



GRANDIO®
GREENHOUSES

BASE INSTALLATION MANUAL 1

SUMMIT GREENHOUSE

BASE KIT ASSEMBLY AND INSTALLATION MANUAL

- **PREPARING FOR INSTALLATION & WARNINGS**
- **CHOOSING YOUR SURFACE**
- **BASE KIT ASSEMBLY INSTRUCTIONS**
- **SECURING BASE KIT TO SURFACE FOR ALL SIZES**
- **WARRANTY**

© 2018 Grandio Greenhouses, Backyard Living Source Inc. All rights reserved
May 25, 2018 Summit Greenhouse Dimensions, Base Kit Assembly and Installation Manual 1

GRANDIO SUMMIT BASE KIT DIMENSIONS, INSTALLATION & ASSEMBLY INSTRUCTIONS GUIDE

INTRODUCTION: PREPARING FOR ASSEMBLY

CHAPTER 1: 12X8 BASE KIT

CHAPTER 2: 12X12 BASE KIT

CHAPTER 3: 12X16 BASE KIT

CHAPTER 4: 12X20 BASE KIT

CHAPTER 5: 12X24 BASE KIT

CHAPTER 6: 12X28 BASE KIT

CHAPTER 7: 12X32 BASE KIT

WARRANTY

Introduction.....	3
Safety Instructions.....	4
Box Configurations.....	5
Assembly Preplanning and Placement.....	6
BASE KIT PARTS LISTS	
(quick reference for base kit assemblies).....	7-8
CHAPTER 1: 12x8 Greenhouse Dimensions & Base Kit Installation Instructions.....	9-18
CHAPTER 2: 12x12 Greenhouse Dimensions & Base Kit Installation Instructions.....	19-28
CHAPTER 3: 12x16 Greenhouse Dimensions & Base Kit Installation Instructions.....	29-38
CHAPTER 4: 12x20 Greenhouse Dimensions & Base Kit Installation Instructions.....	39-48
CHAPTER 5: 12x24 Greenhouse Dimensions & Base Kit Installation Instructions.....	49-58
CHAPTER 6: 12x28 Greenhouse Dimensions & Base Kit Installation Instructions.....	59-68
CHAPTER 6: 12x32 Greenhouse Dimensions & Base Kit Installation Instructions.....	69-78
WARRANTY.....	79



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 aluminum and polycarbonate that 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 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 in **MANUAL 3**.
- ☐ 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 please use care when handling and cleaning.
- ☐ 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, if assembling any greenhouse longer than 8x16 you will need at least (3) people.
- ☐ Before you 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. Consider all variables including drainage, wind impact, sunlight, etc.
- ☐ Read all 3 Manuals to get familiar with all pieces and parts prior to beginning assembly. Follow the steps outlined in the order presented!



IMPORTANT! SAFETY INSTRUCTIONS



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

To ensure safety, do not attempt to assemble this product without following the instructions carefully. Check entire box and inside all packing material for parts and/or additional instruction materials. Before beginning assembly, locate and read the instruction **Manuals 1, 2, and 3**. 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, in direct sun light, 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 BASED CLEANERS ON POLYCARBONATE PANELS.**

- 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 this manual for your surface. The greenhouse must be anchored down to a firm and level base. If not properly installed warranty will be void.

NEEDED FOR ASSEMBLY

- | | | |
|---------------------|--------------------------------|-------------------------|
| • Tape Measure | • 2-4 Ladders For Larger Sizes | • Safety Glasses |
| • Level | • Work Gloves | • Drill |
| • Carpenter Square | • Permanent Marker | • Folding Utility Table |
| • At Least 2 Adults | • Masking Tape | |



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

SUMMIT BOX CONFIGURATION LAYOUT

We recommend laying all of your boxes out as shown on the graphic below for an organized assembly.

Locate your greenhouse size and situate your boxes near your assembly site as shown in the order listed below.

Inventory the parts and lay out on a tarp as to not lose items in the grass or dirt near your building site, a folding table is very helpful as well.

*See the reference diagrams for each greenhouse size in the chapters in this **MANUAL 1**. For more information about how the parts will go together and what makes up each section for the assembly see **MANUAL 2**. See **MANUAL 3** for detailed parts lists. See videos on our website at www.GrandioGreenhouses.com.

* If adding a Back Door Transformation Kit you will follow the instructions in this manual, the parts will be in box **GRA-SUM-BD**.

MODEL 12'X8' SUMMIT GREENHOUSE KIT & OPTIONAL STEEL BASE KIT	SUMMIT GREENHOUSE 4' EXTENSION KIT & OPTIONAL 4' STEEL BASE EXTENSION KIT	SUMMIT GREENHOUSE 8' EXTENSION KIT & OPTIONAL 8' STEEL BASE EXTENSION KIT
Summit 12x8 1	0	0
Summit 12x12 1	1	0
Summit 12x16 1	0	1
Summit 12x20 1	1	1
Summit 12x24 1	0	2
Summit 12x28 1	1	2
Summit 12x32 1	0	3

GRANDIO SUMMIT 12X8	GRANDIO SUMMIT 4' X	GRANDIO SUMMIT 8' X
<div>GRA-SUM-12A-1 Aluminum Extrusions Box 1</div> <div>GRA-SUM-12A-2 Aluminum Extrusions Box 2</div> <div>GRA-SUM-12P-1 Polycarbonate Panels Box 1</div> <div>GRA-SUM-12P-2 Polycarbonate Panels Box 2</div>	<div>GRA-SUM-4X</div> <div>4' Extension Aluminum Extrusions</div> <div>4' Extension Polycarbonate Panels</div>	<div>GRA-SUM-8XA 8' Extension Aluminum Extrusions</div> <div>GRA-SUM-8XP</div> <div>8' Extension Polycarbonate Panels</div>

GRANDIO STEEL BASE KIT 12X8	GRANDIO STEEL BASE KIT 4' X	GRANDIO STEEL BASE KIT 8' X
<div>GRA-BASE-S128 12x8 Steel Base Kit</div>	<div>GRA-BASE-S4X 4' Steel Base Kit Extension</div>	<div>GRA-BASE-S8X 8' Steel Base Kit Extension</div>

PRE-PLANNING YOUR GREENHOUSE PLACEMENT

Pre-Plan The Placement Of Your Structure: 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 suggested placement, as a greenhouse that is facing North is better than having 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.

Allow enough room to get a wheel barrow in and around your structure. Be sure you have adequate room around the exterior sides and rear of your greenhouse for maintenance of your property and the structure.

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

Sunlight and Wind Protection: 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. The more direct sunlight will keep the temperatures up during early spring and late fall. Typically, the goal is to get at least 6 hours of sunlight daily throughout the year.

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 secured 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.

Utilities: 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 temperatures and air circulation to the max efficiency.

You will need to choose an anchoring system prior to installation, see our website for options:
www.GrandioGreenhouses.com or call 1-866-448-8231


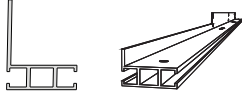





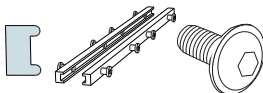

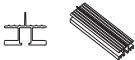
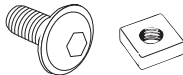
For Cement Base Installation: You will use Tapcon® style screws to secure your Flat Mount Base Kit to the concrete surface.

For Deck Base Installation: You will use wood screws to secure your Flat Mount Base Kit to the wood surface.






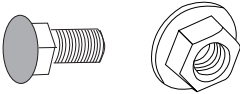
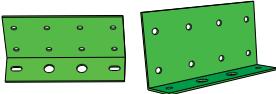
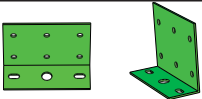
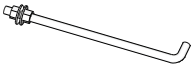

For Earth Installation: You will use the Grandio Summit Steel Base Kit with the BA-A1 / L-BOLT anchoring system. With this method you will dig holes, place the L-Bolts into the ground and secure into place with Quikrete®. It is recommended to back fill the Steel Base Kit with dirt or gravel to prevent air gaps upon completion of greenhouse assembly.

*** YOUR CHOSEN ANCHOR KIT OPTION SHOULD BE FOUND IN YOUR WELCOME KIT OR ACCESSORY BOX.**

SUMMIT FLAT MOUNT BASE KIT PARTS LIST (FOR CONCRETE OR WOOD SURFACE INSTALLATIONS) (FOUND IN THE 12X8 ALUMINUM PARTS BOXES)

GRAPHIC	PART NAME	SIZE/LOCATION	12X8 QTY	4X QTY	8X QTY
	12A	70 1/2 in / 1791 mm FM FRONT WALL LEFT	1	0	0
	12B	70 1/2 in / 1791 mm FM FRONT WALL RIGHT	1	0	0
	12C	94 5/16 in / 2396 mm SIDE/BACK FM 8' PIECE	3	0	0
	12D	46 3/4 in / 1187 mm FM 4' EXTENSION LEFT OR BACK	1	1	0
	12E	46 3/4 in / 1187 mm FM 4' EXTENSION RIGHT	0	1	0
	12F	93 7/16 in / 2374 mm FM 8' EXTENSION LEFT	0	0	1
	12G	93 7/16 in / 2374 mm FM 8' EXTENSION RIGHT	0	0	1
	14 / AFS-68	11 3/16" / 300 mm 609 CONNECTOR ALLEN FLANGED SCREW 6x8	4 / 17	4 / 17	4 / 17
	C14 / C15	FM BASE CORNER GUARD	2 / 2	0	0
	1C	100MM CORNER PIECE FOR ALIGNMENT	4	0	0
	AFS-612 / SQ-NUT-6	BOLT AND NUT COMBO FOR 1C CORNER PIECE	16 / 16	0	0

SUMMIT STEEL BASE KIT PARTS LIST (FOR EARTH INSTALLATIONS)

GRAPHIC	PART NAME	PART NAME	SIZE/LOCATION	12X8 QTY	4X QTY	8X QTY
		BA-4X	46 3/4" / 1187mm 4' EXTENSION BASE PIECE	0	2	0
R  front view		BA-6-RIGHT	72" / 1829 mm 6' FRONT RIGHT BASE KIT PIECE	2	0	0
L  front view		BA-6-LEFT	72" / 1829 mm 6' FRONT LEFT BASE KIT PIECE	2	0	0
		BA-8	94 1/4" / 2394 mm 8' BASE KIT PIECE	2	0	0
		BA-8X	93 7/16" / 2374 mm 8' EXTENSION BASE PIECE	0	0	2
		CB-610 / ML01	CARRIAGE BOLT 6*10 FLANGED NUT	52 / 52	20 / 20	20 / 20
		BA-MID-BR	MID BRACKET FOR BASE 5 7/16 in / 138 mm	2	2	2
		BA-CORNER-BR	END BRACKET FOR BASE 3 15/16 in / 100 mm	4	0	0
		BA-A1	12" EARTH ANCHOR	12	2	4
		BA-S10	1/2 x 3/4	2	2	2

GRANDIO SUMMIT 12x8 DIMENSIONS

12x8 Grandio Summit with Flat Mount Base Kit

* The Flat Mount Base is included in each Summit Greenhouse Kit and is designed to be installed on a wooden deck or concrete slab.

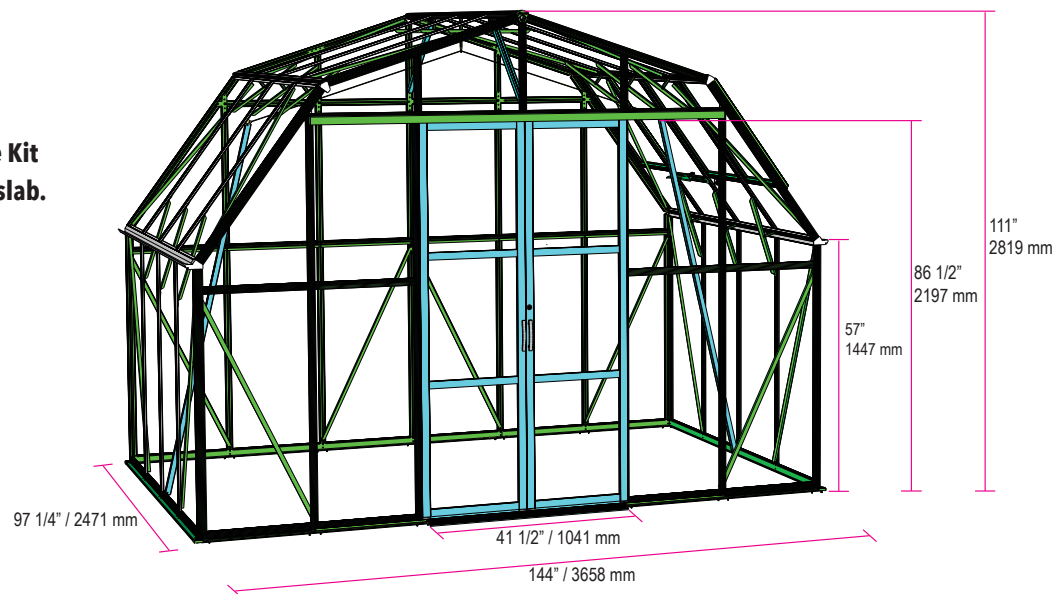
Exterior Dimensions: 144" W x 97.25" L

Interior Dimensions: 141.25" W x 94.25" L

Door Dimensions: 41.5" W x 85.25" H

Bottom Side of Gutter Height: 57" H

Peak Roof Height: 111" H



12x8 Grandio Summit with Steel Base Kit Dimensions

*The Steel Base Kit is sold separately from the Summit Greenhouse Kit and is designed to be installed directly into the Earth using the included L-Bolts which must be secured into Quikrete® or a similar concrete material.

The Flat Mount Base Kit will attach on top of the Steel Base Kit.

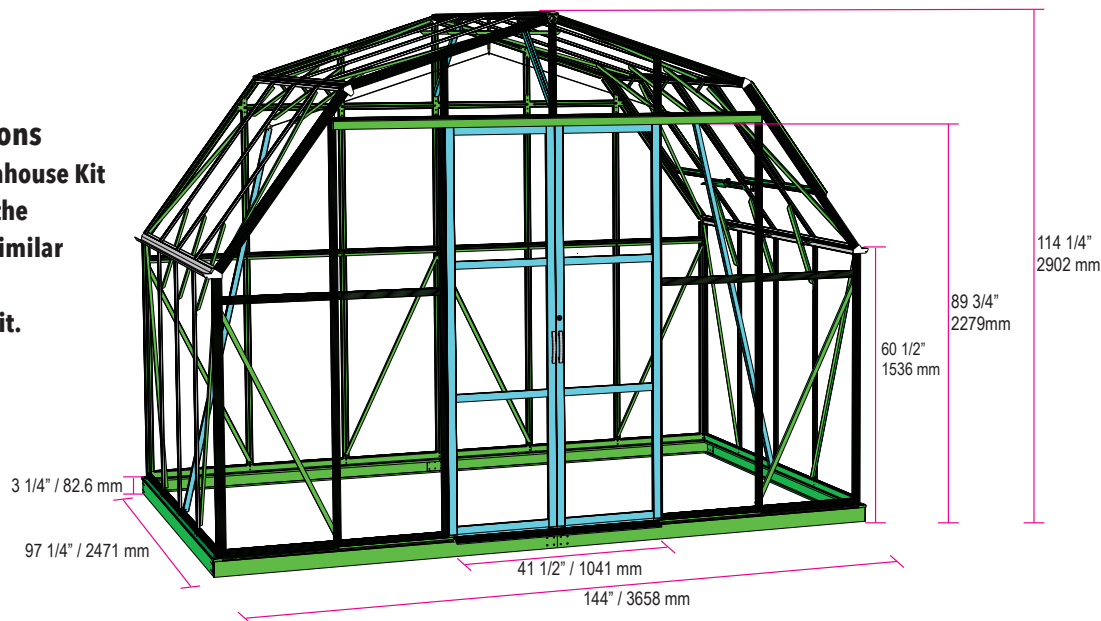
Exterior Dimensions: 144" W x 97.25" L

Interior Dimensions: 141.25" W x 94.25" L

Door Dimensions: 41.5" W x 85.25" H

Bottom Side of Gutter Height: 60.5" H

Peak Roof Height: 114.25" H

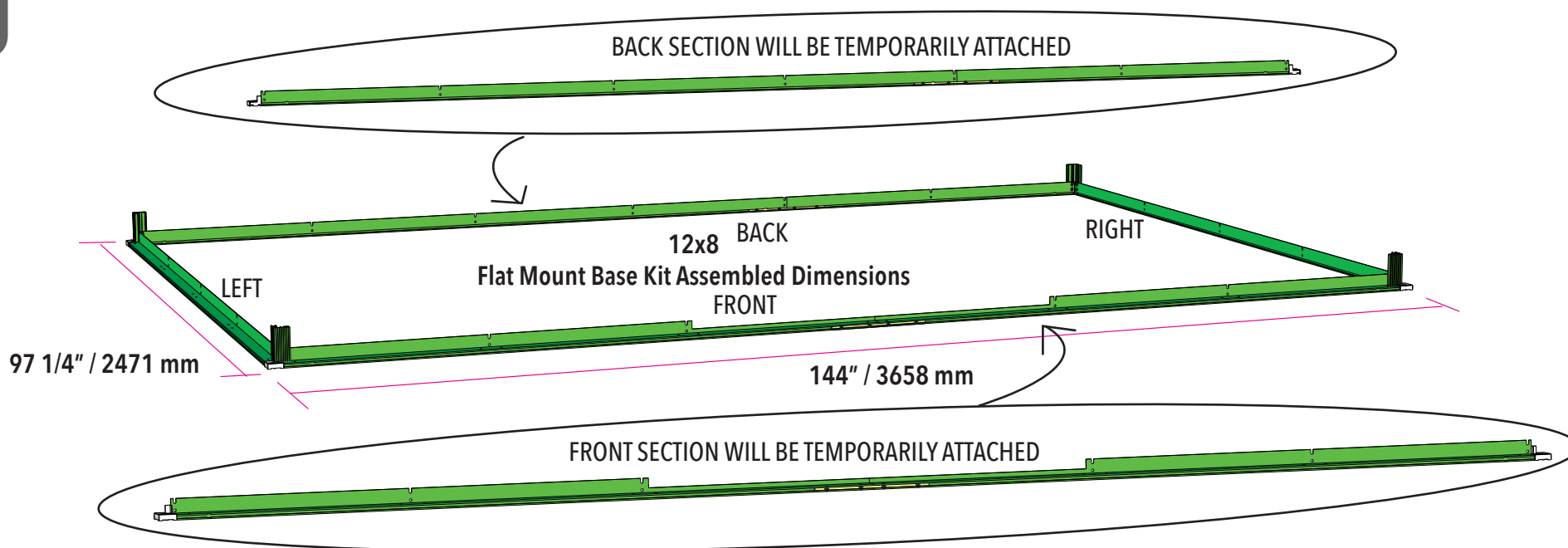


GRANDIO SUMMIT 12x8 FLAT MOUNT BASE ASSEMBLY

* The Flat Mount Base is included in each Summit Greenhouse Kit. The Flat Mount Base is designed to be installed on a wooden deck or concrete slab type surface. If you are using a Steel Base Kit for installing into the earth you will follow these instructions to assemble the Flat Mount section, but will then attach the Flat Mount Kit onto your Steel Base Kit.

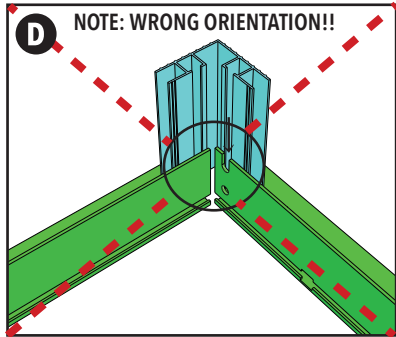
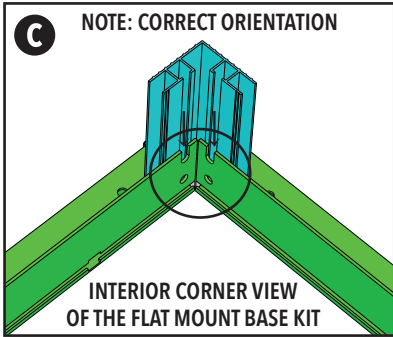
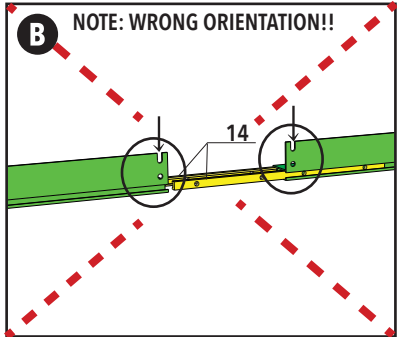
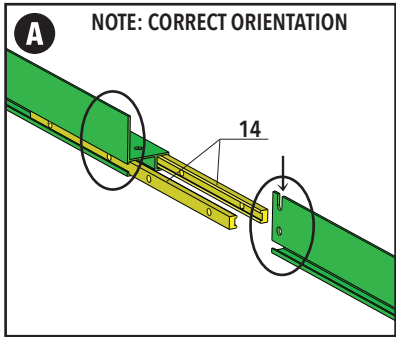
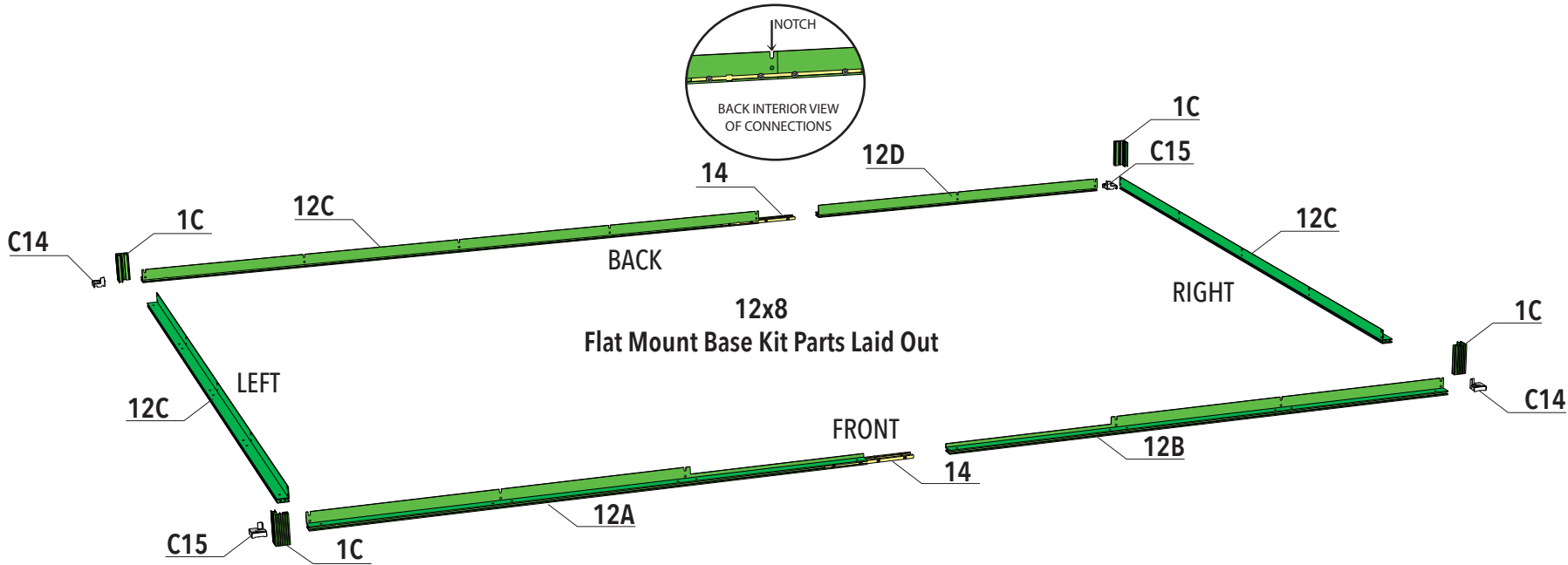
The Flat Mount Kit will be assembled as shown in this section, then secured to the surface of your choice using the proper anchoring hardware.

You will drill all holes into your surface for the entire base kit and temporarily affix into place, you will need to remove the front and back sections in order to build your front and back walls as will be shown in the Summit Greenhouse Assembly Manual 2.



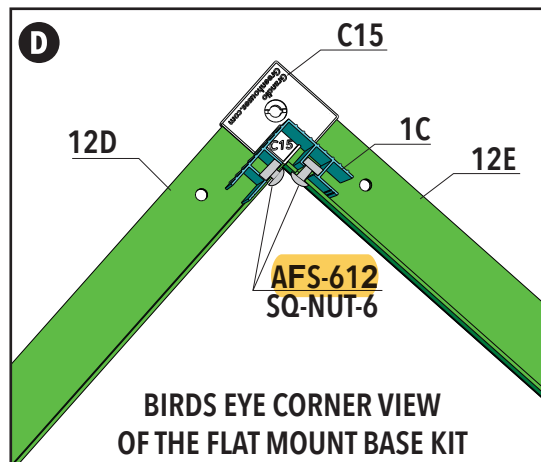
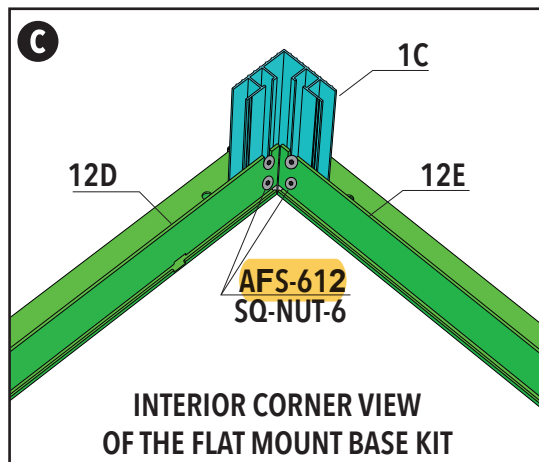
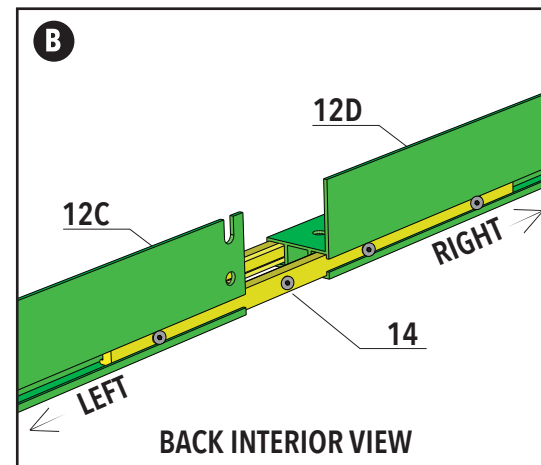
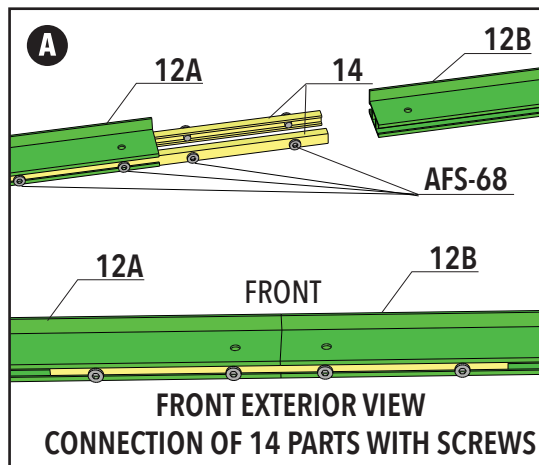
GRANDIO SUMMIT 12x8 FLAT MOUNT BASE ASSEMBLY

1. Lay out all of the parts exactly as shown in the diagram below. Confirm that the front is where you want your doors to be located. Be sure the pieces are laid out exactly like the diagram, note that notches will have a 23" gap between each other, no notches should be right next to each other except at the corners. See **A** , **B** , **C** and **D** to confirm you have the correct orientation prior to assembly.



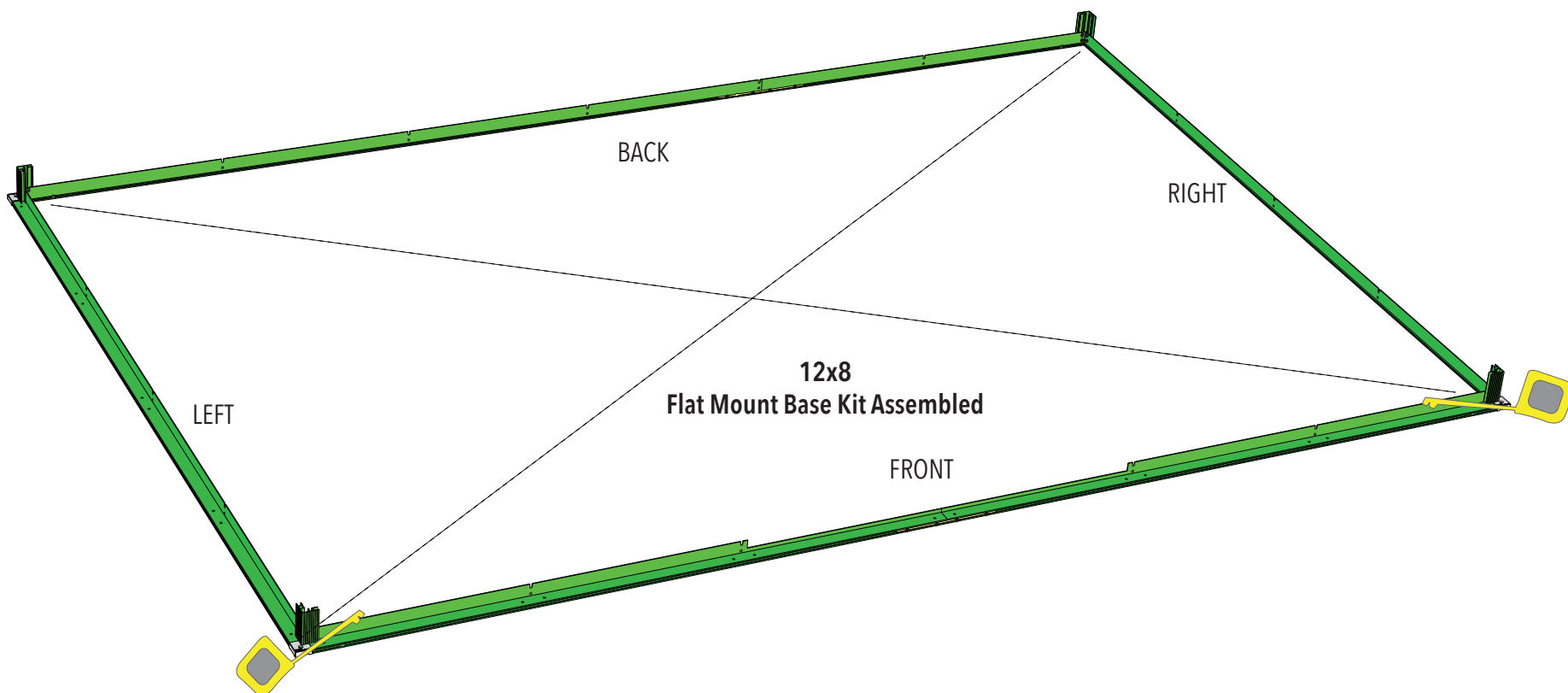
GRANDIO SUMMIT 12x8 FLAT MOUNT BASE ASSEMBLY

2. Connect the FRONT 12A and 12B pieces using the 14's and the AFS-68 screws. See diagram **A**.
3. Connect the BACK section 12C and 12D using the 14's and the AFS-68 screws. See diagram **B**.
4. Assemble the base kit as shown using the AFS-612 screws with the SQ-NUT-6 nuts at the 1C corners. See diagrams **C** and **D**.



GRANDIO SUMMIT 12x8 FLAT MOUNT BASE INSTALLATION

1. Square and Level your Flat Mount Base Kit to your Concrete or Wooden surface or pad.
 2. Measure corner to corner and confirm square. Use the appropriate anchoring fastener that was chosen at the time of purchase. Reference the instructions that come with your anchoring kit. Drill the holes into your surface, blow out the debris, then install the screws. Keep the Left side (12C) and the Right side (12C) in place with the anchors installed and tightened into place.
 3. You will need to remove the Front and Back Flat Mount Base sections in order to build the Front and Back walls, as the base pieces will be used for the bottom edge of the Front and Back walls. You will re-attach the base pieces into place once the Front and Back walls are built.
- *Discard the 1C spacers after the anchors have been installed.

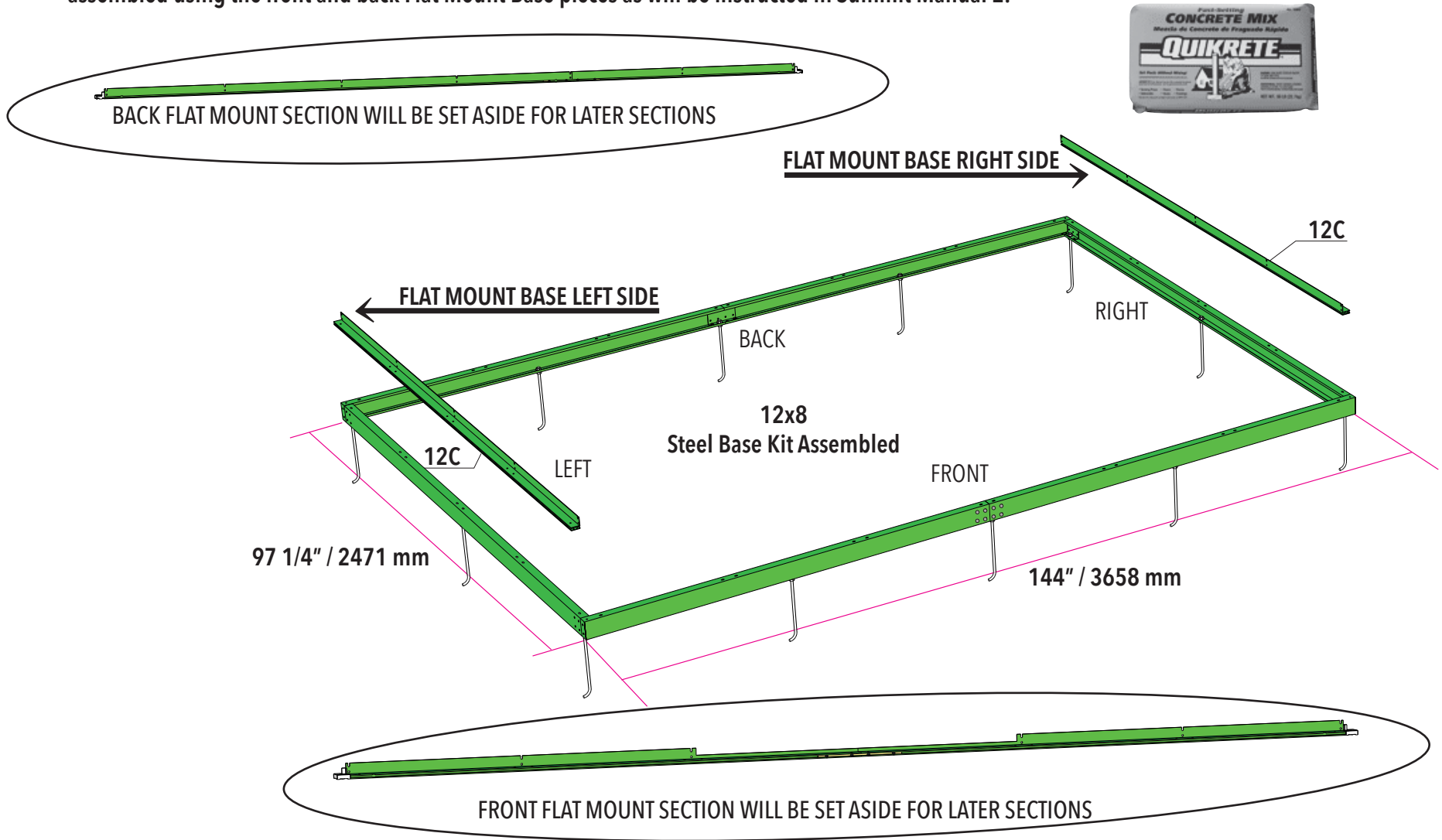


GRANDIO SUMMIT 12x8 STEEL EARTH BASE KIT DIMENSIONS

12x8 Grandio Summit with Steel Base Kit Dimensions

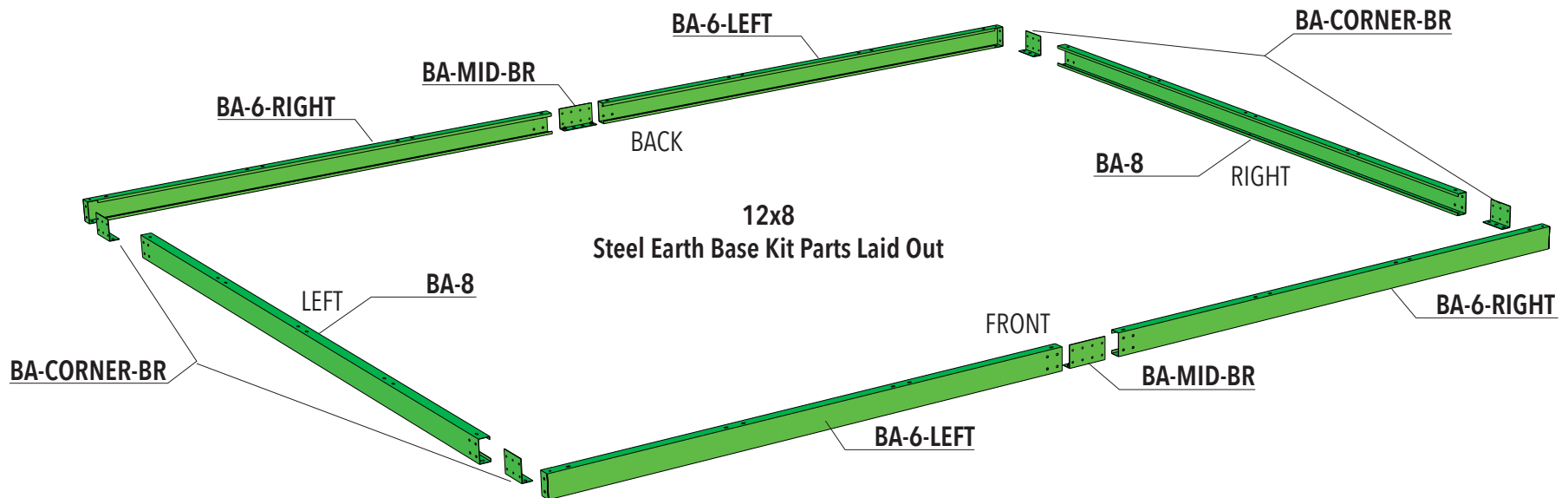
*The Steel Base Kit is sold separately from the Summit Greenhouse Kit and is to be installed directly into the Earth using the included L-Bolts which must be secured with Quikrete® or a similar concrete material. NOTE: concrete is not included, purchase at a local hardware store.

The side sections of the Flat Mount Base Kit will attach on top of the Steel Base Kit prior to earth install, the front and back walls must be assembled using the front and back Flat Mount Base pieces as will be instructed in Summit Manual 2.



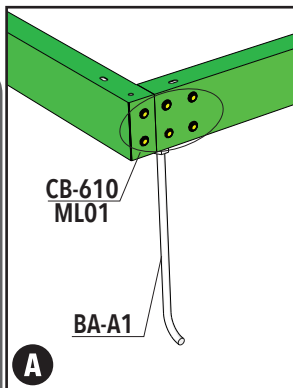
GRANDIO SUMMIT 12x8 STEEL BASE KIT ASSEMBLY

1. Lay out all the parts for your Steel Base Kit exactly as shown in the diagram below, failure to assemble exactly as shown will cause problems later in assembly.
2. Confirm that the small oval holes are all on the top side of the base kit, and the large round holes for the BA-A1 and BA-S10 bolts are facing downward for correct assembly. See the small diagrams on the next page for correct installation and orientation.

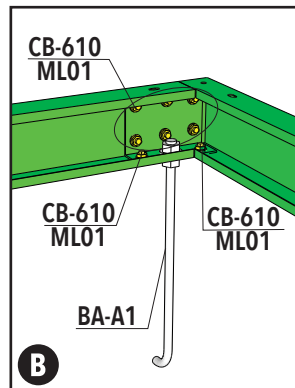


GRANDIO SUMMIT 12x8 STEEL BASE KIT ASSEMBLY

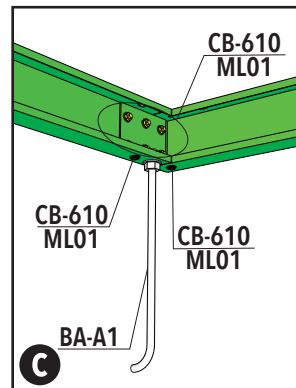
- Use the CB-610 bolts with the ML01 nuts to assemble the steel base kit as shown in diagrams **A** , **B** , **C** , **D** , **E** , and **F** , at the bottom of this page. Note the CB-610's will be on the outside and the ML01 nut will be on the inside.
- Install the BA-A1 and BA-S10 bolts into the large circular holes on the bottom side of the base kit, as is shown in the diagrams below. You may choose to place the BA-A1 and BA-S10 in opposite holes of what are shown in diagram **D** , **E** , and **F** .



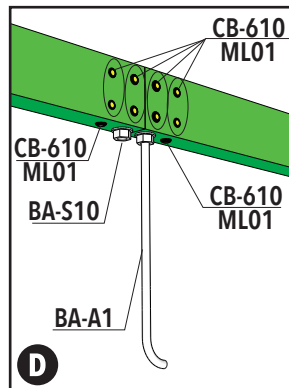
A CORNER OUTSIDE VIEW



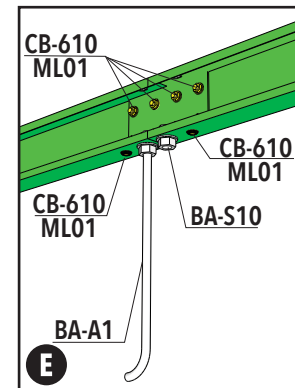
B CORNER INSIDE VIEW



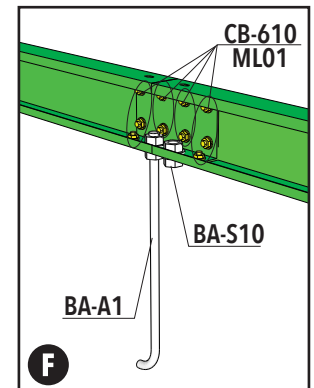
C CORNER INSIDE VIEW



D MIDDLE OUTSIDE VIEW



E MIDDLE INSIDE VIEW

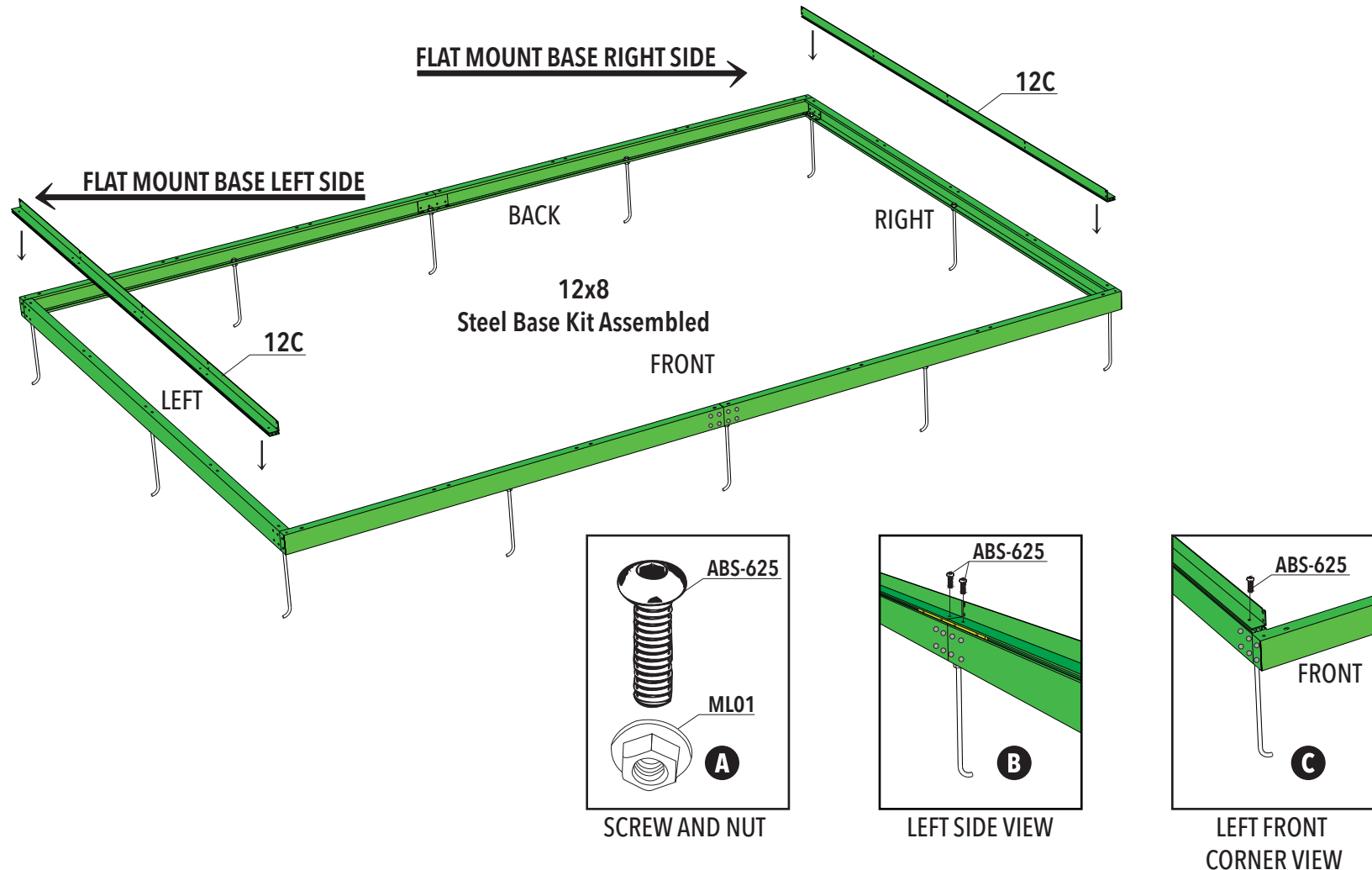


F MIDDLE INSIDE VIEW

GRANDIO SUMMIT 12x8 ATTACHING THE FLAT MOUNT BASE TO THE STEEL BASE KIT FOR EARTH INSTALLATION

1. Attach the side Flat Mount Base pieces to the Steel Base Kit as shown below using the ABS-625 screws with the ML01 nuts. See **A**, **B**, and **C**. Tighten the hardware using the (W16) 10 mm Wrench and (W17) Allen Driver.

* Set aside the Front and Back sections of the Flat Mount Base, these sections will be required to assemble the front and back walls in Manual 2.

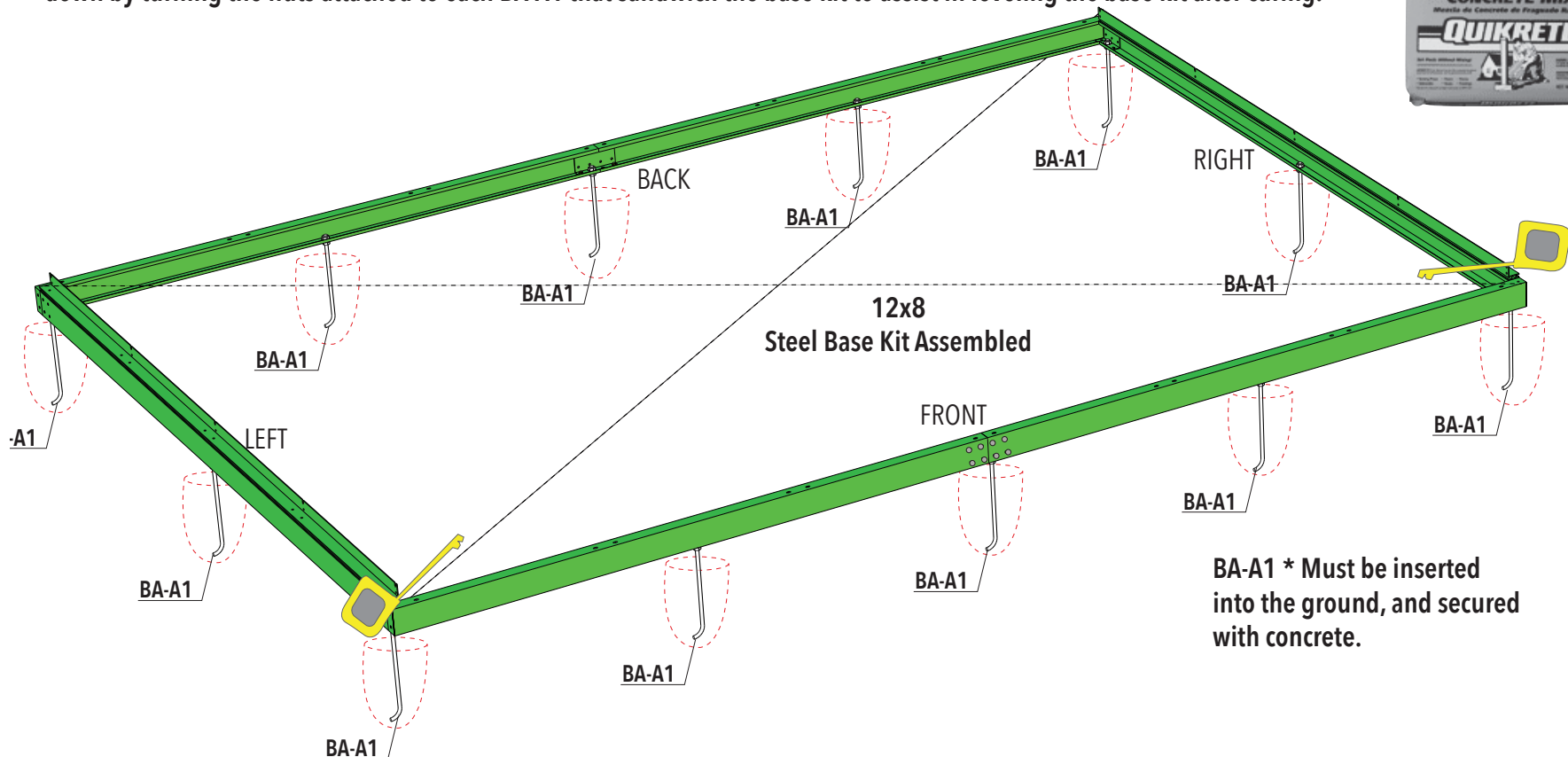


GRANDIO 12x8 SUMMIT STEEL BASE KIT EARTH INSTALLATION

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

WARNING: BASE KIT MUST BE LEVEL AND SQUARE, AN UNLEVEL BASE WILL AFFECT THE INTEGRITY OF YOUR GREENHOUSE.

1. Align the Steel Base Kit to your desired location. Measure corner to corner to confirm square, check that all sides are level, then mark the ground where the BA-A1 L-Bolts will reside with a marking paint. You will then move base aside in order to dig out the holes.
2. Dig out the holes for the BA-A1 anchors, then confirm the base is square and level again with the base kit moved back into place and BA-A1's in their respective holes. Check with your local building code for depth requirements.
3. We recommend you use a concrete mix such as Quikrete® fast setting concrete to secure the BA-A1 L-Bolts into place.
4. Follow the directions on your concrete mix. Confirm as the mix sets that the base is level and square. The BA-A1 L-Bolts may be adjusted up or down by turning the nuts attached to each BA-A1 that sandwich the base kit to assist in leveling the base kit after curing.



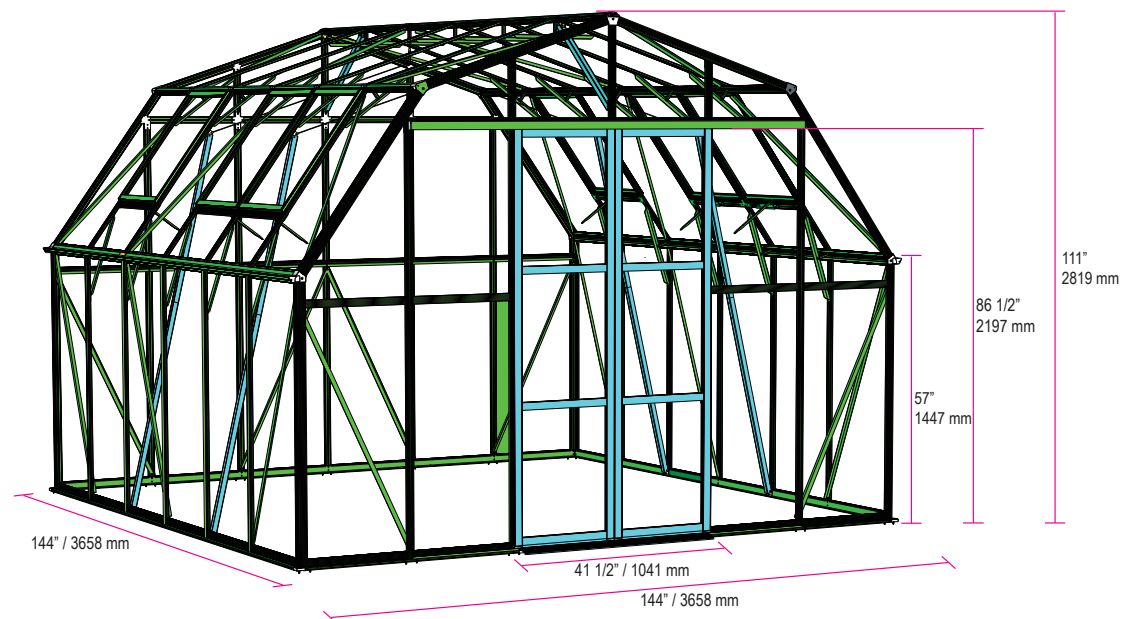
**BA-A1 * Must be inserted
into the ground, and secured
with concrete.**

GRANDIO SUMMIT 12x12 DIMENSIONS

12x12 Grandio Summit with Flat Mount Base Kit

* The Flat Mount Base is included in each Summit Greenhouse Kit and is designed to be installed on a wooden deck or concrete slab.

Exterior Dimensions: 144" W x 144" L
 Interior Dimensions: 141.25" W x 141.25" L
 Door Dimensions: 41.5" W x 85.25" H
 Bottom Side of Gutter Height: 57" H
 Peak Roof Height: 111" H

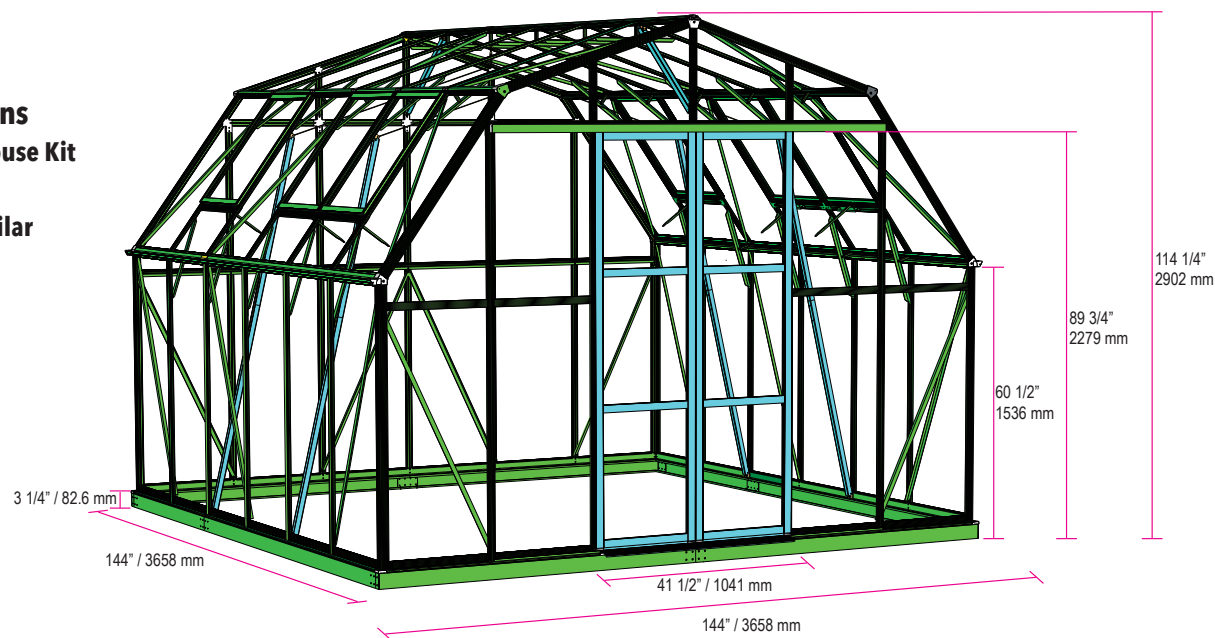


12x12 Grandio Summit with Steel Base Kit Dimensions

*The Steel Base Kit is sold separately from the Summit Greenhouse Kit and is designed to be installed directly into the Earth using the included L-Bolts which must be secured into Quikrete® or a similar concrete material.

The Flat Mount Base Kit will attach on top of the Steel Base Kit.

Exterior Dimensions: 144" W x 144" L
 Interior Dimensions: 141.25" W x 141.25" L
 Door Dimensions: 41.5" W x 85.25" H
 Bottom Side of Gutter Height: 60.5" H
 Peak Roof Height: 114.25" H

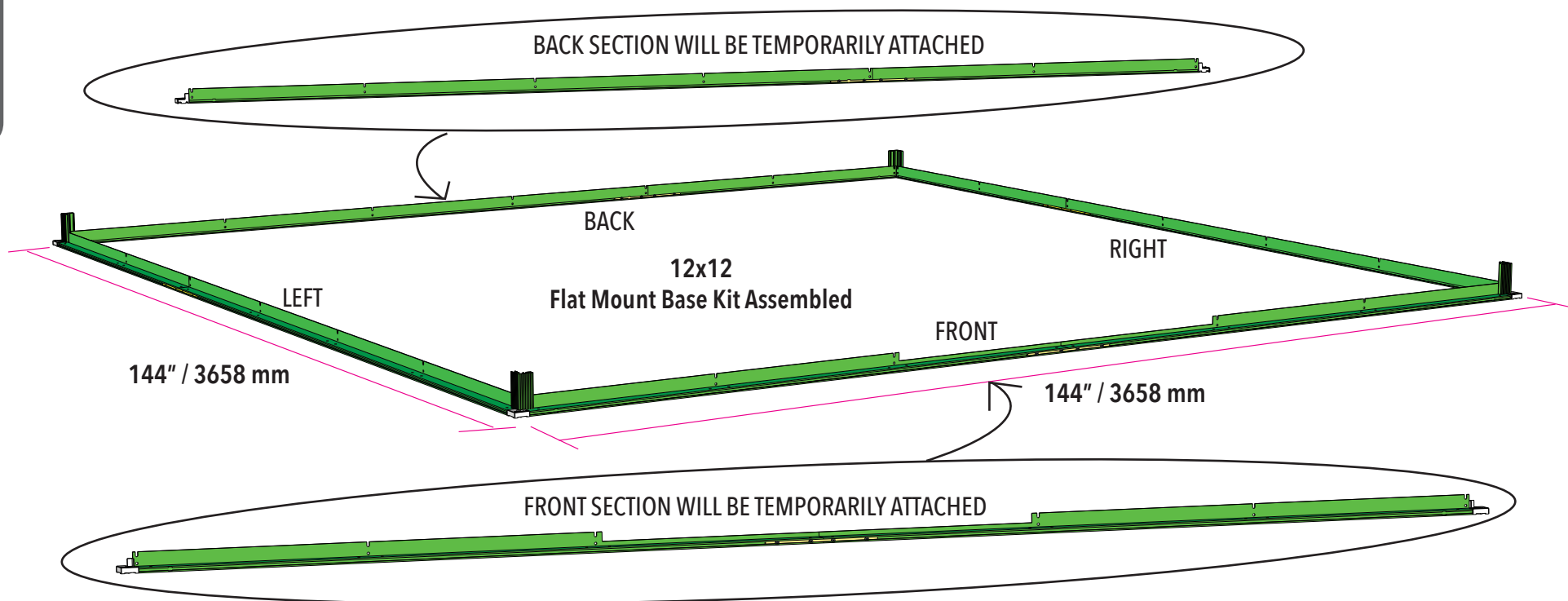


GRANDIO SUMMIT 12x12 FLAT MOUNT BASE ASSEMBLY

* The Flat Mount Base is included in each Summit Greenhouse Kit. The Flat Mount Base is designed to be installed on a wooden deck or concrete slab type surface. If you are using a Steel Base Kit for installing into the earth you will follow these instructions to assemble the Flat Mount section, but will then attach the Flat Mount Kit onto your Steel Base Kit.

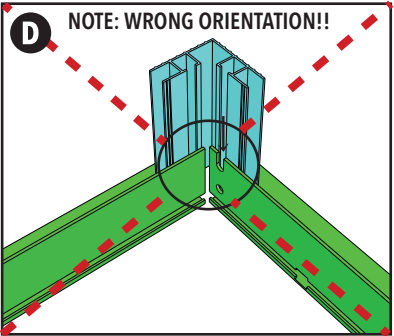
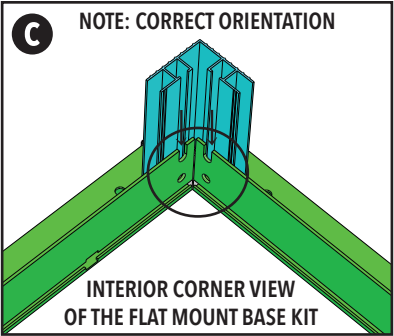
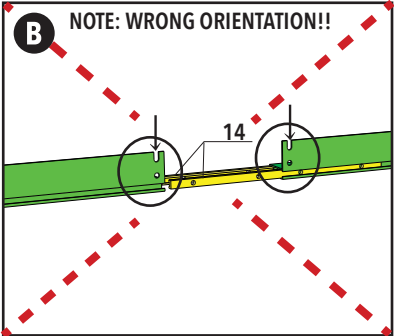
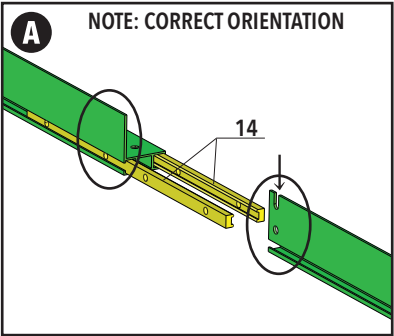
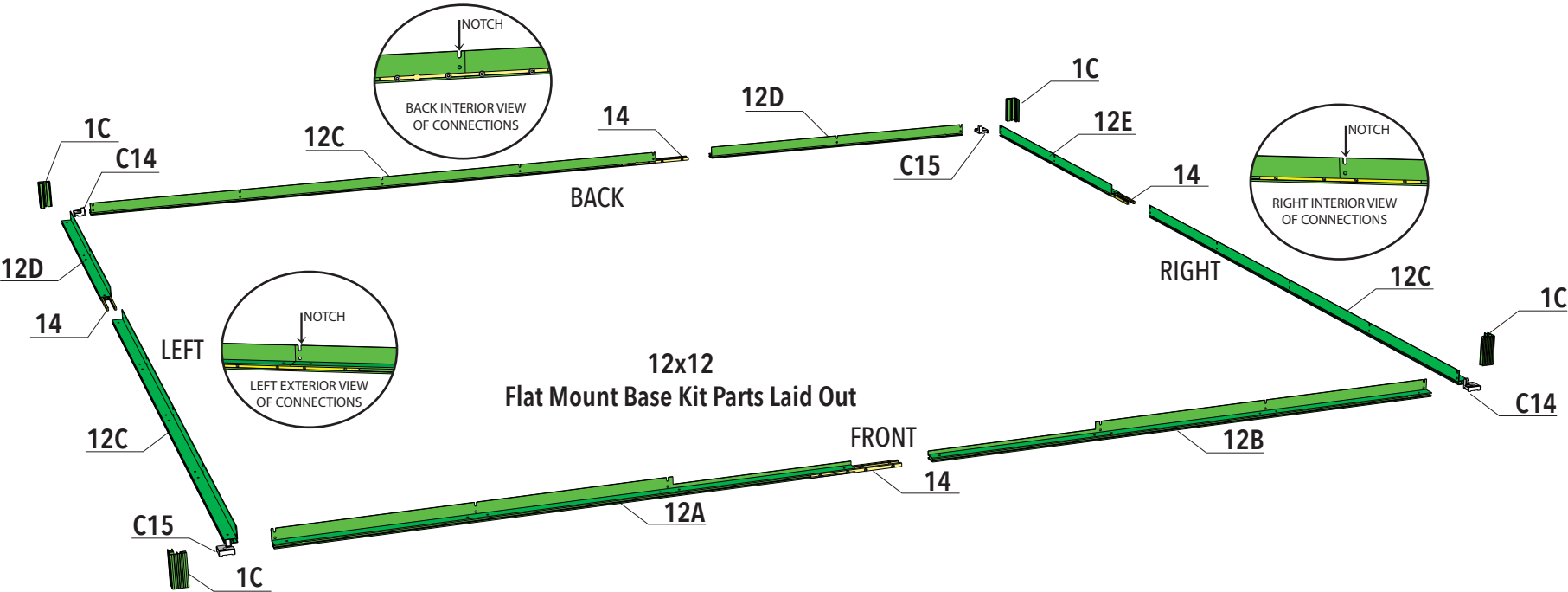
The Flat Mount Kit will be assembled as shown in this section, then secured to the surface of your choice using the proper anchoring hardware.

You will drill all holes into your surface for the entire base kit and temporarily affix into place, you will need to remove the front and back sections in order to build your front and back walls as will be shown in the Summit Greenhouse Assembly Manual 2.



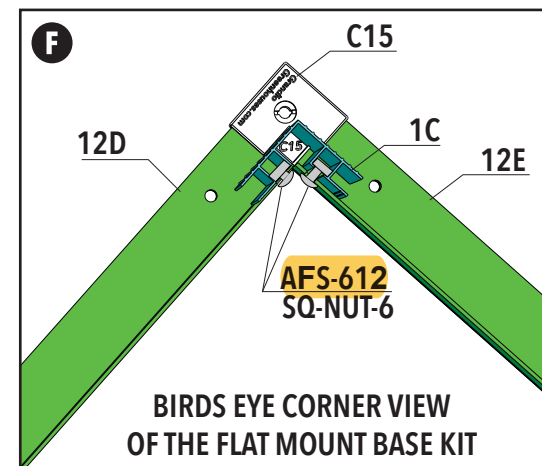
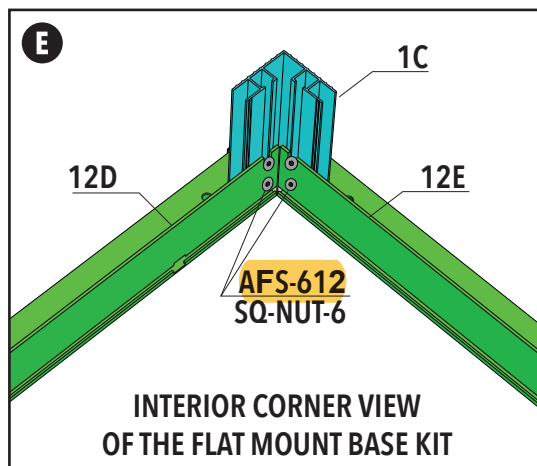
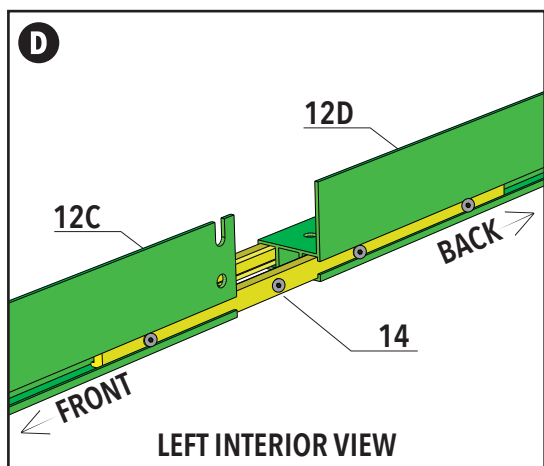
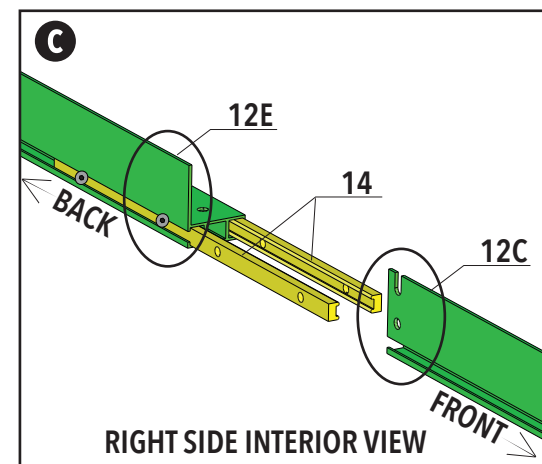
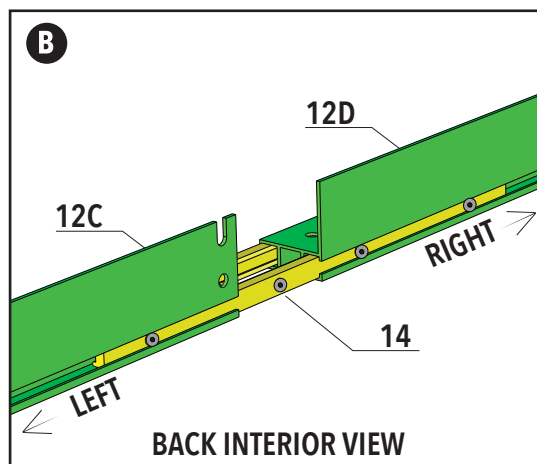
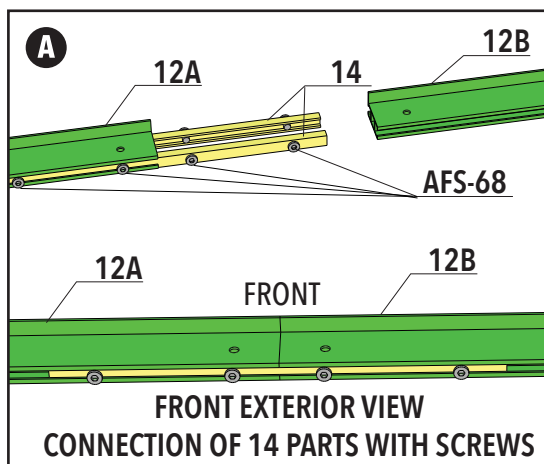
GRANDIO SUMMIT 12x12 FLAT MOUNT BASE ASSEMBLY

1. Lay out all of the parts exactly as shown in the diagram below. Confirm that the front is where you want your doors to be located. Be sure the pieces are laid out exactly like the diagram, note that notches will have a 23" gap between each other, no notches should be right next to each other except at the corners. See **A** , **B** , **C** and **D** to confirm you have the correct orientation prior to assembly.



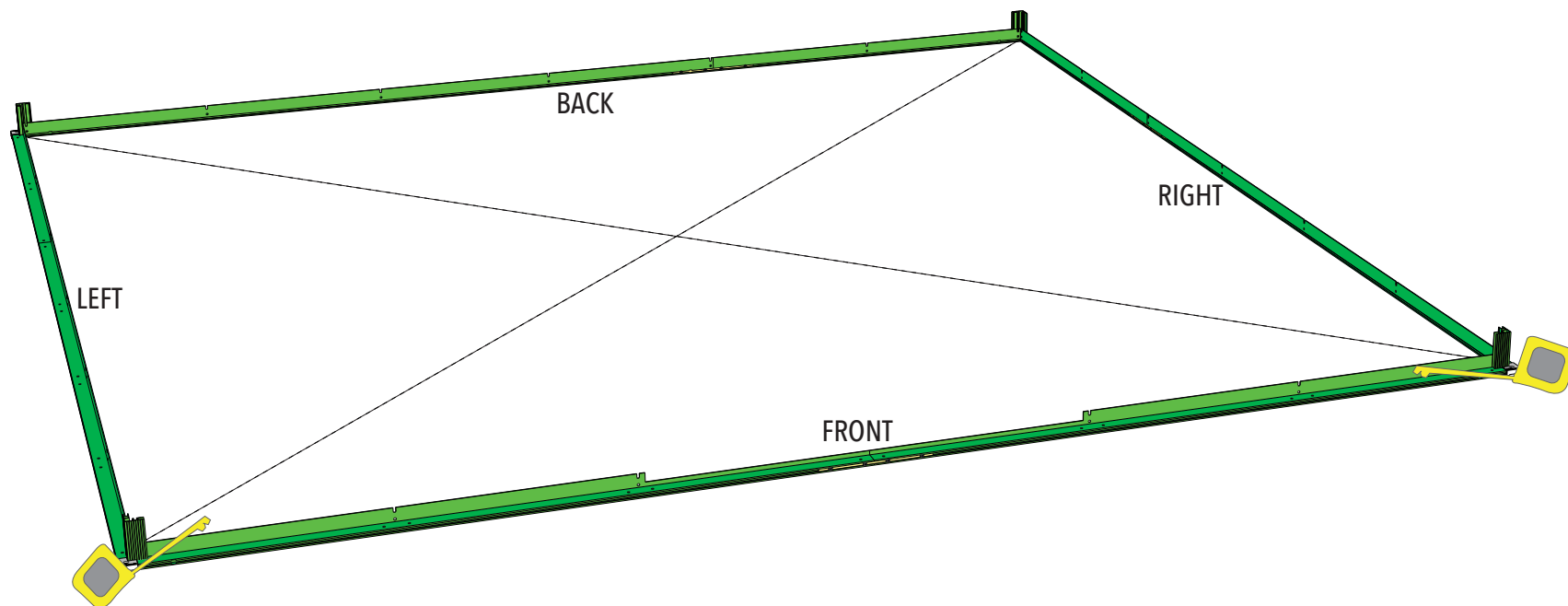
GRANDIO SUMMIT 12x12 FLAT MOUNT BASE ASSEMBLY

2. Connect the FRONT 12A and 12B pieces using the 14's and the AFS-68 screws. See diagram **A**.
3. Connect the BACK section 12C and 12D using the 14's and the AFS-68 screws. See diagram **B**.
4. Connect the RIGHT side 12C with the 12E using the 14's and the AFS-68 screws, see diagram **C**.
- *REFER TO LAYOUT DIAGRAM ON PREVIOUS PAGE AS NEEDED.
5. Connect the LEFT side 12C with the 12D using the 14's and the AFS-68 screws, see diagram **D**.
6. Assemble the base kit as shown using the AFS-612 screws with the SQ-NUT-6 nuts at the 1C corners. See diagrams **E** and **F**.



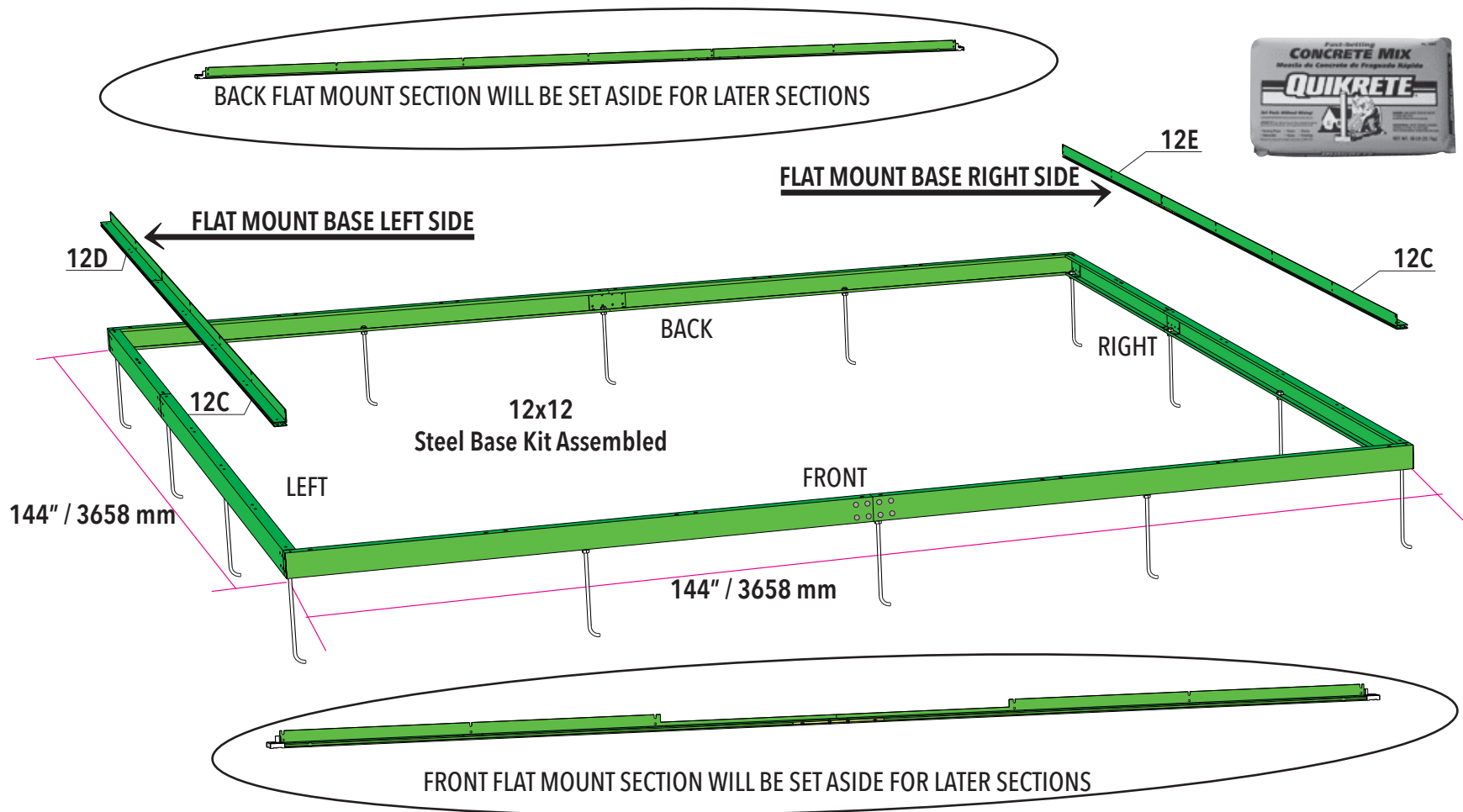
GRANDIO SUMMIT 12x12 FLAT MOUNT BASE INSTALLATION

1. Square and Level your Flat Mount Base Kit to your Concrete or Wooden surface or pad.
 2. Measure corner to corner and confirm square. Use the appropriate anchoring fastener that was chosen at the time of purchase. Reference the instructions that come with your anchoring kit. Drill the holes into your surface, blow out the debris, then install the screws. Keep the Left side (12C and 12D) and the Right side (12C and 12E) in place with the anchors installed and tightened into place.
 3. You will need to remove the Front and Back Flat Mount Base sections in order to build the Front and Back walls, as the base pieces will be used for the bottom edge of the Front and Back walls. You will re-attach the base pieces into place once the Front and Back walls are built.
- *Discard the 1C spacers after the anchors have been installed.



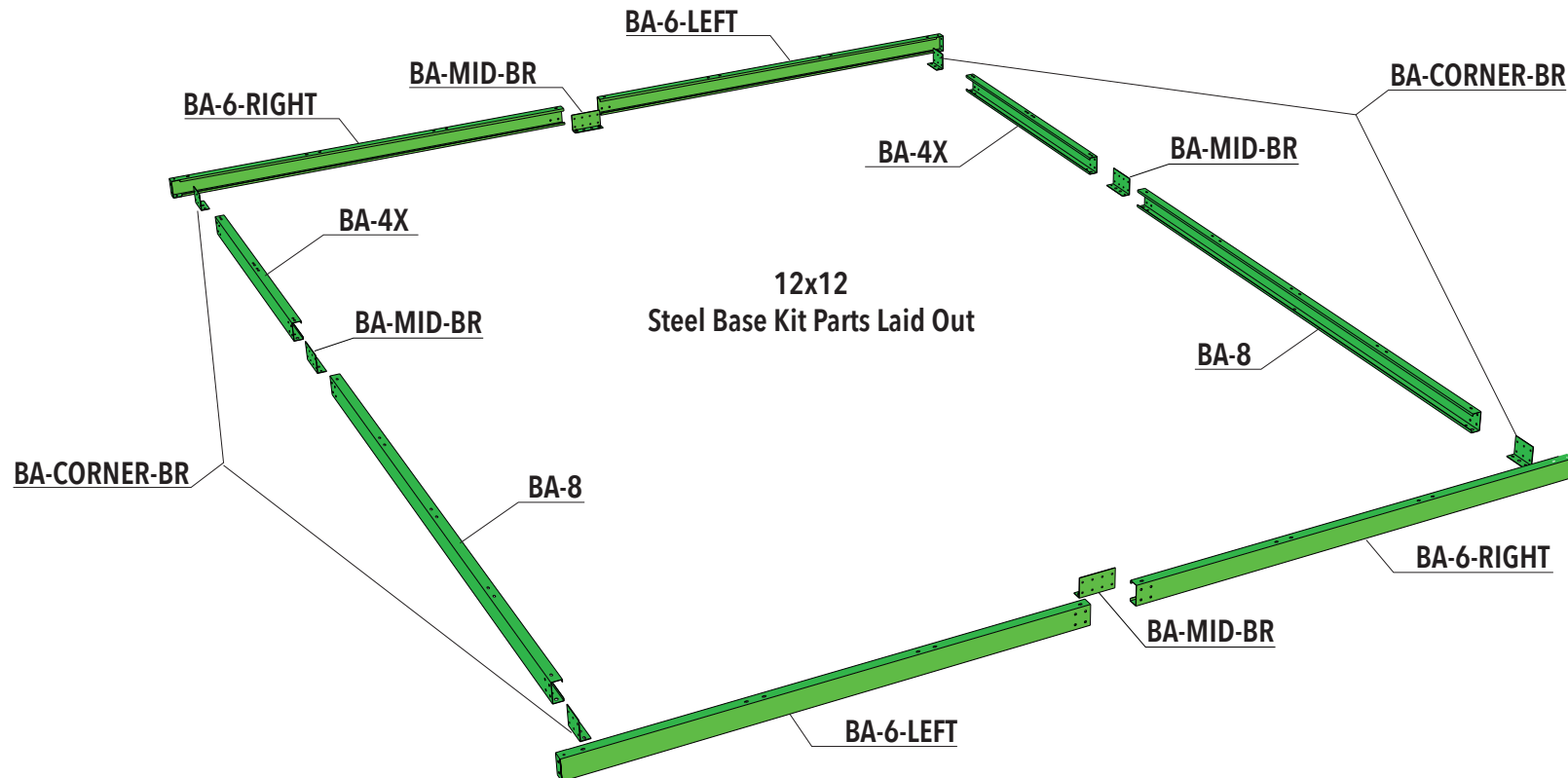
12X12 STEEL EARTH BASE

The side sections of the Flat Mount Base Kit will attach on top of the Steel Base Kit prior to earth install, the front and back walls must be assembled using the front and back Flat Mount Base pieces as will be instructed in Summit Manual 2.



GRANDIO SUMMIT 12x12 STEEL BASE KIT ASSEMBLY

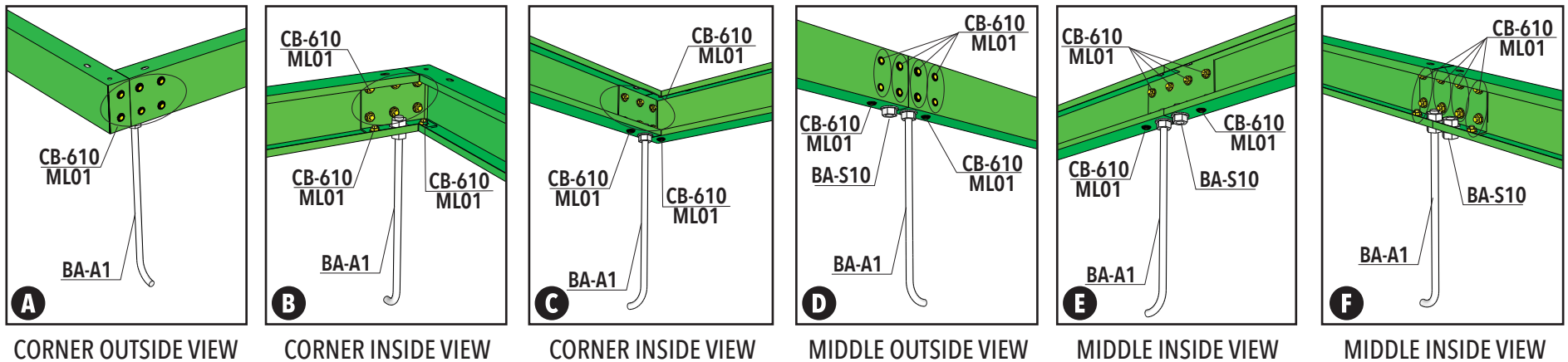
1. Lay out all the parts for your Steel Base Kit exactly as shown in the diagram below, failure to assemble exactly as shown will cause problems later in assembly.
2. Confirm that the small oval holes are all on the top side of the base kit, and the large round holes for the BA-A1 and BA-S10 bolts are facing downward for correct assembly. See the small diagrams on the next page for correct installation and orientation.



GRANDIO SUMMIT 12x12 STEEL BASE KIT ASSEMBLY

3. Use the CB-610 bolts with the ML01 nuts to assemble the steel base kit as shown in diagrams **A** , **B** , **C** , **D** , **E** , and **F** , at the bottom of this page. Note the CB-610's will be on the outside and the ML01 nut will be on the inside.

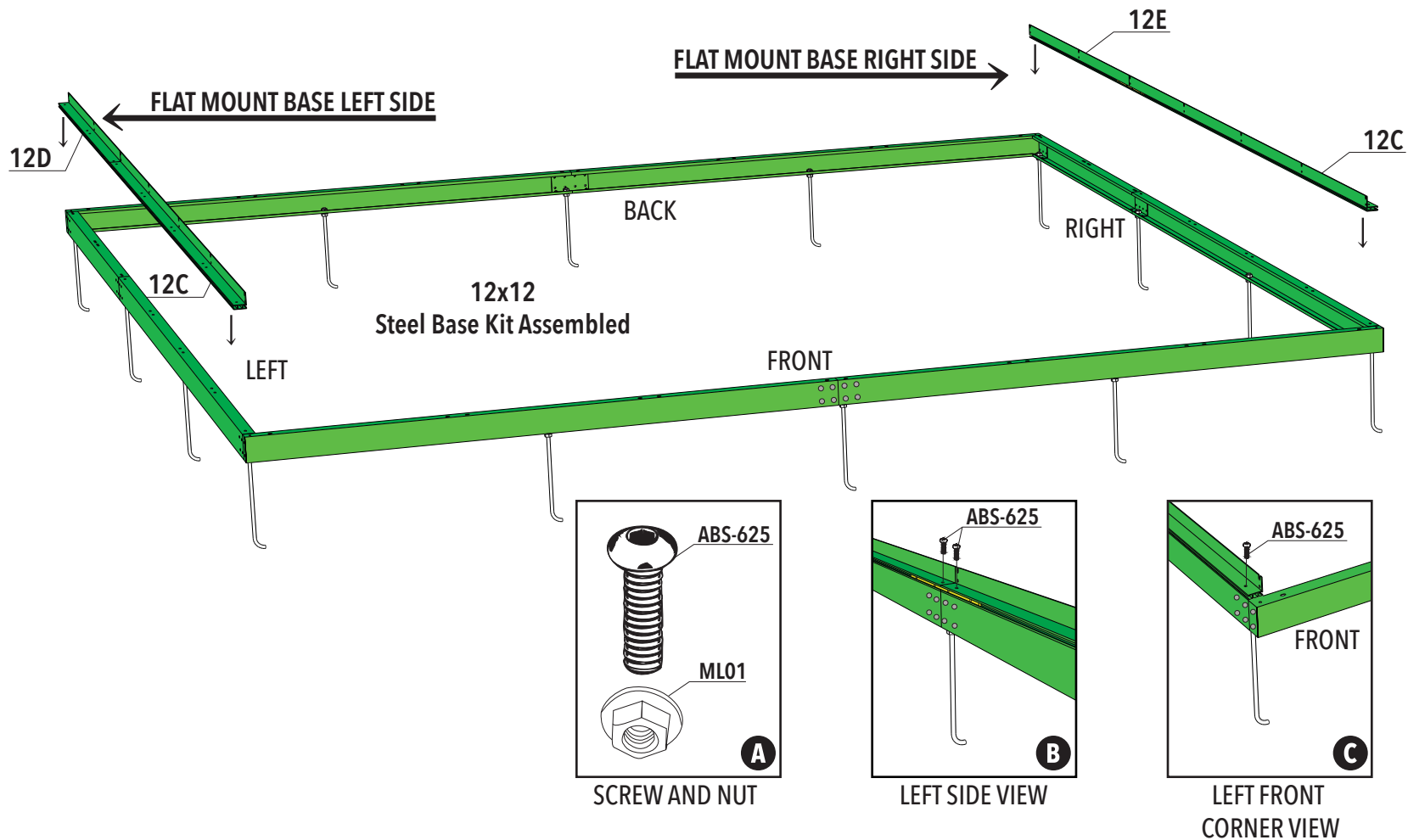
4. Install the BA-A1 and BA-S10 bolts into the large circular holes on the bottom side of the base kit, as is shown in the diagrams below. You may choose to place the BA-A1 and BA-S10 in opposite holes of what are shown in diagram **D** , **E** , and **F** .



GRANDIO SUMMIT 12x12 ATTACHING THE FLAT MOUNT BASE TO THE STEEL BASE KIT FOR EARTH INSTALLATION

1. Attach the side Flat Mount Base pieces to the Steel Base Kit as shown below using the ABS-625 screws with the ML01 nuts. See **A**, **B**, and **C**. Tighten the hardware using the (W16) 10 mm Wrench and (W17) Allen Driver.

* Set aside the Front and Back sections of the Flat Mount Base, these sections will be required to assemble the front and back walls in Manual 2.

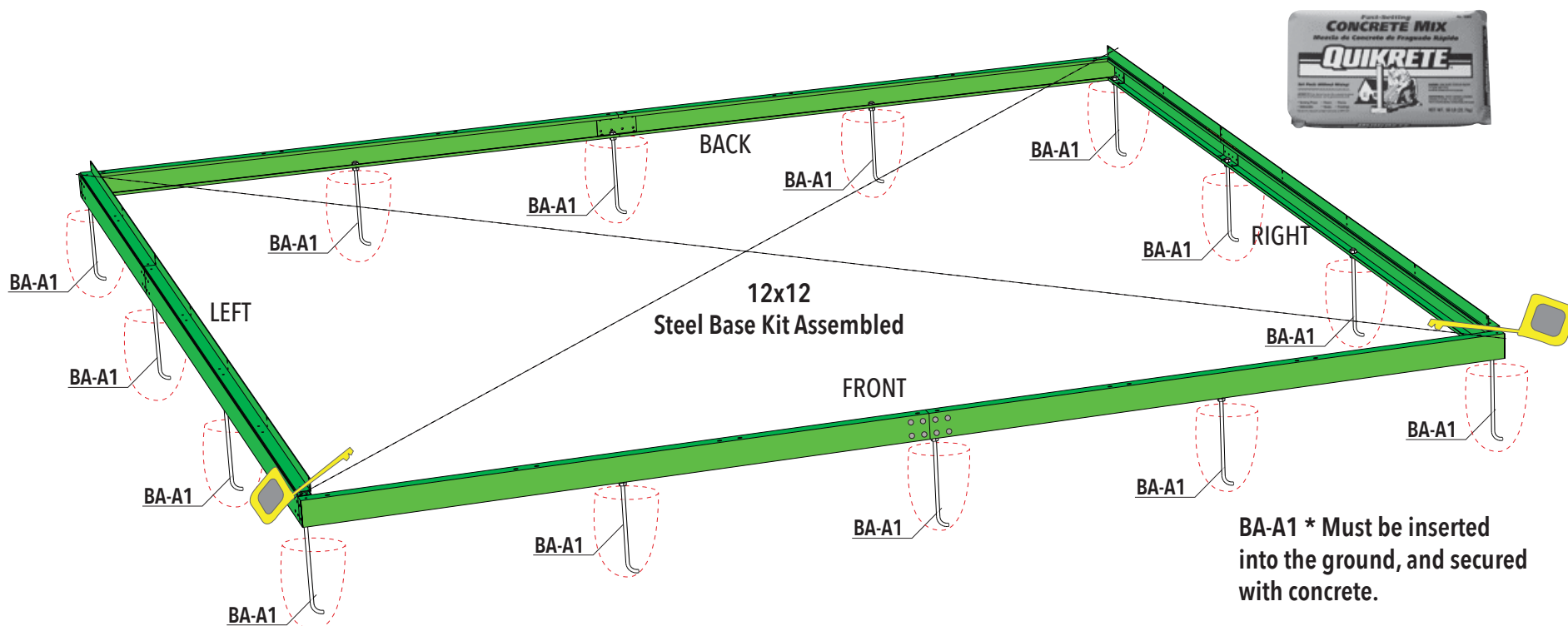


GRANDIO 12x12 SUMMIT STEEL BASE KIT EARTH INSTALLATION

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

WARNING: BASE KIT MUST BE LEVEL AND SQUARE, AN UNLEVEL BASE WILL AFFECT THE INTEGRITY OF YOUR GREENHOUSE.

1. Align the Steel Base Kit to your desired location. Measure corner to corner to confirm square, check that all sides are level, then mark the ground where the BA-A1 L-Bolts will reside with a marking paint. You will then move base aside in order to dig out the holes.
2. Dig out the holes for the BA-A1 anchors, then confirm the base is square and level again with the base kit moved back into place and BA-A1's in their respective holes. Check with your local building code for depth requirements.
3. We recommend you use a concrete mix such as Quikrete® fast setting concrete to secure the BA-A1 L-Bolts into place.
4. Follow the directions on your concrete mix. Confirm as the mix sets that the base is level and square. The BA-A1 L-Bolts may be adjusted up or down by turning the nuts attached to each BA-A1 that sandwich the base kit to assist in leveling the base kit after curing.



GRANDIO SUMMIT 12x16 DIMENSIONS

12x16 Grandio Summit with Flat Mount Base Kit

* The Flat Mount Base is included in each Summit Greenhouse Kit, and is designed to be installed on a wooden deck or concrete slab.

The Flat Mount Base Kit will attach on top of the Steel Base Kit.

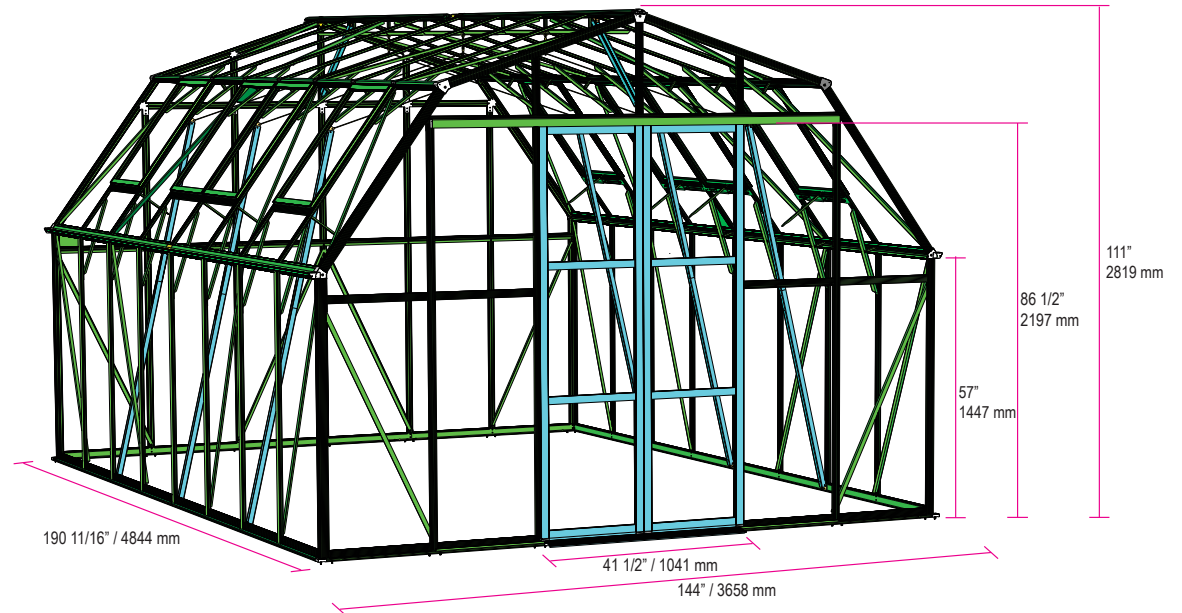
Exterior Dimensions: 144" W x 190 11/16" L

Interior Dimensions: 141.25" W x 187 13/16" L

Door Dimensions: 41.5" W x 85.25" H

Bottom Side of Gutter Height: 57" H

Peak Roof Height: 111" H



12x16 Grandio Summit with Steel Base Kit Dimensions

*The Steel Base Kit is sold separately from the Summit Greenhouse Kit and is designed to be installed directly into the Earth using the included L-Bolts which must be secured into Quikrete® or a similar concrete material.

The Flat Mount Base Kit will attach on top of the Steel Base Kit.

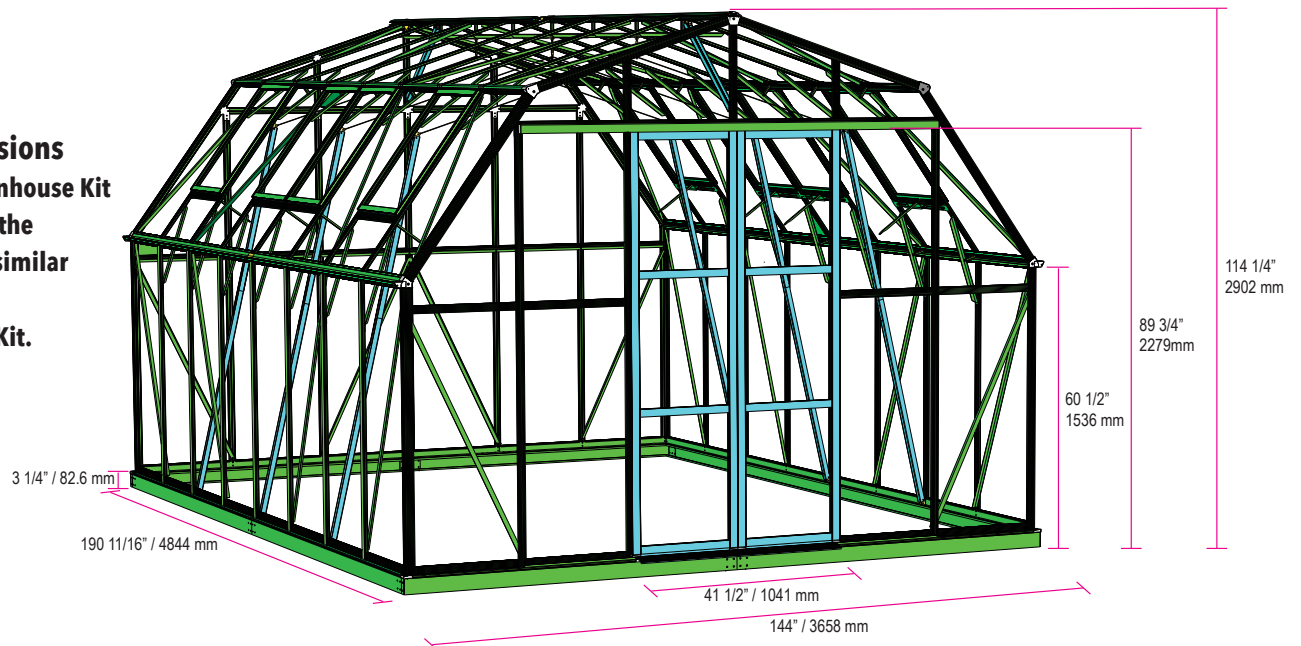
Exterior Dimensions: 144" W x 190 11/16" L

Interior Dimensions: 141.25" W x 187 13/16" L

Door Dimensions: 41.5" W x 85.25" H

Bottom Side of Gutter Height: 60.5" H

Peak Roof Height: 114.25" H

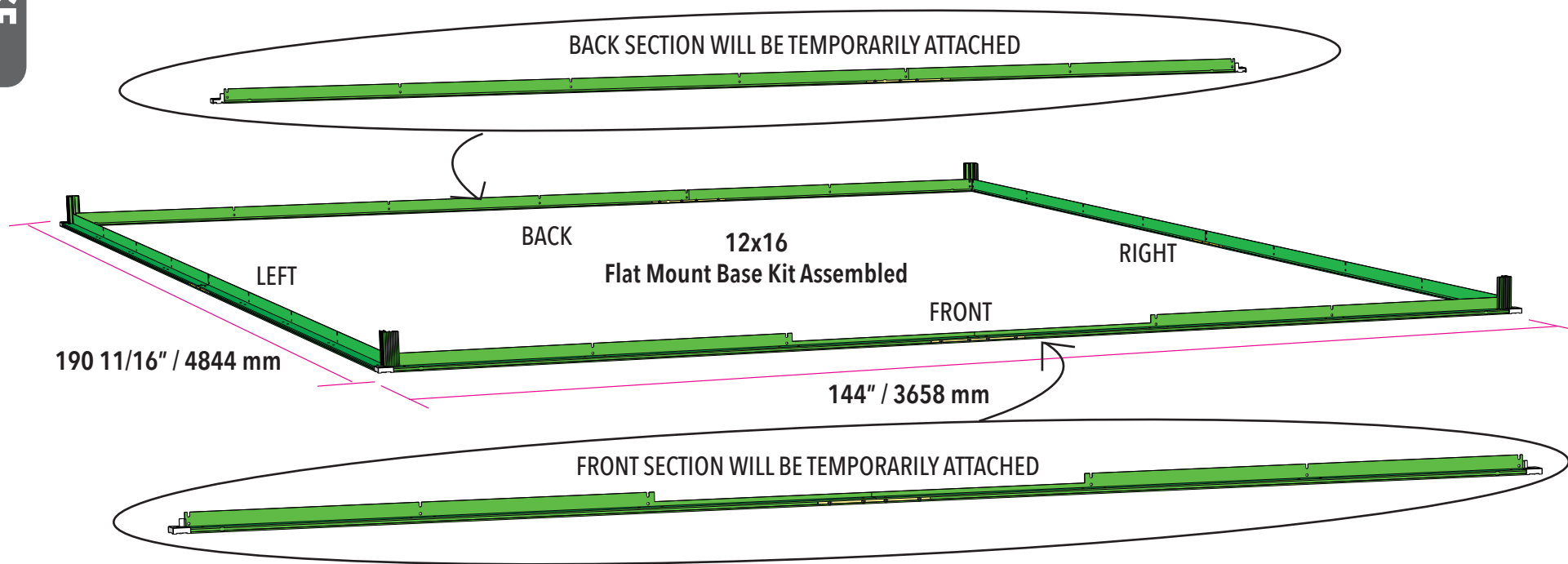


GRANDIO SUMMIT 12x16 FLAT MOUNT BASE ASSEMBLY

* The Flat Mount Base is included in each Summit Greenhouse Kit. The Flat Mount Base is designed to be installed on a wooden deck or concrete slab type surface. If you are using a Steel Base Kit for installing into the earth you will follow these instructions to assemble the Flat Mount section, but will then attach the Flat Mount Kit onto your Steel Base Kit.

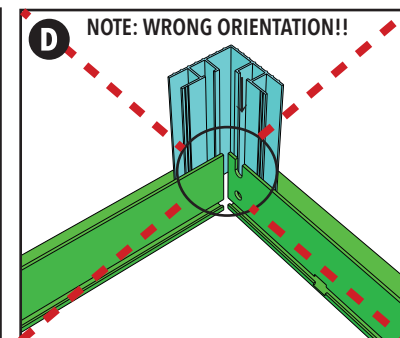
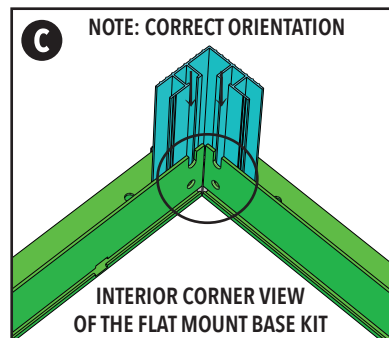
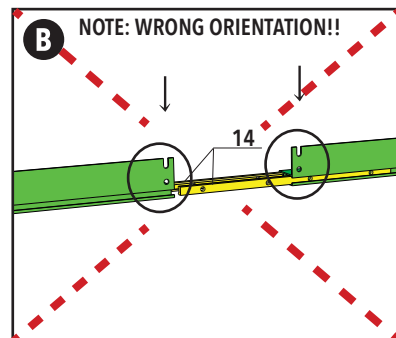
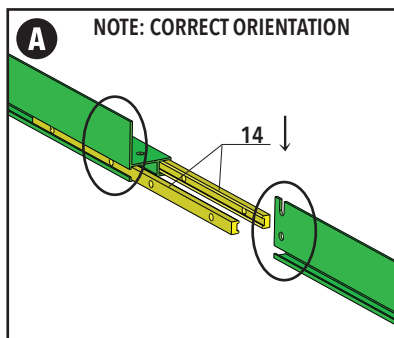
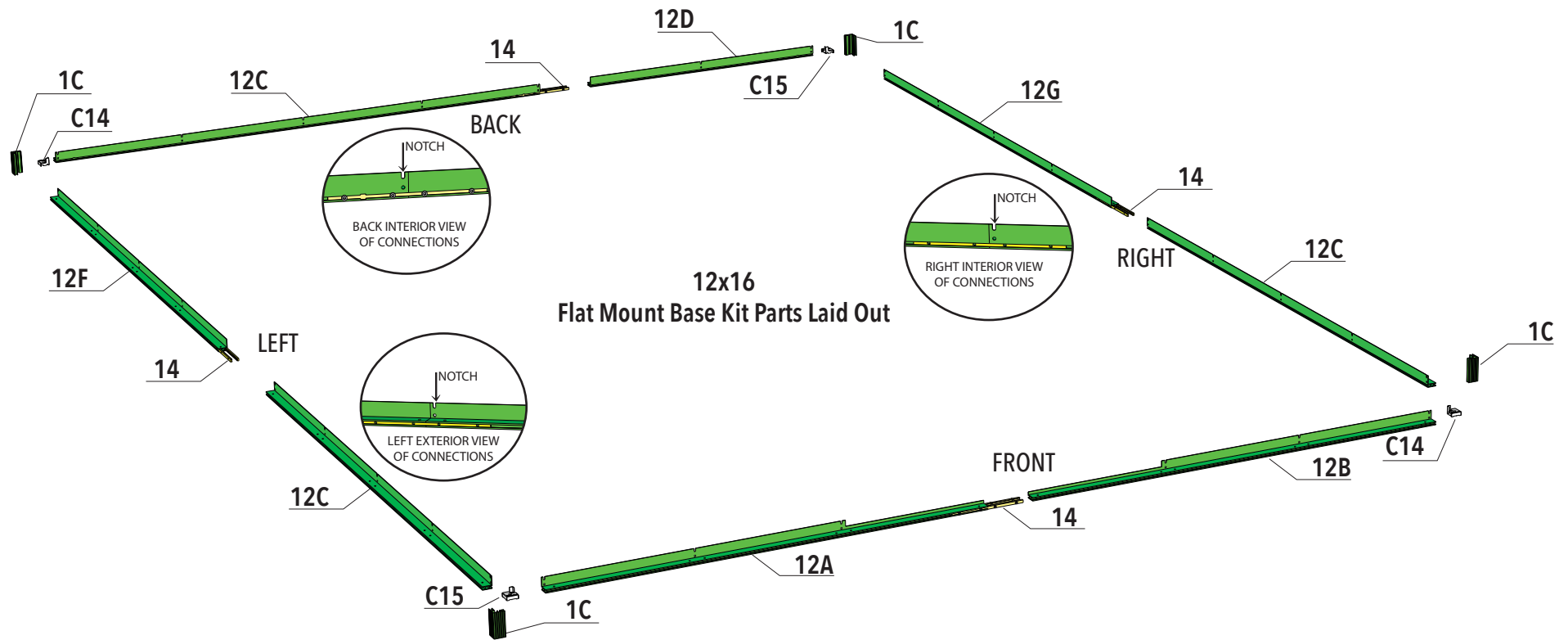
The Flat Mount Kit will be assembled as shown in this section, then secured to the surface of your choice using the proper anchoring hardware.

You will drill all holes into your surface for the entire base kit and temporarily affix into place, you will need to remove the front and back sections in order to build your front and back walls as will be shown in the Summit Greenhouse Assembly Manual 2.



GRANDIO SUMMIT 12x16 FLAT MOUNT BASE ASSEMBLY

1. Lay out all of the parts exactly as shown in the diagram below. Confirm that the front is where you want your doors to be located. Be sure the pieces are laid out exactly like the diagram, note that notches will have a 23" gap between each other, no notches should be right next to each other except at the corners. See **A** , **B** , **C** and **D** to confirm you have the correct orientation prior to assembly.



GRANDIO SUMMIT 12x16 FLAT MOUNT BASE ASSEMBLY

2. Connect the FRONT 12A and 12B pieces using the 14's and the AFS-68 screws. See diagram **A**.

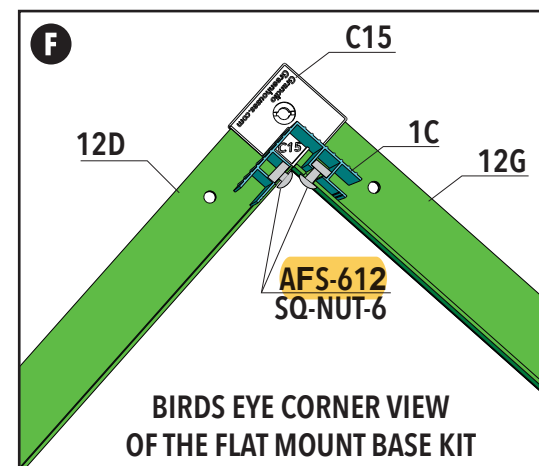
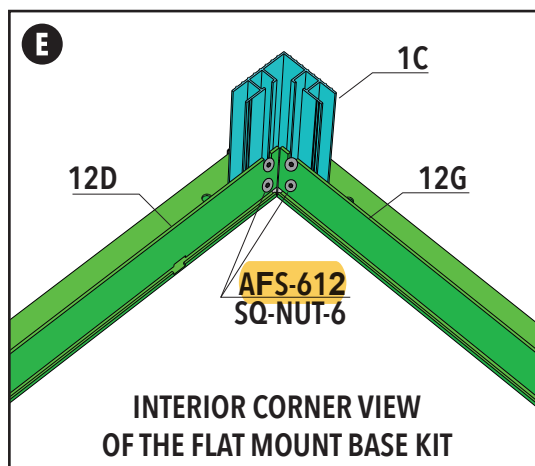
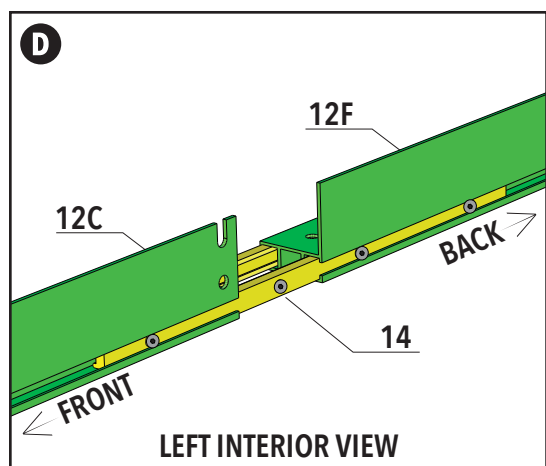
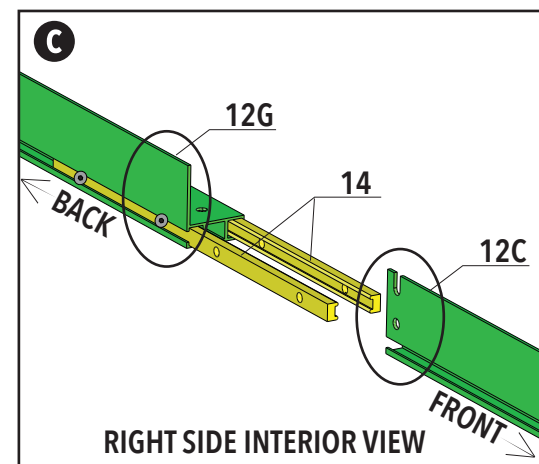
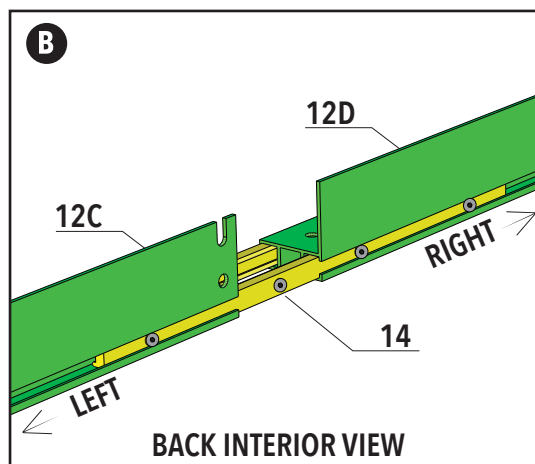
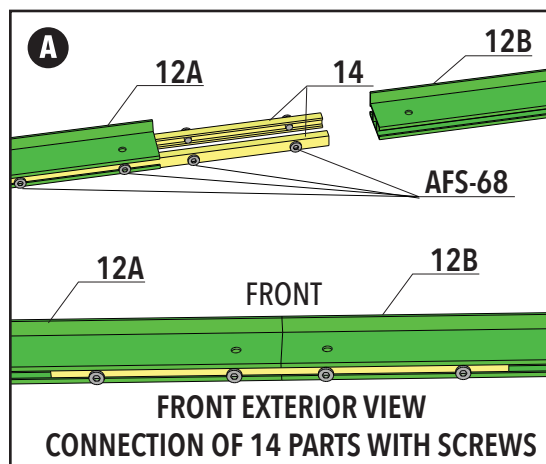
3. Connect the BACK section 12C and 12D using the 14's and the AFS-68 screws. See diagram **B**.

4. Connect the RIGHT side 12C with the 12G using the 14's and the AFS-68 screws, see diagram **C**.

*REFER TO LAYOUT DIAGRAM ON PREVIOUS PAGE AS NEEDED.

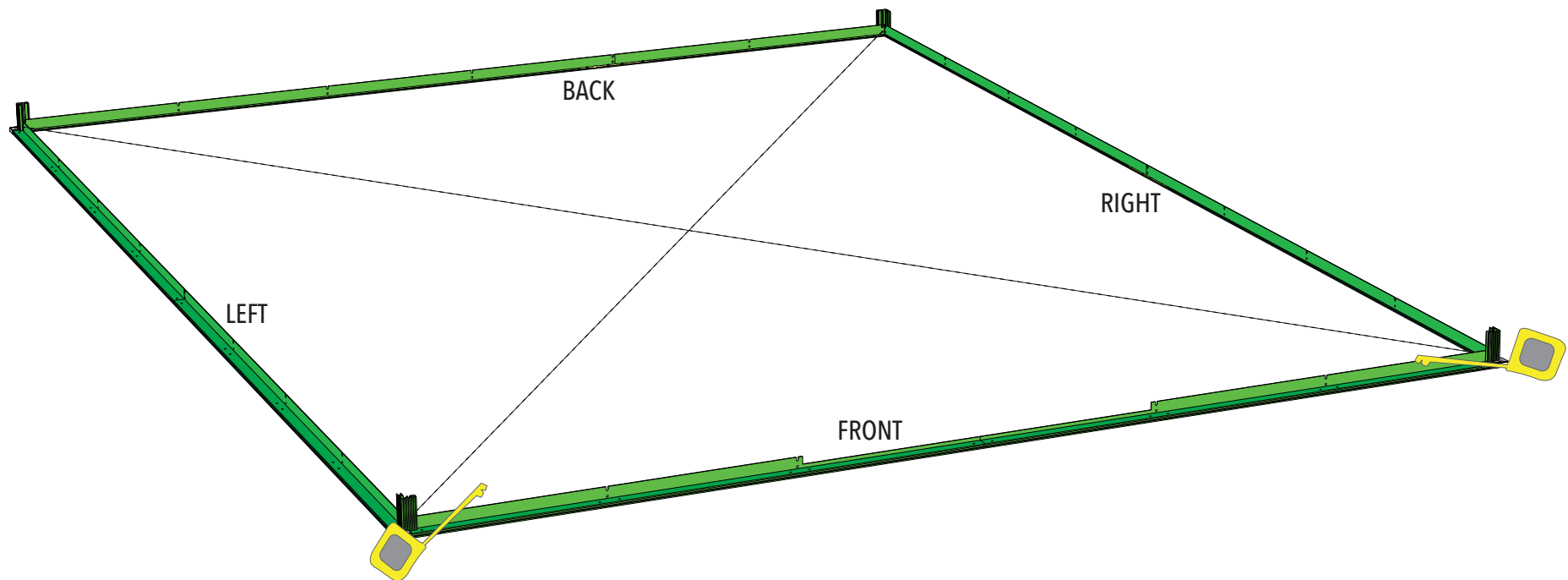
5. Connect the LEFT side 12C with the 12F using the 14's and the AFS-68 screws, see diagram **D**.

6. Assemble the base kit as shown using the AFS-612 screws with the SQ-NUT-6 nuts at the 1C corners. See diagrams **E** and **F**.



GRANDIO SUMMIT 12x16 FLAT MOUNT BASE INSTALLATION

1. Square and Level your Flat Mount Base Kit to your Concrete or Wooden surface or pad.
 2. Measure corner to corner and confirm square. Use the appropriate anchoring fastener that was chosen at the time of purchase. Reference the instructions that come with your anchoring kit. Drill the holes into your surface, blow out the debris, then install the screws. Keep the Left side (12C and 12F) and the Right side (12C and 12G) in place with the anchors installed and tightened into place.
 3. You will need to remove the Front and Back Flat Mount Base sections in order to build the Front and Back walls, as the base pieces will be used for the bottom edge of the Front and Back walls. You will re-attach the base pieces into place once the Front and Back walls are built.
- *Discard the 1C spacers after the anchors have been installed.



GRANDIO SUMMIT 12x16 STEEL EARTH BASE KIT DIMENSIONS

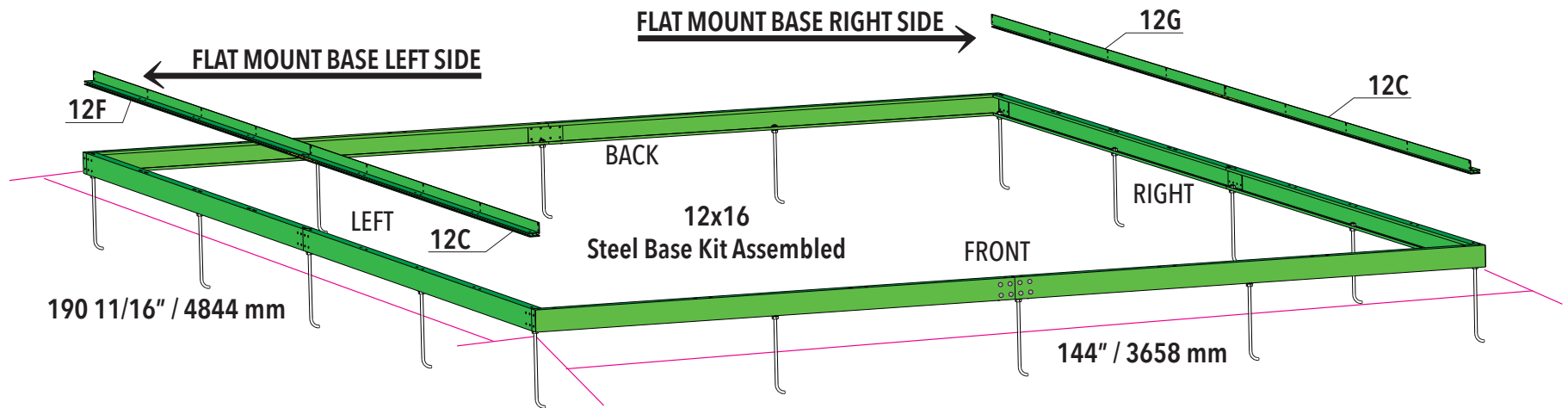
12x16 Grandio Summit with Steel Base Kit Dimensions

*The Steel Base Kit is sold separately from the Summit Greenhouse Kit and is to be installed directly into the Earth using the included L-Bolts which must be secured with Quikrete® or a similar concrete material. NOTE: concrete is not included, purchase at a local hardware store.

The side sections of the Flat Mount Base Kit will attach on top of the Steel Base Kit prior to earth install, the front and back walls must be assembled using the front and back Flat Mount Base pieces as will be instructed in Summit Manual 2.



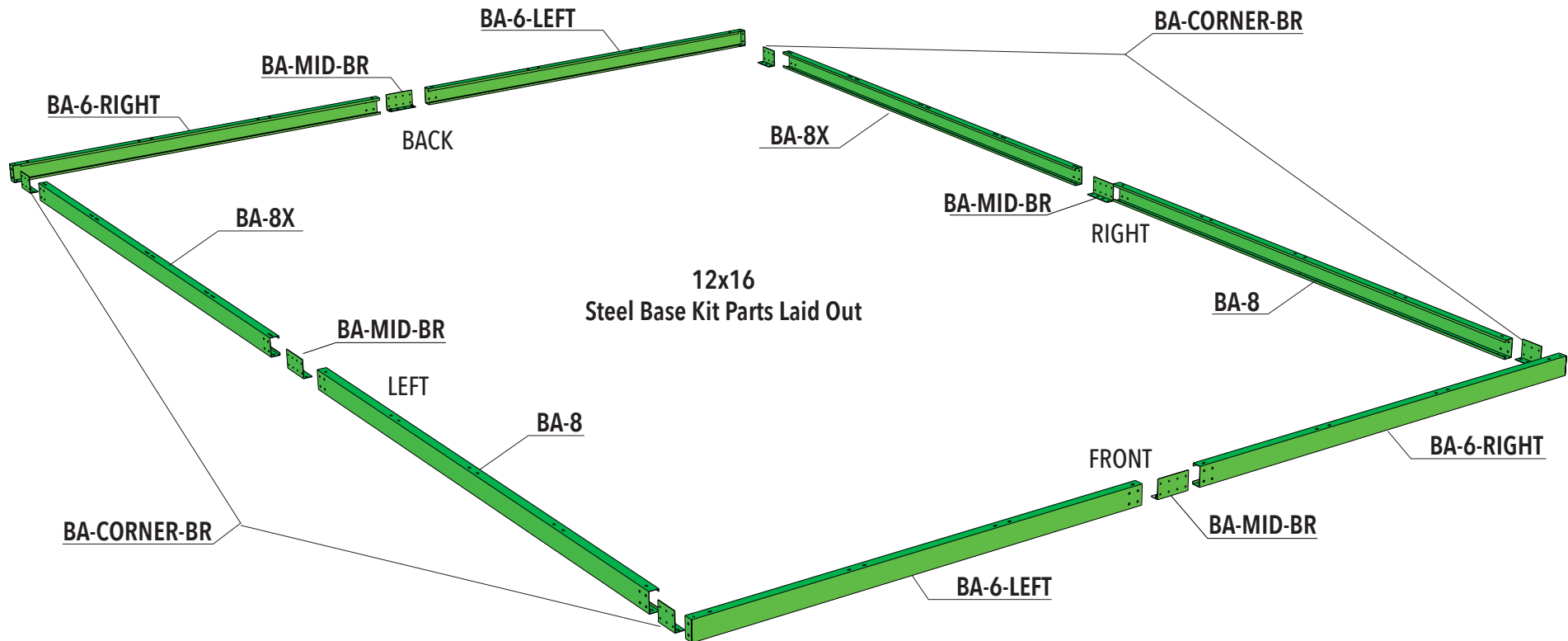
BACK FLAT MOUNT SECTION WILL BE SET ASIDE FOR LATER SECTIONS



FRONT FLAT MOUNT SECTION WILL BE SET ASIDE FOR LATER SECTIONS

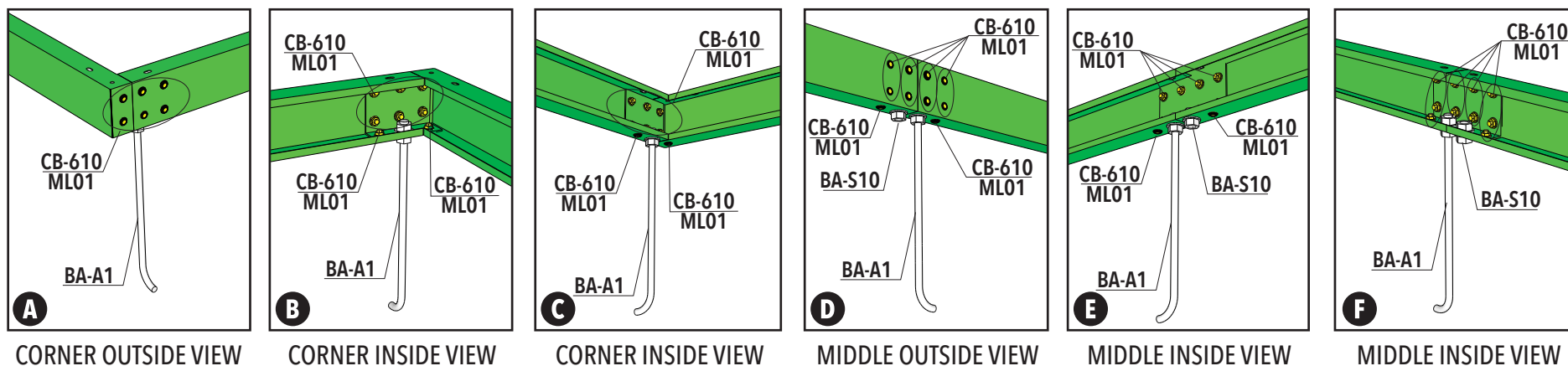
GRANDIO SUMMIT 12x16 STEEL BASE KIT ASSEMBLY

1. Lay out all the parts for your Steel Base Kit exactly as shown in the diagram below, failure to assemble exactly as shown will cause problems later in assembly.
2. Confirm that the small oval holes are all on the top side of the base kit, and the large round holes for the BA-A1 and BA-S10 bolts are facing downward for correct assembly. See the small diagrams on the next page for correct installation and orientation.



GRANDIO SUMMIT 12x16 STEEL BASE KIT ASSEMBLY

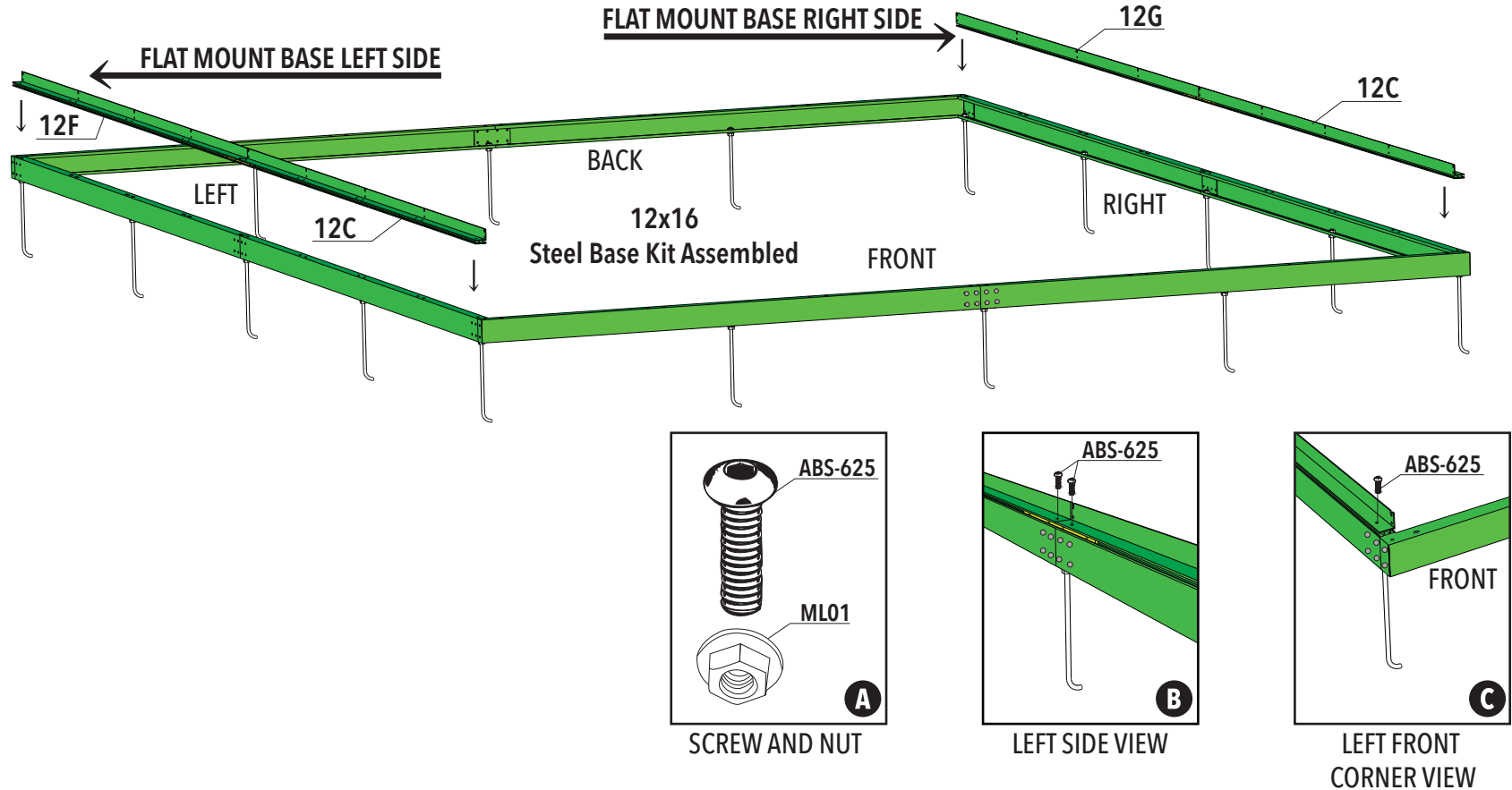
- Use the CB-610 bolts with the ML01 nuts to assemble the steel base kit as shown in diagrams **A** , **B** , **C** , **D** , **E** , and **F** , at the bottom of this page. Note the CB-610's will be on the outside and the ML01 nut will be on the inside.
- Install the BA-A1 and BA-S10 bolts into the large circular holes on the bottom side of the base kit, as is shown in the diagrams below. You may choose to place the BA-A1 and BA-S10 in opposite holes of what are shown in diagram **D** , **E** , and **F** .



GRANDIO SUMMIT 12x16 ATTACHING THE FLAT MOUNT BASE TO THE STEEL BASE KIT FOR EARTH INSTALLATION

1. Attach the side Flat Mount Base pieces to the Steel Base Kit as shown below using the ABS-625 screws with the ML01 nuts. See **A**, **B**, and **C**. Tighten the hardware using the (W16) 10 mm Wrench and (W17) Allen Driver.

* Set aside the Front and Back sections of the Flat Mount Base, these sections will be required to assemble the front and back walls in Manual 2.

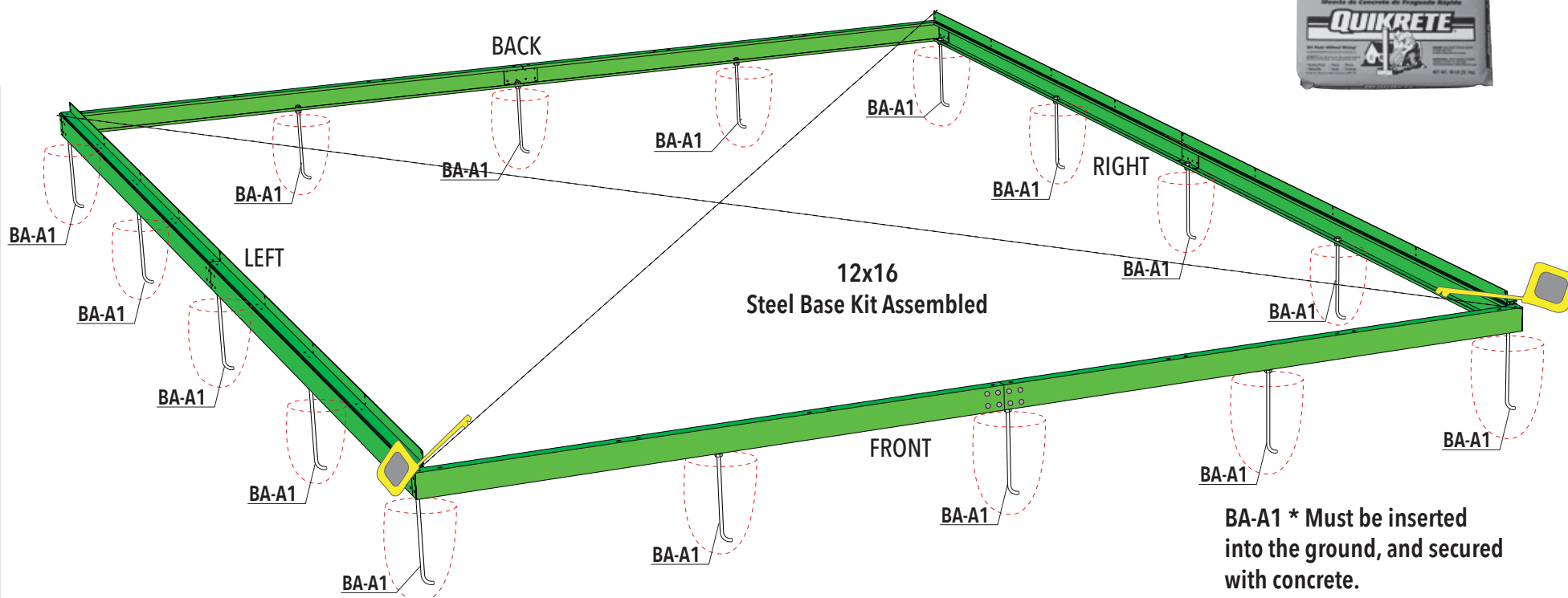


GRANDIO 12x16 SUMMIT STEEL BASE KIT EARTH INSTALLATION

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

WARNING: BASE KIT MUST BE LEVEL AND SQUARE, AN UNLEVEL BASE WILL AFFECT THE INTEGRITY OF YOUR GREENHOUSE.

1. Align the Steel Base Kit to your desired location. Measure corner to corner to confirm square, check that all sides are level, then mark the ground where the BA-A1 L-Bolts will reside with a marking paint. You will then move base aside in order to dig out the holes.
2. Dig out the holes for the BA-A1 anchors, then confirm the base is square and level again with the base kit moved back into place and BA-A1's in their respective holes. Check with your local building code for depth requirements.
3. We recommend you use a concrete mix such as Quikrete® fast setting concrete to secure the BA-A1 L-Bolts into place.
4. Follow the directions on your concrete mix. Confirm as the mix sets that the base is level and square. The BA-A1 L-Bolts may be adjusted up or down by turning the nuts attached to each BA-A1 that sandwich the base kit to assist in leveling the base kit after curing.



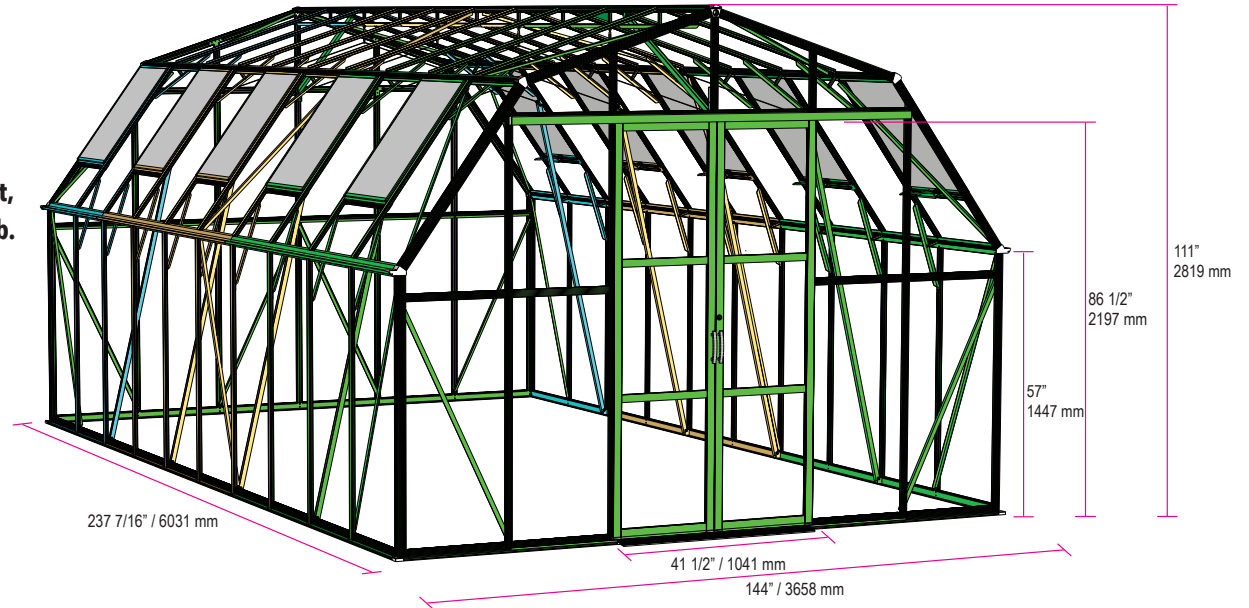
**BA-A1 * Must be inserted
into the ground, and secured
with concrete.**

GRANDIO SUMMIT 12x20 DIMENSIONS

12x20 Grandio Summit with Flat Mount Base Kit

* The Flat Mount Base is included in each Summit Greenhouse Kit, and is designed to be installed on a wooden deck or concrete slab.

Exterior Dimensions: 144" W x 237 7/16" L
 Interior Dimensions: 141.25" W x 234 9/16" L
 Door Dimensions: 41.5" W x 85.25" H
 Bottom Side of Gutter Height: 57" H
 Peak Roof Height: 111" H

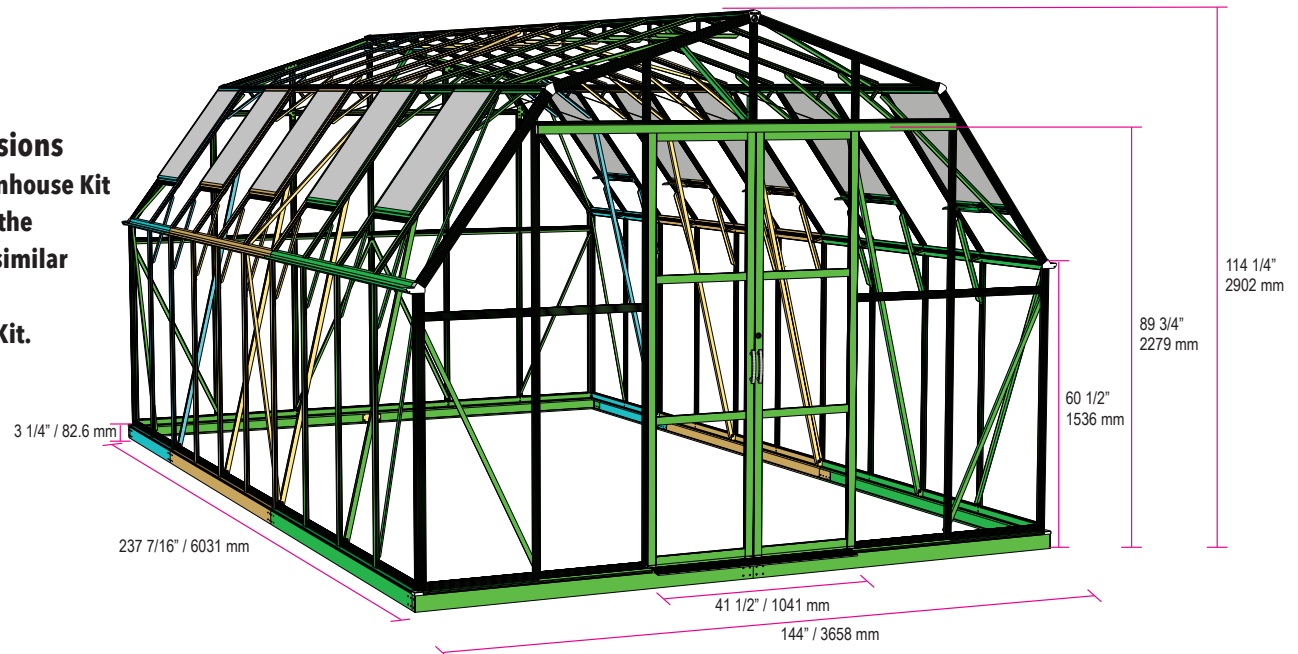


12x20 Grandio Summit with Steel Base Kit Dimensions

*The Steel Base Kit is sold separately from the Summit Greenhouse Kit and is designed to be installed directly into the Earth using the included L-Bolts which must be secured into Quikrete® or a similar concrete material.

The Flat Mount Base Kit will attach on top of the Steel Base Kit.

Exterior Dimensions: 144" W x 237 7/16" L
 Interior Dimensions: 141.25" W x 234 9/16" L
 Door Dimensions: 41.5" W x 85.25" H
 Bottom Side of Gutter Height: 60.5" H
 Peak Roof Height: 114.25" H

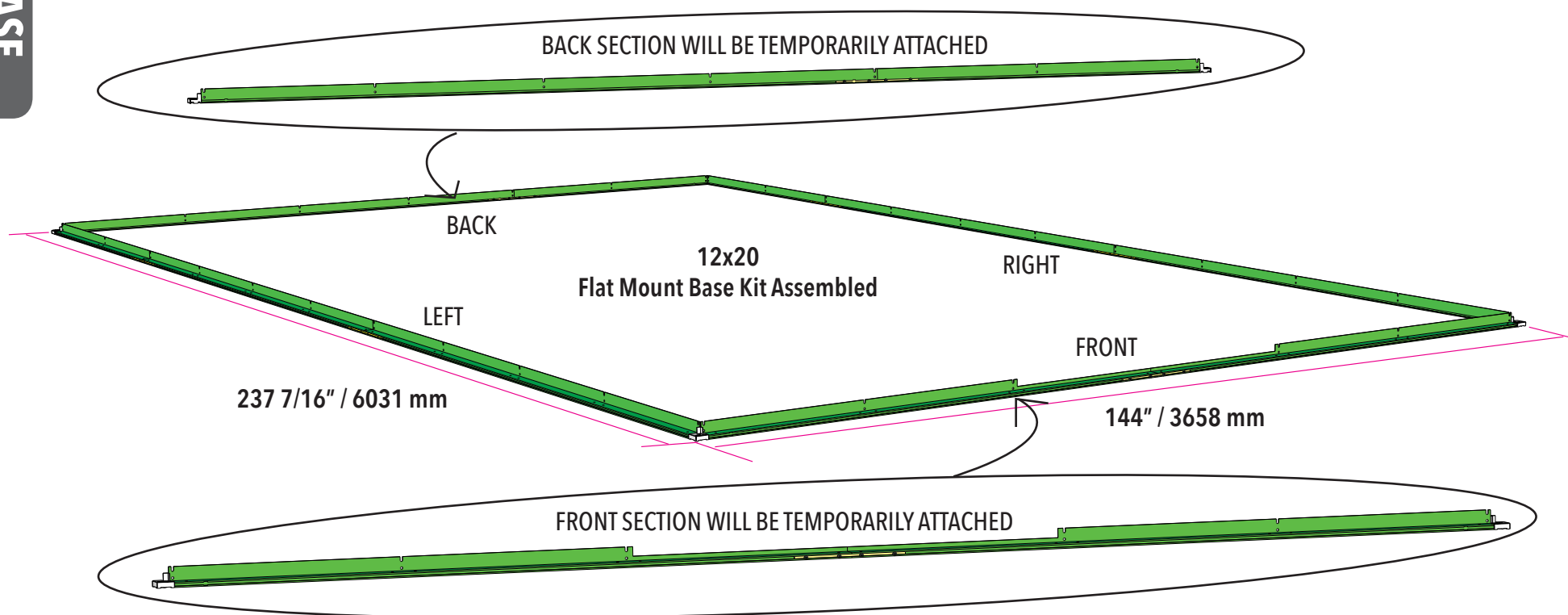


GRANDIO SUMMIT 12x20 FLAT MOUNT BASE ASSEMBLY

* The Flat Mount Base is included in each Summit Greenhouse Kit. The Flat Mount Base is designed to be installed on a wooden deck or concrete slab type surface. If you are using a Steel Base Kit for installing into the earth you will follow these instructions to assemble the Flat Mount section, but will then attach the Flat Mount Kit onto your Steel Base Kit.

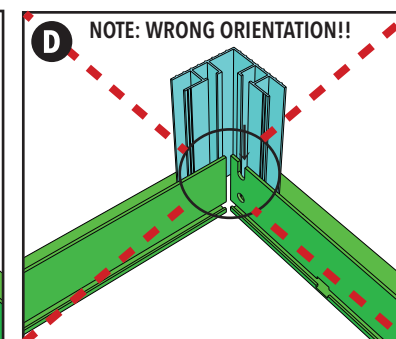
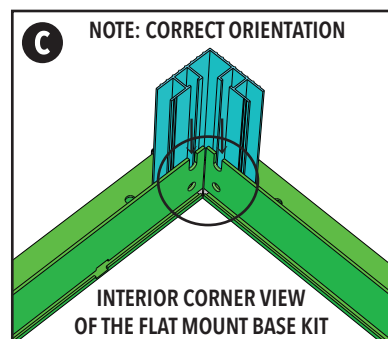
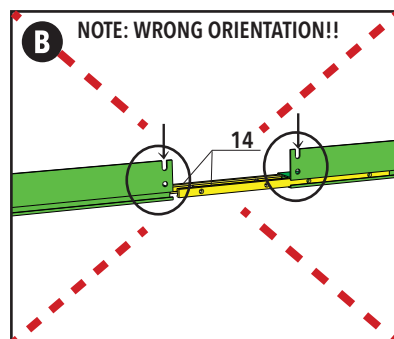
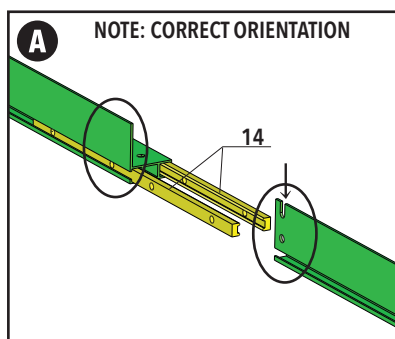
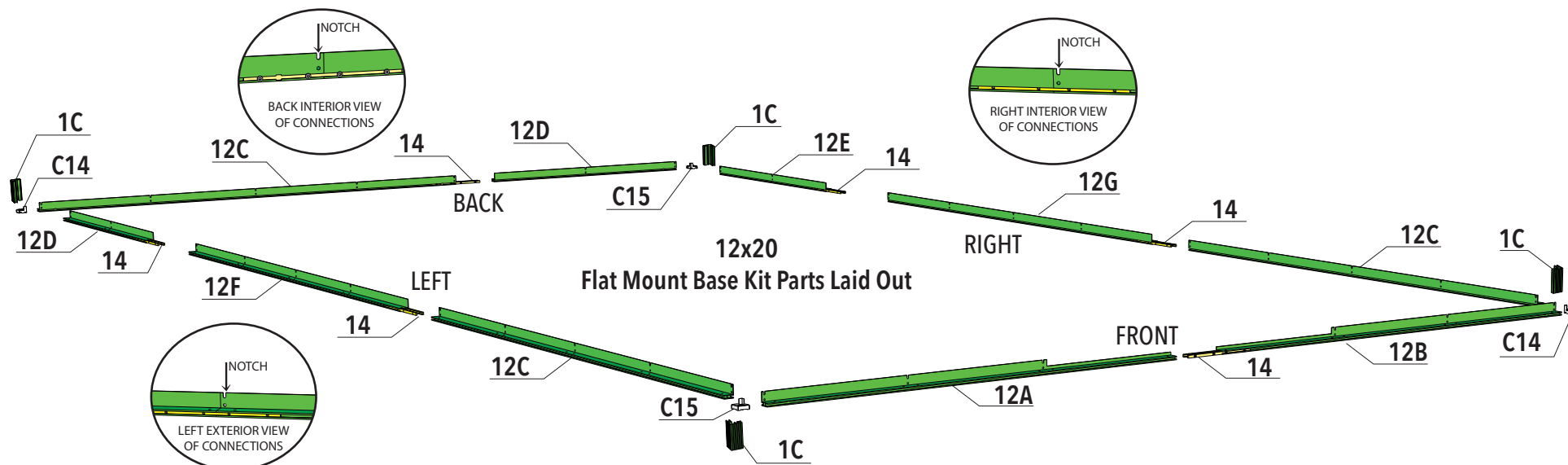
The Flat Mount Kit will be assembled as shown in this section, then secured to the surface of your choice using the proper anchoring hardware.

You will drill all holes into your surface for the entire base kit and temporarily affix into place, you will need to remove the front and back sections in order to build your front and back walls as will be shown in the Summit Greenhouse Assembly Manual 2.



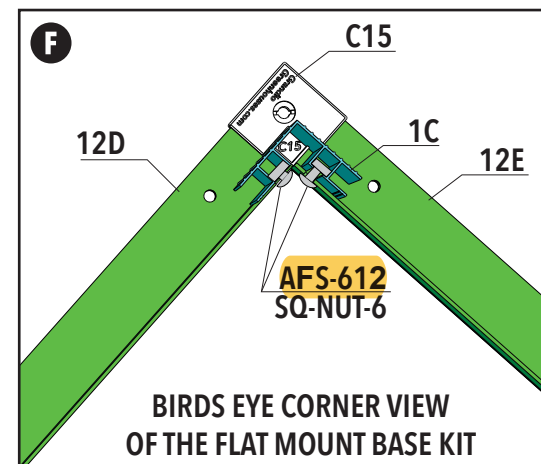
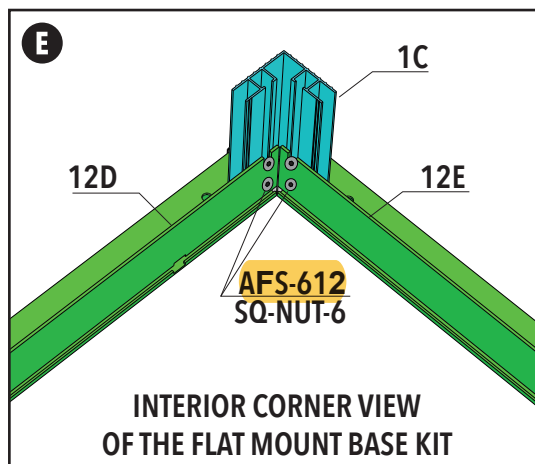
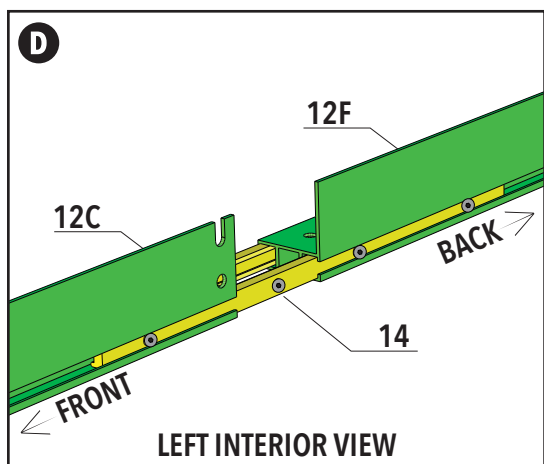
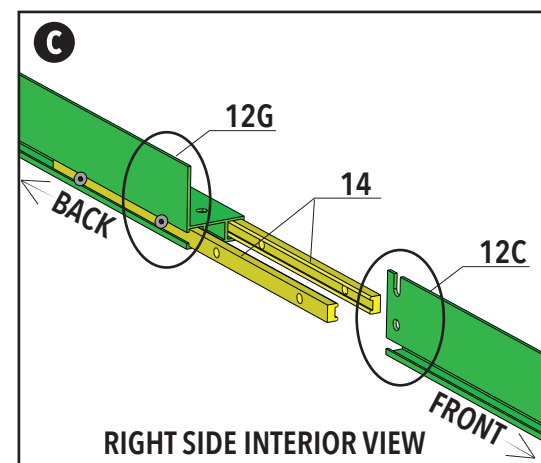
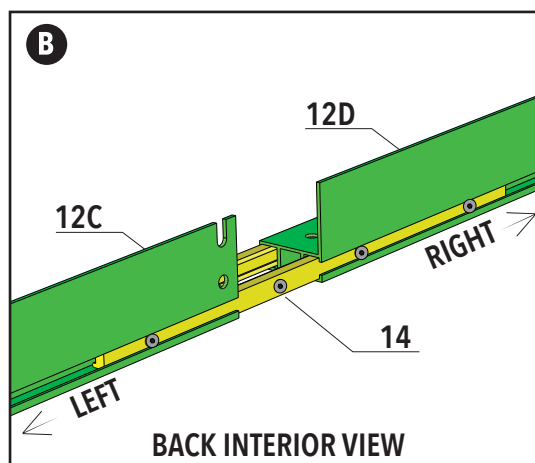
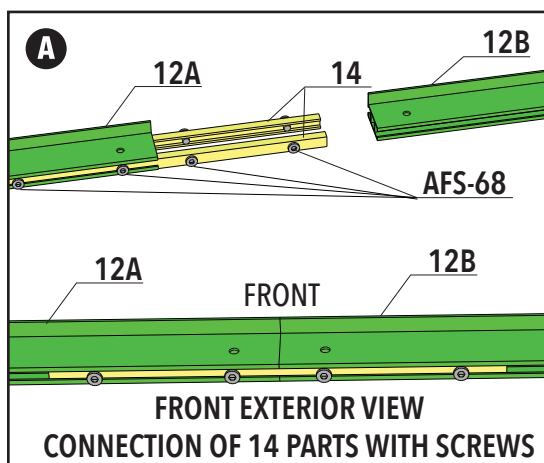
GRANDIO SUMMIT 12x20 FLAT MOUNT BASE ASSEMBLY

1. Lay out all of the parts exactly as shown in the diagram below. Confirm that the front is where you want your doors to be located. Be sure the pieces are laid out exactly like the diagram, note that notches will have a 23" gap between each other, no notches should be right next to each other except at the corners. See **A**, **B**, **C** and **D** to confirm you have the correct orientation prior to assembly.



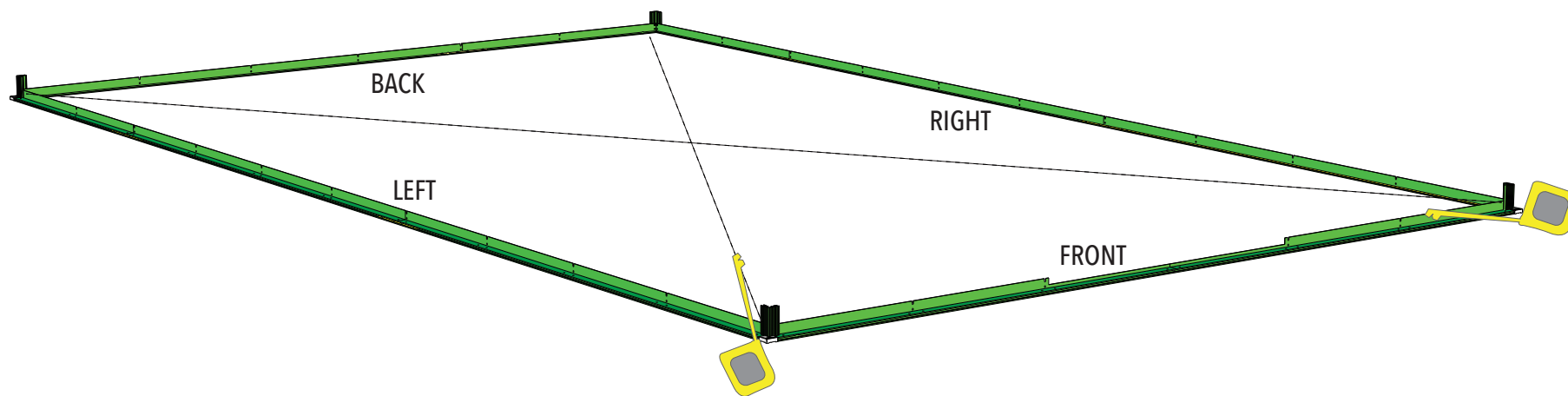
GRANDIO SUMMIT 12x20 FLAT MOUNT BASE ASSEMBLY

2. Connect the FRONT 12A and 12B pieces using the 14's and the AFS-68 screws. See diagram **A**.
 3. Connect the BACK section 12C and 12D using the 14's and the AFS-68 screws. See diagram **B**.
 4. Connect the RIGHT side 12C with the 12G using the 14's and the AFS-68 screws, see diagram **C**. Repeat connecting the 12G with the 12E.
- *REFER TO LAYOUT DIAGRAM ON PREVIOUS PAGE AS NEEDED.
5. Connect the LEFT side 12C with the 12F using the 14's and the AFS-68 screws, see diagram **D**. Repeat connecting the 12F with the 12D.
 6. Assemble the base kit as shown using the AFS-612 screws with the SQ-NUT-6 nuts at the 1C corners. See diagrams **E** and **F**.



GRANDIO SUMMIT 12x20 FLAT MOUNT BASE INSTALLATION

1. Square and Level your Flat Mount Base Kit to your Concrete or Wooden surface or pad.
 2. Measure corner to corner and confirm square. Use the appropriate anchoring fastener that was chosen at the time of purchase. Reference the instructions that come with your anchoring kit. Drill the holes into your surface, blow out the debris, then install the screws. Keep the Left side (12C, 12F, and 12D) and the Right side (12C, 12G, and 12E) in place with the anchors installed and tightened into place.
 3. You will need to remove the Front and Back Flat Mount Base sections in order to build the Front and Back walls, as the base pieces will be used for the bottom edge of the Front and Back walls. You will re-attach the base pieces into place once the Front and Back walls are built.
- *Discard the 1C spacers after the anchors have been installed.

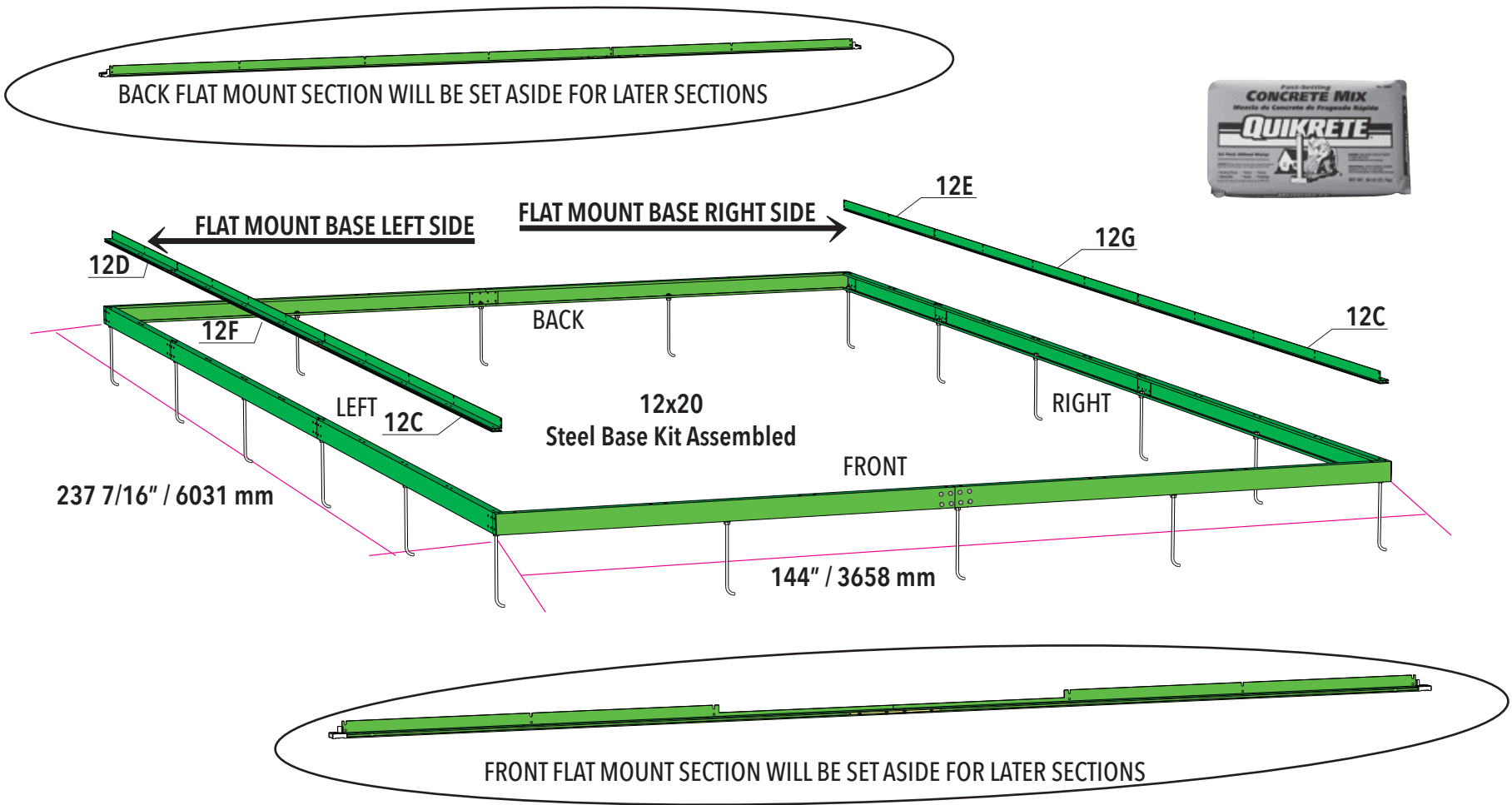


GRANDIO SUMMIT 12x20 STEEL EARTH BASE KIT DIMENSIONS

12x20 Grandio Summit with Steel Base Kit Dimensions

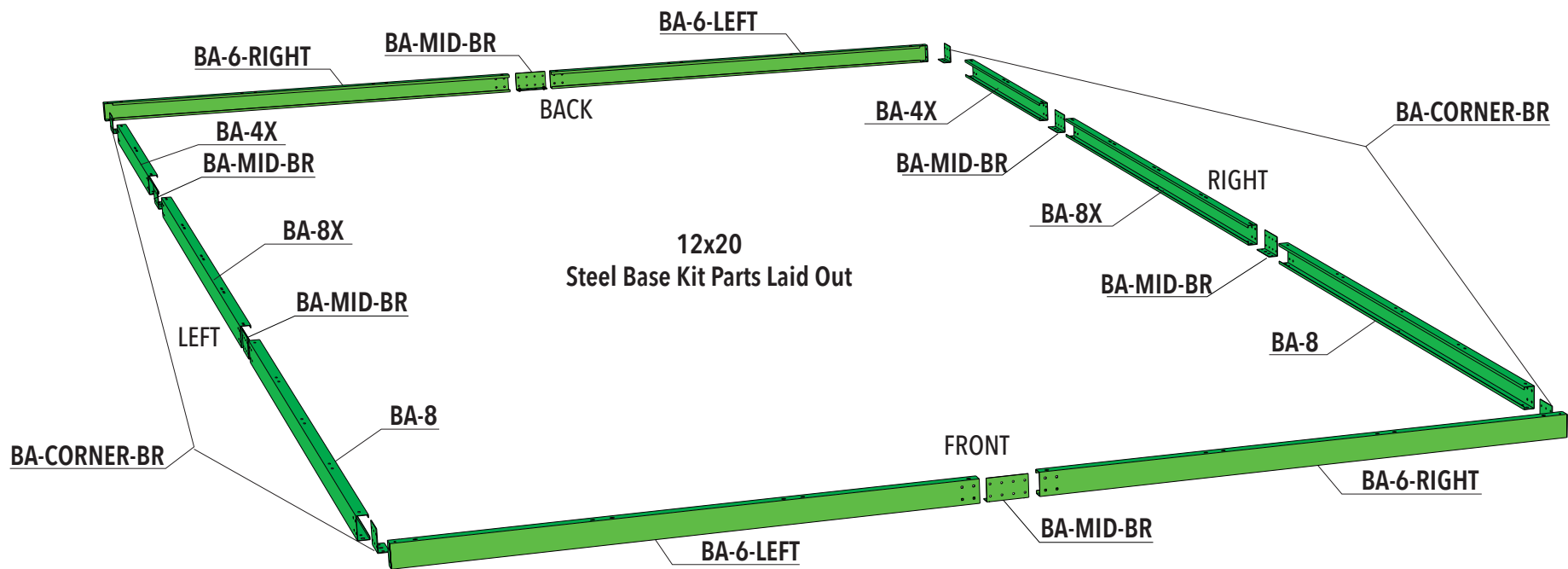
*The Steel Base Kit is sold separately from the Summit Greenhouse Kit and is to be installed directly into the Earth using the included L-Bolts which must be secured with Quikrete® or a similar concrete material. NOTE: concrete is not included, purchase at a local hardware store.

The side sections of the Flat Mount Base Kit will attach on top of the Steel Base Kit prior to earth install, the front and back walls must be assembled using the front and back Flat Mount Base pieces as will be instructed in Summit Manual 2.



GRANDIO SUMMIT 12x20 STEEL BASE KIT ASSEMBLY

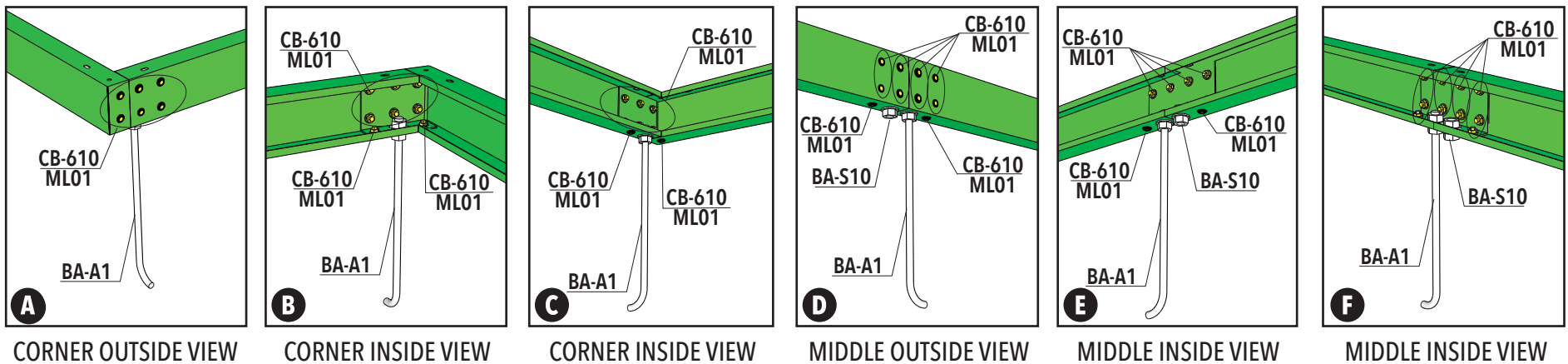
1. Lay out all the parts for your Steel Base Kit exactly as shown in the diagram below, failure to assemble exactly as shown will cause problems later in assembly.
2. Confirm that the small oval holes are all on the top side of the base kit, and the large round holes for the BA-A1 and BA-S10 bolts are facing downward for correct assembly. See the small diagrams on the next page for correct installation and orientation.



GRANDIO SUMMIT 12x20 STEEL BASE KIT ASSEMBLY

3. Use the CB-610 bolts with the ML01 nuts to assemble the steel base kit as shown in diagrams **A** , **B** , **C** , **D** , **E** , and **F** , at the bottom of this page. Note the CB-610's will be on the outside and the ML01 nut will be on the inside.

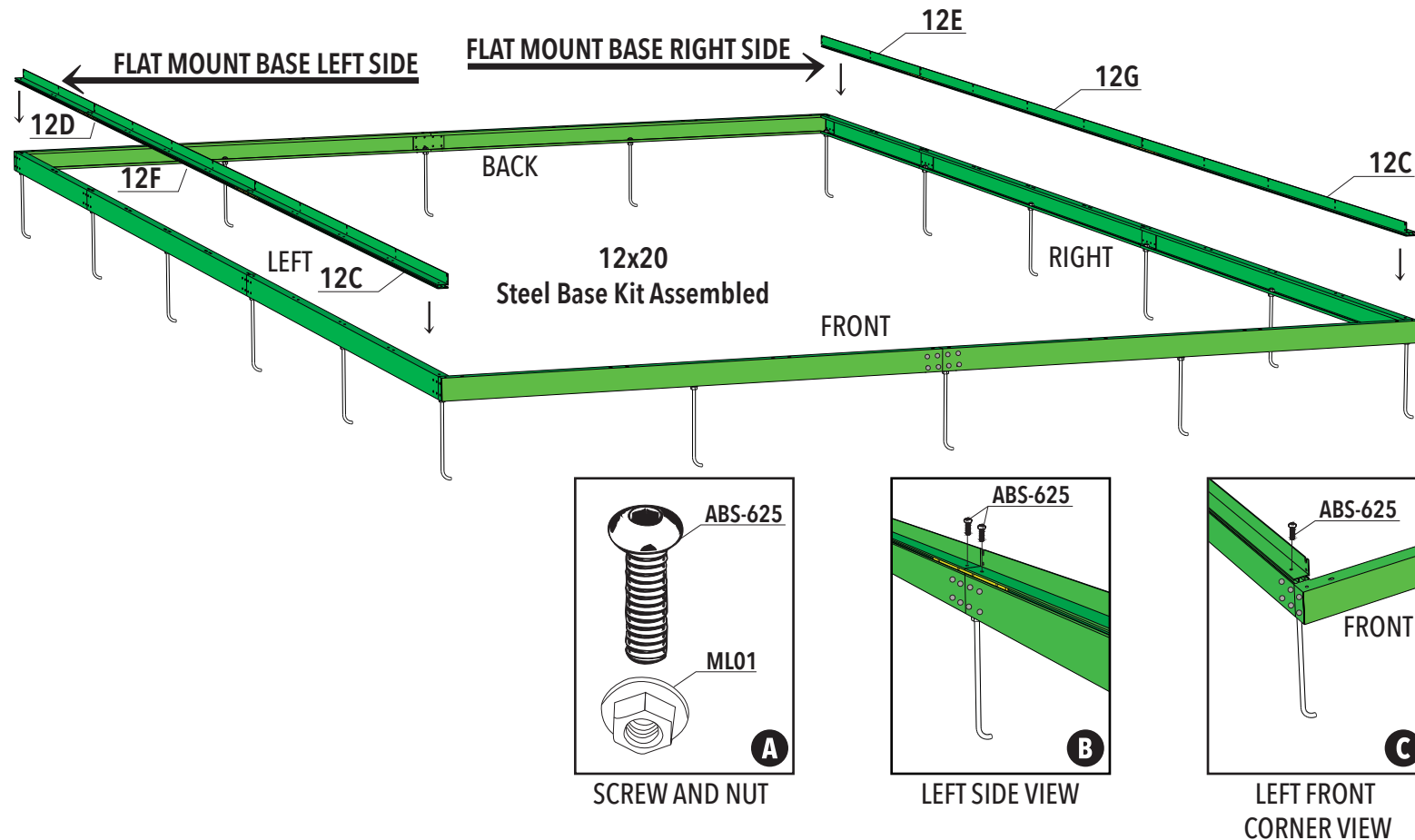
4. Install the BA-A1 and BA-S10 bolts into the large circular holes on the bottom side of the base kit, as is shown in the diagrams below. You may choose to place the BA-A1 and BA-S10 in opposite holes of what are shown in diagram **D** , **E** , and **F** .



GRANDIO SUMMIT 12x20 ATTACHING THE FLAT MOUNT BASE TO THE STEEL BASE KIT FOR EARTH INSTALLATION

1. Attach the side Flat Mount Base pieces to the Steel Base Kit as shown below using the ABS-625 screws with the ML01 nuts. See **A**, **B**, and **C**. Tighten the hardware using the (W16) 10 mm Wrench and (W17) Allen Driver.

* Set aside the Front and Back sections of the Flat Mount Base, these sections will be required to assemble the front and back walls in Manual 2.

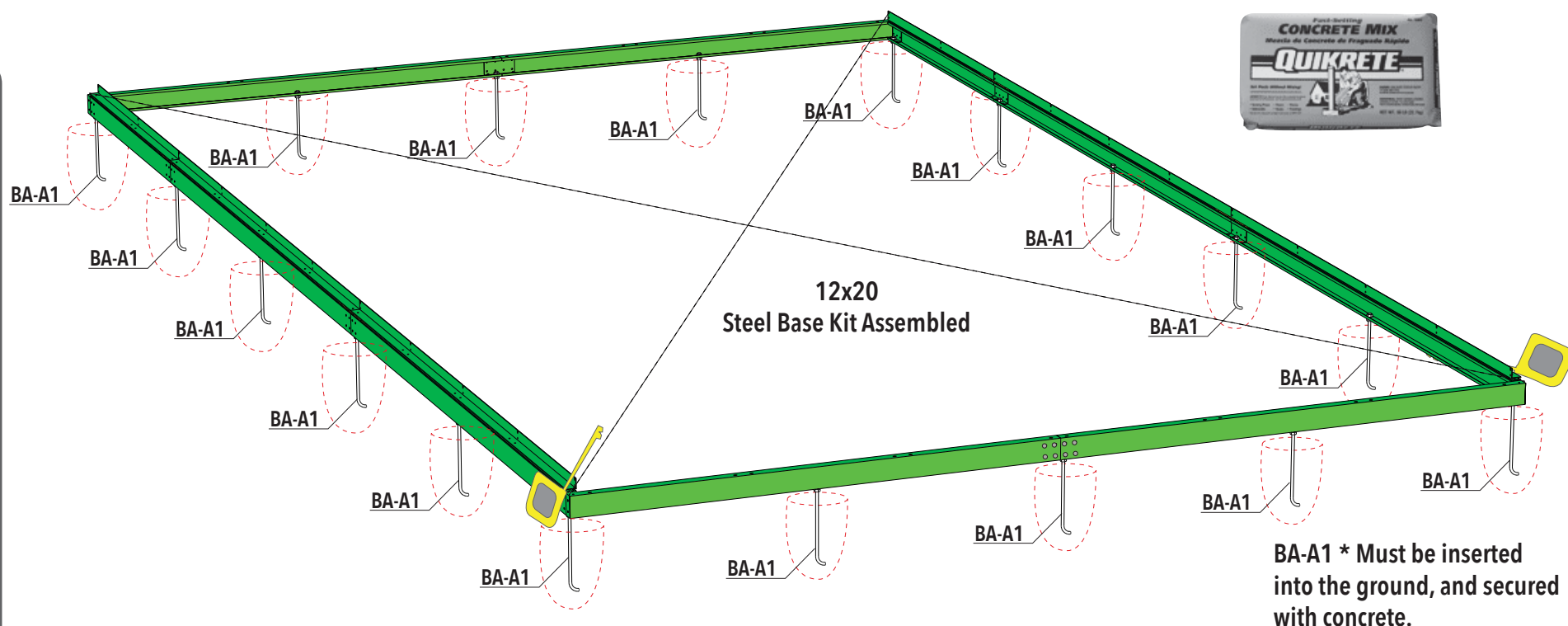


GRANDIO 12x20 SUMMIT STEEL BASE KIT EARTH INSTALLATION

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

WARNING: BASE KIT MUST BE LEVEL AND SQUARE, AN UNLEVEL BASE WILL AFFECT THE INTEGRITY OF YOUR GREENHOUSE.

1. Align the Steel Base Kit to your desired location. Measure corner to corner to confirm square, check that all sides are level, then mark the ground where the BA-A1 L-Bolts will reside with a marking paint. You will then move base aside in order to dig out the holes.
2. Dig out the holes for the BA-A1 anchors, then confirm the base is square and level again with the base kit moved back into place and BA-A1's in their respective holes. Check with your local building code for depth requirements.
3. We recommend you use a concrete mix such as Quikrete® fast setting concrete to secure the BA-A1 L-Bolts into place.
4. Follow the directions on your concrete mix. Confirm as the mix sets that the base is level and square. The BA-A1 L-Bolts may be adjusted up or down by turning the nuts attached to each BA-A1 that sandwich the base kit to assist in leveling the base kit after curing.



GRANDIO SUMMIT 12x24 DIMENSIONS

12x24 Grandio Summit with Flat Mount Base Kit

* The Flat Mount Base is included in each Summit Greenhouse Kit, and is designed to be installed on a wooden deck or concrete slab.

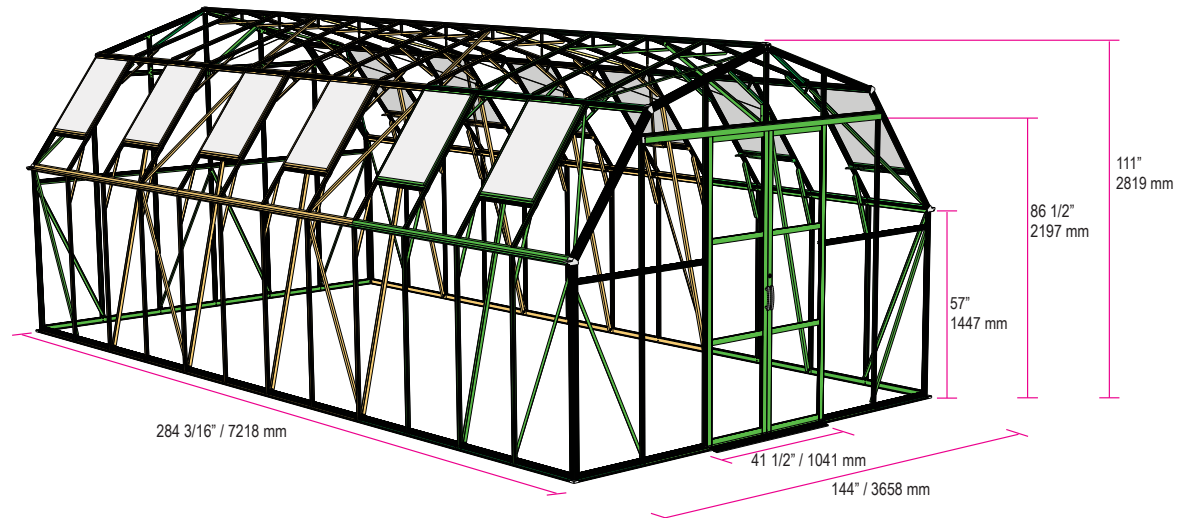
Exterior Dimensions: 144" W x 284 3/16" L

Interior Dimensions: 141.25" W x 281 5/16" L

Door Dimensions: 41.5" W x 85.25" H

Bottom Side of Gutter Height: 57" H

Peak Roof Height: 111" H



12x24 Grandio Summit with Steel Base Kit Dimensions

*The Steel Base Kit is sold separately from the Summit Greenhouse Kit and is designed to be installed directly into the Earth using the included L-Bolts which must be secured into Quikrete® or a similar concrete material.

The Flat Mount Base Kit will attach on top of the Steel Base Kit.

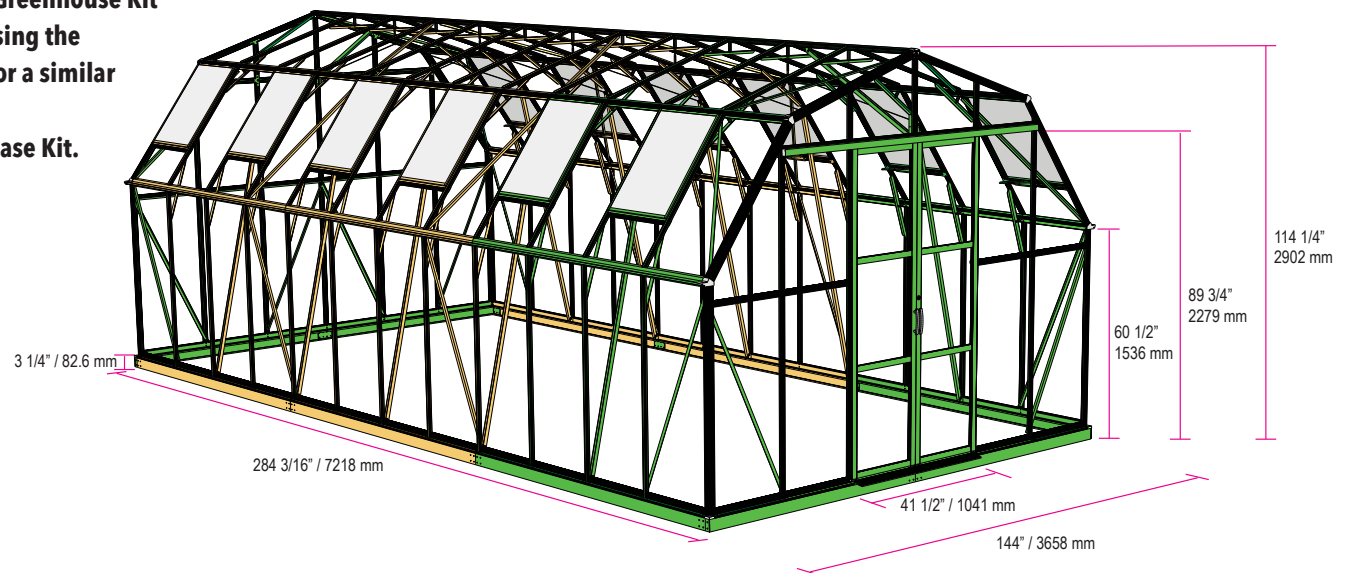
Exterior Dimensions: 144" W x 284 3/16" L

Interior Dimensions: 141.25" W x 281 5/16" L

Door Dimensions: 41.5" W x 85.25" H

Bottom Side of Gutter Height: 60.5" H

Peak Roof Height: 114.25" H

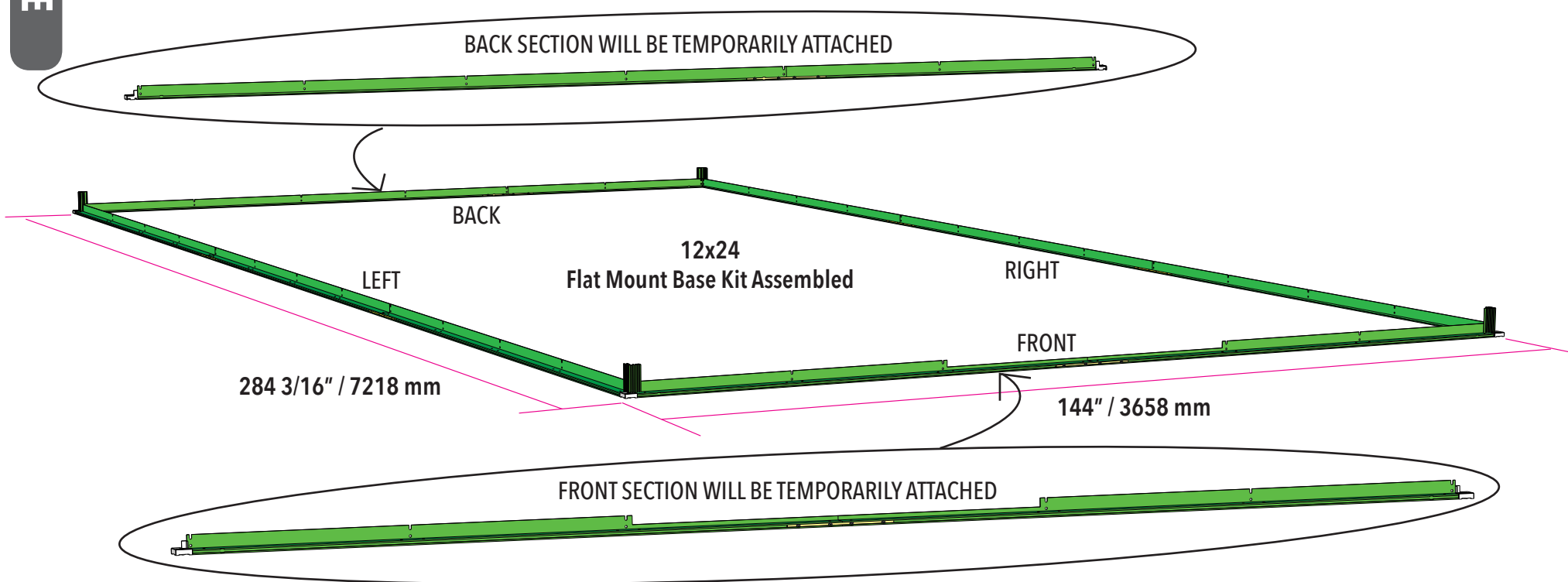


GRANDIO SUMMIT 12x24 FLAT MOUNT BASE ASSEMBLY

* The Flat Mount Base is included in each Summit Greenhouse Kit. The Flat Mount Base is designed to be installed on a wooden deck or concrete slab type surface. If you are using a Steel Base Kit for installing into the earth you will follow these instructions to assemble the Flat Mount section, but will then attach the Flat Mount Kit onto your Steel Base Kit.

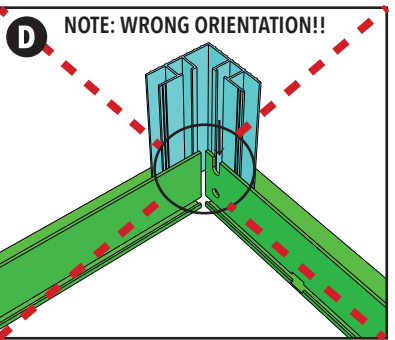
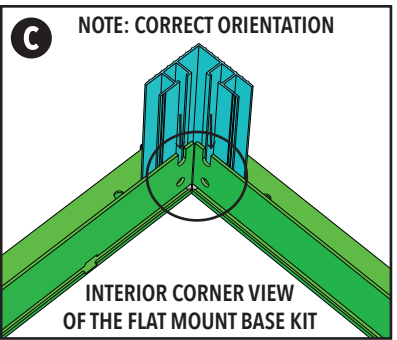
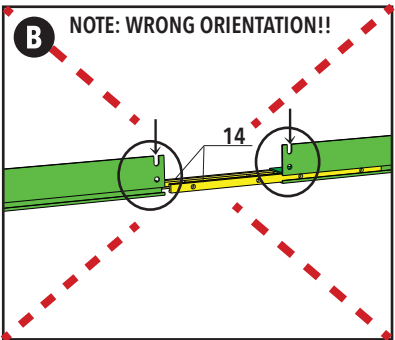
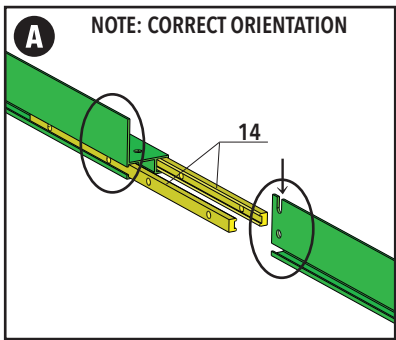
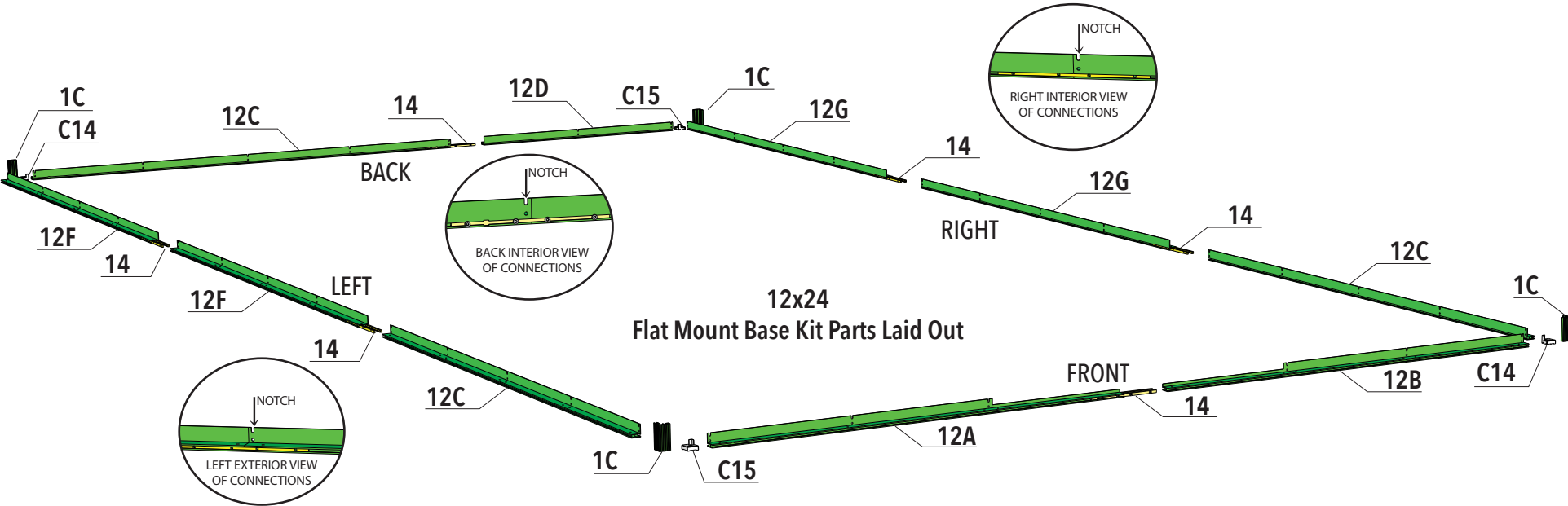
The Flat Mount Kit will be assembled as shown in this section, then secured to the surface of your choice using the proper anchoring hardware.

You will drill all holes into your surface for the entire base kit and temporarily affix into place, you will need to remove the front and back sections in order to build your front and back walls as will be shown in the Summit Greenhouse Assembly Manual 2.



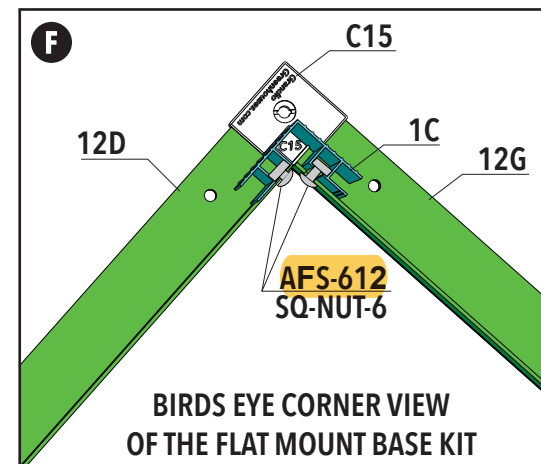
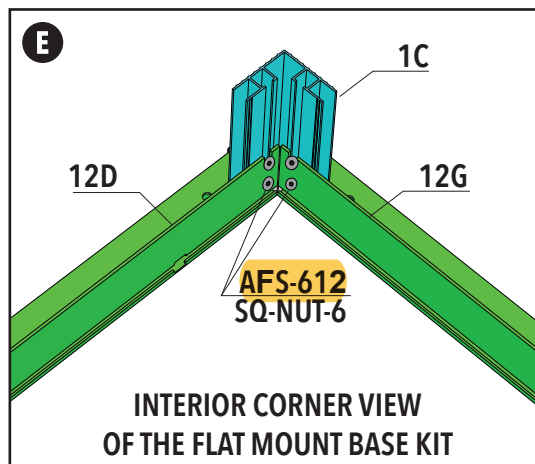
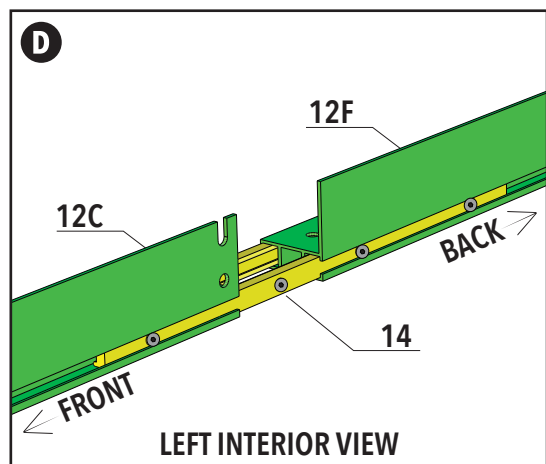
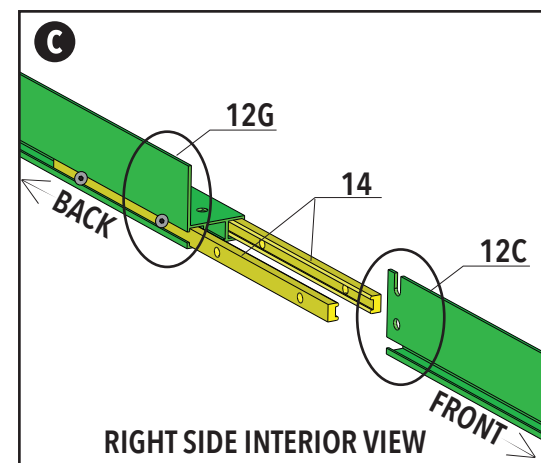
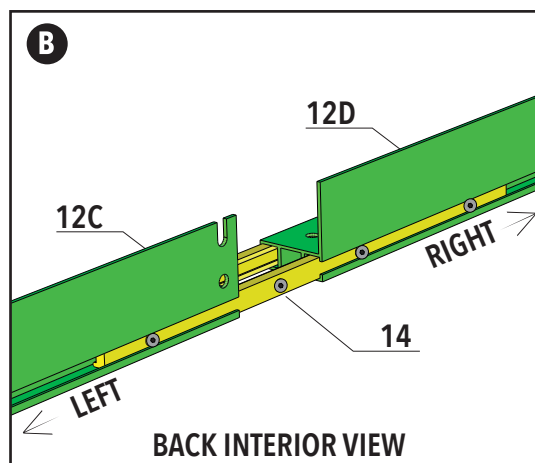
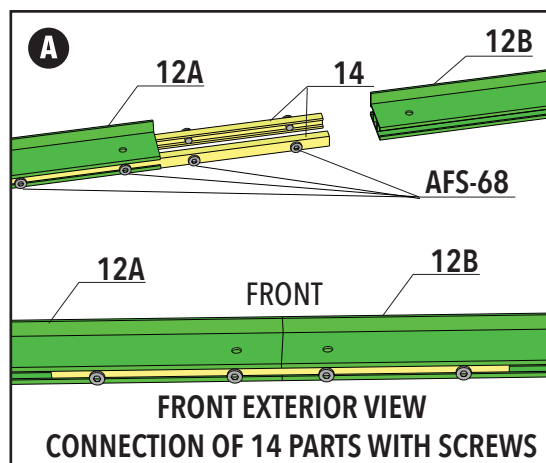
GRANDIO SUMMIT 12x24 FLAT MOUNT BASE ASSEMBLY

1. Lay out all of the parts exactly as shown in the diagram below. Confirm that the front is where you want your doors to be located. Be sure the pieces are laid out exactly like the diagram, note that notches will have a 23" gap between each other, no notches should be right next to each other except at the corners. See **A** , **B** , **C** and **D** to confirm you have the correct orientation prior to assembly.



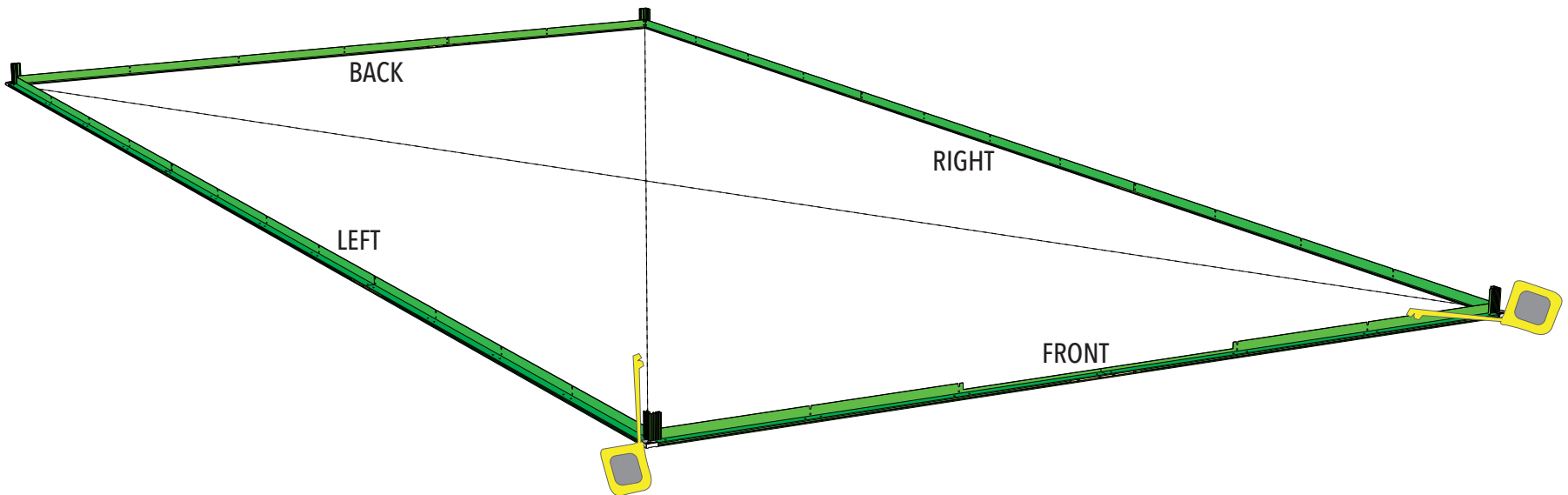
GRANDIO SUMMIT 12x24 FLAT MOUNT BASE ASSEMBLY

2. Connect the FRONT 12A and 12B pieces using the 14's and the AFS-68 screws. See diagram **A**.
3. Connect the BACK section 12C and 12D using the 14's and the AFS-68 screws. See diagram **B**.
4. Connect the RIGHT side 12C with the 12G using the 14's and the AFS-68 screws, see diagram **C**. Repeat connecting the 12G with the 12G.
- *REFER TO LAYOUT DIAGRAM ON PREVIOUS PAGE AS NEEDED.
5. Connect the LEFT side 12C with the 12F using the 14's and the AFS-68 screws, see diagram **D**. Repeat connecting the 12F with the 12F.
6. Assemble the base kit as shown using the AFS-612 screws with the SQ-NUT-6 nuts at the 1C corners. See diagrams **E** and **F**.



GRANDIO SUMMIT 12x24 FLAT MOUNT BASE INSTALLATION

1. Square and Level your Flat Mount Base Kit to your Concrete or Wooden surface or pad.
 2. Measure corner to corner and confirm square. Use the appropriate anchoring fastener that was chosen at the time of purchase. Reference the instructions that come with your anchoring kit. Drill the holes into your surface, blow out the debris, then install the screws. Keep the Left side (12C, 12F, and 12F) and the Right side (12C, 12G, and 12G) in place with the anchors installed and tightened into place.
 3. You will need to remove the Front and Back Flat Mount Base sections in order to build the Front and Back walls, as the base pieces will be used for the bottom edge of the Front and Back walls. You will re-attach the base pieces into place once the Front and Back walls are built.
- *Discard the 1C spacers after the anchors have been installed.



GRANDIO SUMMIT 12x24 STEEL EARTH BASE KIT DIMENSIONS

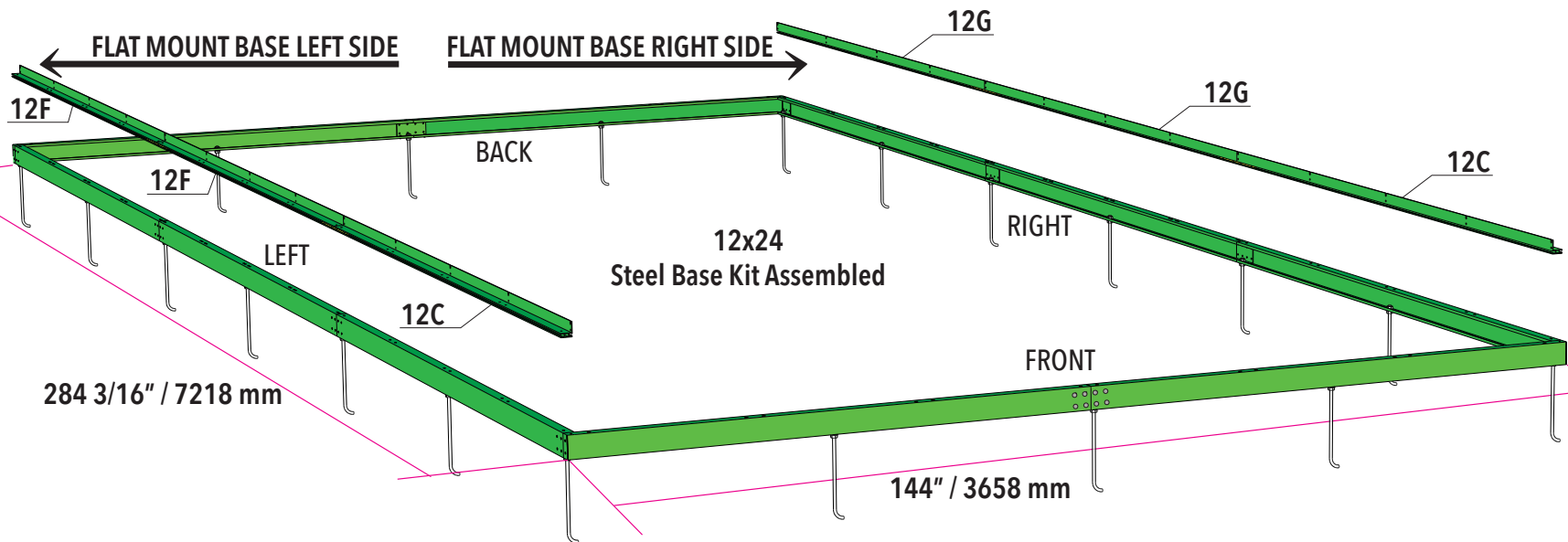
12x24 Grandio Summit with Steel Base Kit Dimensions

*The Steel Base Kit is sold separately from the Summit Greenhouse Kit and is to be installed directly into the Earth using the included L-Bolts which must be secured with Quikrete® or a similar concrete material. NOTE: concrete is not included, purchase at a local hardware store.

The side sections of the Flat Mount Base Kit will attach on top of the Steel Base Kit prior to earth install, the front and back walls must be assembled using the front and back Flat Mount Base pieces as will be instructed in Summit Manual 2.



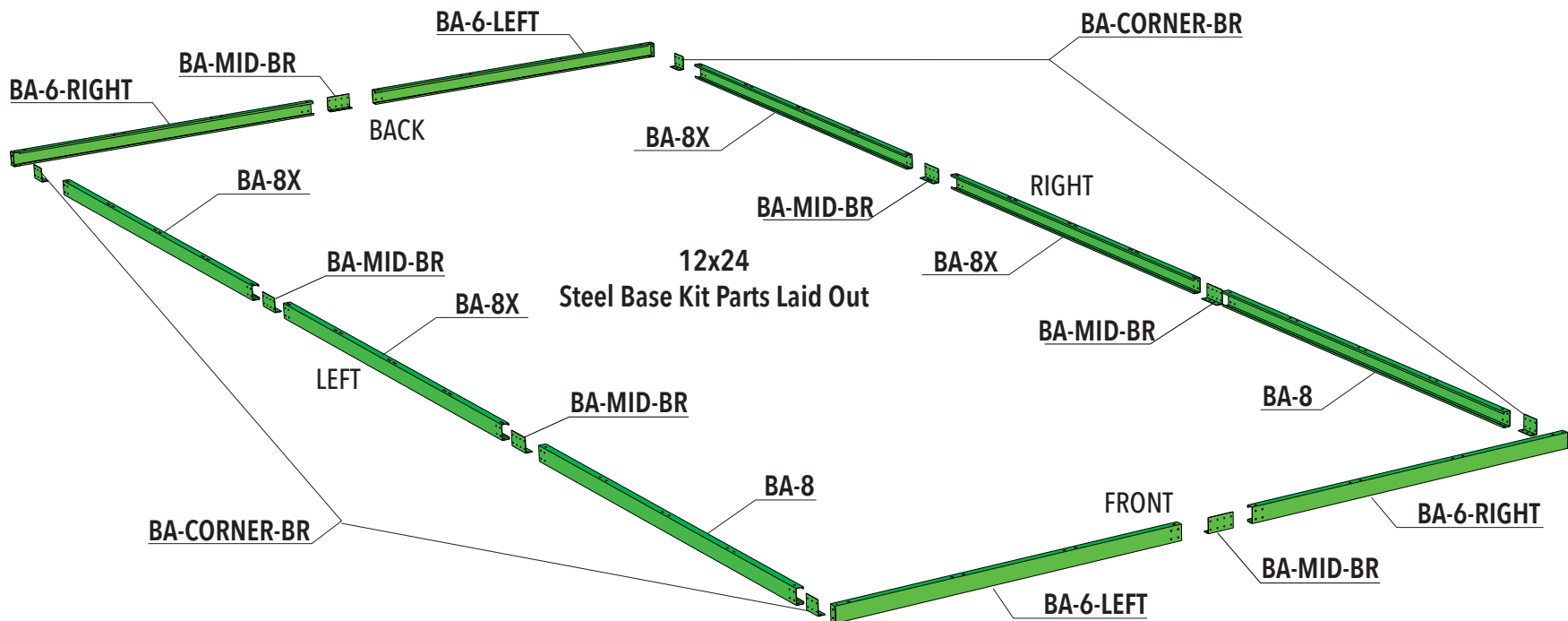
BACK FLAT MOUNT SECTION WILL BE SET ASIDE FOR LATER SECTIONS



FRONT FLAT MOUNT SECTION WILL BE SET ASIDE FOR LATER SECTIONS

GRANDIO SUMMIT 12x24 STEEL BASE KIT ASSEMBLY

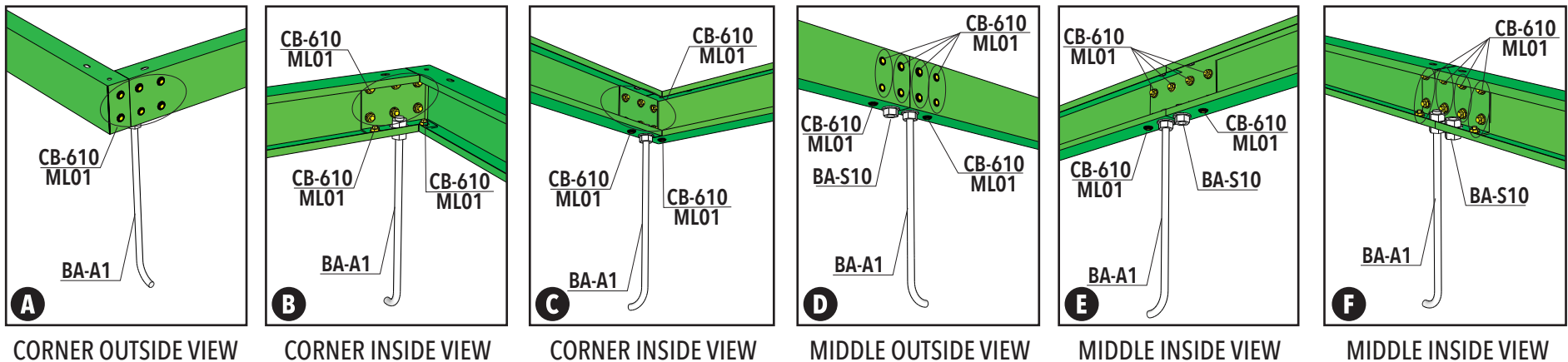
1. Lay out all the parts for your Steel Base Kit exactly as shown in the diagram below, failure to assemble exactly as shown will cause problems later in assembly.
2. Confirm that the small oval holes are all on the top side of the base kit, and the large round holes for the BA-A1 and BA-S10 bolts are facing downward for correct assembly. See the small diagrams on the next page for correct installation and orientation.



GRANDIO SUMMIT 12x24 STEEL BASE KIT ASSEMBLY

3. Use the CB-610 bolts with the ML01 nuts to assemble the steel base kit as shown in diagrams **A** , **B** , **C** , **D** , **E** , and **F** , at the bottom of this page. Note the CB-610's will be on the outside and the ML01 nut will be on the inside.

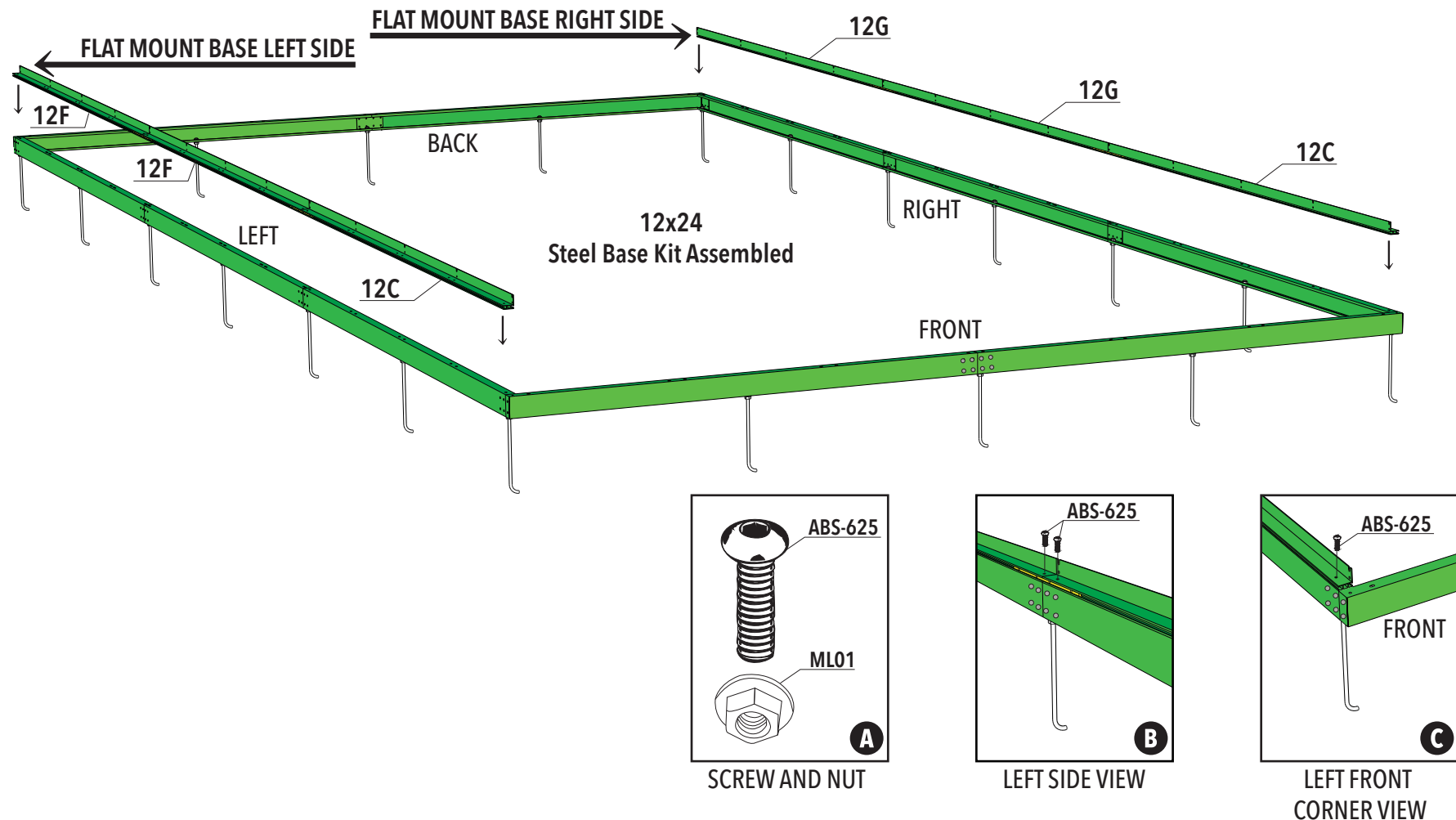
4. Install the BA-A1 and BA-S10 bolts into the large circular holes on the bottom side of the base kit, as is shown in the diagrams below. You may choose to place the BA-A1 and BA-S10 in opposite holes of what are shown in diagram **D** , **E** , and **F** .



GRANDIO SUMMIT 12x24 ATTACHING THE FLAT MOUNT BASE TO THE STEEL BASE KIT FOR EARTH INSTALLATION

1. Attach the side Flat Mount Base pieces to the Steel Base Kit as shown below using the ABS-625 screws with the ML01 nuts. See **A**, **B**, and **C**. Tighten the hardware using the (W16) 10 mm Wrench and (W17) Allen Driver.

* Set aside the Front and Back sections of the Flat Mount Base, these sections will be required to assemble the front and back walls in Manual 2.

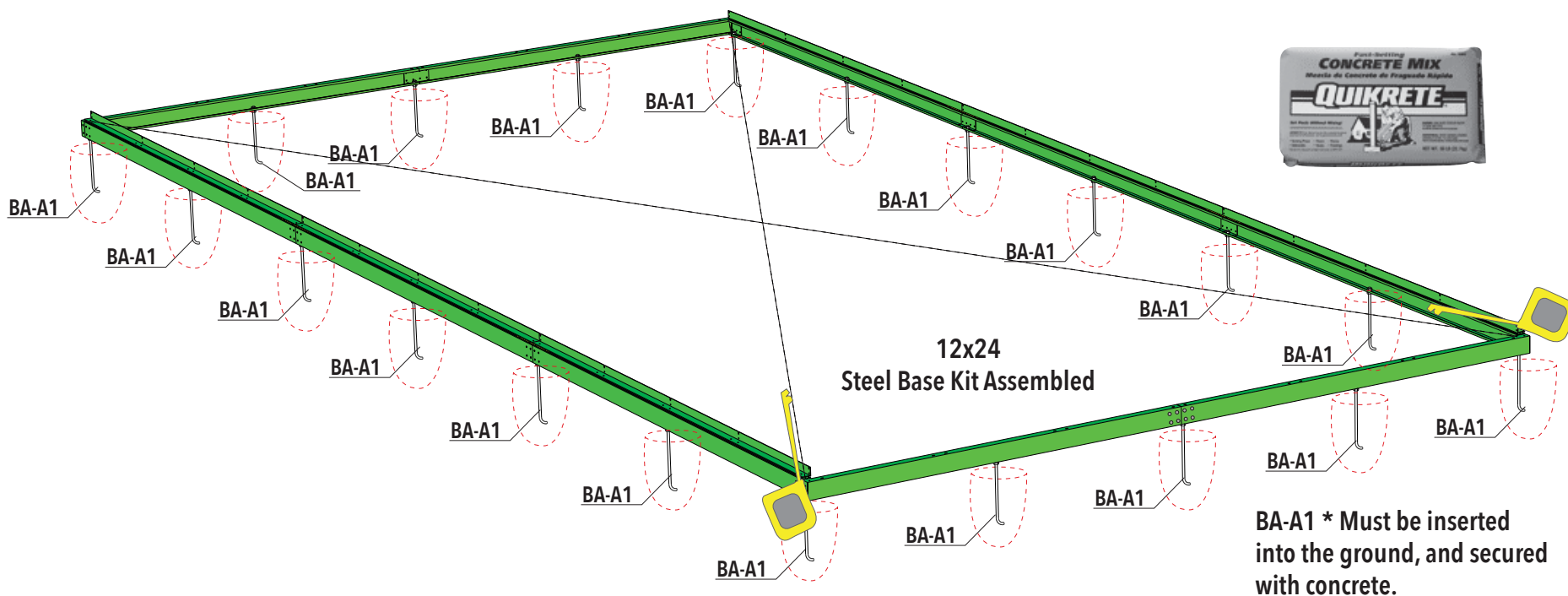


GRANDIO 12x24 SUMMIT STEEL BASE KIT EARTH INSTALLATION

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

WARNING: BASE KIT MUST BE LEVEL AND SQUARE, AN UNLEVEL BASE WILL AFFECT THE INTEGRITY OF YOUR GREENHOUSE.

1. Align the Steel Base Kit to your desired location. Measure corner to corner to confirm square, check that all sides are level, then mark the ground where the BA-A1 L-Bolts will reside with a marking paint. You will then move base aside in order to dig out the holes.
2. Dig out the holes for the BA-A1 anchors, then confirm the base is square and level again with the base kit moved back into place and BA-A1's in their respective holes. Check with your local building code for depth requirements.
3. We recommend you use a concrete mix such as Quikrete® fast setting concrete to secure the BA-A1 L-Bolts into place.
4. Follow the directions on your concrete mix. Confirm as the mix sets that the base is level and square. The BA-A1 L-Bolts may be adjusted up or down by turning the nuts attached to each BA-A1 that sandwich the base kit to assist in leveling the base kit after curing.



GRANDIO SUMMIT 12x28 DIMENSIONS

12x28 Grandio Summit with Flat Mount Base Kit

* The Flat Mount Base is included in each Summit Greenhouse Kit, and is designed to be installed on a wooden deck or concrete slab.

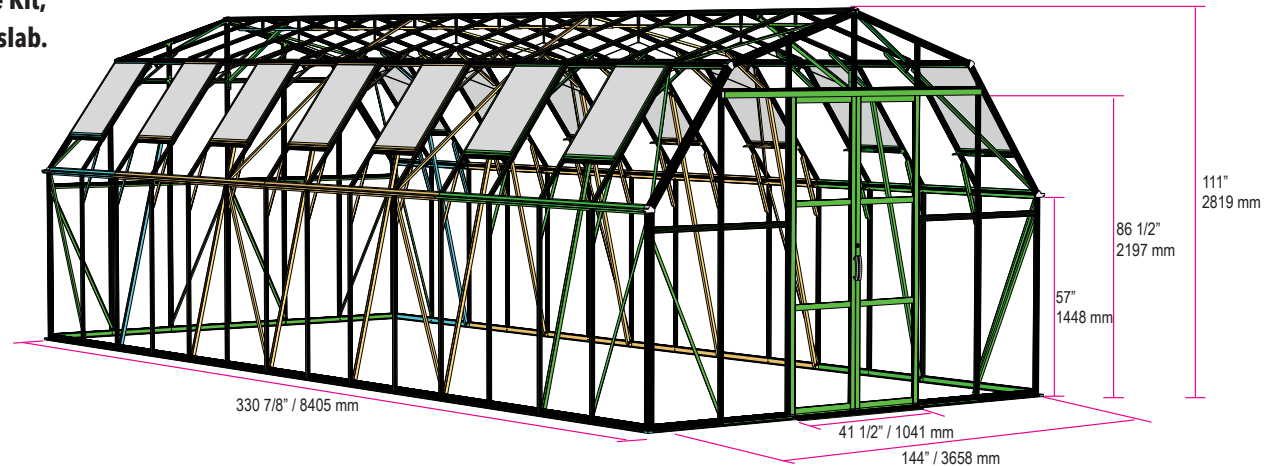
Exterior Dimensions: 144" W x 330 7/8" L

Interior Dimensions: 141.25" W x 328 1/16" L

Door Dimensions: 41.5" W x 85.25" H

Bottom Side of Gutter Height: 57" H

Peak Roof Height: 111" H



12x28 Grandio Summit with Steel Base Kit Dimensions

*The Steel Base Kit is sold separately from the Summit Greenhouse Kit and is designed to be installed directly into the Earth using the included L-Bolts which must be secured into Quikrete® or a similar concrete material.

The Flat Mount Base Kit will attach on top of the Steel Base Kit.

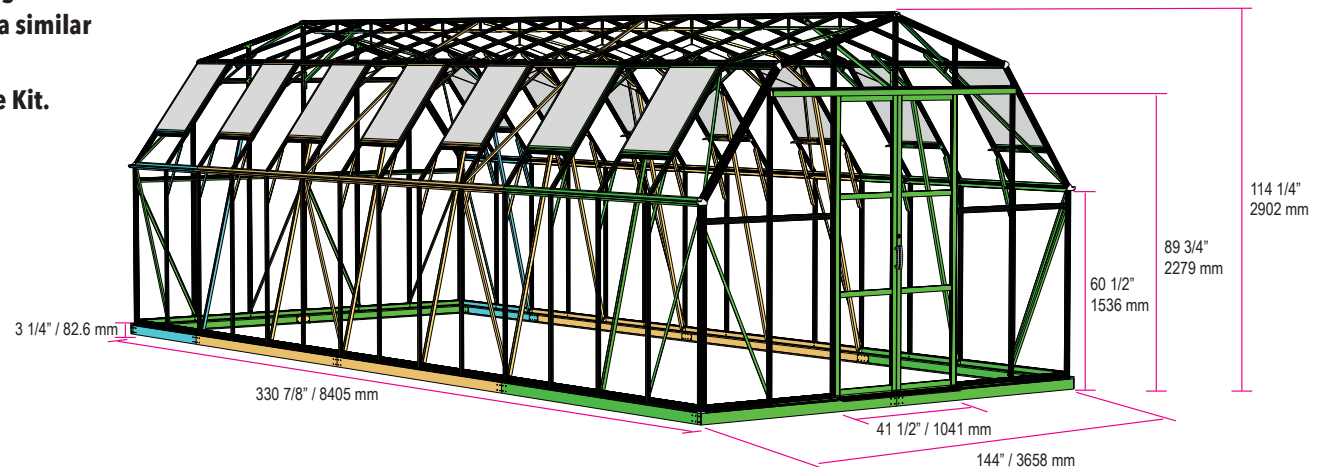
Exterior Dimensions: 144" W x 330 7/8" L

Interior Dimensions: 141.25" W x 328 1/16" L

Door Dimensions: 41.5" W x 85.25" H

Bottom Side of Gutter Height: 60.5" H

Peak Roof Height: 114.25" H

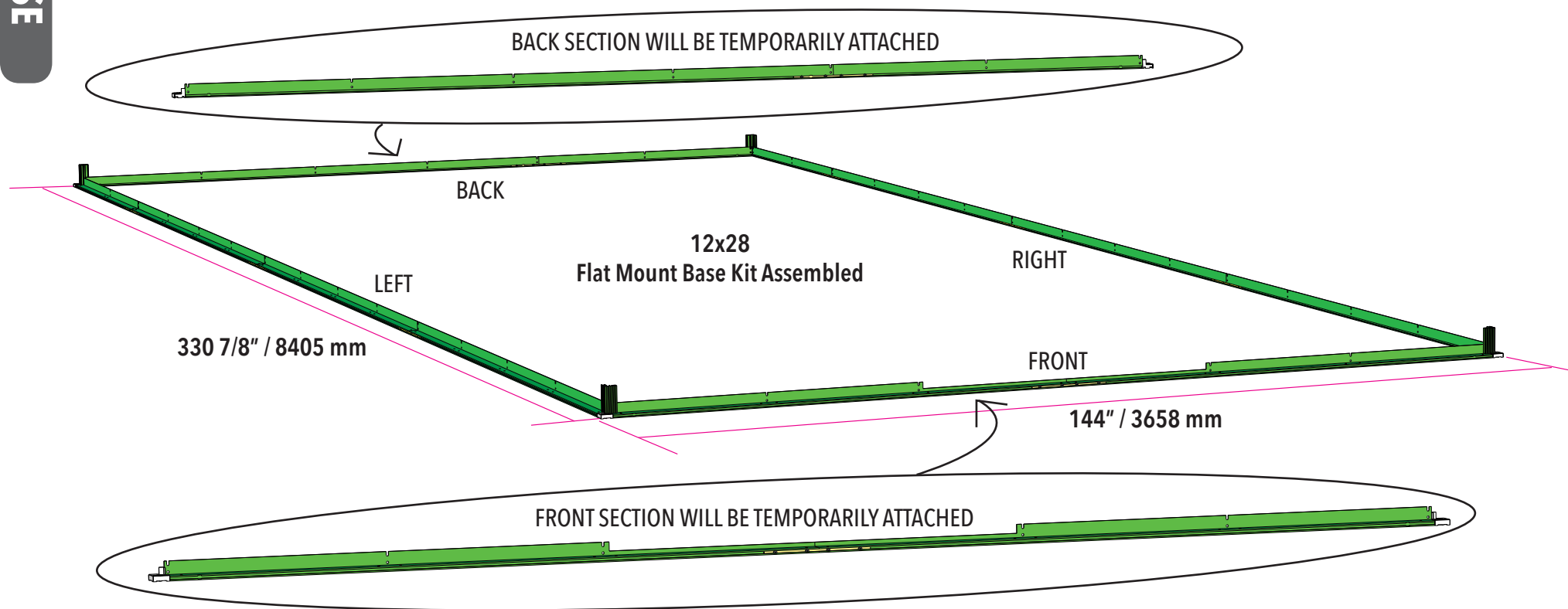


GRANDIO SUMMIT 12x28 FLAT MOUNT BASE ASSEMBLY

* The Flat Mount Base is included in each Summit Greenhouse Kit. The Flat Mount Base is designed to be installed on a wooden deck or concrete slab type surface. If you are using a Steel Base Kit for installing into the earth you will follow these instructions to assemble the Flat Mount section, but will then attach the Flat Mount Kit onto your Steel Base Kit.

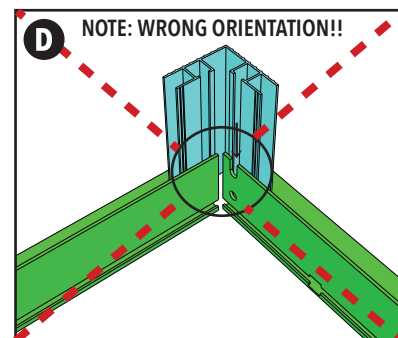
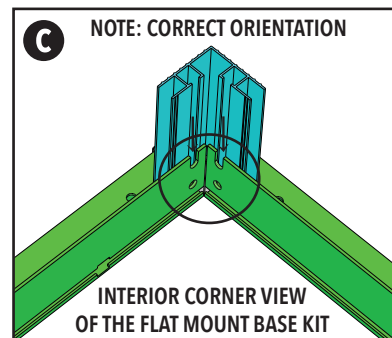
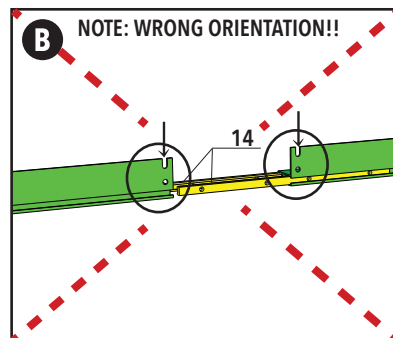
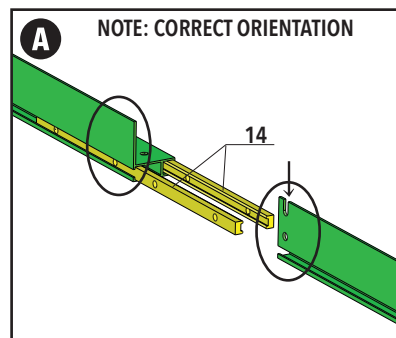
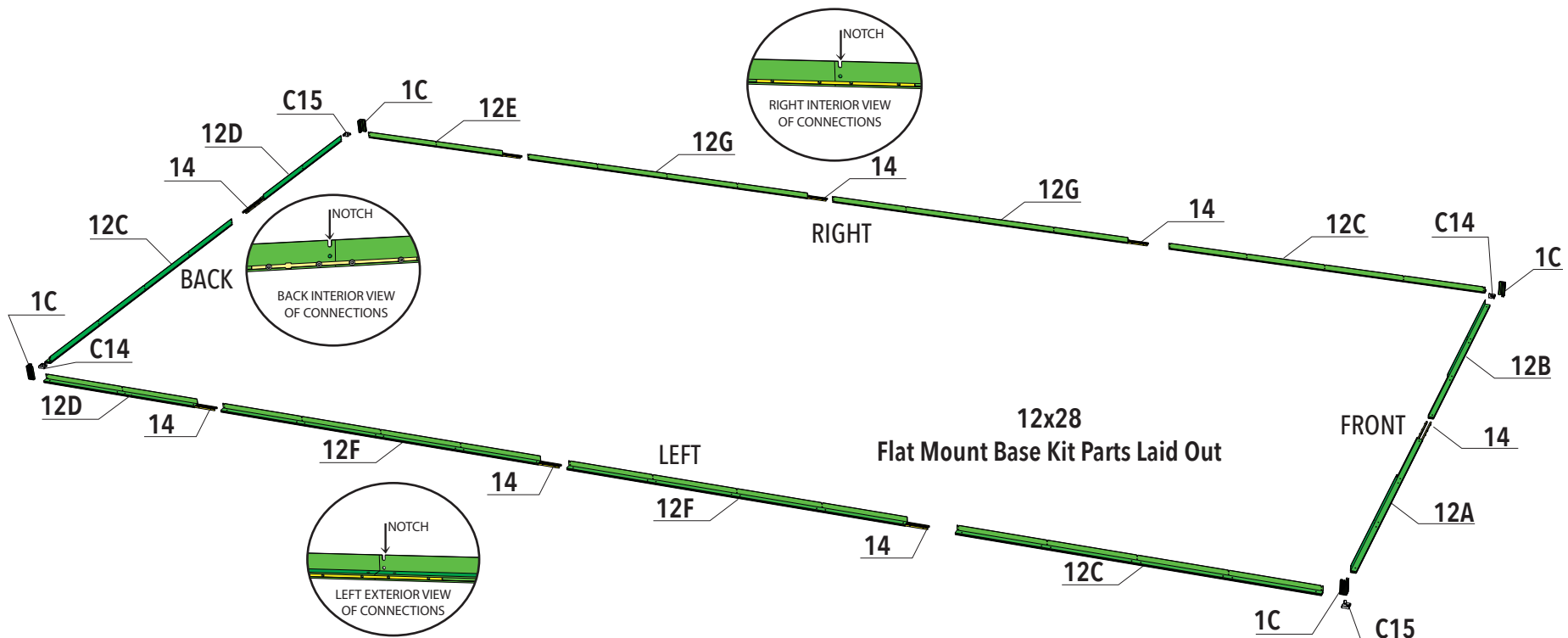
The Flat Mount Kit will be assembled as shown in this section, then secured to the surface of your choice using the proper anchoring hardware.

You will drill all holes into your surface for the entire base kit and temporarily affix into place, you will need to remove the front and back sections in order to build your front and back walls as will be shown in the Summit Greenhouse Assembly Manual 2.



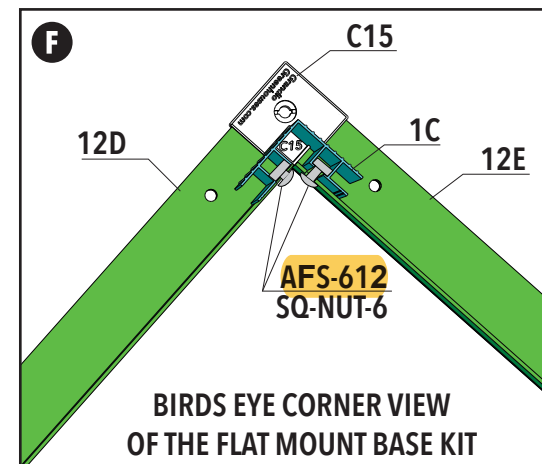
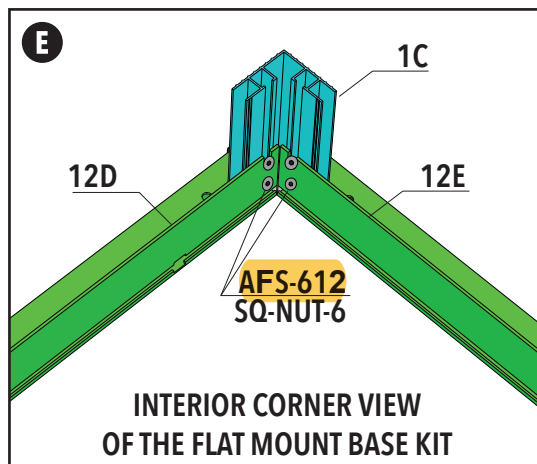
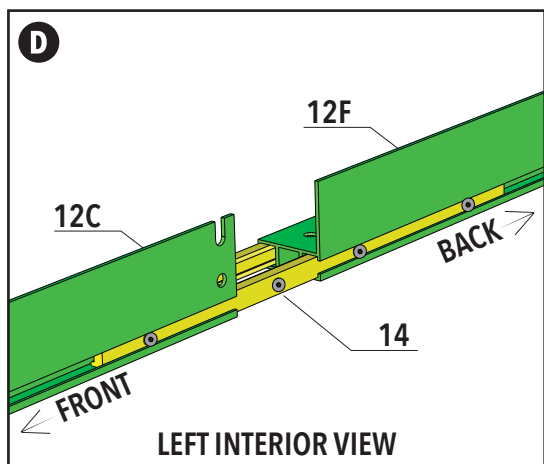
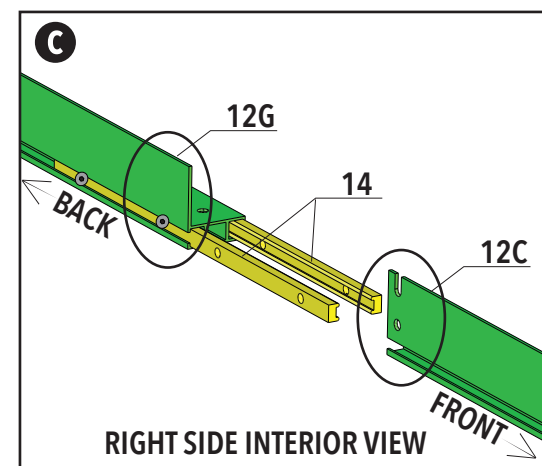
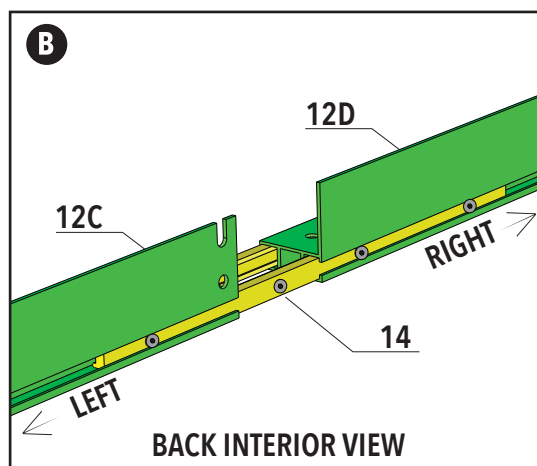
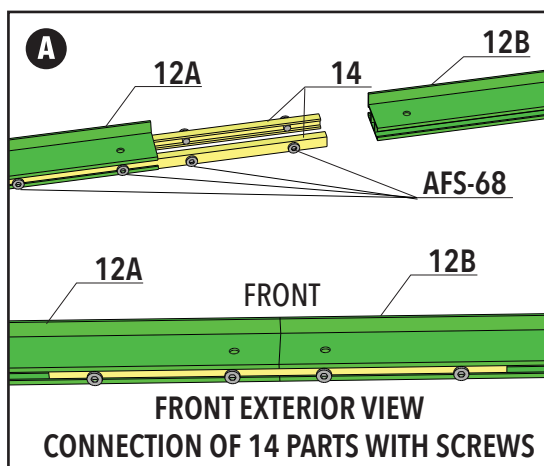
GRANDIO SUMMIT 12x28 FLAT MOUNT BASE ASSEMBLY

1. Lay out all of the parts exactly as shown in the diagram below. Confirm that the front is where you want your doors to be located. Be sure the pieces are laid out exactly like the diagram, note that notches will have a 23" gap between each other, no notches should be right next to each other except at the corners. See **A** , **B** , **C** and **D** to confirm you have the correct orientation prior to assembly.



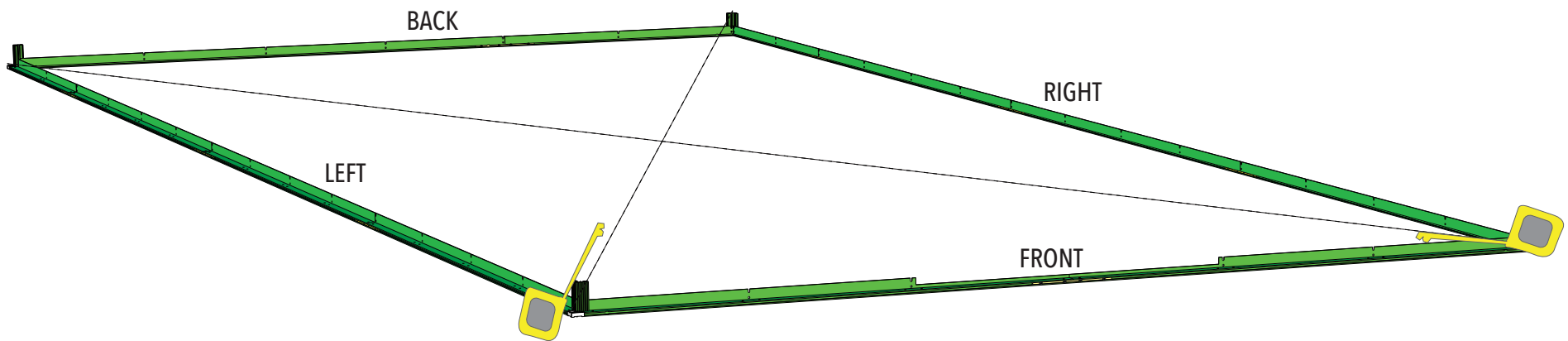
GRANDIO SUMMIT 12x28 FLAT MOUNT BASE ASSEMBLY

2. Connect the FRONT 12A and 12B pieces using the 14's and the AFS-68 screws. See diagram **A**.
3. Connect the BACK section 12C and 12D using the 14's and the AFS-68 screws. See diagram **B**.
4. Connect the RIGHT side 12C with the 12G using the 14's and the AFS-68 screws, see diagram **C**. Repeat connecting the 12G with the 12G, and 12G with 12E.
- *REFER TO LAYOUT DIAGRAM ON PREVIOUS PAGE AS NEEDED.
5. Connect the LEFT side 12C with the 12F using the 14's and the AFS-68 screws, see diagram **D**. Repeat connecting the 12F with the 12F, and 12F with 12D.
6. Assemble the base kit as shown using the AFS-612 screws with the SQ-NUT-6 nuts at the 1C corners. See diagrams **E** and **F**.



GRANDIO SUMMIT 12x28 FLAT MOUNT BASE INSTALLATION

1. Square and Level your Flat Mount Base Kit to your Concrete or Wooden surface or pad.
 2. Measure corner to corner and confirm square. Use the appropriate anchoring fastener that was chosen at the time of purchase. Reference the instructions that come with your anchoring kit. Drill the holes into your surface, blow out the debris, then install the screws. Keep the Left side (12C, 12F, 12F and 12D) and the Right side (12C, 12G, 12G and 12E) in place with the anchors installed and tightened into place.
 3. You will need to remove the Front and Back Flat Mount Base sections in order to build the Front and Back walls, as the base pieces will be used for the bottom edge of the Front and Back walls. You will re-attach the base pieces into place once the Front and Back walls are built.
- *Discard the 1C spacers after the anchors have been installed.

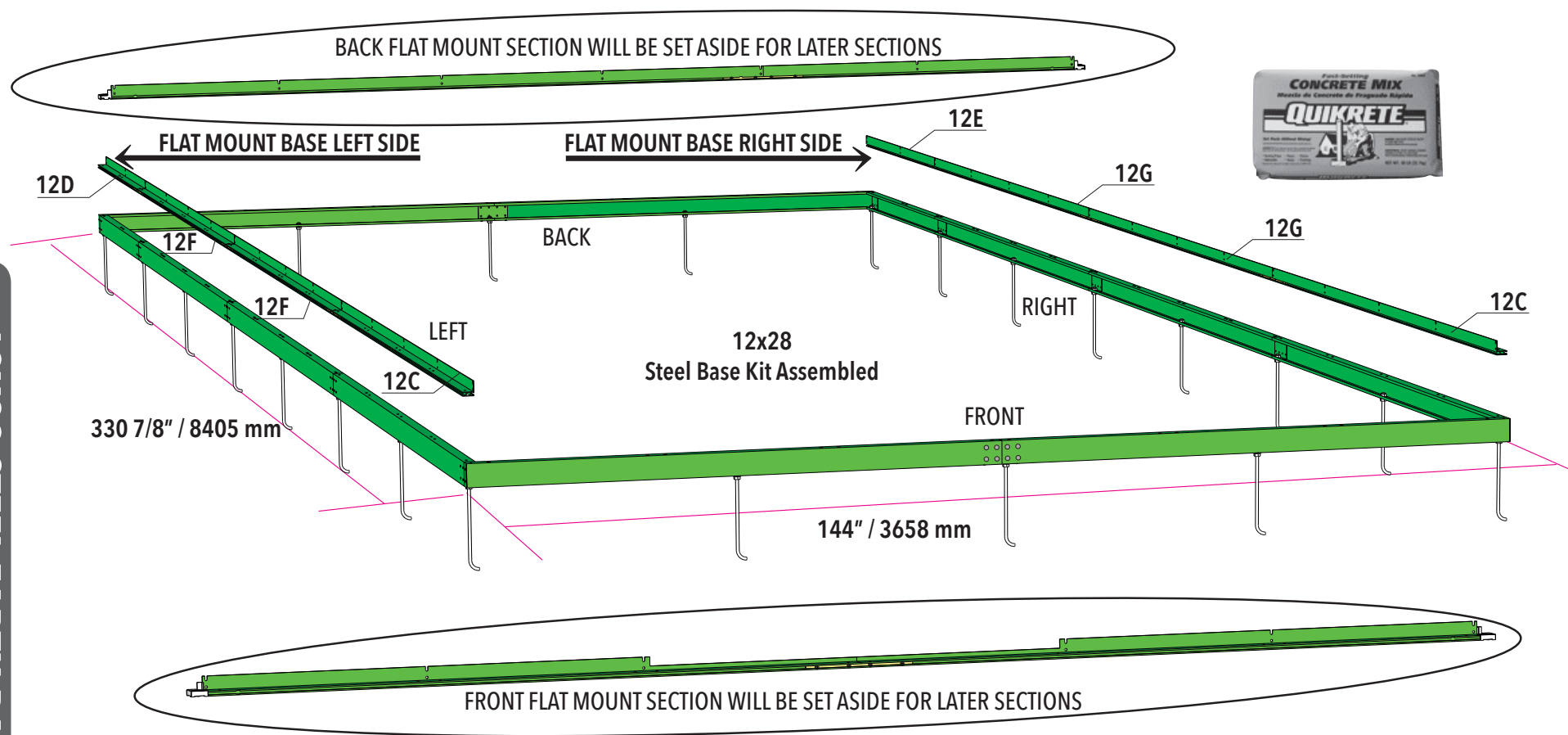


GRANDIO SUMMIT 12x28 STEEL EARTH BASE KIT DIMENSIONS

12x28 Grandio Summit with Steel Base Kit Dimensions

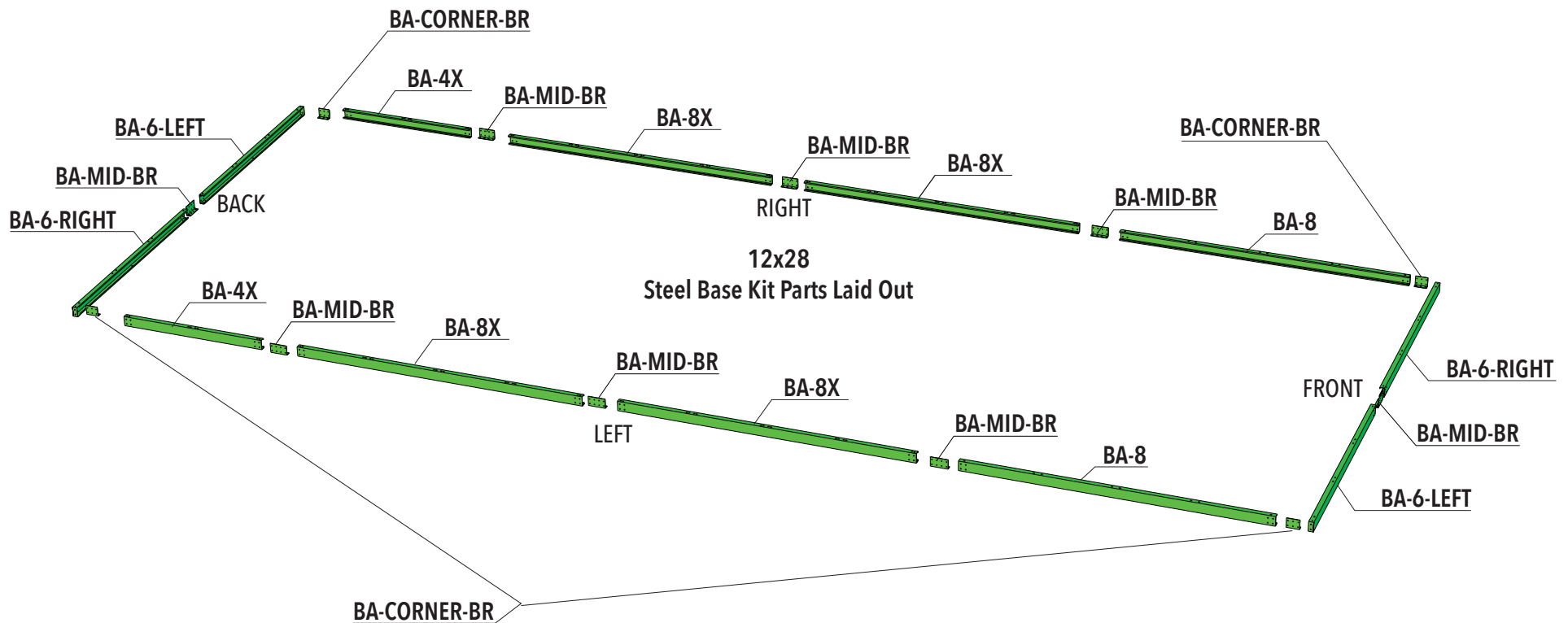
*The Steel Base Kit is sold separately from the Summit Greenhouse Kit and is to be installed directly into the Earth using the included L-Bolts which must be secured with Quikrete® or a similar concrete material. NOTE: concrete is not included, purchase at a local hardware store.

The side sections of the Flat Mount Base Kit will attach on top of the Steel Base Kit prior to earth install, the front and back walls must be assembled using the front and back Flat Mount Base pieces as will be instructed in Summit Manual 2.



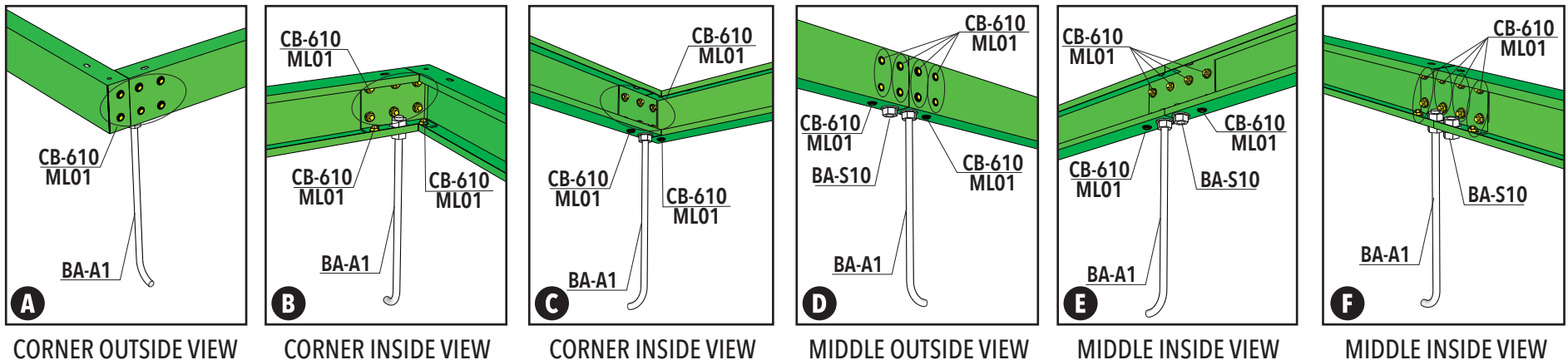
GRANDIO SUMMIT 12x28 STEEL BASE KIT ASSEMBLY

1. Lay out all the parts for your Steel Base Kit exactly as shown in the diagram below, failure to assemble exactly as shown will cause problems later in assembly.
2. Confirm that the small oval holes are all on the top side of the base kit, and the large round holes for the BA-A1 and BA-S10 bolts are facing downward for correct assembly. See the small diagrams on the next page for correct installation and orientation.



GRANDIO SUMMIT 12x28 STEEL BASE KIT ASSEMBLY

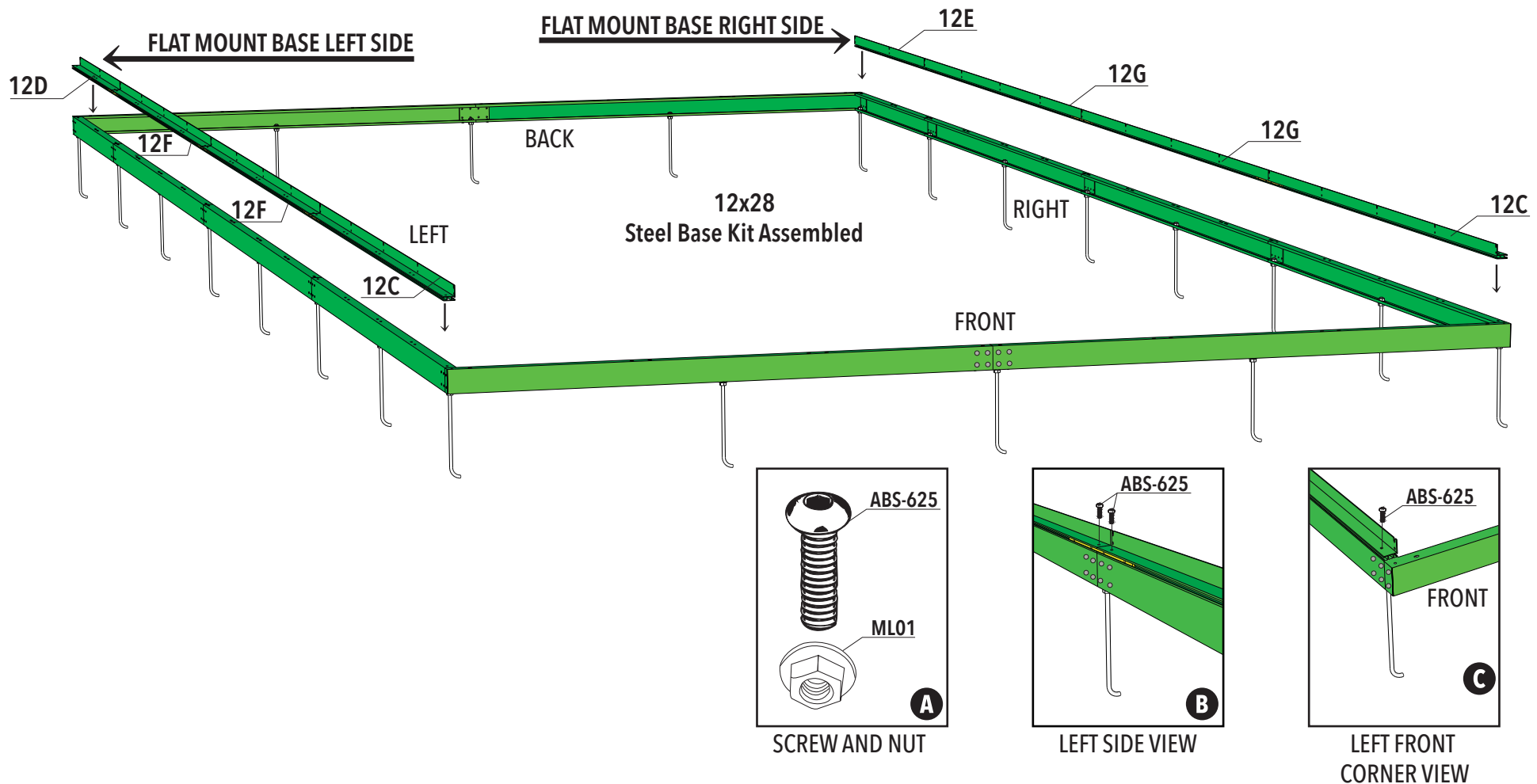
3. Use the CB-610 bolts with the ML01 nuts to assemble the steel base kit as shown in diagrams **A** , **B** , **C** , **D** , **E** , and **F** , at the bottom of this page. Note the CB-610's will be on the outside and the ML01 nut will be on the inside.
4. Install the BA-A1 and BA-S10 bolts into the large circular holes on the bottom side of the base kit, as is shown in the diagrams below. You may choose to place the BA-A1 and BA-S10 in opposite holes of what are shown in diagram **D** , **E** , and **F** .



GRANDIO SUMMIT 12x28 ATTACHING THE FLAT MOUNT BASE TO THE STEEL BASE KIT FOR EARTH INSTALLATION

1. Attach the side Flat Mount Base pieces to the Steel Base Kit as shown below using the ABS-625 screws with the ML01 nuts. See **A**, **B**, and **C**. Tighten the hardware using the (W16) 10 mm Wrench and (W17) Allen Driver.

* Set aside the Front and Back sections of the Flat Mount Base, these sections will be required to assemble the front and back walls in Manual 2.

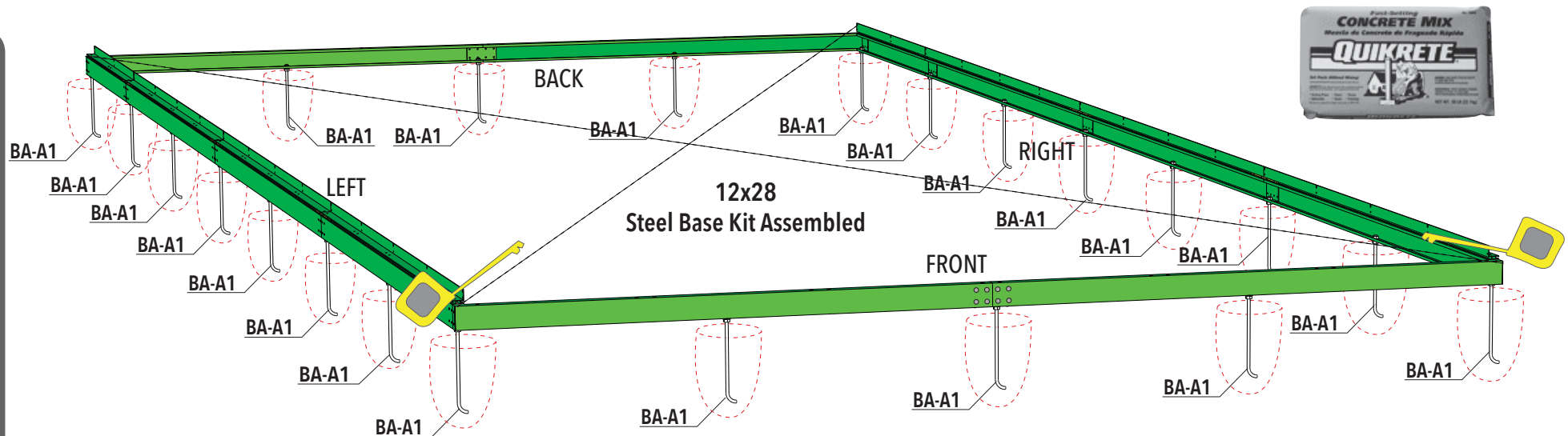


GRANDIO 12x28 SUMMIT STEEL BASE KIT EARTH INSTALLATION

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

WARNING: BASE KIT MUST BE LEVEL AND SQUARE, AN UNLEVEL BASE WILL AFFECT THE INTEGRITY OF YOUR GREENHOUSE.

1. Align the Steel Base Kit to your desired location. Measure corner to corner to confirm square, check that all sides are level, then mark the ground where the BA-A1 L-Bolts will reside with a marking paint. You will then move base aside in order to dig out the holes.
2. Dig out the holes for the BA-A1 anchors, then confirm the base is square and level again with the base kit moved back into place and BA-A1's in their respective holes. Check with your local building code for depth requirements.
3. We recommend you use a concrete mix such as Quikrete® fast setting concrete to secure the BA-A1 L-Bolts into place.
4. Follow the directions on your concrete mix. Confirm as the mix sets that the base is level and square. The BA-A1 L-Bolts may be adjusted up or down by turning the nuts attached to each BA-A1 that sandwich the base kit to assist in leveling the base kit after curing.



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

GRANDIO SUMMIT 12x32 DIMENSIONS

12x32 Grandio Summit with Flat Mount Base Kit

* The Flat Mount Base is included in each Summit Greenhouse Kit, and is designed to be installed on a wooden deck or concrete slab.

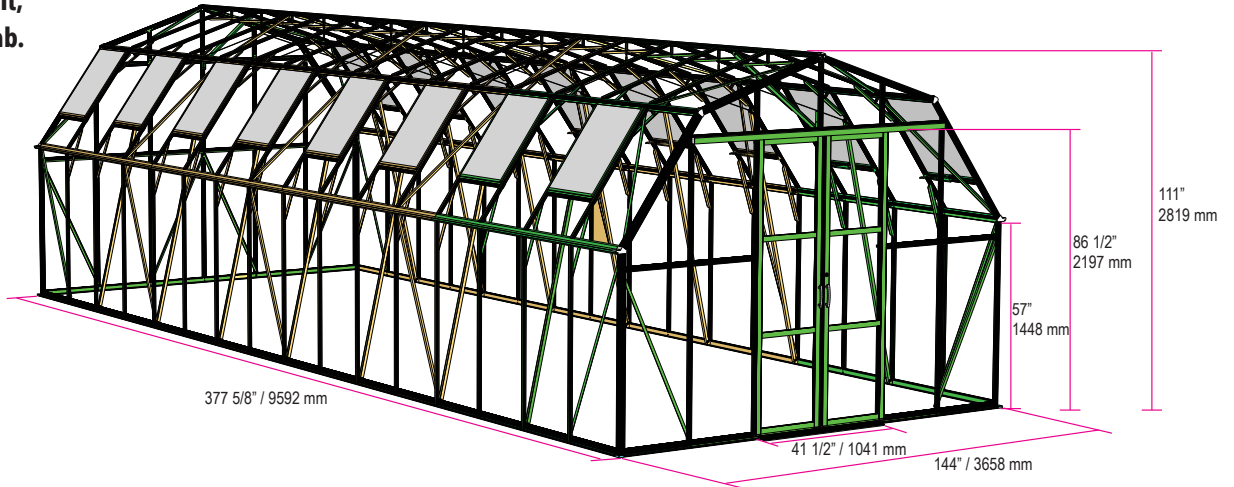
Exterior Dimensions: 144" W x 377 5/8" L

Interior Dimensions: 141.25" W x 374 13/16" L

Door Dimensions: 41.5" W x 85.25" H

Bottom Side of Gutter Height: 57" H

Peak Roof Height: 111" H



12x32 Grandio Summit with Steel Base Kit Dimensions

*The Steel Base Kit is sold separately from the Summit Greenhouse Kit and is designed to be installed directly into the Earth using the included L-Bolts which must be secured into Quikrete® or a similar concrete material.

The Flat Mount Base Kit will attach on top of the Steel Base Kit.

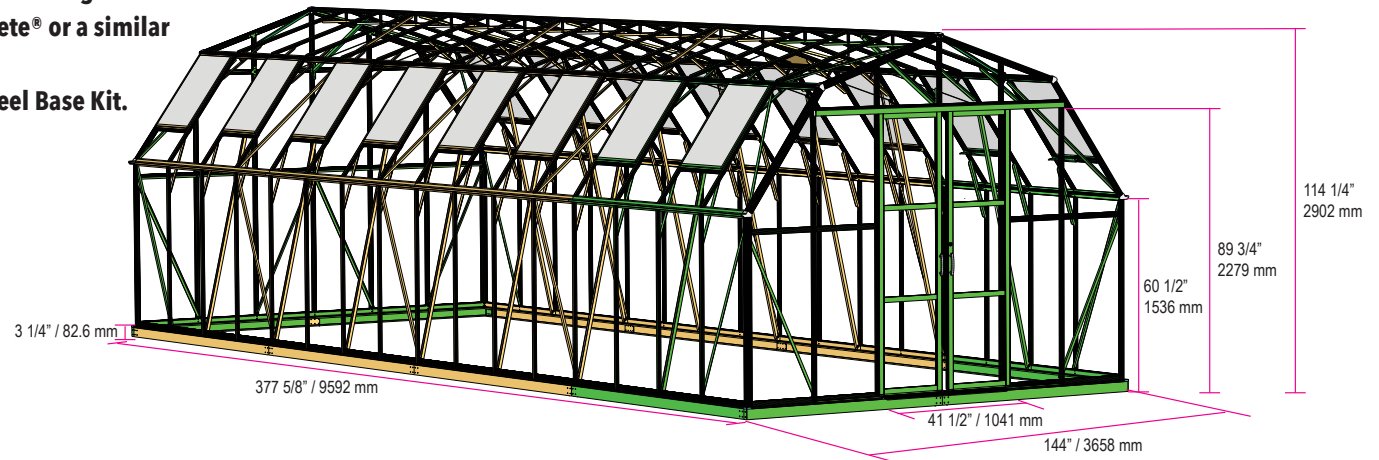
Exterior Dimensions: 144" W x 377 5/8" L

Interior Dimensions: 141.25" W x 374 13/16" L

Door Dimensions: 41.5" W x 85.25" H

Bottom Side of Gutter Height: 60.5" H

Peak Roof Height: 114.25" H

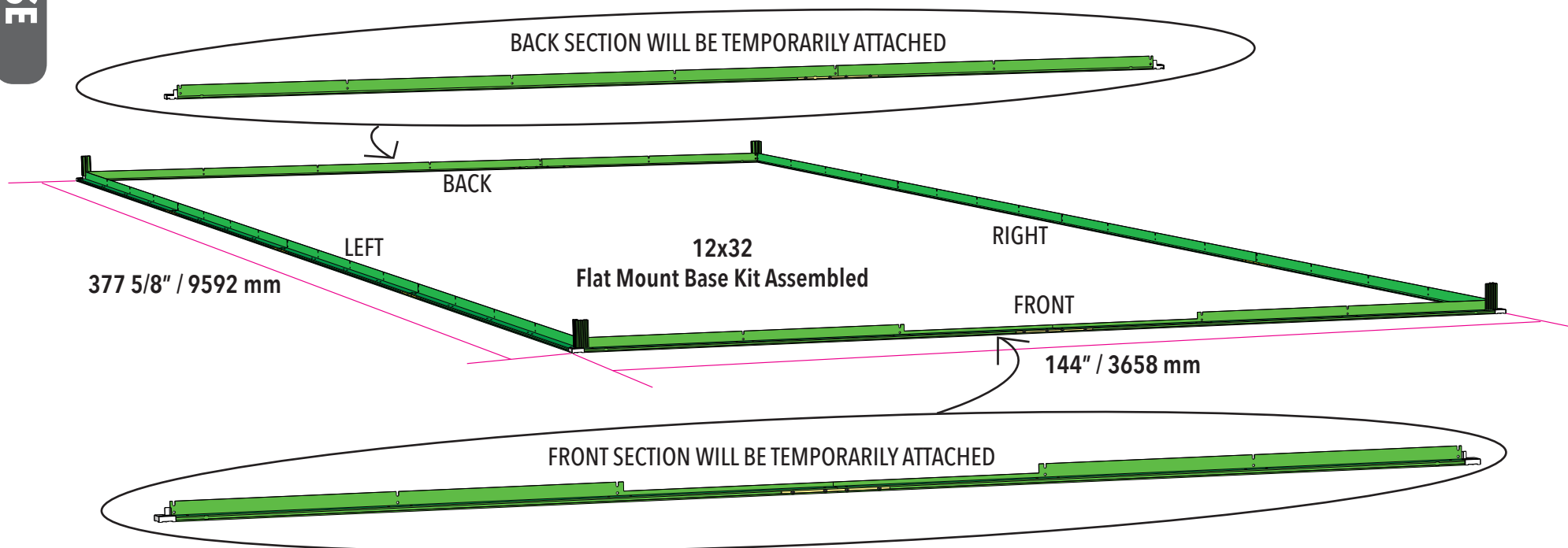


GRANDIO SUMMIT 12x32 FLAT MOUNT BASE ASSEMBLY

* The Flat Mount Base is included in each Summit Greenhouse Kit. The Flat Mount Base is designed to be installed on a wooden deck or concrete slab type surface. If you are using a Steel Base Kit for installing into the earth you will follow these instructions to assemble the Flat Mount section, but will then attach the Flat Mount Kit onto your Steel Base Kit.

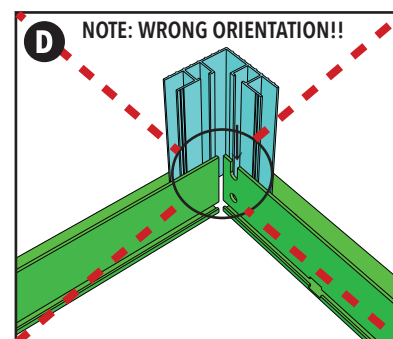
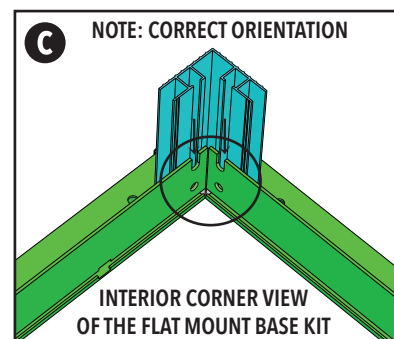
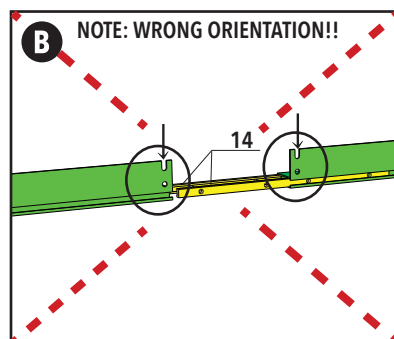
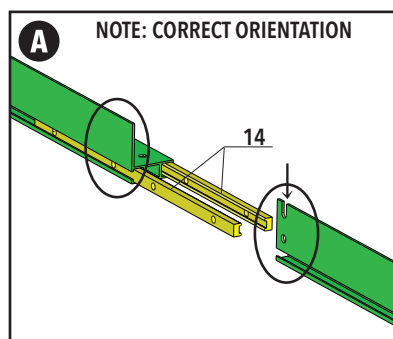
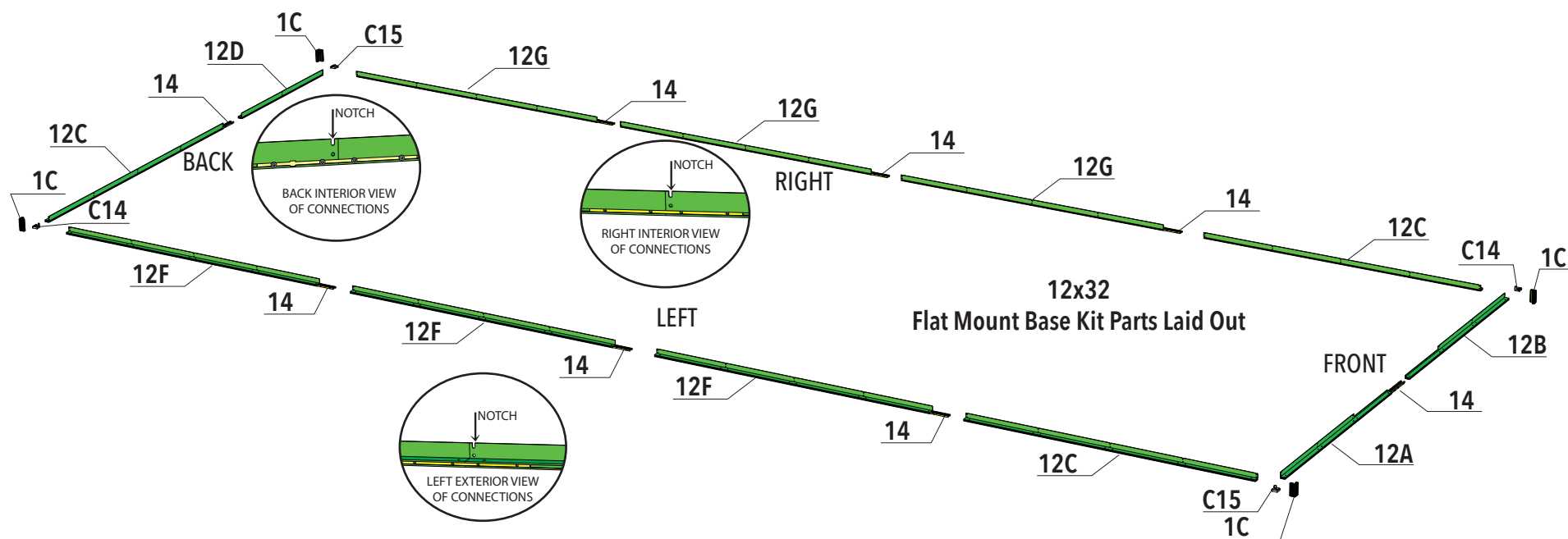
The Flat Mount Kit will be assembled as shown in this section, then secured to the surface of your choice using the proper anchoring hardware.

You will drill all holes into your surface for the entire base kit and temporarily affix into place, you will need to remove the front and back sections in order to build your front and back walls as will be shown in the Summit Greenhouse Assembly Manual 2.



GRANDIO SUMMIT 12x32 FLAT MOUNT BASE ASSEMBLY

1. Lay out all of the parts exactly as shown in the diagram below. Confirm that the front is where you want your doors to be located. Be sure the pieces are laid out exactly like the diagram, note that notches will have a 23" gap between each other, no notches should be right next to each other except at the corners. See **A** , **B** , **C** and **D** to confirm you have the correct orientation prior to assembly.

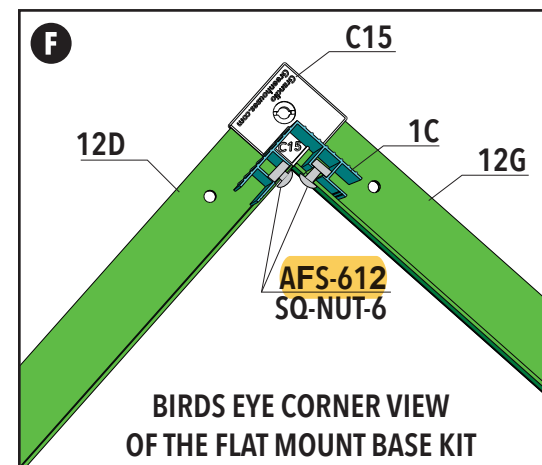
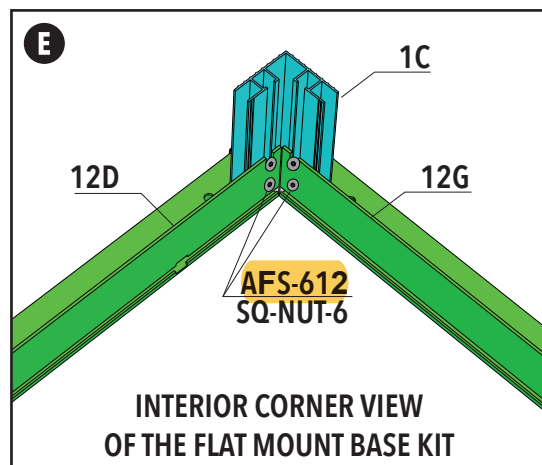
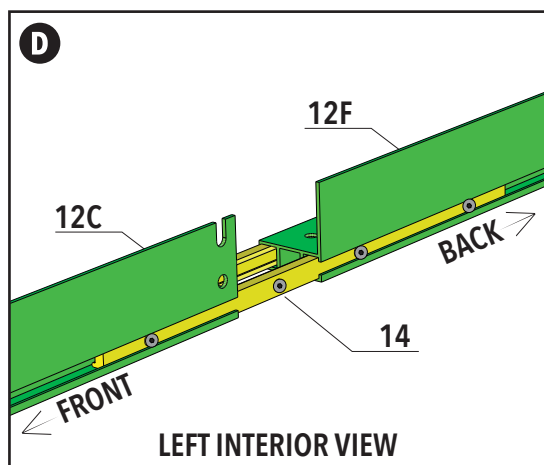
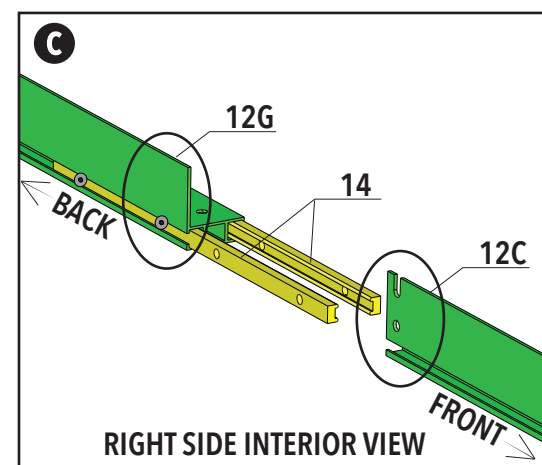
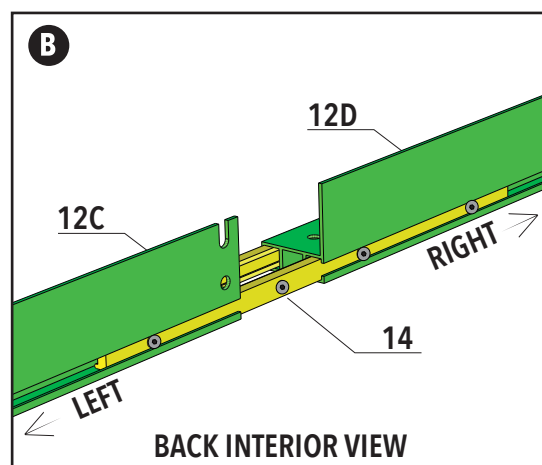
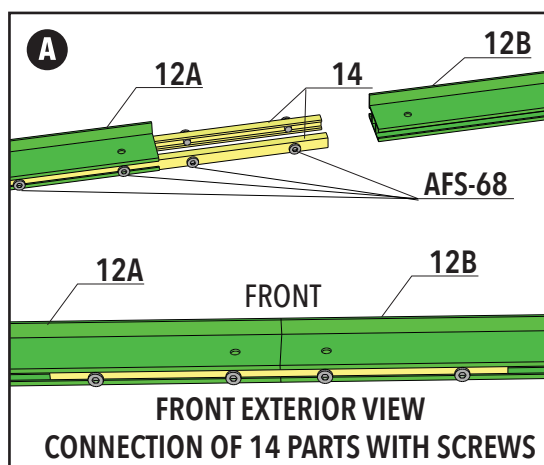


GRANDIO SUMMIT 12x32 FLAT MOUNT BASE ASSEMBLY

2. Connect the FRONT 12A and 12B pieces using the 14's and the AFS-68 screws. See diagram **A**.
3. Connect the BACK section 12C and 12D using the 14's and the AFS-68 screws. See diagram **B**.
4. Connect the RIGHT side 12C with the 12G using the 14's and the AFS-68 screws, see diagram **C**. Repeat connecting the 12G with the 12G, and 12G with 12G.

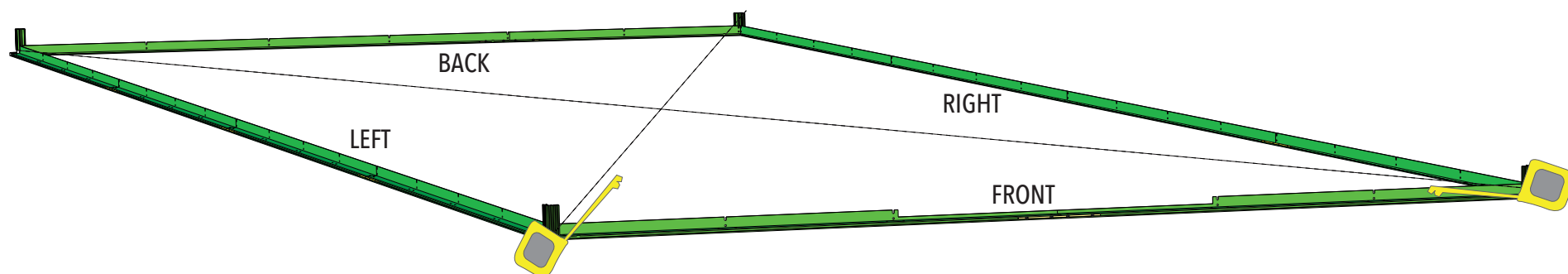
*REFER TO LAYOUT DIAGRAM ON PREVIOUS PAGE AS NEEDED.

5. Connect the LEFT side 12C with the 12F using the 14's and the AFS-68 screws, see diagram **D**. Repeat connecting the 12F with the 12F, and 12F with 12F.
6. Assemble the base kit as shown using the AFS-612 screws with the SQ-NUT-6 nuts at the 1C corners. See diagrams **E** and **F**.



GRANDIO SUMMIT 12x32 FLAT MOUNT BASE INSTALLATION

1. Square and Level your Flat Mount Base Kit to your Concrete or Wooden surface or pad.
 2. Measure corner to corner and confirm square. Use the appropriate anchoring fastener that was chosen at the time of purchase. Reference the instructions that come with your anchoring kit. Drill the holes into your surface, blow out the debris, then install the screws. Keep the Left side (12C, 12F, 12F and 12F) and the Right side (12C, 12G, 12G and 12G) in place with the anchors installed and tightened into place.
 3. You will need to remove the Front and Back Flat Mount Base sections in order to build the Front and Back walls, as the base pieces will be used for the bottom edge of the Front and Back walls. You will re-attach the base pieces into place once the Front and Back walls are built.
- *Discard the 1C spacers after the anchors have been installed.



GRANDIO SUMMIT 12x32 STEEL EARTH BASE KIT DIMENSIONS

12x32 Grandio Summit with Steel Base Kit Dimensions

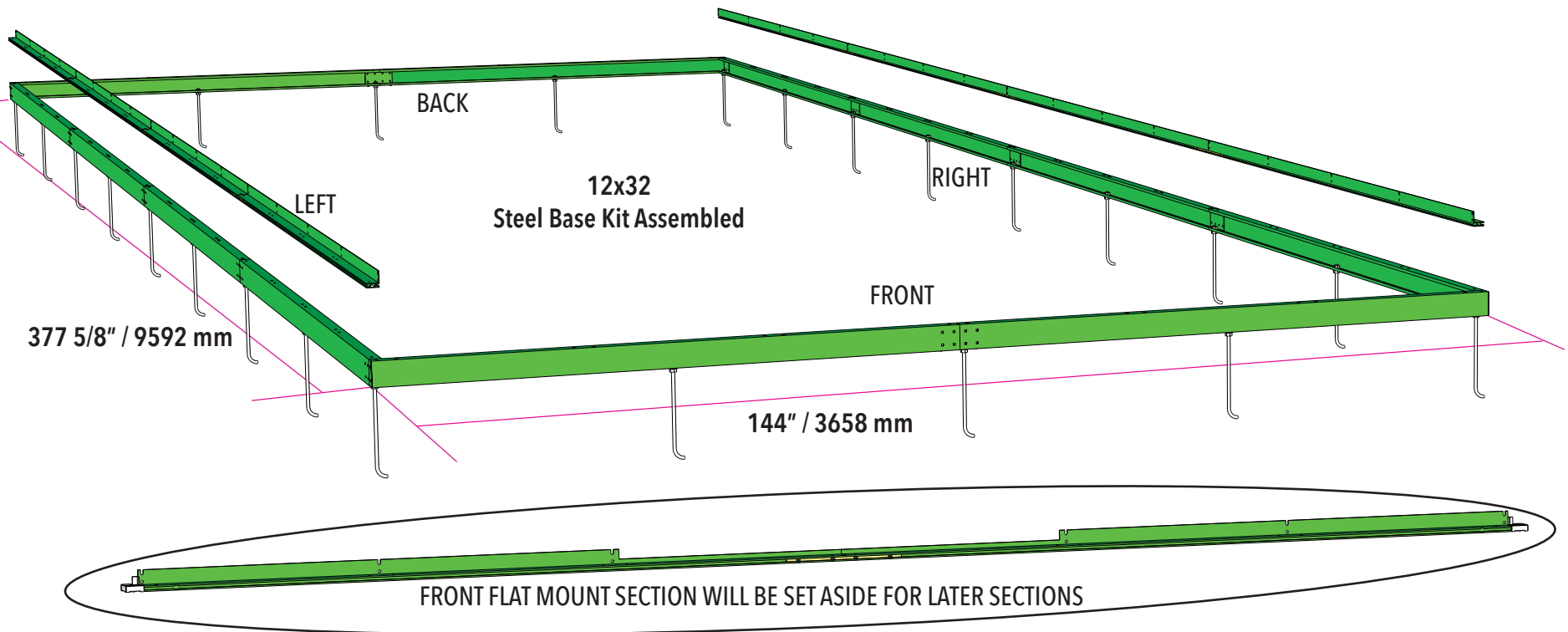
*The Steel Base Kit is sold separately from the Summit Greenhouse Kit and is to be installed directly into the Earth using the included L-Bolts which must be secured with Quikrete® or a similar concrete material. NOTE: concrete is not included, purchase at a local hardware store.

The side sections of the Flat Mount Base Kit will attach on top of the Steel Base Kit prior to earth install, the front and back walls must be assembled using the front and back Flat Mount Base pieces as will be instructed in Summit Manual 2.

BACK FLAT MOUNT SECTION WILL BE SET ASIDE FOR LATER SECTIONS



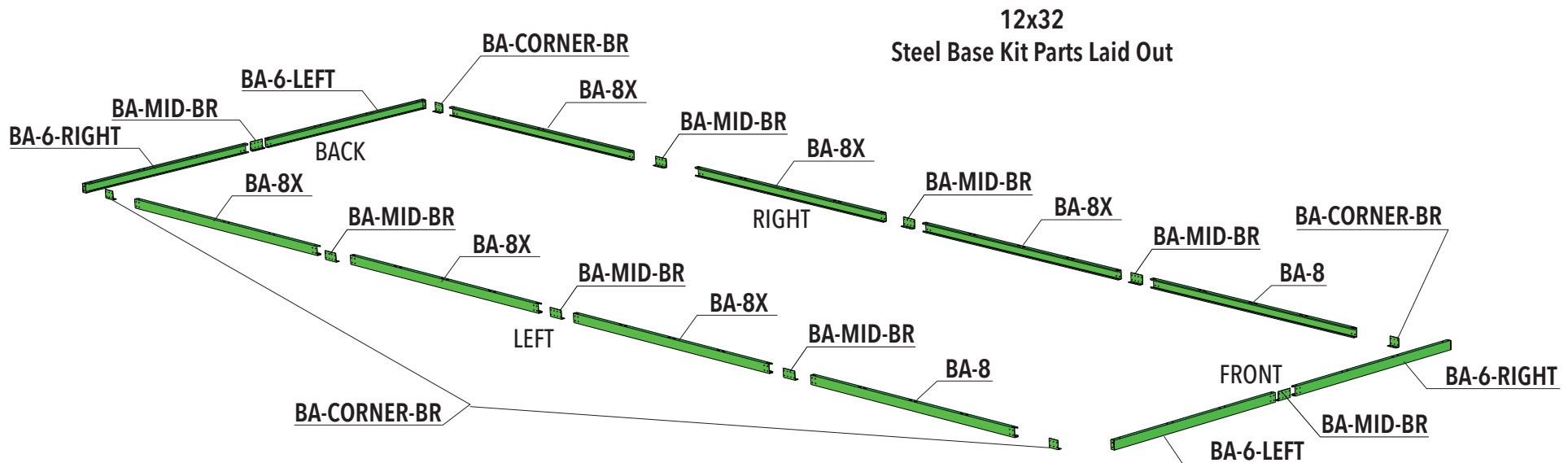
12X32 STEEL EARTH BASE



FRONT FLAT MOUNT SECTION WILL BE SET ASIDE FOR LATER SECTIONS

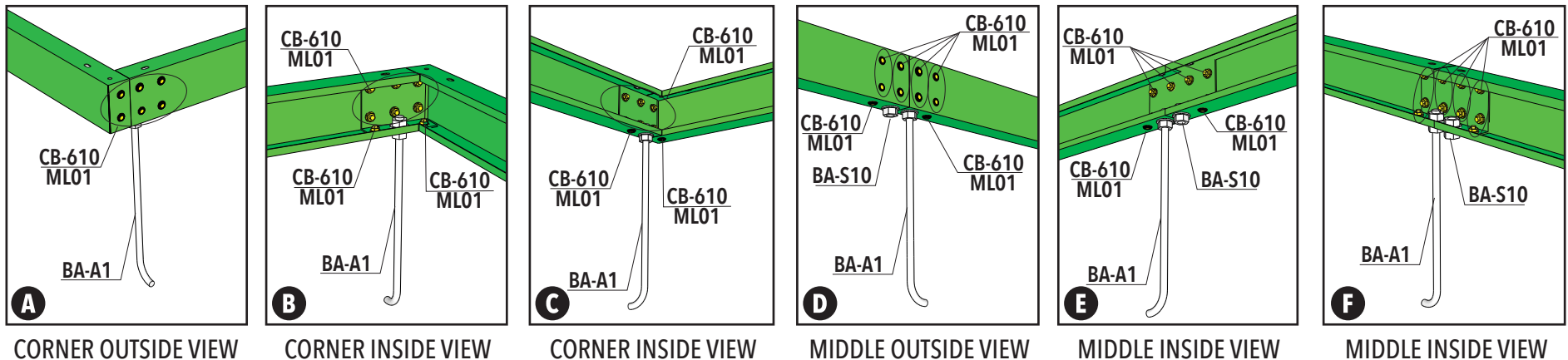
GRANDIO SUMMIT 12x32 STEEL BASE KIT ASSEMBLY

1. Lay out all the parts for your Steel Base Kit exactly as shown in the diagram below, failure to assemble exactly as shown will cause problems later in assembly.
2. Confirm that the small oval holes are all on the top side of the base kit, and the large round holes for the BA-A1 and BA-S10 bolts are facing downward for correct assembly. See the small diagrams on the next page for correct installation and orientation.



GRANDIO SUMMIT 12x32 STEEL BASE KIT ASSEMBLY

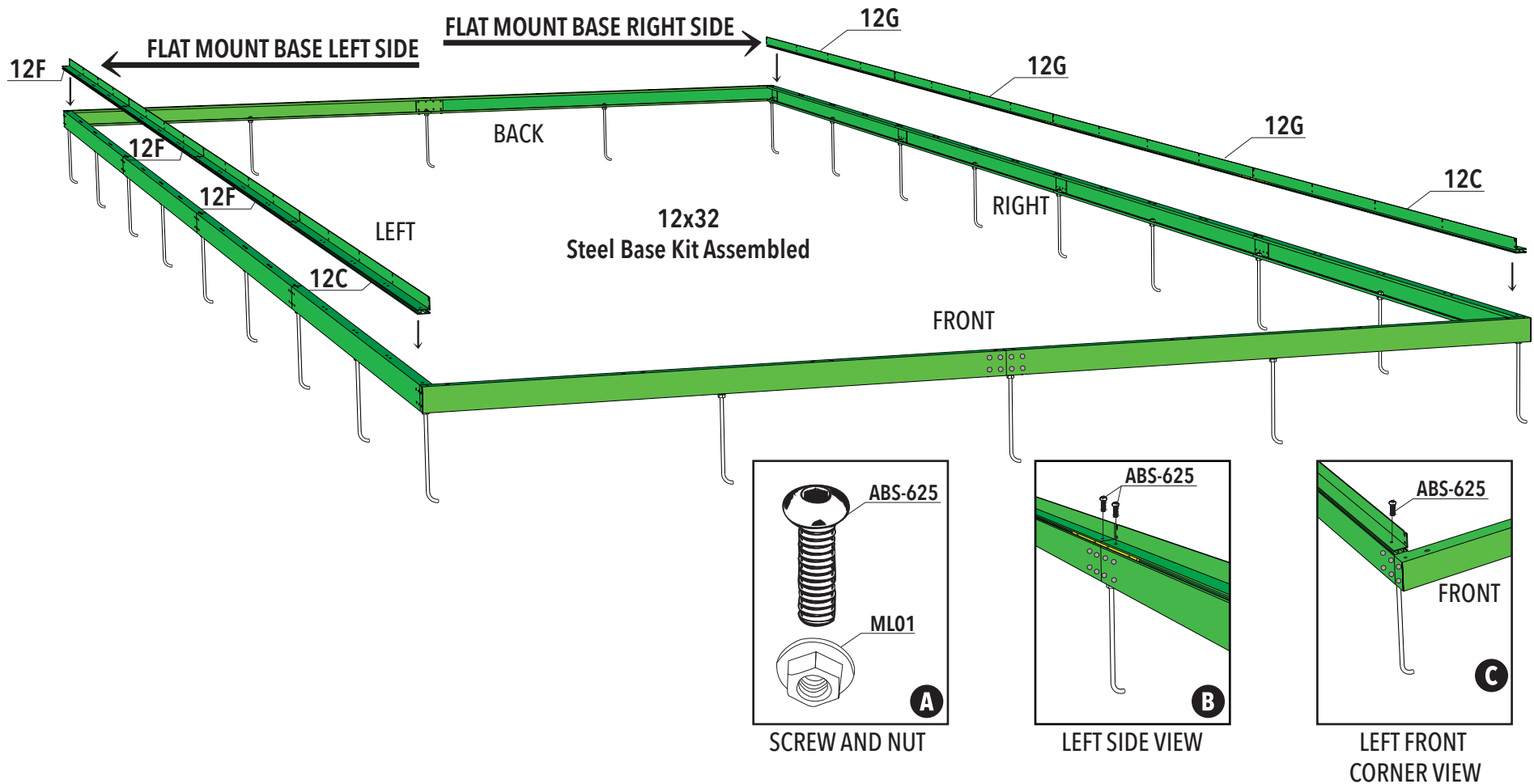
3. Use the CB-610 bolts with the ML01 nuts to assemble the steel base kit as shown in diagrams **A** , **B** , **C** , **D** , **E** , and **F** , at the bottom of this page. Note the CB-610's will be on the outside and the ML01 nut will be on the inside.
4. Install the BA-A1 and BA-S10 bolts into the large circular holes on the bottom side of the base kit, as is shown in the diagrams below. You may choose to place the BA-A1 and BA-S10 in opposite holes of what are shown in diagram **D** , **E** , and **F** .



GRANDIO SUMMIT 12x32 ATTACHING THE FLAT MOUNT BASE TO THE STEEL BASE KIT FOR EARTH INSTALLATION

1. Attach the side Flat Mount Base pieces to the Steel Base Kit as shown below using the ABS-625 screws with the ML01 nuts. See **A**, **B**, and **C**. Tighten the hardware using the (W16) 10 mm Wrench and (W17) Allen Driver.

* Set aside the Front and Back sections of the Flat Mount Base, these sections will be required to assemble the front and back walls in Manual 2.

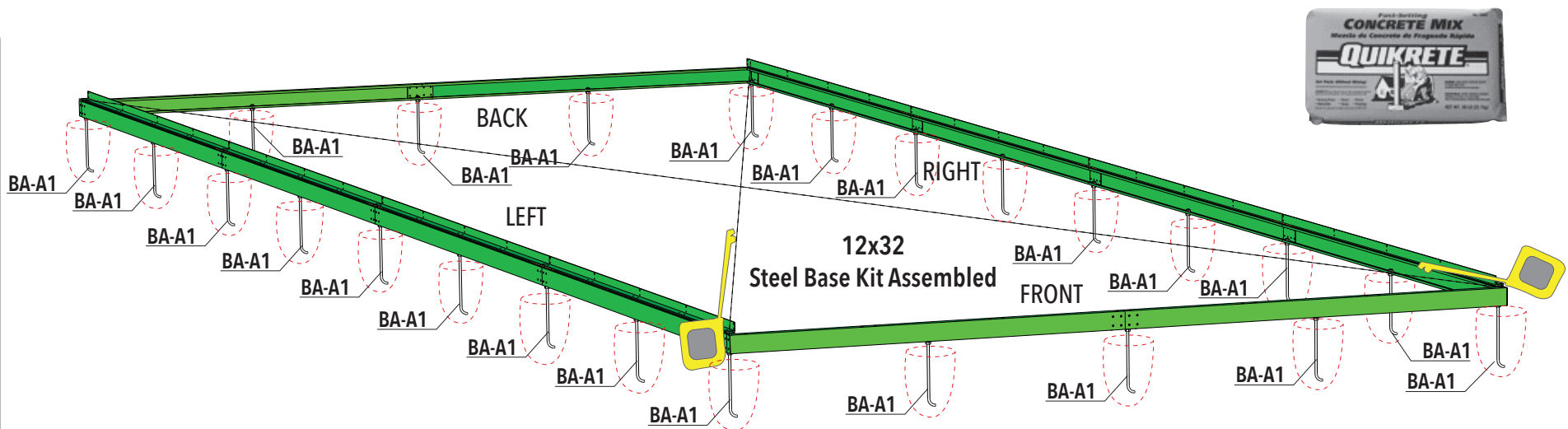


GRANDIO 12x32 SUMMIT STEEL BASE KIT EARTH INSTALLATION

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

WARNING: BASE KIT MUST BE LEVEL AND SQUARE, AN UNLEVEL BASE WILL AFFECT THE INTEGRITY OF YOUR GREENHOUSE.

1. Align the Steel Base Kit to your desired location. Measure corner to corner to confirm square, check that all sides are level, then mark the ground where the BA-A1 L-Bolts will reside with a marking paint. You will then move base aside in order to dig out the holes.
2. Dig out the holes for the BA-A1 anchors, then confirm the base is square and level again with the base kit moved back into place and BA-A1's in their respective holes. Check with your local building code for depth requirements.
3. We recommend you use a concrete mix such as Quikrete® fast setting concrete to secure the BA-A1 L-Bolts into place.
4. Follow the directions on your concrete mix. Confirm as the mix sets that the base is level and square. The BA-A1 L-Bolts may be adjusted up or down by turning the nuts attached to each BA-A1 that sandwich the base kit to assist in leveling the base kit after curing.



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

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 aluminum 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.



GRANDIO[®]

G R E E N H O U S E S

CONTENTS OF EACH MANUAL

INSTALLATION MANUAL 1
BASE KIT

SEE INSTALLATION MANUAL 2
GREENHOUSE ASSEMBLY

SEE PARTS LIST MANUAL 3
PARTS LIST

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

CONTACT OUR CUSTOMER SERVICE DEPARTMENT at:
1-866-448-8231

BACK PAGE MANUAL 1