

ELITE ENCLOSURES
Therma Gro



TGM Greenhouses of Colorado

2020 Kipling St. Lakewood, CO 80215

O: 303.273.9085 C: 432.349.2994

*If you have any questions please call **432.349.2994***

Please Note:

Instructions vary according to our customers needs and custom build kits. Some instructions might not apply to your particular Greenhouse.

For best results, complete the Greenhouse in one day. If you do not complete in one day, it is important that you secure (brace) the unit in case of wind.

Tools required for Installation:

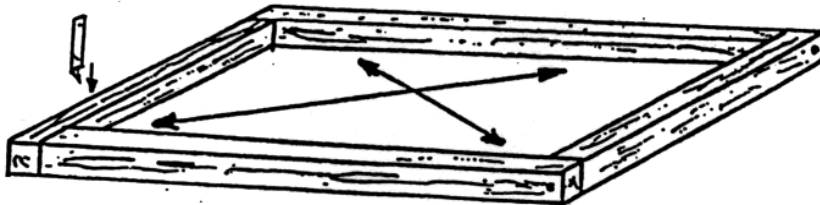
1. Drill and impact driver
2. Level (4')
3. Measuring Tape
4. #8 (1/4") hex head and #12 (5/16") hex head nut drivers for the drill
5. Rubber Mallet
6. Ladder
7. Crescent Wrench
8. Post hole digger
9. Wire cutters
10. Phillips, Flat Head, and Johnson bits
11. Rope and Stakes

Note: If you use an electric drill, be careful that you do not over tighten the screws, as you might break the heads off.

Installation of your Greenhouse:

1. If mounting the Greenhouse onto a foundation, start with your foundation **level and square**, as this essential for a well assembled and sealed greenhouse. Spend the time now to ensure that the foundation is level and square, and you won't have any problems putting the greenhouse together. Place the steel bases on your foundation, taking care that the outside dimensions match those of your particular greenhouse.
2. Measure diagonally (corner to corner) in each direction, and when both measurements are the same, snug up 3/4" bolts that hold frame together and bolt the frame to the foundation.

Fig. 1



3. If using Caissons to secure the greenhouse in place, take the steel frame and lay in place. If ground is uneven, support the frame until it is level and then measure diagonally to square. After squaring and leveling the frame, mark where you need to dig your corner 8" diameter caissons (postholes). Move the frame, dig caissons 3 feet deep, replace frame, relevel and square in place, insert J-bolts into frame holes, and fill caissons with fresh concrete with J-bolts in place.

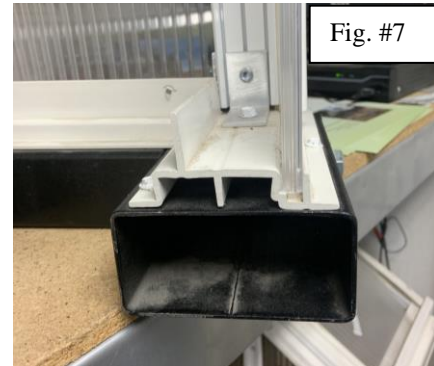


4. While concrete is curing, you can proceed with erecting the greenhouse frame.

5. Lay the PVC base out on top of the 2" x 4" steel base (Fig. #5). Measure the PVC base diagonally corner to corner as you did for the 2" x 4" steel base to ensure that it, too, is square. Then, using the 3/4" steel screws, fasten the PVC base down onto the 2" x 4" steel base. (Fig. #6)

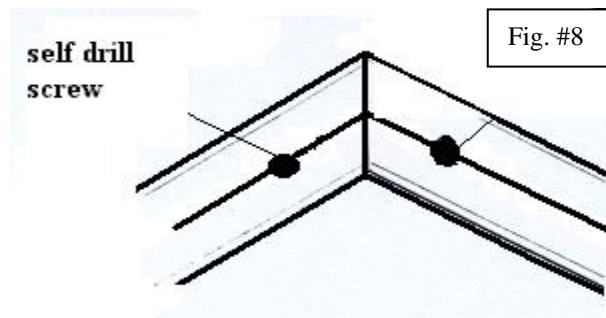


6. Install the 6 of the 8 L brackets, two in each corner (minus the two on the inside corner that will go over the shutters). Using the pre-drilled holes in the upright base flange, and the center-slot of the short corner, fasten with 3/4" screws. (Fig # 7)

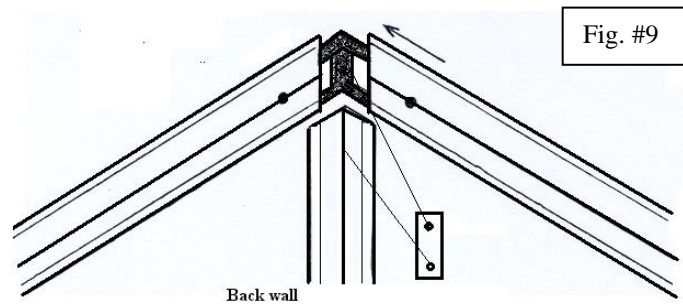


*** If your greenhouse kit came with pre-assembled arches, continue with step 10. ***

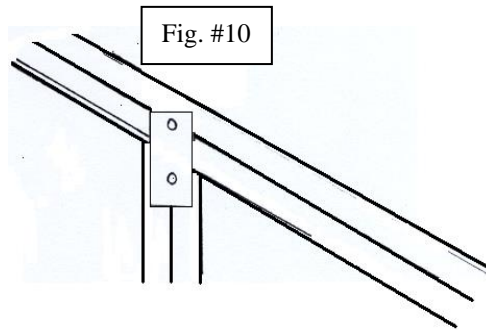
7. To assemble the arch, take the two half arches (marked front wall) and an arch-insert. Making sure the rubber seal is in its proper position, push the halves together with the insert in place. Fasten the arch together using (2) 1 3/4" screws into the predrilled holes. (Fig # 8)



8. Repeat the steps for the wall arches, ensuring that the seal is in its proper slot. See (Fig. #9). Skip next few steps if you have preassembled endwalls from us.



9. Install the door (with the door-styles already mounted) on the front wall-arch, use the two Flat plates and Fasten down with the 3/4" self drill screw into the predrilled holes as seen in (Fig. #10). Use the 1" screw for the PVC door-styles.



10. Having all the arches now completed, you can erect them on the base. Fasten the center arches to the base with the 3/4" screws through the pvc base lip. (You might need someone to hold the arches as the must be at a perfect 90 degree angle.)



11. Install the ridge on top of the arches as shown on Fig. #12. Use the screws through the predrilled holes into the center of bar. Ensure the ridge is perfectly straight and screwed down so there are no gaps between the arches and the ridge.



12. Now you are ready to attach the front and back walls. Carry one wall over to the frame and put in place with the bottom of panel in the base slot (or channel). Secure the wall by screwing through the pvc base into the posts on the end wall and through the predrilled holes on the ridge cap. Repeat with the second wall. If there is wind, secure the two end walls with braces.



13. If it is a hot and sunny day we suggest installing the fan and shutters now before the side panels, as it gets very hot very quickly.

14. If there is any wind you can help manage panels while installing by securing ropes in the middle of each panel placement which will keep them from blowing around in the wind as you button them up (See step one installation, Fig. #13 and Fig. #14).

Installation of the Panels:

Note: It is important to install the panels with the UV treated side facing outward. The writing on the sheets faces outwards. All sheets for the sidewalls have had the protective plastic trimmed back on all edges in order to peel off when finished with install.

Use the aluminum full cap where two panels join.

Use the four plastic half cap pieces where the panels touch the corners.

1. When both front and back walls are finished, continue with the sidewalls. A valuable tip if there is any wind is to drive a stake about 2-3' away from the greenhouse and centered on the side panels. Use a small rope to go over the peak and to the opposing stake for each panel set. Insert all panels on one side in bottom sheet tray. Use the small rope to go over the top of the sheets pulling the sheets down near to the peak. It is best to zip the screws in from side to side to bring all curved side panels down equally. Fasten Full Cap up to the point where the arches start to curve.



2. After all panels are standing upright, Align the panels with the outside of the rubber seal. Now continue fastening down the Full Cap and Half Cap using the screws supplied. It is best to screw all full caps down equally so that as material bends to curve it will help keep sheets aligned with seals at top. After screwing the half cap and full caps up to the curve it is now time to tuck the sheets inside the ridge at the top. The best way is to start the sheet in on one corner and push the sheet across until it aligns with the seal and slides into the ridgecap. Excess sheet will be pushed to the top as you continue to seal up the sides moving side to side and towards the top consistently will keep the sheets from pushing left or right over the seals as you work the excess sheet material to the top and inside the ridge.



3. Once all the sheets are tucked, screw the full cap and the half cap up until the sheet can't escape the ridge. Reset, and repeat for the second side. Now that both sides of the greenhouse are tucked and secured, finish screwing up all the full and half cap to the ridge.



4. Next, install the door handle and panic bar as illustrated on the package. Don't forget the screw in bottom of door handle (use the self drill screw). Also adjust the bottom door sweep height and set with self drilling $\frac{3}{4}$ " screws, 2 inside and 2 outside of the the door.
5. If you have hanging basket bars, intall them now, we suggest checking placement and height, then screwing in one end, leveling, and screwing into the rest of the arches.
6. If you have shelves, install them now at desired height with screws into extruded posts with support arms sitting on extruded pvc base.
7. If you have a shade cloth, take your set amount of eye hooks and screw holes into the arches in order to insert the eye hooks. Strech the shade cloth across the roof of the greenhouse and secure to eye hooks with bungees.
8. Now your Thermagro greenhouse is complete!



Cleaning and Maintenance instructions:

Compatible Cleaning Agents:

Top Job

Windex with Ammonia D

Joy

Palmolive Liquid

Steps

- * Rinse sheet with lukewarm water.
- * Wash gently with mild soap or detergent and lukewarm water.
- * Use a soft cloth or sponge to loosen remaining dirt and grime.
- * Repeat rinse and dry with soft cloth to prevent water spotting.

DO NOT SCRUB or use brushes or squeegees as polycarbonate is not scratch resistant.

For assistance or any questions please call customer service at
432.349.2994