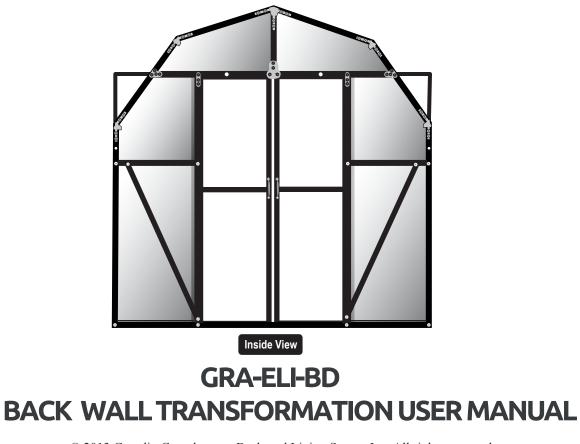


2015 GRANDIO ELITE BACK WALL TRANSFORMATION KIT



© 2013 Grandio Greenhouses, Backyard Living Source Inc. All rights reserved 2015 Manual Edition Back Wall Transformation Kit



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! READ BEFORE BEGINNING ASSEMBLY

THIS BACK DOOR TRANSFORMATION MANUAL IS FOR CUR-RENT GREENHOUSE OWNERS THAT ARE SWITCHING OUT THEIR BACK WALLS ONLY.

SEE OPTIONS BELOW FOR FURTHER EXPLANATION.

OPTION 1 - 1ST TIME BUILDING GREENHOUSE KIT

You will discard this manual and use only the manual that came with your greenhouse kit. Your manual included in your greenhouse kit will tell you how to build the back wall with a door.

OPTION 2 - SWITCHING OUT EXISTING BACK WALL

You will use this manual to easily remove the back wall you currently have on your greenhouse and modify it with this kit to create a new back door.

- Follow the step by step instructions.
- Only perform this switch out on a wind free or calm day.
- Inventory all parts with the parts list on page 26.
- You must have at least 2 people for assembly.

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 page 26.** 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.

NEEDED FOR ASSEMBLY

- Tape Measure • Level
- 1 Step Ladder
 Work Gloves
 - Gloves

- Carpenter Square
 At Least 2 Adults
- Permanent Marker
 Masking Tape
- Safety Glasses
 Drill
- Knee Pads
- Folding Utility Table



When you see this icon

pay special attention to the helpful tips we have provided that will

make installation more efficient.

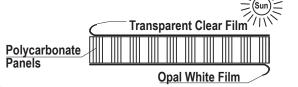
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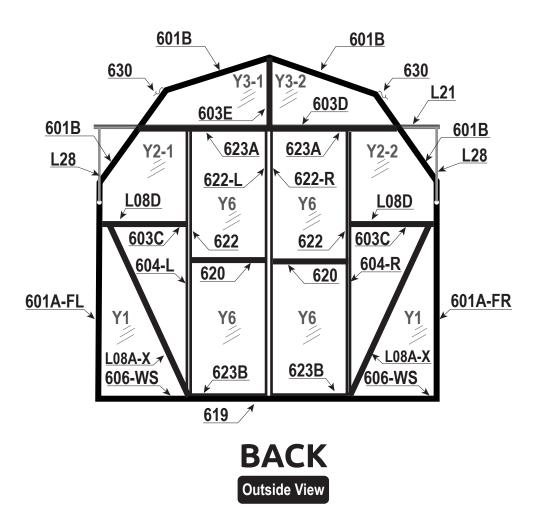
GRANDIO GREENHOUSE BACK DOOR KIT DIAGRAM

DIAGRAM SHOWS THE ASSEMBLED BACK WALL TRANSFORMATION OF THE GRANDIO ELITE GREENHOUSE.

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.







ASSEMBLY INSTRUCTION STEPS

PREPARE FOR ASSEMBLY

STEP ONE: DETACHING BACK WALL

STEP TWO: BACK WALL DOOR ASSEMBLY

STEP THREE: REATTACH BACK WALL

STEP FOUR: DOOR ASSEMBLY

STEP FIVE: PARTS LIST

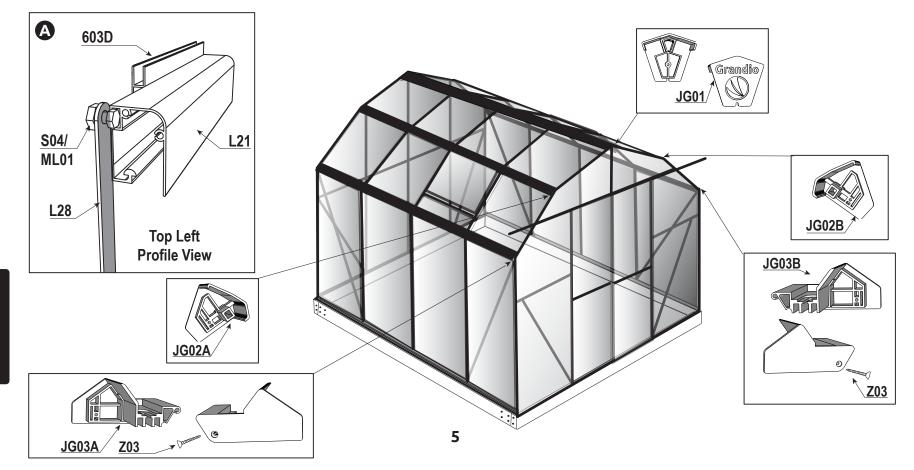
Introduction & Prepare For Assembly1				
Safety Instructions2				
Diagram of Assembled Back Door3				
Detaching Back Wall5-8				
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Warning: Follow the directions for detaching back wall as shown here. ** This section will require a minimum of 2 people.

DETACHING BACK WALL INSTRUCTIONS

1.1 Detach all **JG01, JG02A, JG02B, JG03A** and **JG03B** end caps from the ridge, mid roof and gutters on both front and back of your greenhouse as shown below. Set aside all end caps and hardware in a safe place for reinstallation later.

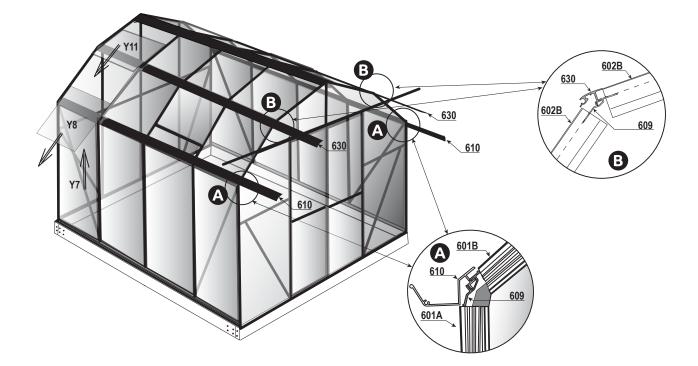
1.2 Detach the **L28** from only the top **L21** as shown, let it fall to the side out of the way of the endcaps on the side with the doors. See **A**.



DETACHING BACK WALL INSTRUCTIONS YOU WILL NEED AT LEAST 2 PEOPLE TO REMOVE THE BACK WALL FOR SWITCH OUT

1.3 Slide **610** gutter piece out one panel section only, of **609's** groove as shown in diagram **A**. Remove **Y8** panel and **Y7** panel. Repeat on other side.

1.4 Slide **630** out one panel section only of upper mid roof section to allow for removal of the **Y11** panel see **B**. Repeat on other side of greenhouse.



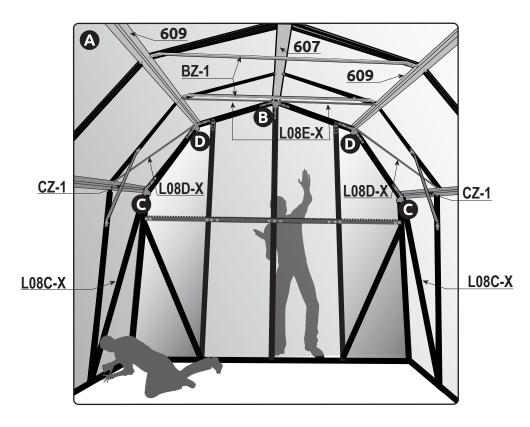
STEP ONE

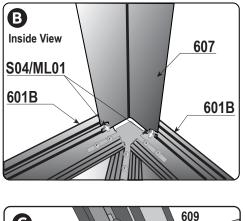
DETACHING BACK WALL INSTRUCTIONS YOU WILL NEED AT LEAST 2 PEOPLE TO REMOVE THE BACK WALL FOR SWITCH OUT

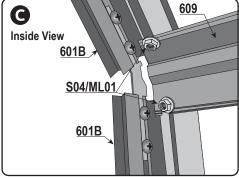
1.5 Loosen and remove the (2) of each LO8E-X, LO8D-X and the LO8C-X off the back wall as shown in A.

1.6 Be sure one person is on the outside of the greenhouse holding and supporting the back wall as the person inside detaches all back wall hardware.

1.7 Loosen the **S04/ML01** screws that attach the **607** Roof Ridge to the back wall see **B**. Loosen the **S04/ML01** that hold the **609** Eave and Mid Roof Support to the back wall as shown in **C** and **D**.





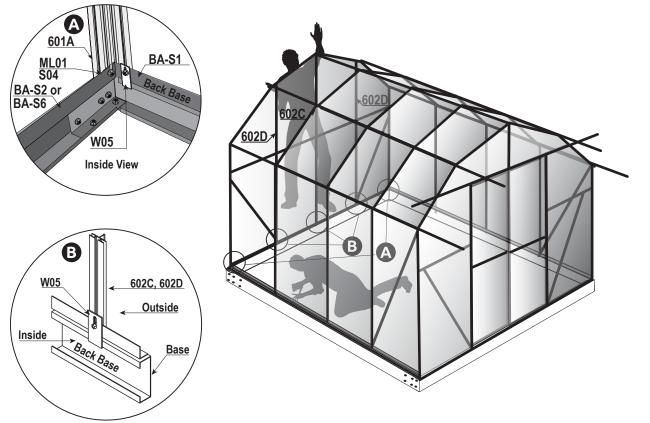


STEP ONE

DETACHING BACK WALL INSTRUCTIONS YOU WILL NEED AT LEAST 2 PEOPLE TO REMOVE THE BACK WALL FOR SWITCH OUT

1.8 Detach back wall **601A's** from back base corners by loosening **S04/ML01** on both sides as shown in **A**.

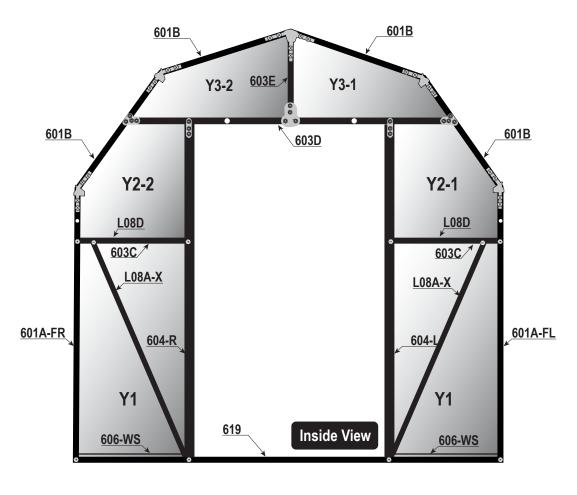
1.9 Detach the (5) remaining W05 clips to release the back wall where the 601A's meet the corner of the base as shown in (A), and where 602D's, and the 602C meet the BA-S1 see (B). You will need to replace S04/ML01's on the back wall where the W05 Clips were to keep the back wall together for removal. The back wall should be free from the middle section and base kit, you and other person will want to gently pull apart and lay flat, with the outside facing down on a tarp. Begin disassembling the back wall, keep pieces in their respective places to get ready for the back wall to door transformation assembly. Place all nuts, bolts and hardware into a safe place such as a container with a lid.



BACK WALL DOOR ASSEMBLY ALWAYS ASSEMBLE FRONT AND BACK HORIZONTAL

This picture shows the inside view of the back wall assembled for accepting a door.

All parts for this section will be found from the disassembled back wall and in the box GRA-ELI-BD We recommend that you assemble the new back wall on a tarp.



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



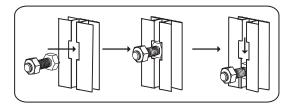
Lay flat on ground to GRANDIO assemble the front and back frames of your greenhouse. Panels can burn grass and plants if in direct light. Try to assemble on a calm day in the shade.



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.

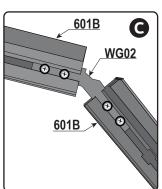


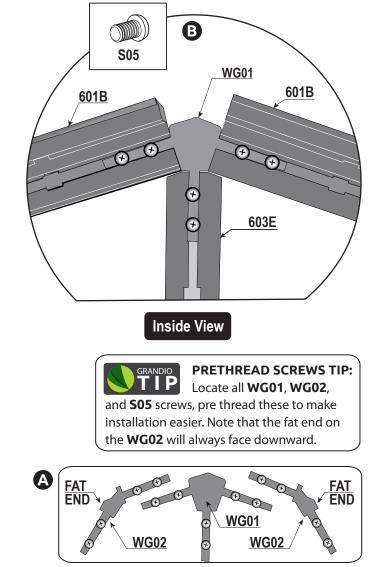
BACK WALL ASSEMBLY ALWAYS ASSEMBLE FRONT AND BACK HORIZONTAL

2.1 Pre thread all **S05** screws into the **WG01** and **WG02's** for ease of installation, see A only turn **S05** a few turns.

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.

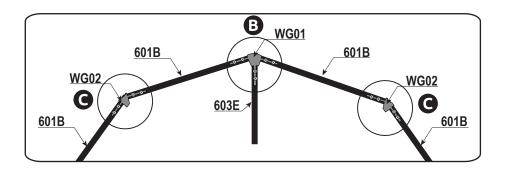
2.3 Install WG02's into (2) 601B's then tighten S05 screws when extrusions are completely tight see **G**. Note: the fat end of the WG02 will always be on the bottom side see **A**.





STEP TWO

▲ IMPORTANT: Use only S05 Screws, other screws may damage frame. ▲



BACK WALL ASSEMBLY Always assemble front and back horizontal *IF using the moisture control kit you will use it now

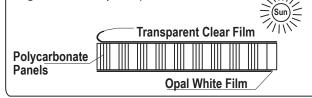
2.4 Insert polycarbonate panels **Y3-2** and **Y3-1** into place as shown in **A**.

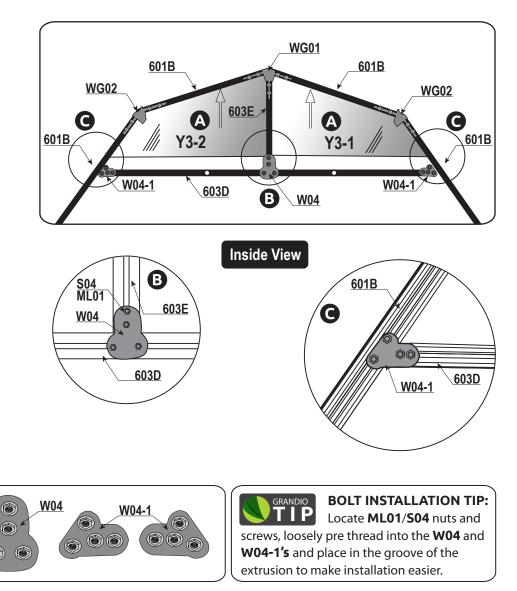
2.5 Attach **603E** and **603D** with **W04** and **S04/ML01** fasteners as shown in **B**.

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 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.





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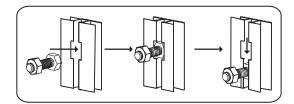
BACK WALL ASSEMBLY ALWAYS ASSEMBLE FRONT AND BACK HORIZONTAL

2.7 View diagrams and attach the (2) 604's and (2) 601A's to the 619. Note the orientation of the 604's, also there are 4 different 601A's (2) for the front and (2) for the back with different hole placements. You will need to drill the holes for the back section to match the front holes. See diagram on this page. The 601A-FR and the 601A-FL will have a hole at the top side and will face to the ground during assembly or back of greenhouse, please drill 1/4" holes for your 601A-B's to match the 601A-FL and 601A-FR this will transform your back wall for hanging the doors.

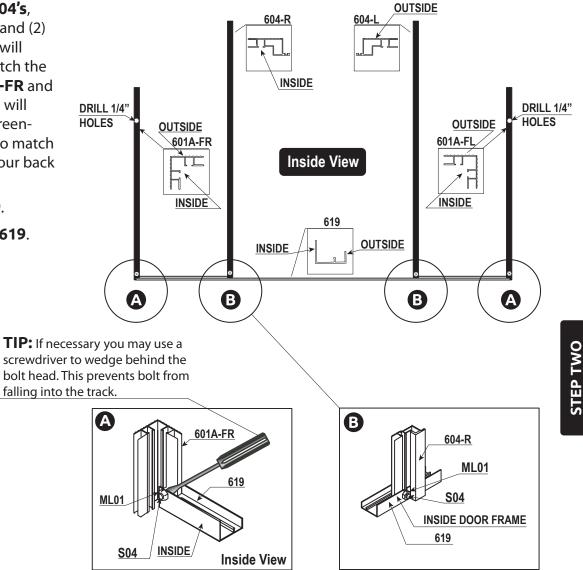
A shows where the corner pieces attach to **619**.

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

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.



Make sure the hole on the **601A-FL** and **601A-FR** face to the back of greenhouse for future install of the **L21** and **L28** bracket that holds the door header in place.

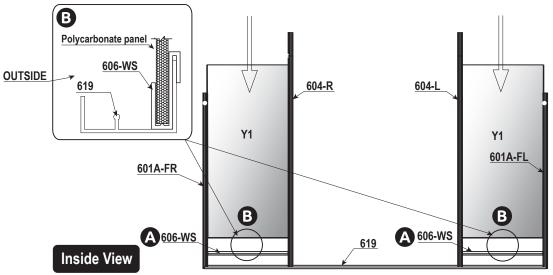


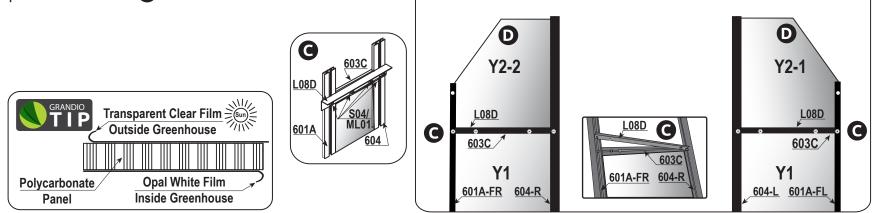
BACK WALL DOOR ASSEMBLY ALWAYS ASSEMBLE FRONT AND BACK HORIZONTAL

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 **G**.





BACK WALL DOOR ASSEMBLY ALWAYS ASSEMBLE FRONT AND BACK 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** screws 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** to **L08D** and **604** 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**.

B

UP

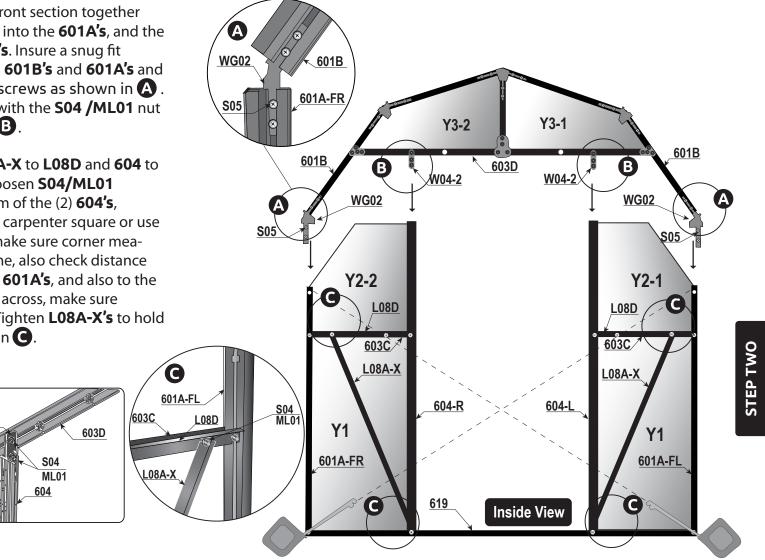
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WG02

Profile View

W04-2

Fat End

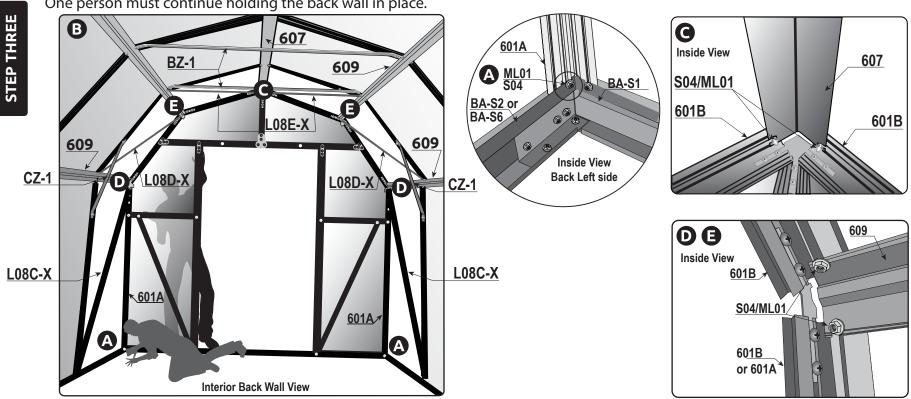


RE-ATTACH BACK WALL ASSEMBLY YOU WILL NEED AT LEAST 2 PEOPLE TO INSTALL THE BACK DOOR WALL

A Warning: Proceed only if you are replacing a back wall on an existing greenhouse.

3.1 With no less than **2 people** place the pre assembled back section on top of the base kit back. Have person (1) hold the back vertically while the other attaches the back section 601A's to the base using S04/ML01 fasteners as shown in A. Person (1) must continue to hold up the back wall!

3.2 See diagram **B** for overview of back wall. Use the **S04/ML01** screws to attach the **607** (Roof Ridge) to the back wall see **C**. Use the **S04/ML01** to attach the (4) **609's** (Mid Roof and Eave Supports) to the back wall as shown in **D** and **E**.



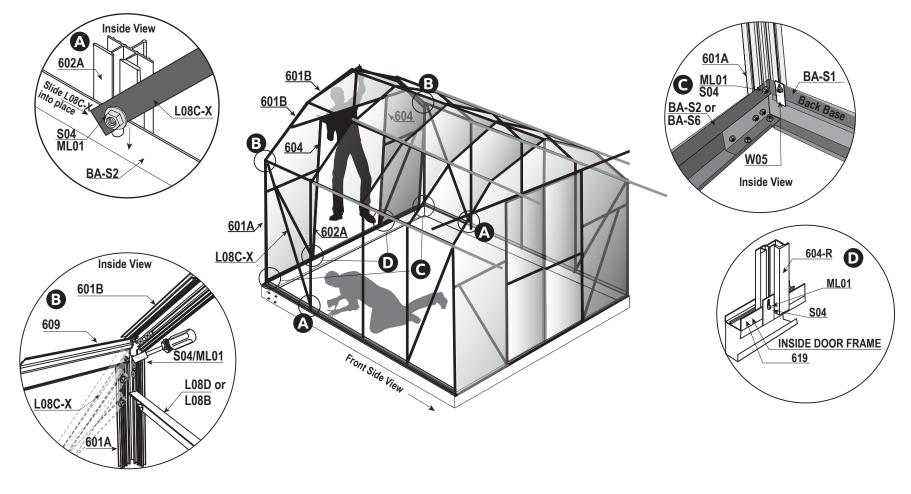
One person must continue holding the back wall in place.

3.3 Attach LO8E-X and LO8D-X to the back roof wall as shown in **B**.

RE-ATTACH BACK WALL ASSEMBLY YOU WILL NEED AT LEAST 2 PEOPLE TO INSTALL THE BACK DOOR WALL

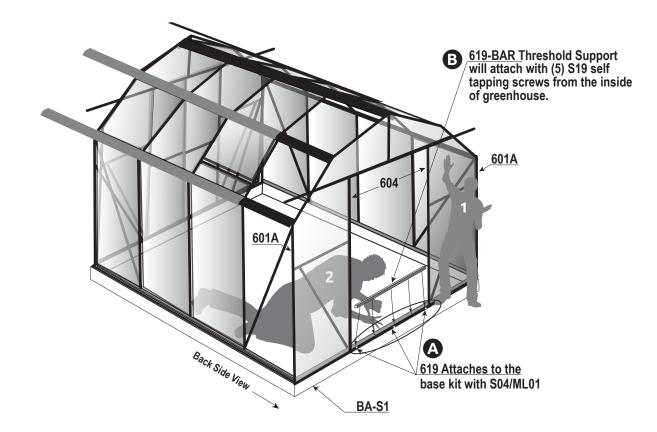
3.4 You may need to re-attach the bottom of **L08C-X** to **602A** and base kit with **S04/ML01**, as shown in **(A)**. Attach the **L08C-X** to the **601A** and **609** as shown in **(B)**, make sure the **S04/ML01** combos are tight.

3.5 Use (2) **W05** clips to attach the back wall where the **604's** meet the base as shown in **D**. Then use (2) **W05** Clip combos to attach the corner **601A's** to the base kit as shown in **C**, you will have to switch out the nut and bolt combos that were originally used over to the **W05** Clips for **C** and **D**.



RE-ATTACH BACK WALL ASSEMBLY YOU WILL NEED AT LEAST 2 PEOPLE TO INSTALL THE BACK DOOR WALL

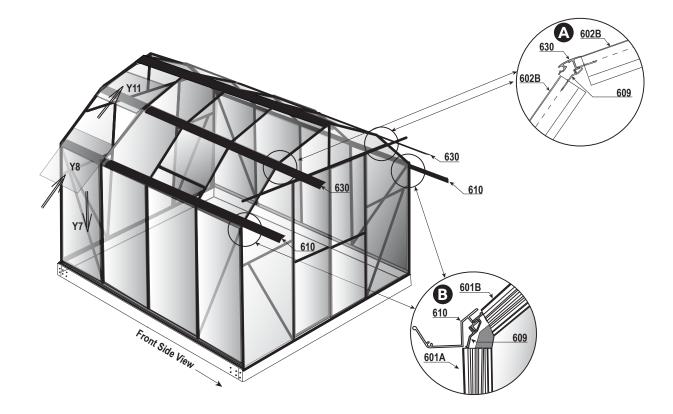
3.6 Attach the back door section **619** to the base using (3) **S04/ML01** fasteners as shown in (A), then attach the **619-BAR** threshold support to the inside of the **619** with (5) **S19** self tapping screws included in the package, see (B).



BACK WALL PANEL ASSEMBLY

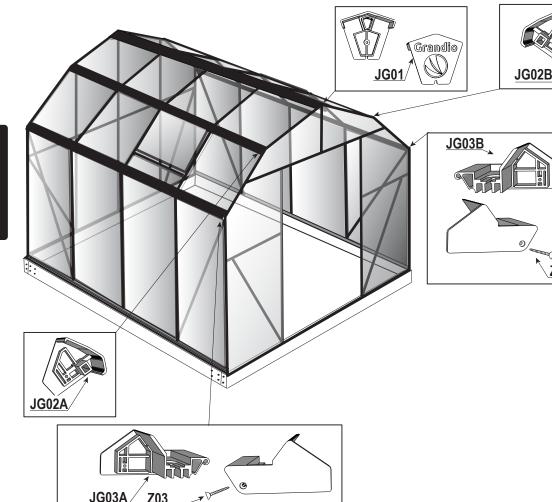
3.7 Insert **Y11** panels into the upper roof sections of your greenhouse as shown, then slide the **630's** back into place to lock the panels into place see **A**.

3.8 Slide **Y7** and **Y8** panels into place as shown below, then slide the **610** gutter back into place to lock those panels into place see diagram **B**. Repeat on other side.



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.



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



STEP THREE

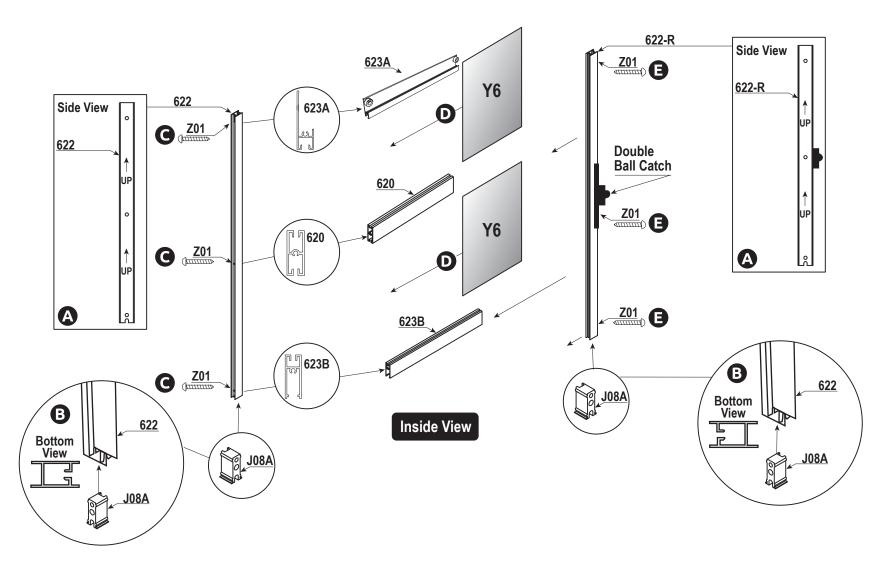
19

Z03

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-BD. Use the #2 head Phillips Screw Driver for installation.



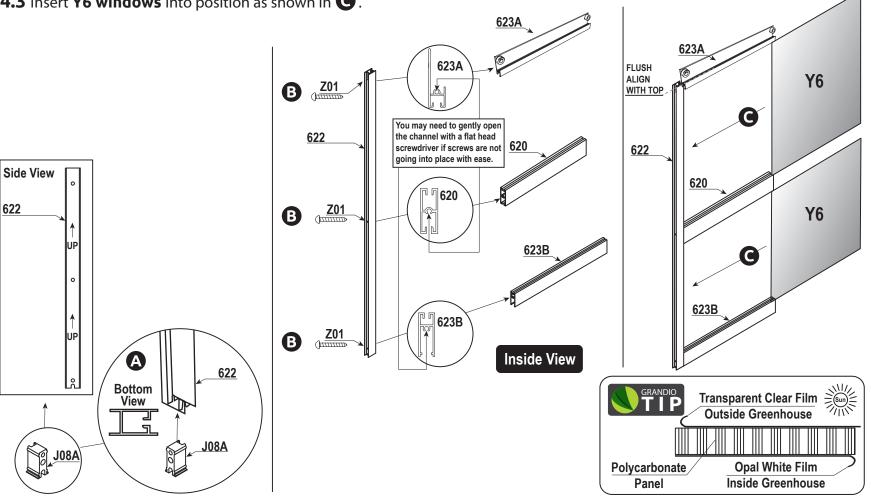
DOOR ASSEMBLY

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 23-25. Make sure window panels face the right direction to the sun and note that the panels have pre drilled holes for the handles to attach later and these need to be aligned with the lock mechanisms, you may have to re drill these holes out if they are not apparent. This will save you from assembling the wrong way. Be careful not to strip the phillips heads when assembling.

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

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

4.3 Insert **Y6 windows** into position as shown in **C**.

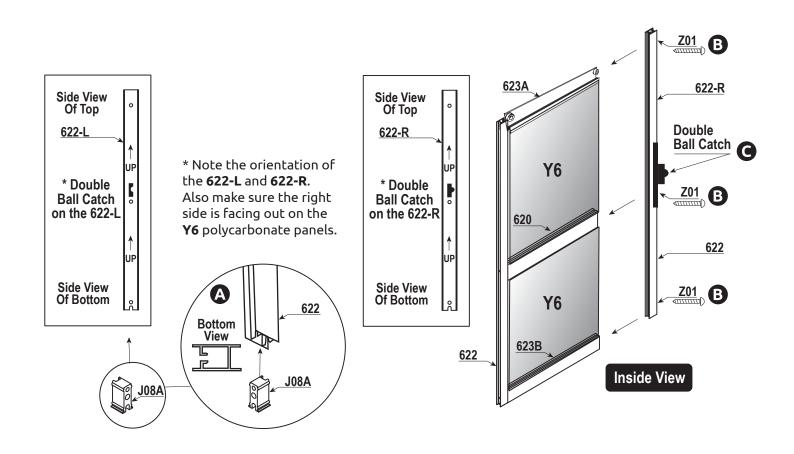


DOOR ASSEMBLY

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

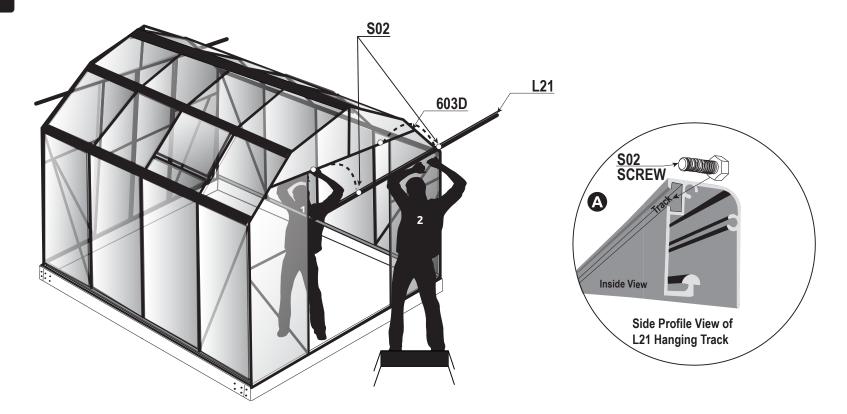
4.5 Attach the 622-L to the 623B, 623A and 620 using the Z01 screws as shown in B.

4.6 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**.



DOOR ASSEMBLY *ONLY HANG DOORS IF YOU ARE SWITCHING OUT THE BACK WALL *FIRST TIME BUILDERS WILL FOLLOW THE MANUAL FOR THEIR KIT

4.7 Slide the (2) **S02** bolts down the track of the **L21**, see A. 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.

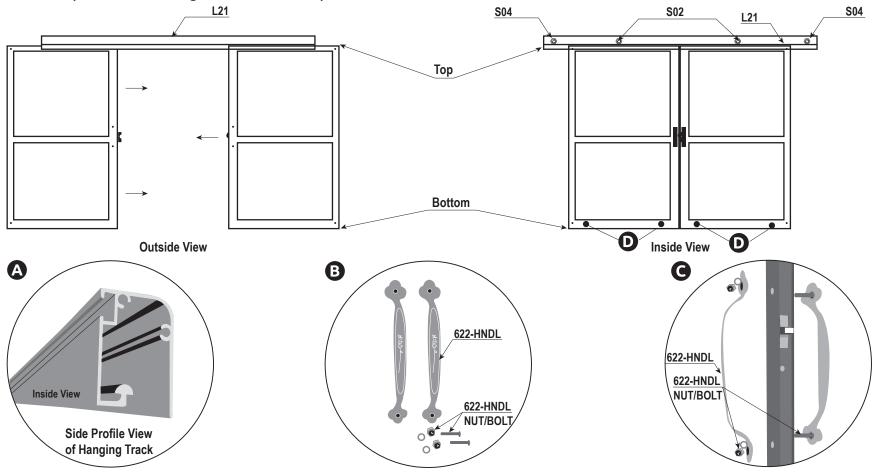


DOOR INSTALLATION

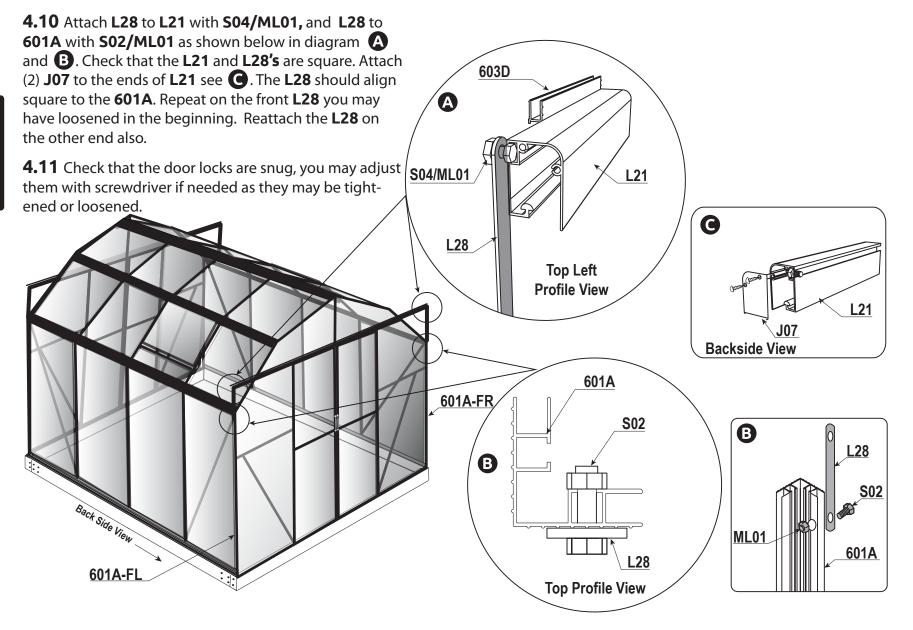
4.8 Separately slide the top of the doors in the left and right side of **L21**, see diagram **(A)**, until they latch in the middle.

4.9 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**. If holes are not apparent you may need to drill holes into the polycarbonate panels to allow for the handles to attach.

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



DOOR INSTALLATION



(GRA-ELI-BD) GRANDIO ELITE BACKDOOR PACKING LIST

GRAPHIC F	PART NAME	SIZE/LOCATION	QUANTITY
JE 🦠	603D	72 3/16 in / 1833 mm BACK WALL	1
II 🦠	603E	18 1/4 in / 463 mm BACK WALL	1
J. A.	604R	70 3/4 in / 1797 mm FRONT RIGHT DOOR	1
1	604L	70 3/4 in / 1797 mm FRONT LEFT DOOR	1
	L08D	24 3/16 in / 614 mm	2
	619 619-BAR S19	94 1/4 in / 2394 mm 51 3/16 / 1300 M4*10	1 - 619 1 - 619 Bar 5 - S19 Screws
FI	622	69 11/16 in / 1770 mm	2
II 🔪	622R	69 11/16 in / 1770 mm	1
II 🔪	622L	69 11/16 in / 1770 mm	1
	620	21 7/16 in / 545 mm	2
	623A	21 7/16 in / 545 mm	2
	623B	21 7/16 in / 545 mm FRONT RIGHT	2
	L08A-X	52 1/4 in / 1327 mm CROSS SUPPORT	2
	J08A	DOOR	4
	622-DOOR HANDLES	DOOR HANDLES	4

GRAPHIC P	ART NAME	SIZE/LOCATION	QUANTITY
(<u>)</u>	Z01	M4*30 SCREWS FOR DOORS	13
	ML01/S04	M6*10	35
	ML01/S02	M6*20	4
	L21	95 1/2 in / 2425 mm	1
°	J07	L21 ENDCAP	2
0 0	L28	19 9/16 in / 497 mm FRONT RIGHT	2
	W04	CONNECTOR BRACKET	1
(°) (°)	W04-1	FRAME CONNECTOR	2
$\bigcirc \circ \circ \bigcirc$	W04-2	FRAME CONNECTOR	2
	Y3-1	UPPER ROOF PANEL	1
	Y3-2	UPPER ROOF PANEL	1
	Y2-1	BACK WALL SIDE	1
	Y2-2	BACK WALL SIDE	1
	Y6	DOOR PANELS	4
	1/4 DB	1/4" DRILL BIT	1

STEP FIVE

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	NOTES

