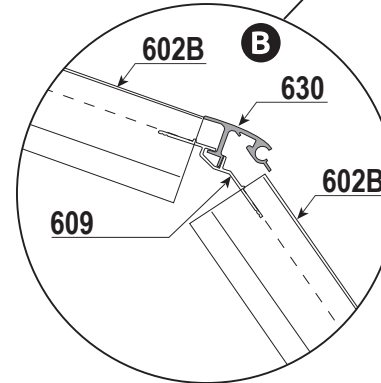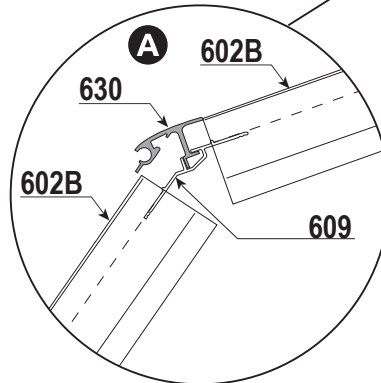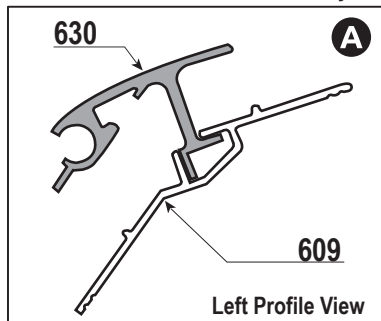
Ⓑ

607

609

Y11

Y11

Y11

Y11

Y11

Ⓑ

Ⓐ

601A

The two profiles should be flush at ends when installed correctly.

630

Ⓐ

602B

609

Left Profile View

Ⓐ

630

602B

602B

609

609

602B

Ⓑ

630

609

602B

The two profiles should be flush at ends when installed correctly.

Ⓑ

630

609

Right Profile View
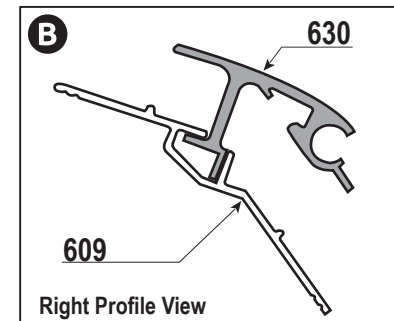
MIDDLE ASSEMBLY CONTINUED

4.18 Assemble the roof window vents as shown below in ❶ and ❷, using the **Z02** screws attach the **615**, **616**, and **618's** with the **Y10** panel as shown, be careful not to strip the screw heads. Pay attention to the **Y10** panel, stickers will face the sun.

4.19 Insert assembled window into the end of ridge of **630** and slide into position. See Ⓐ. Window positions are your discretion however, must be in the middle for support, do not place nearest the front or back as you will need a **602B** support to keep in window vent in place. Place directly across from each other for best cross draft ventilation, see Ⓑ for optional placement.

B

Y10

Roof Vent Placement

Y10

Y10

A

616   Z02   618

❶   Z02

SUN

616   615
PC sheet

Note Correct Orientation

❷

Z02

618

Screwdriver   Z02

Z02

615

Outside View

Y10

Z02

618

616

Z02

A   **630**

Roof Vent

SUN
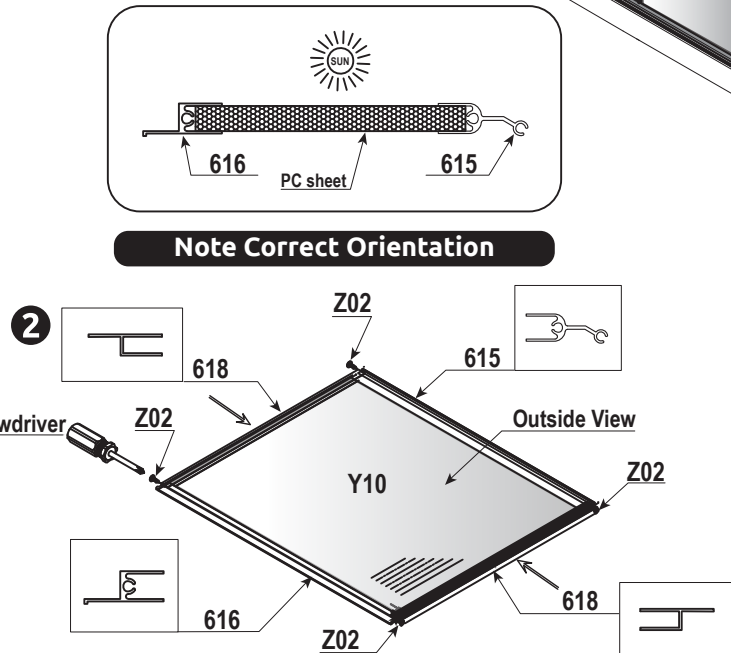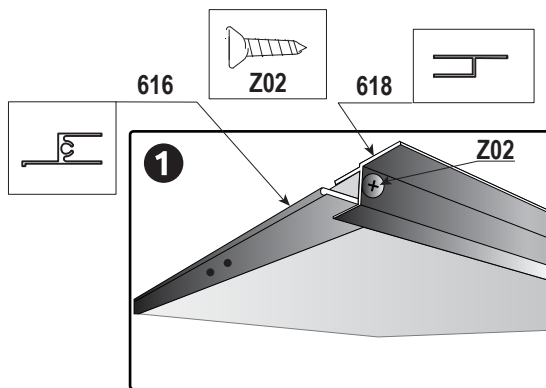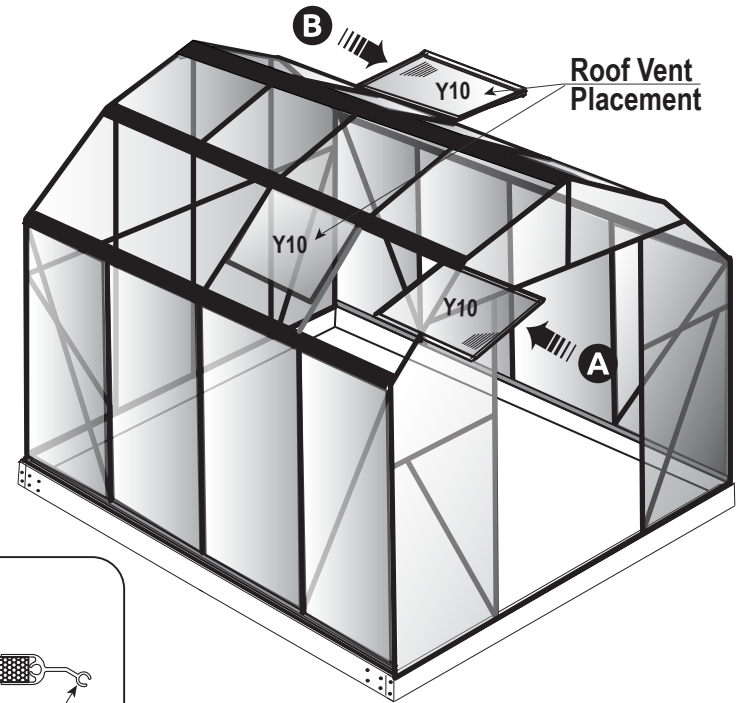
602B

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

33
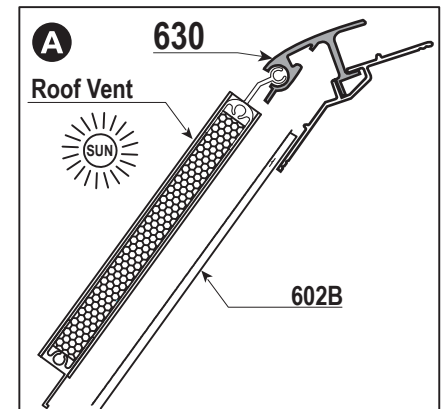
MIDDLE ASSEMBLY CONTINUED

4.20 After roof vents are positioned, attach all remaining **602B's** between the (2) **609's** as shown in the image **Ⓐ** and **Ⓑ**.

Ⓐ Outside View

607

602B

EXACT PLACEMENT

609

602A

Ⓑ Profile View

602B

Groove

609

602A

Note the line on the 609 that shows the exact placement of the 602B's and the 602A's when installed correctly.

UP

34
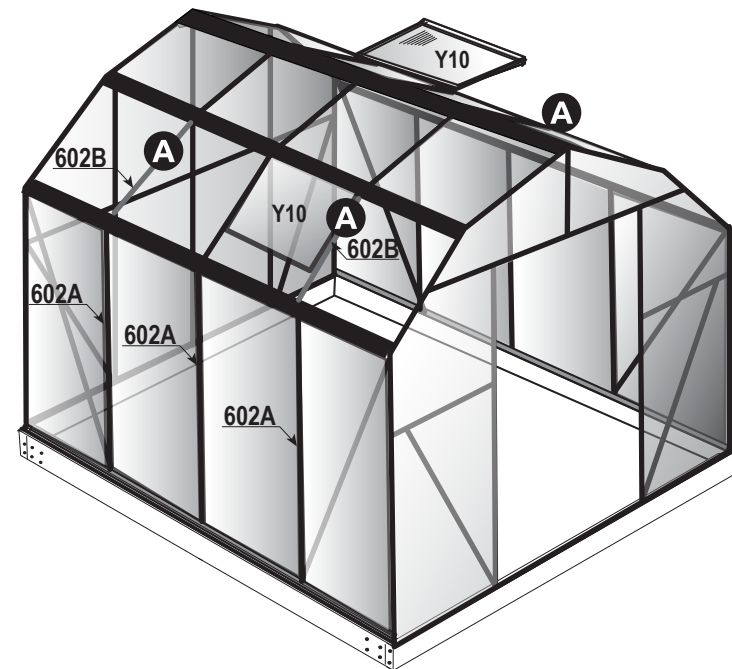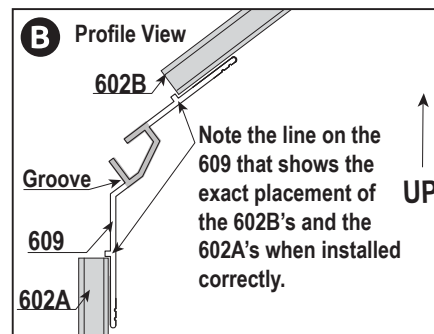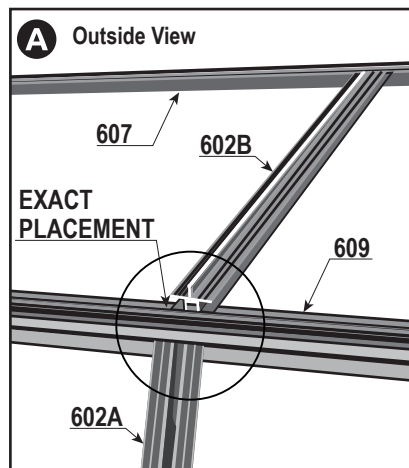
4.21 To ensure there is no gap in roof vent position **603C** as shown in Ⓓ. Connect **603C** to middle of **602B's** using **W04** bracket as shown in Ⓐ.

4.22 Attach **HQC01** to **616** with the **Z04** screws see Ⓑ, close roof vent and attach the handle onto **HQC02** middle pin (the first two holes of the handle to the second and third pins of **HQC02**). Then attach **HQC02** into **603C's** track with **S04/ML01** (nuts and bolts), see Ⓒ.

Note: If you are installing automatic roof vent openers follow those directions for correct installation. SAVE MANUAL OPENERS FOR WINTER SWITCHOUT.

Ⓐ Inside view of 603C
603C
602B
W04

616
618
Ⓓ
603C
616
603C

STEP FOUR

HQC02
Y10
Ⓒ
HQC01

603C
Y10

Y10
HQC01
Ⓑ

Ⓑ HQC01
Z04
616

Ⓒ
HQC01 Handle
1   2   3
HQC02
603C   ML01/S04
Inside View
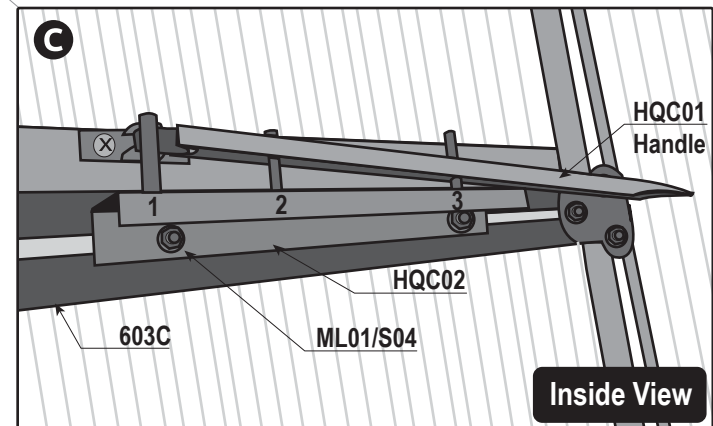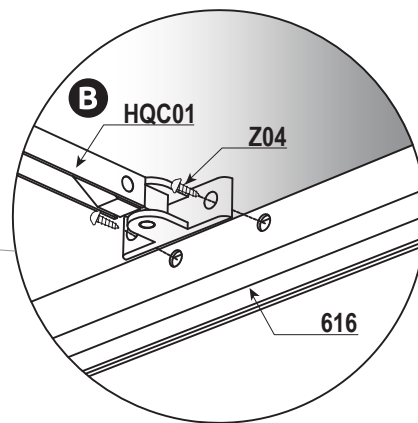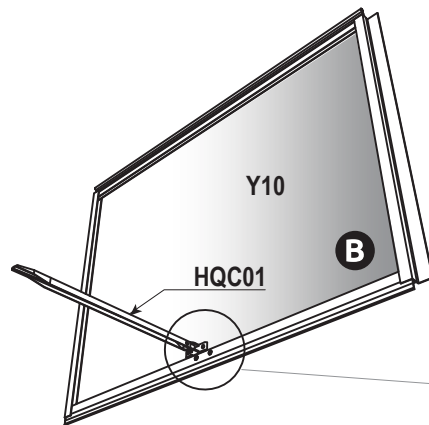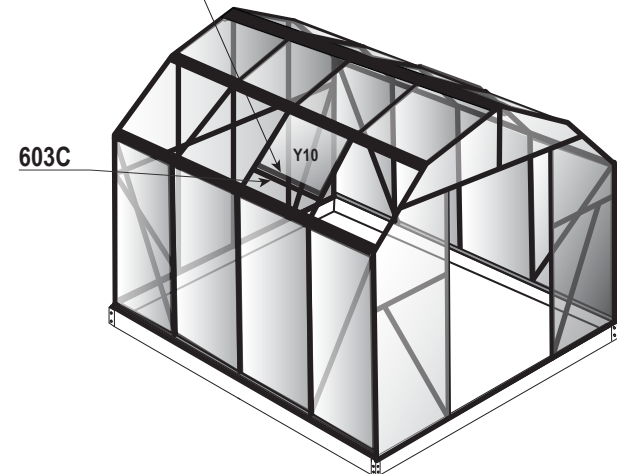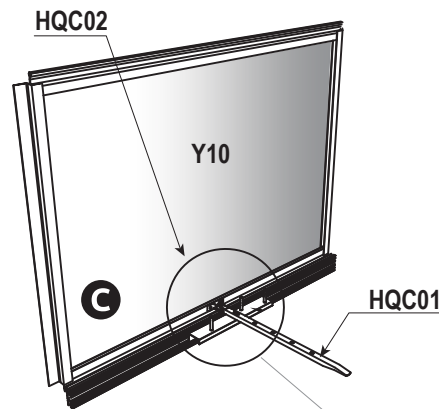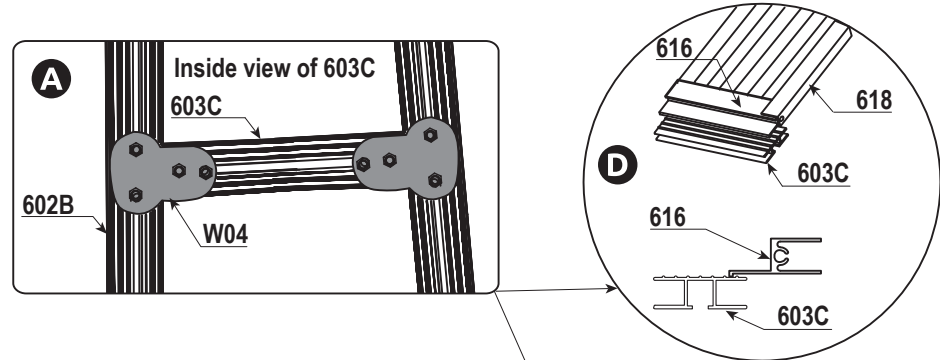
MIDDLE ASSEMBLY INSTRUCTIONS CONTINUED

4.23 Insert polycarbonate sheets **Y8's** and **Y9's** into the lower roof 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.

4.24 Slide **610** into **609's** groove as shown in diagram **Ⓐ**. Repeat on both sides. Remove tape after gutter is fully installed.

Ⓐ Outside View

610

Gutter

609

The two profiles should be flush at ends when installed correctly.
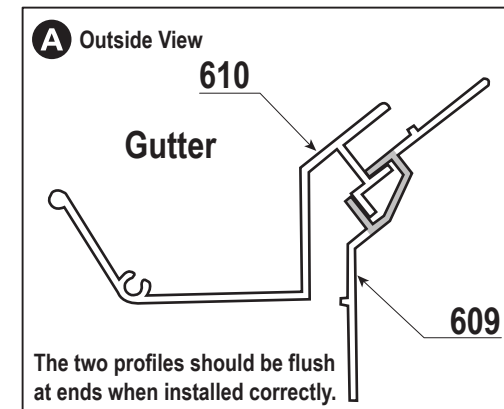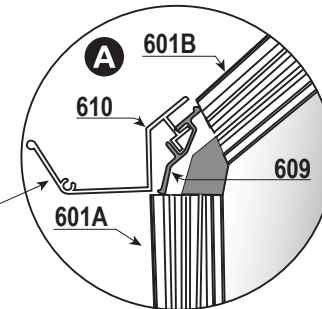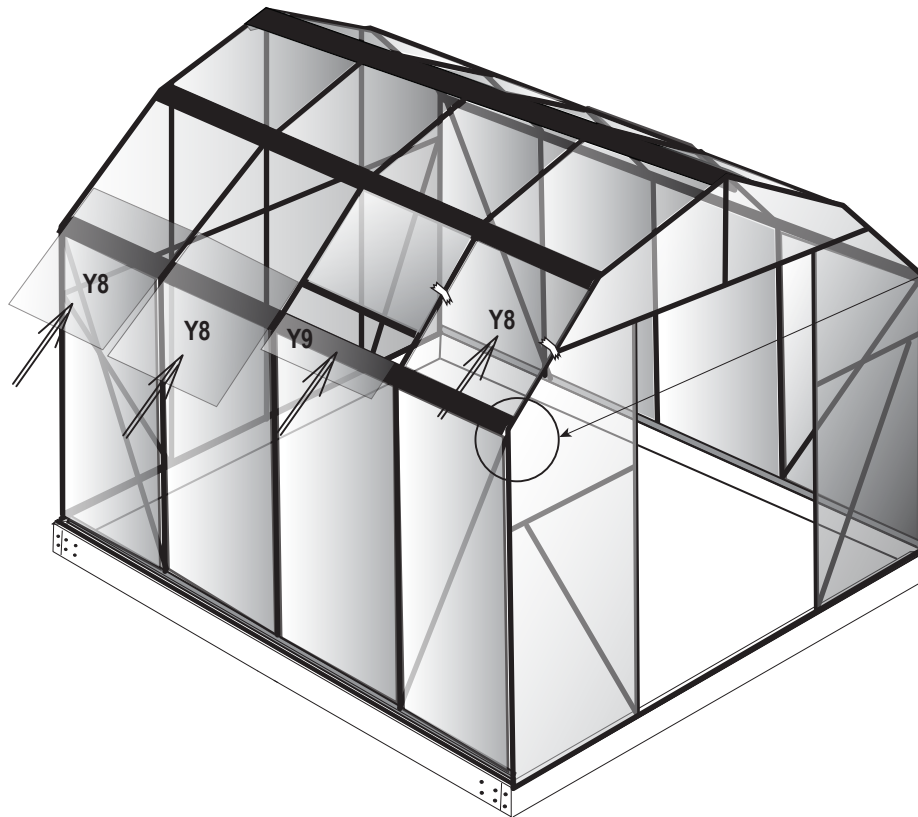
MIDDLE ASSEMBLY INSTRUCTIONS CONTINUED

4.25 Attach **JG01, JG02A, JG02B, JG03A** and **JG03B** end caps to the ridge, midroof and gutters on both front and back as shown below. Use **Z03** screws to attach the **JG03A** and **JG03B** endcaps along with the silicone adhesive. Use **Z06** screws to fasten end caps through the **WG01** and **WG02** as shown in images. Note you may want to seal into place with silicone caulk on the inner side and around the edges.
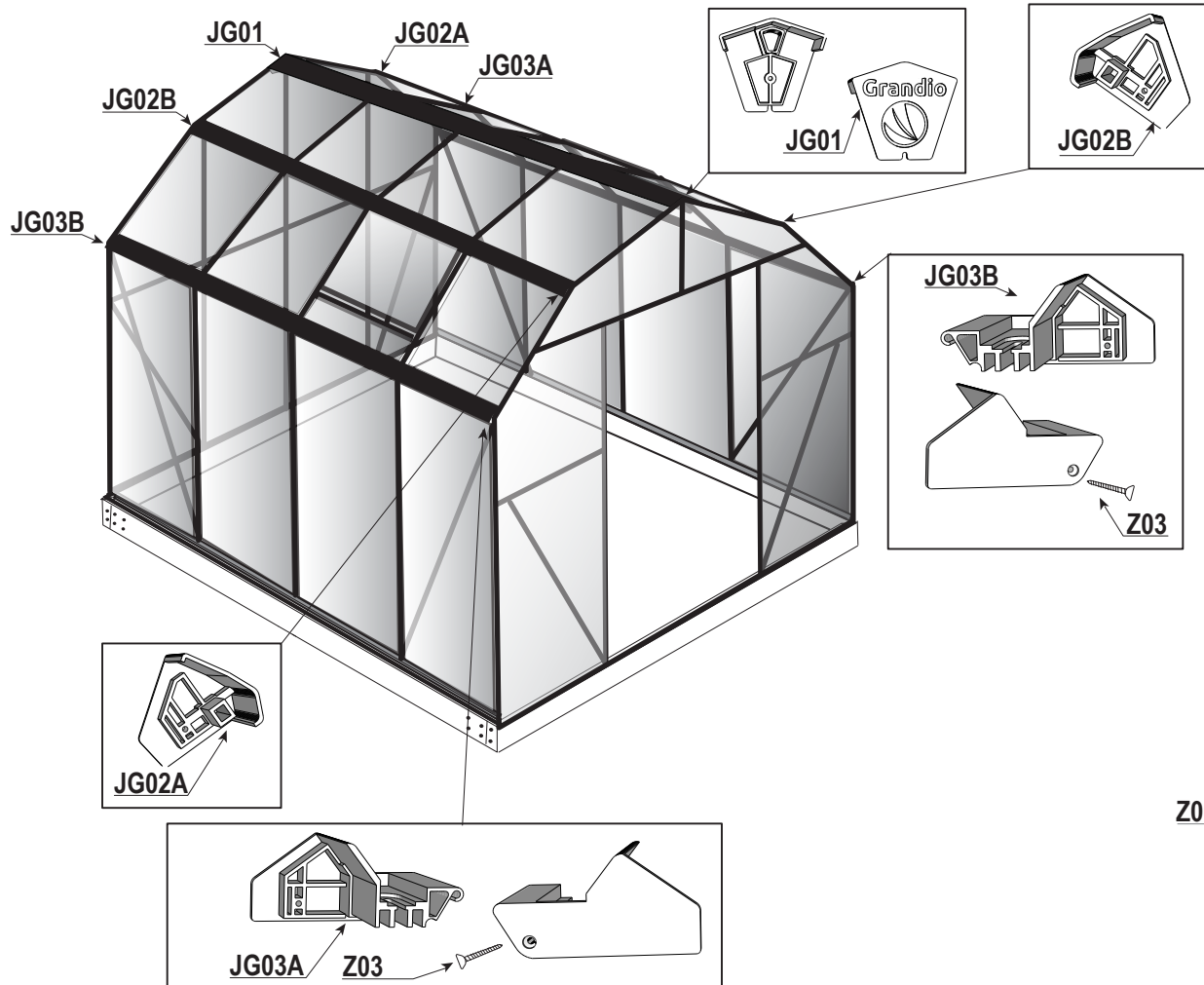
Exterior view of mid roof cap JG01.

JG01

JG02A

JG02B

JG03A

JG03B

JG01

JG02B

JG03B

Z03

JG02A

JG03A   Z03

Interior greenhouse view of mid roof cap, where Z06 screw goes through WG01 mid hole into the end cap.

Z06

DOOR ASSEMBLY DIAGRAM

This image shows the inside view of Right Door Assembly.
All parts for door assembly will be found in box GRA-ELI-8A and GRA-ELI-8P.
Use the #2 head Phillips Screw Driver for installation.
If you are using the Back Door Transformation kit you will repeat steps 5.1-5.11 to install the Back Door,
these parts will be found in box GRA-ELI-BD.

Side View

622

622

UP

UP

C Z01

C Z01

C Z01

A

623A

623A

D Y6

620

620

D Y6

623B

623B

622-R

Z01 **E**

Side View

622-R

UP

Catch

Z01 **E**

UP

Z01 **E**

A

B J08A

B

Bottom View

622

J08A

B

Bottom View

622

J08A

J08A

Inside View
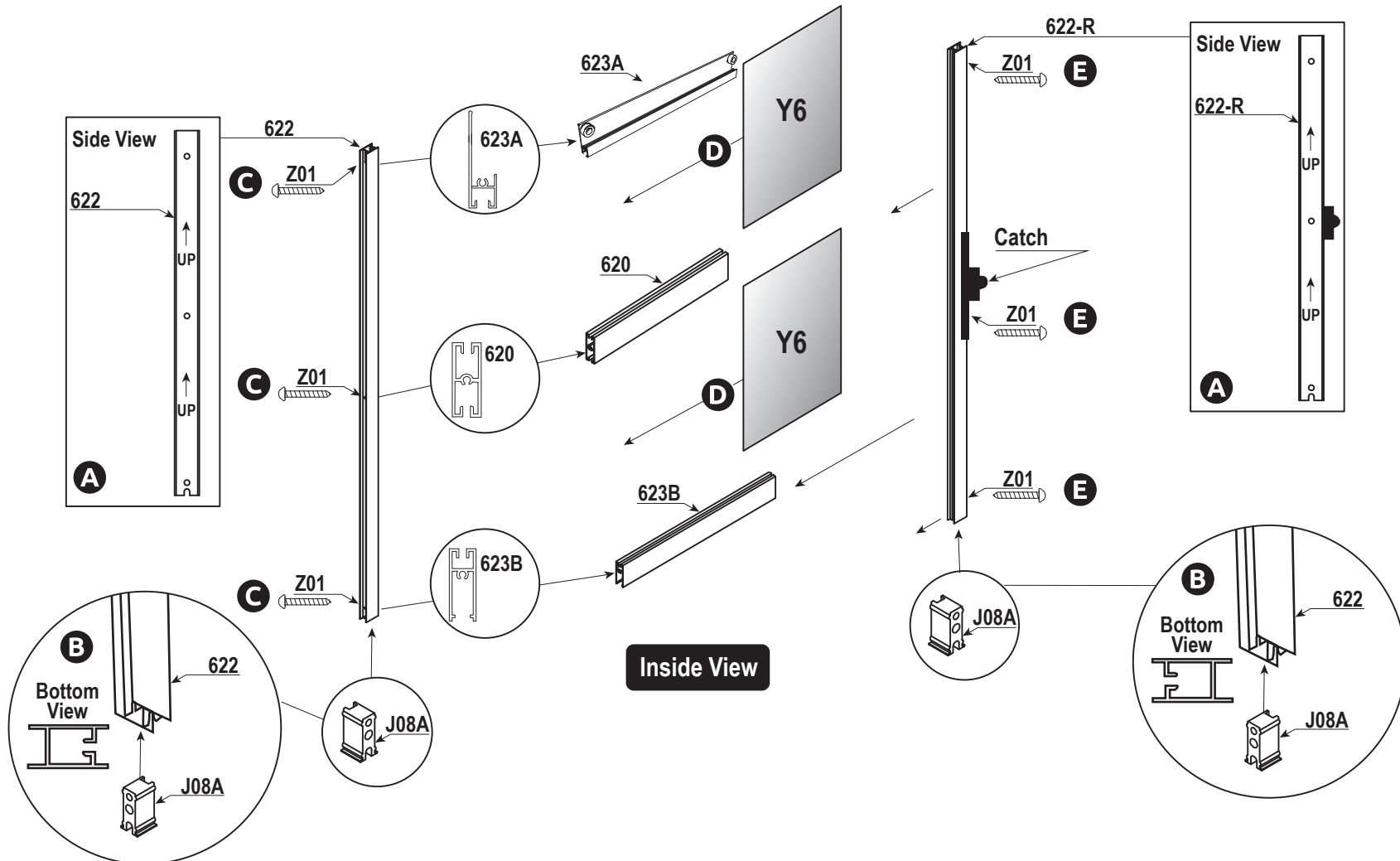
DOOR ASSEMBLY

We recommend you lay out all parts for both doors to make sure they match up correctly for hanging. Double check the orientation of what is inside verses outside and how the doors will hang on page 42-43. Make sure window panels face the right direction to the sun and note that the panels have predrilled holes for the handles to attach later and these need to be aligned with the lock mechanisms, if the holes are not present you will need to drill these out prior to installing the door handles. Be careful not to strip the phillips heads when assembling.

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**.

Side View

622

UP

UP

A

Bottom View

622

J08A

J08A

623A

623A

B Z01

622

You may need to gently open the channel with a flat head screwdriver if screws are not going into place with ease.

620

620

B Z01

623B

B Z01

623B

Inside View

623A

FLUSH ALIGN WITH TOP

623A

Y6

C

622

620

Y6

C

623B

GRANDIO **TIP**

Transparent Clear Film
Outside Greenhouse

Polycarbonate Panel

Opal White Film
Inside Greenhouse

DOOR ASSEMBLY

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

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

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 **Ⓒ**.

Side View Of Top

622-L

UP

* Double Ball Catch on the 622-L

UP

Side View Of Bottom

* Note the orientation of the **622-L** and **622-R**. Also make sure the right side is facing out on the **Y6** polycarbonate panels.

Ⓐ

Bottom View

622

J08A

J08A

Side View Of Top

622-R

UP

* Catch on the 622-R

UP

Side View Of Bottom

623A

Y6

620

Y6

622

623B

Z01 Ⓑ

622-R

Catch Ⓒ

Z01 Ⓑ

622

Z01 Ⓑ

Inside View

40
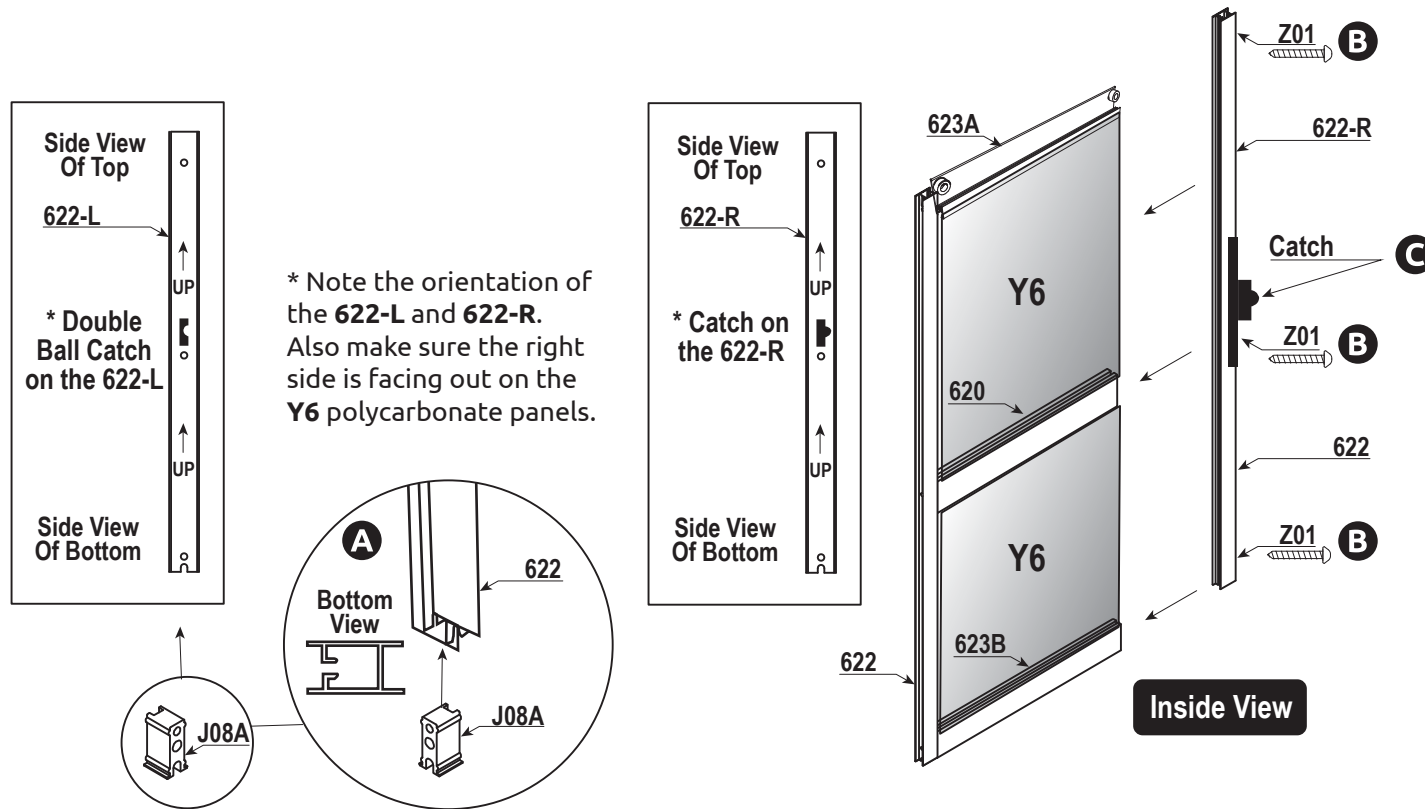
DOOR ASSEMBLY

5.7 Slide the (2) **S02** bolts down the track of the **L21**, see Ⓐ. Align with the holes on the **603D** door header. With one person inside the greenhouse line up hanging door track **L21** with door header **603D**, move bolts on **L21** to line up with bolt holes on door header **603D**. From the inside hand tighten the **ML01** nut while the person outside is holding the **L21** in position, you will now center on the front of the greenhouse and tighten the **S02/ML01** combo.

S02

603D

L21

S02
SCREW

Ⓐ

Track

Inside View

**Side Profile View of
L21 Hanging Track**
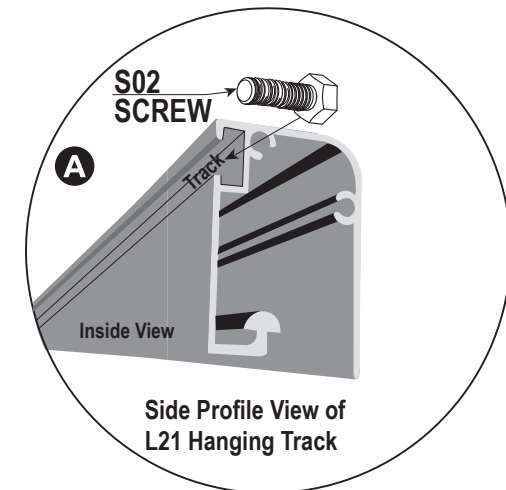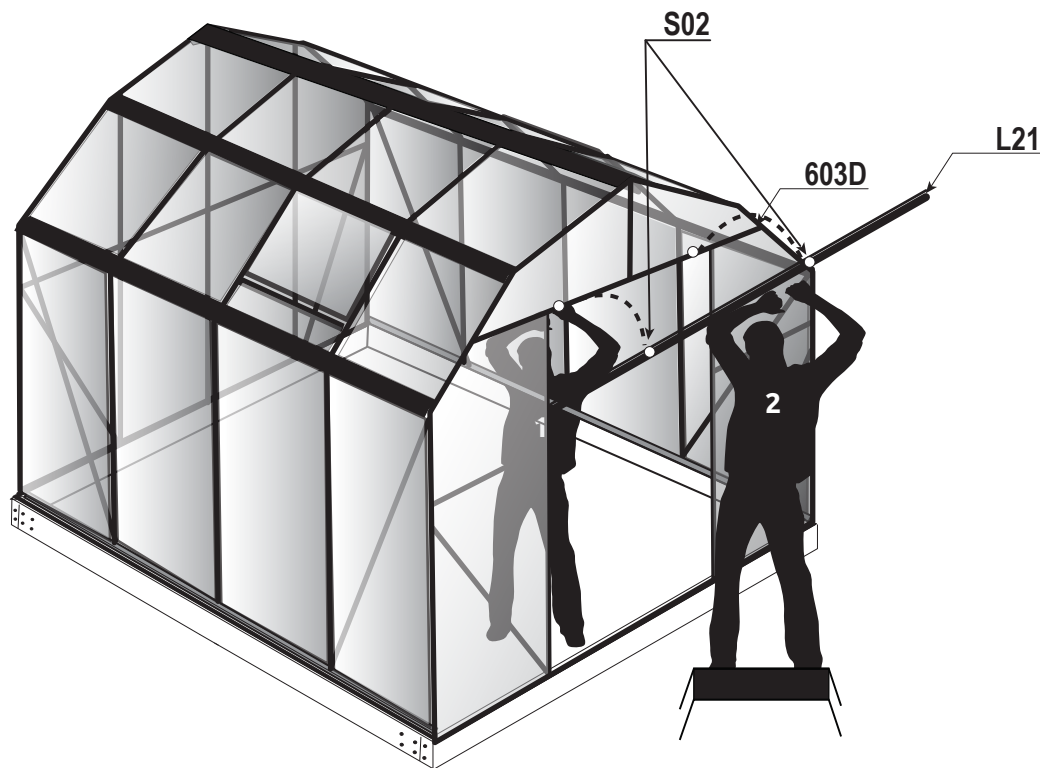
DOOR INSTALLATION

5.8 Separately slide the top of the doors in the left and right side of **L21**, see diagram **Ⓐ**, 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 **Ⓑ**, and **Ⓒ**.

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

Outside View

Inside View

Ⓐ Side Profile View of Hanging Track

Ⓑ 622-HNDL, 622-HNDL NUT/BOLT

Ⓒ 622-HNDL, 622-HNDL NUT/BOLT
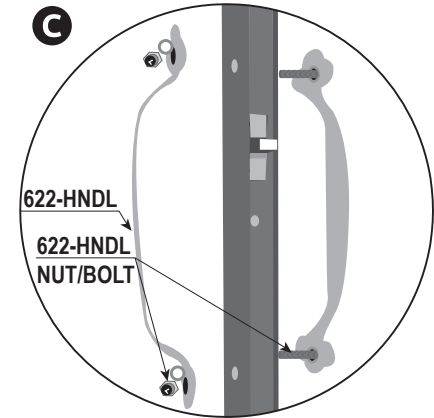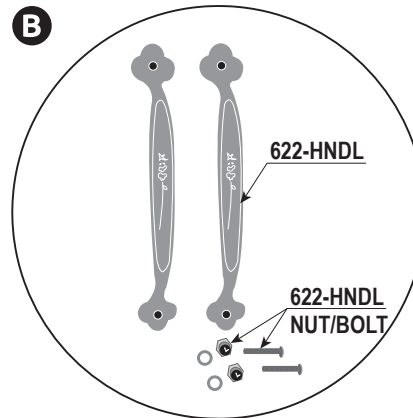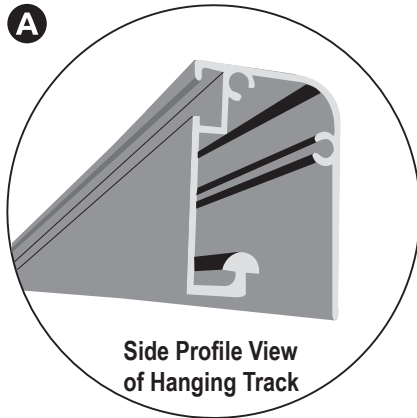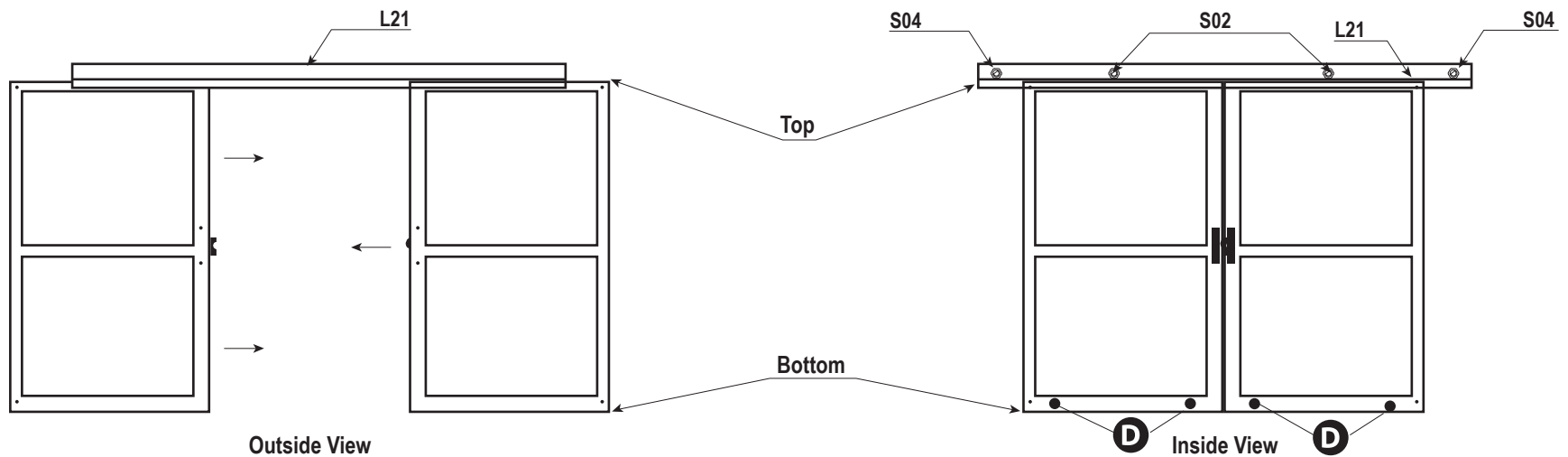
DOOR INSTALLATION

5.10 Attach **L28** to **L21** with **S04/ML01,** and **L28** to **601A** with **WASHERS** and **S02/ML01** as shown below in diagram **Ⓐ** and **Ⓑ** . Check that the **L21** and **L28's** are square. Attach (2) **J07** to the ends of **L21** see **Ⓒ** . The **L28** should align square to the **601A**.

5.11 Check that the door locks are snug, you may adjust them with screwdriver if needed as they may be tightened or loosened.

Ⓐ

603D

S04/ML01

L21

L28

Top Left Profile View

Ⓒ

L21

J07

Backside View

601A-FR

601A-FL

Ⓑ

601A

S02

L28

Top Profile View

Ⓑ

L28

S02

ML01

WASHER

601A
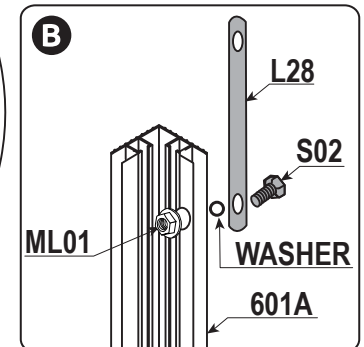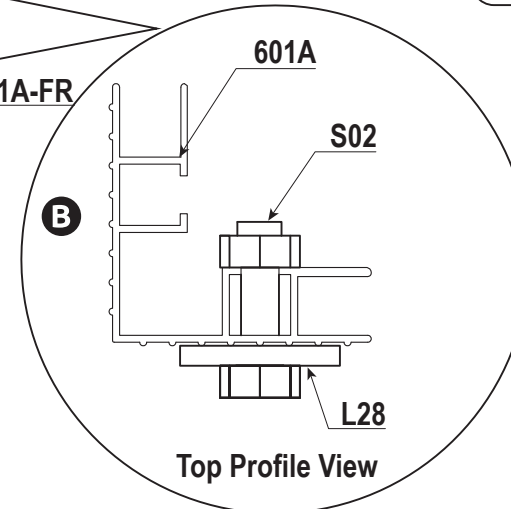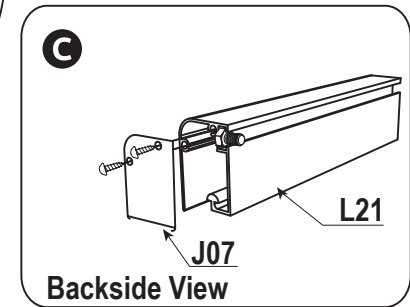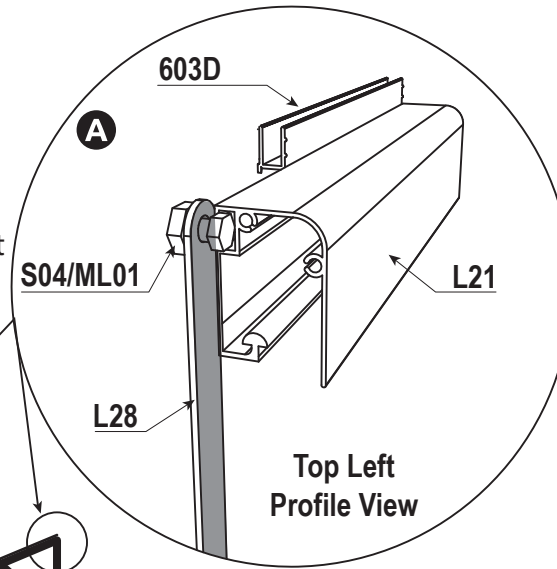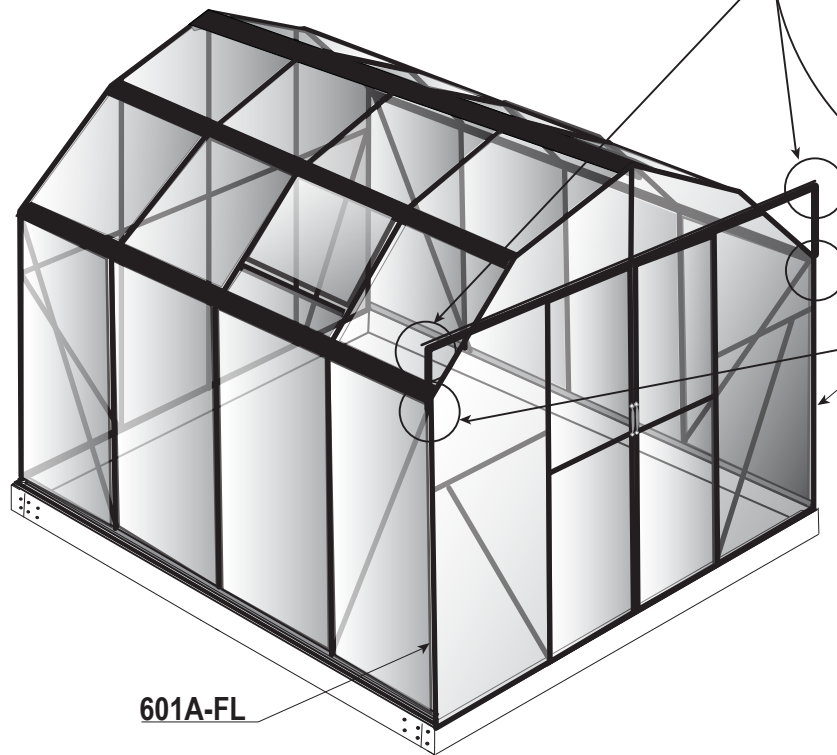
INTERIOR ROOF SUPPORT ASSEMBLY

6.1 Attach the **L08E-X** to the upper roof section as shown with **S04/ML01** fasteners already in place where the **607** meets the **601B**, and the **609** and the **602B** meet see **Ⓐ**.

6.2 Attach the **L08D-X** to the rear lower roof section where **S04/ML01** fasteners are already in place where the **609** and the **602B** meet, and the **609** and the **601B** meet see **Ⓑ** .

6.3 Attach the **BZ-1's** to the roof line as shown in diagram **Ⓒ** with the **S04/ML01**. The edge of the **BZ-1** should meet up to the edge of **609** exactly.

6.4 Use **CZ-1's** to support the interior wall at the eave using the **S04/ML01**. See diagram **Ⓓ** . We suggest that you measure down **9"** and mark it with a pencil so the base of the **CZ-1** will meet there.

44
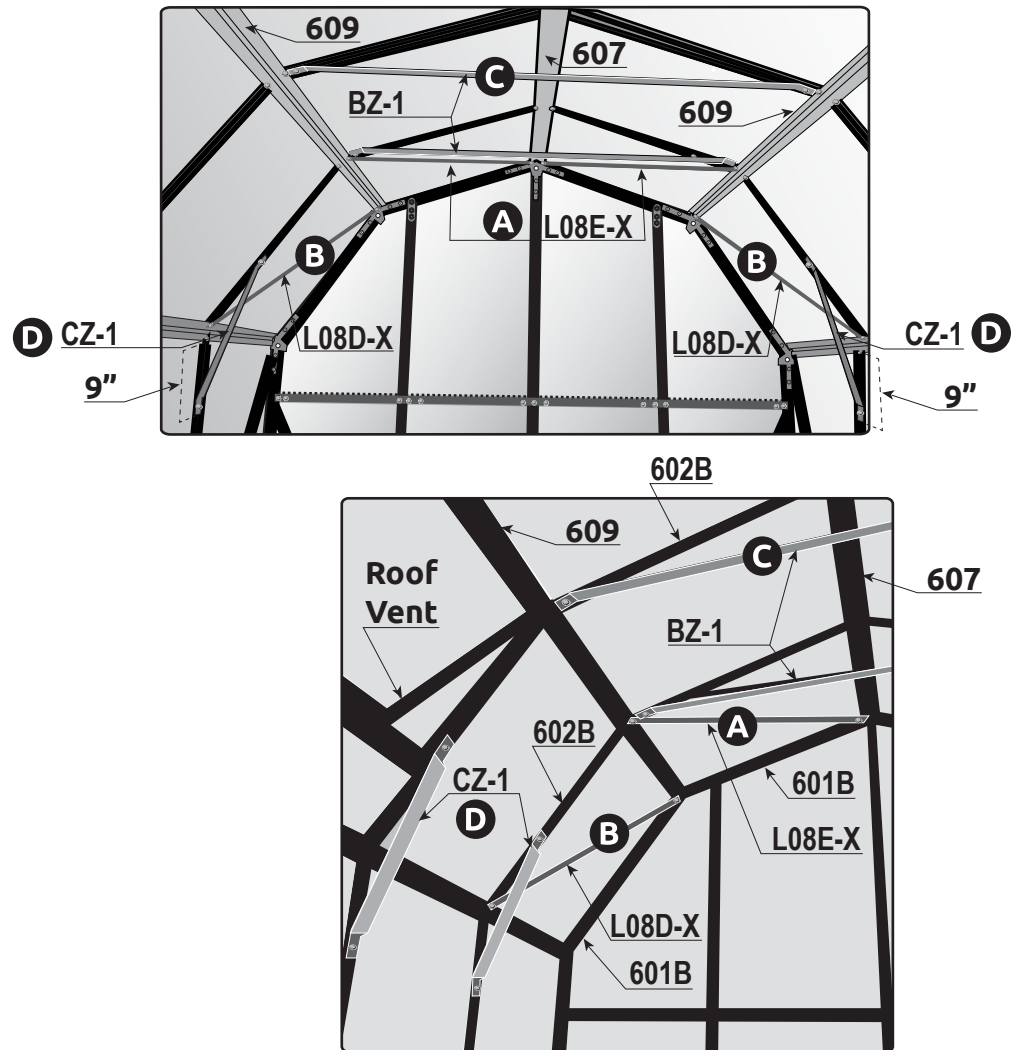
6.5 With two people attach the **AZ-1** to the **W17** to the base and the lower **602A**, see Ⓐ. Then attach the upper end to the mid roof line touching the **609** see Ⓑ for exact placement. Install on both sides of the greenhouse in the middle using the **S02/ML01** combo.
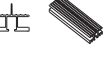
You may remove all stickers now with Goo Gone if needed. Double check all nut and bolt combos are tight and that there are no left over parts. Apply silicone caulk now.

Ⓑ

601B

BZ-1   S04
        ML01

609

609-XS   S02
          ML01

AZ-1

601B

FRONT ⟶

Ⓐ

AZ-1   S02

ML01   W17 Bracket
        Note orientation
        of bracket

        10mm
        7mm

**(7mm gap edge will fit
down into base bottom)**

Ⓑ

Ⓑ

AZ-1   Ⓐ

INSIDE VIEW Ⓐ

602A

AZ-1

S02/ML01
You will need to
switch this bolt
out to an S02

FRONT

S02/ML01

W17 BRACKET

Ⓐ
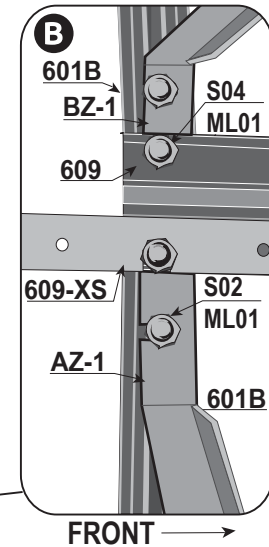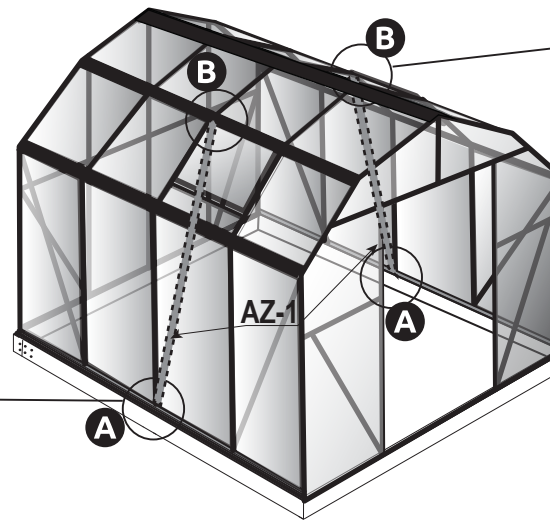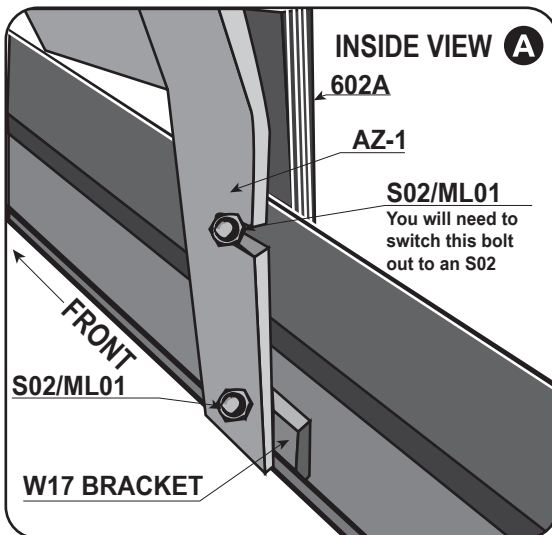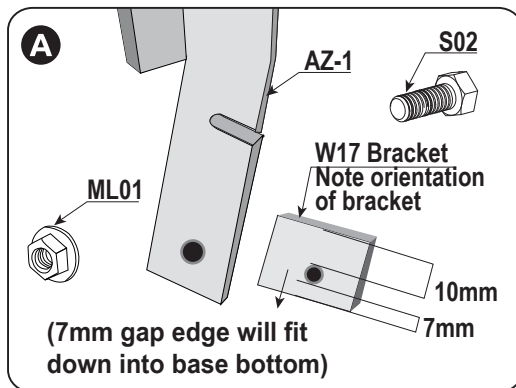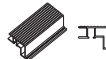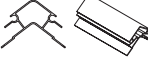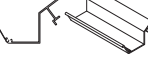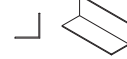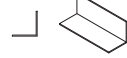
CONGRATULATIONS YOU DID IT!!

STEP SIX
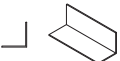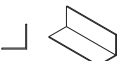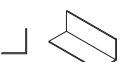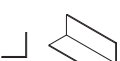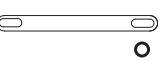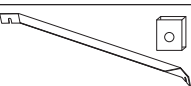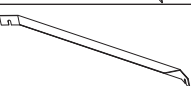
(GRA-ELI-8A) 8x8 GRANDIO ELITE ALUMINUM PACKING LIST
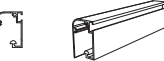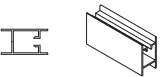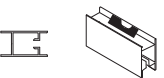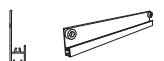
GRAPHIC	PART NAME	SIZE/LOCATION	QUANTITY	GRAPHIC	PART NAME	SIZE/LOCATION	QUANTITY
	601A-B	56 9/16 in / 1437 mm BACK CORNERS	2		604-R	70 3/4 in / 1797 mm FRONT RIGHT	1
	601A-FL	56 9/16 in / 1437 mm FRONT LEFT CORNER	1		604-L	70 3/4 in / 1797 mm FRONT LEFT	1
	601A-FR	56 9/16 in / 1437 mm FRONT RIGHT CORNER	1		607	94 1/4 in / 2394 mm	1
	601B	29 7/16 in / 748 mm CORNER ROOF	8		606-WS	21 3/4 in / 553 mm	14
	602A	56 9/16 in / 1437 mm	6		609	94 1/4 in / 2394 mm	4
	602B	29 7/16 in / 748 mm	12		610	94 3/8 in / 2397 mm	2
	602C	90 1/2 in / 2299 mm	1		615	22 3/4 in / 578 mm	2
	602D-R	83 1/4 in / 2115 mm	1		616	22 3/4 in / 578 mm	2
	602D-L	83 1/4 in / 2115 mm	1		618	19 11/16 in / 500 mm	4
	603C	21 7/8 in / 555 mm	8		630	94 3/8 in / 2397 mm	2
	603D	72 3/16 in/ 1833 mm	1		L08A NOTE THESE ARE PACKED TOGETHER	94 1/4 in / 2394 mm	1
	603E	18 1/4 in / 463 mm	1		L08B	94 1/4 in / 2394 mm	1
	619 PACK 619-BAR S19 SCREW S10 / ML02	94 1/4 in / 2394 mm 44 1/2 in / 1130 mm M4*10 M6*16 / NUT	1 - 619 1 - 619 Bar 5 - S19 Screws 3 - S10 / ML02				
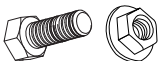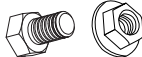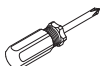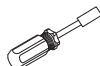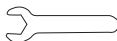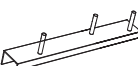
(GRA-ELI-8A) 8x8 GRANDIO ELITE ALUMINUM PACKING LIST

GRAPHIC	PART NAME	SIZE/LOCATION	QUANTITY	GRAPHIC	PART NAME	SIZE/LOCATION	QUANTITY
	L08D	24 3/16 in / 614 mm	2		620	21 7/16 in / 545 mm	2
	L08A-X	52 1/4 in / 1327 mm	2		L21	95 1/2 in / 2425 mm	1
	L08B-X	51 3/16 in / 1300 mm	2		622	69 11/16 in / 1770 mm	2
	L08C-X	61 1/32 in / 1550 mm	4		622-R	69 11/16 in / 1770 mm	1
	L08D-X	37 13/16 in / 960 mm	4		622-L	69 11/16 in / 1770 mm	1
	L08E-X	37 11/16 in / 957 mm	4		623A	21 7/16 in / 545 mm	2
	L28 / WASHER	19 9/16 in / 497 mm 4mm WASHERS	2/2		623B	21 7/16 in / 545 mm	2
	AZ-1 / W17 S02/ML01	86 1/4 in / 2190 mm EXTENSION SUPPORT	2				
	BZ-1	56 1/2 in / 1435 mm	3				
	CZ-1	23 5/8 in / 600 mm	6				

GRANDIO ELITE HARDWARE BOX PACKING LIST (INSIDE THE GRA-ELI-8P BOX)

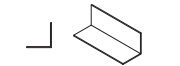| GRAPHIC	PART NAME	SIZE/LOCATION	QUANTITY	GRAPHIC	PART NAME	SIZE/LOCATION	QUANTITY
	S02/ML01	M6*25	6		JG01	RIDGE END CAP	2
	S04/ML01	M6*14	150		JG02 A/B	MID ROOF END CAP	2/2
	S05	M6*10 SCREWS FOR WG01 AND WG02	45		JG03 A/B	GUTTER END CAP	2/2
	W11	MULTI-DRIVER	1		Z03	M3*25	4
	W13	10 MM NUT DRIVER	1		Z06	M4*10	10
	W16	10 MM WRENCH	1		ML02	NON FLANGED NUTS	8
	J07	L21 END CAP	2		WG01	FRONT & BACK	2
	J08A	DOORS	4		WG02	FRONT & BACK	8
	622-HNDL	DOOR HANDLES	4		W04	ROOF LINE	5
	622-HNDL NUT/BOLT	DOOR HARDWARE	4		W04-1	BACK WALL	2
	Z04, S04/ML01	ROOF VENT HARDWARE	4		W04-2	CONNECTOR	4
	HQC01	ROOF VENT ARM	2		Z01	M4*30 SCREWS FOR DOORS	13
	HQC02	ROOF VENT LATCH	2		Z02	M4.6*16 SCREWS FOR ROOF VENTS	9

THESE ARE PACKED TOGETHER

(GRA-ELI-8P) 8'x8' ELITE PANEL BOX PACKING LIST

GRAPHIC	NAME	SIZE/LOCATION	WIDTH	HEIGHT 1	HEIGHT 2	QTY
	Y1	FRONT & BACK PANEL	22 3/4 in / 578 mm	47 5/16 in / 1202 mm		6
	Y2-1	FRONT PANEL	22 3/4 in / 578 mm	9 1/16 in / 230 mm	23 in / 585 mm	1
	Y2-2	FRONT PANEL	22 3/4 in / 578 mm	23 in / 585 mm	9 1/16 in / 230 mm	1
	Y3-1	FRONT PANEL	35 1/2 in / 902 mm	9 15/16 in / 252 mm	19 1/8 in / 486 mm	1
	Y3-2	FRONT PANEL	35 1/2 in / 902 mm	19 1/8 in / 486 mm	9 15/16 in / 252 mm	1
	Y4-1	BACK PANEL	22 3/4 in / 578 mm	9 1/16 in / 230 mm	35 3/16 in / 894 mm	1
	Y4-2	BACK PANEL	22 3/4 in / 578 mm	35 3/16 in / 894 mm	9 1/16 in / 230 mm	1
	Y5-1	BACK PANEL	22 3/4 in / 578 mm	35 7/16 in / 900 mm	42 13/16 in / 1087 mm	1
	Y5-2	BACK PANEL	22 3/4 in / 578 mm	42 13/16 in / 1087 mm	35 7/16 in / 900 mm	1
	Y6	DOOR PANEL	22 3/4 in / 578 mm	34 in / 864 mm		4
	Y7	SIDE WALL PANEL	22 3/4 in / 578 mm	57 in / 1447 mm		8
	Y8	ROOF PANEL	22 3/4 in / 578 mm	30 5/8 in / 778 mm		6
	Y9	UNDER ROOF VENT	22 3/4 in / 578 mm	8 7/8 in / 225 mm		2
	Y10	ROOF VENT PANEL	22 3/4 in / 578 mm	19 1/8 in / 486 mm		2
	Y11	ROOF PANEL	22 3/4 in / 578 mm	30 3/8 in / 772 mm		8

(GRA-ELI-BDA & GRA-ELI-BDP) GRANDIO ELITE BACKDOOR PACKING LIST

GRAPHIC	PART NAME	SIZE/LOCATION	QUANTITY	GRAPHIC	PART NAME	SIZE/LOCATION	QUANTITY
	603D	72 3/16 in / 1833 mm BACK WALL	1		Z01	M4*30 SCREWS FOR DOORS	13
	603E	18 1/4 in / 463 mm BACK WALL	1		S04/ML01	M6*10	35
	604R	70 3/4 in / 1797 mm FRONT RIGHT DOOR	1		S02/ML01	M6*25	4
	604L	70 3/4 in / 1797 mm FRONT LEFT DOOR	1		L21	95 1/2 in / 2425 mm	1
	L08D	24 3/16 in / 614 mm	2		J07	L21 ENDCAP	2
	619 619-BAR S19 Screw S10 / ML02	94 1/4 in / 2394 mm 44 1/2 in / 1130 mm M4*10 M6*16 / NUT	1 - 619 1 - 619 Bar 5 - S19 Screws 3 - S10 /ML02		L28	19 9/16 in / 497 mm 4mm WASHERS	2/2
	622	69 11/16 in / 1770 mm	2		W04	CONNECTOR BRACKET	1
	622-R	69 11/16 in / 1770 mm	1		W04-1	FRAME CONNECTOR	2
	622-L	69 11/16 in / 1770 mm	1		W04-2	FRAME CONNECTOR	2
	620	21 7/16 in / 545 mm	2		Y3-1	UPPER ROOF PANEL	1
	623A	21 7/16 in / 545 mm	2		Y3-2	UPPER ROOF PANEL	1
	623B	21 7/16 in / 545 mm	2		Y2-1	BACK WALL SIDE	1
	L08A-X	52 1/4 in / 1327 mm CROSS SUPPORT	2		Y2-2	BACK WALL SIDE	1
	J08A	DOOR	4		Y6	DOOR PANELS	4
	622-DOOR HANDLES	DOOR HANDLES	4		1/4 DB	1/4" DRILL BIT	1

Grandio Greenhouse Limited Lifetime Warranty

1. Grandio Greenhouses are warranted to the original purchaser to be free from defects in material or workmanship for ten years from the date of original retail purchase on all plastic panels. Additionally the aluminium frame is warranted for life. The word "defects" is defined as imperfections that impair the use of the product.

2. Defects resulting from misuse, abuse or negligence will void this warranty. This warranty does not cover defects due to improper installation, alteration or accident. This warranty does not cover damage caused by vandalism, rusting, "acts of nature" or any other event beyond the control of the manufacturer.

3. This warranty is nontransferable and is expressly limited to the repair or replacement of defective product if the product is defective within the terms of this warranty, Grandio Greenhouses will repair or replace defective parts at no cost to the purchaser. Shipping charges to and from the factory or distribution center are not covered and are the responsibility of the purchaser. Labor charges and related expenses for removal, installation or replacement of the greenhouse or its components are not covered under this warranty.

4. This warranty does not cover scratching or scuffing of the product that may result from normal usage. In addition, defects resulting from intentional damage, negligence, unreasonable use will void this warranty.

5. Liability for incidental or consequential damages is excluded to the extent permitted by law. While every attempt is made to embody the highest degree of safety in all equipment, freedom from injury cannot be guaranteed. The user assumes all risk of injury resulting from the use of this product. All merchandise is sold on this condition, and no representative of the company may waive or change this policy.

6. This product is not intended for institutional or commercial use; Grandio Greenhouses does not assume any liability for such use.

7. This warranty is expressly in lieu of all other warranties, expressed or implied, including warranties of merchantability for use to extent permitted by Federal and State Law. Neither Grandio Greenhouses nor any representative assumes any other liability in connection with this product. This warranty gives you specific legal rights, and you may also have other rights that vary from state to state.

NOTES

GRANDIO®
G R E E N H O U S E S

Grandio Elite 8x8

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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