
POLYTOON DIY SYSTEM

ASSEMBLY MANUAL

FREEFORM PLASTICS

BOX 159, ST. BRIEUX, SK CANADA

S0K 3V0

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NOTES

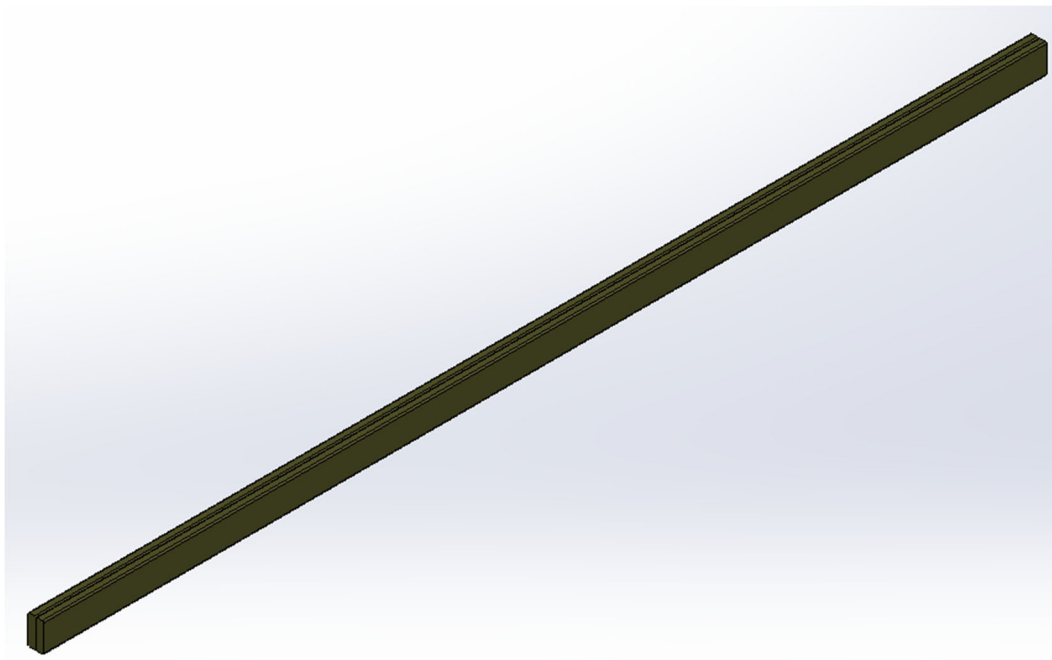
- If lumber was not supplied precut ensure you cut it to the drawings.

TOOLS REQUIRED

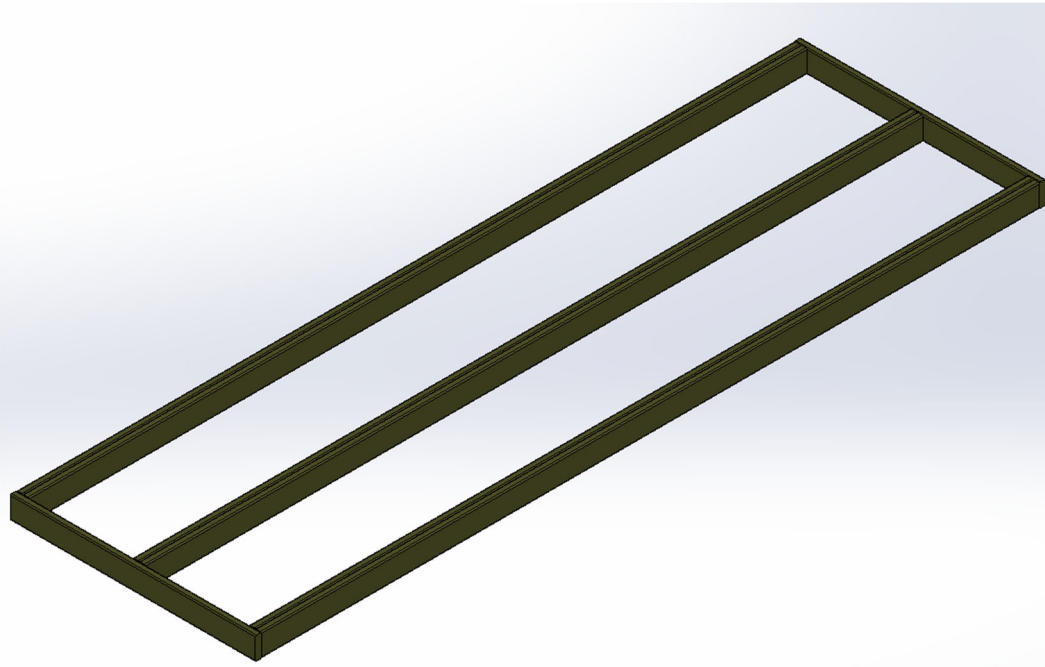
- Drill
- 3/8" drill bit
- 1/2" wrench and socket with an impact driver
- Tape measure
- Robertson bits

ASSEMBLY INSTRUCTIONS

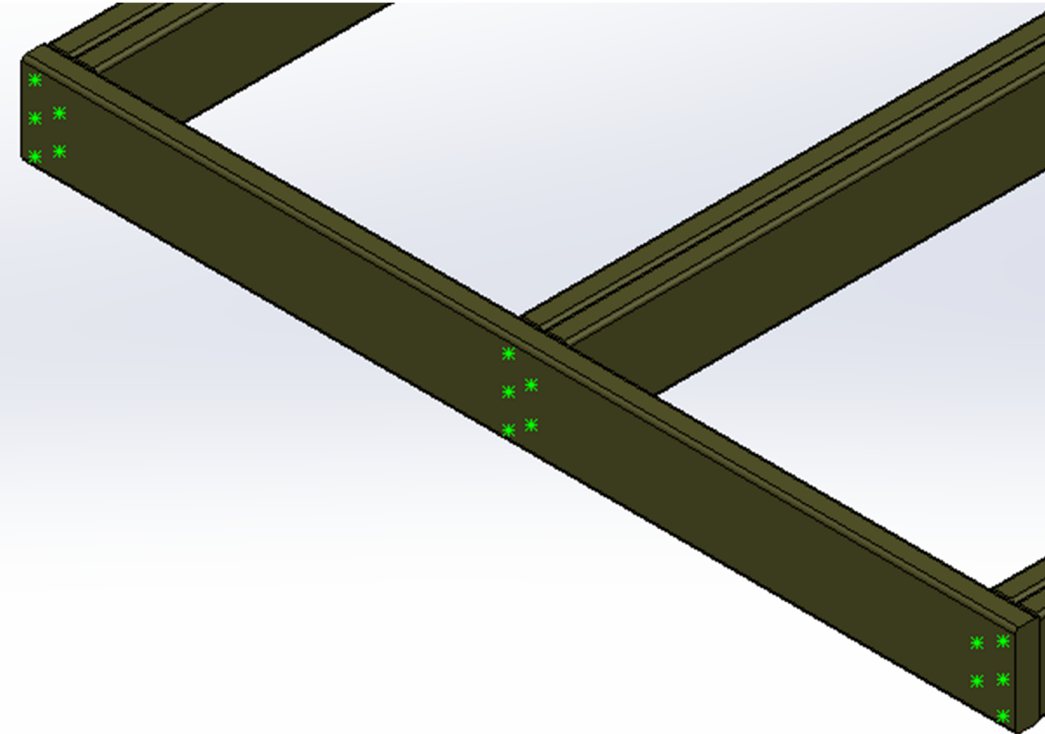
1. Start by building your double stringers, use 2 of the #8 x 3" deck screws (pn#1367) every 16 inches or so down the length. Be sure to level the tops of them as you fasten together.



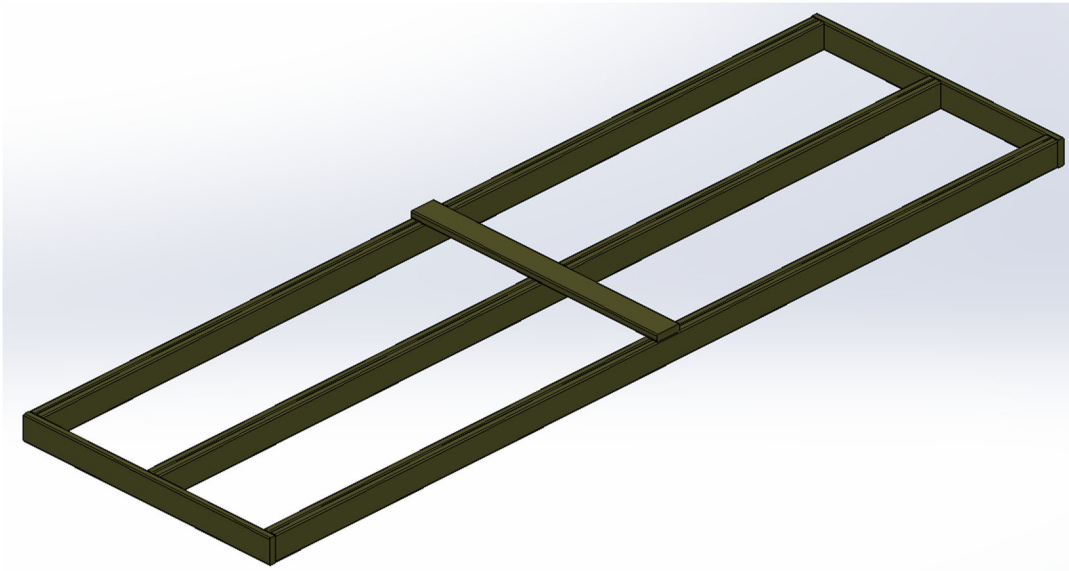
2. Now lay out your dock frame as per the size you plan to build and the layout provided. Frame shown below is for a 4' or 5' wide dock system (typically 12' or 16' long)



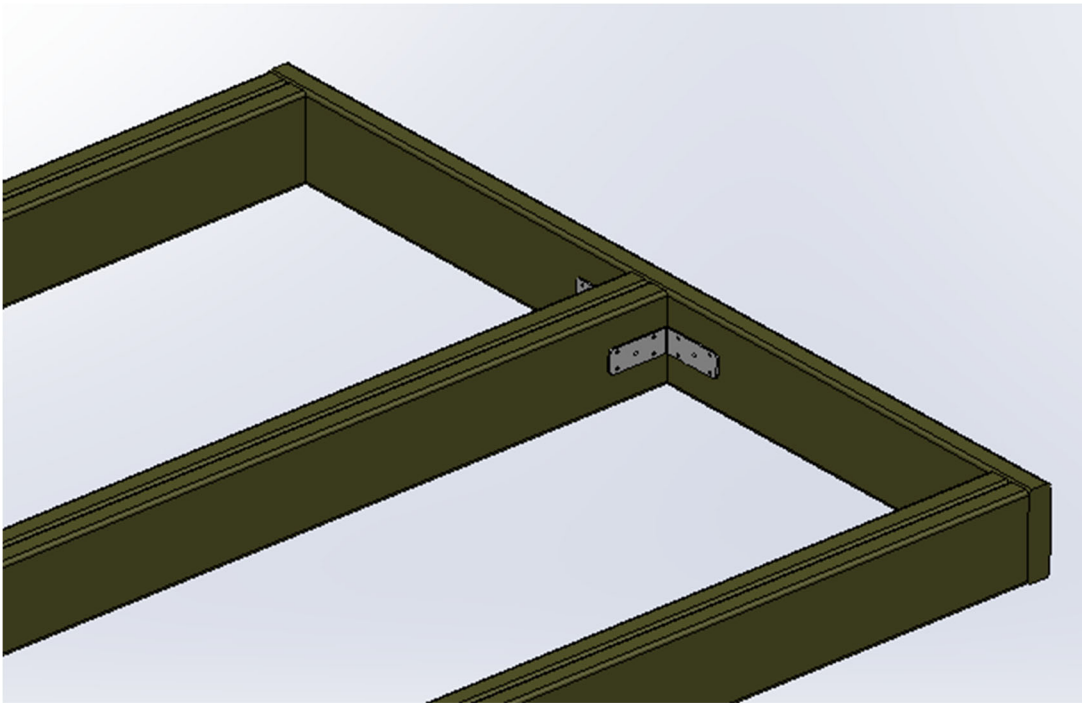
3. Using the #8 x 3" deck screws (pn#1367) fasten the end boards to the stringers putting 5 screws through the end board into each set of stringers as shown below



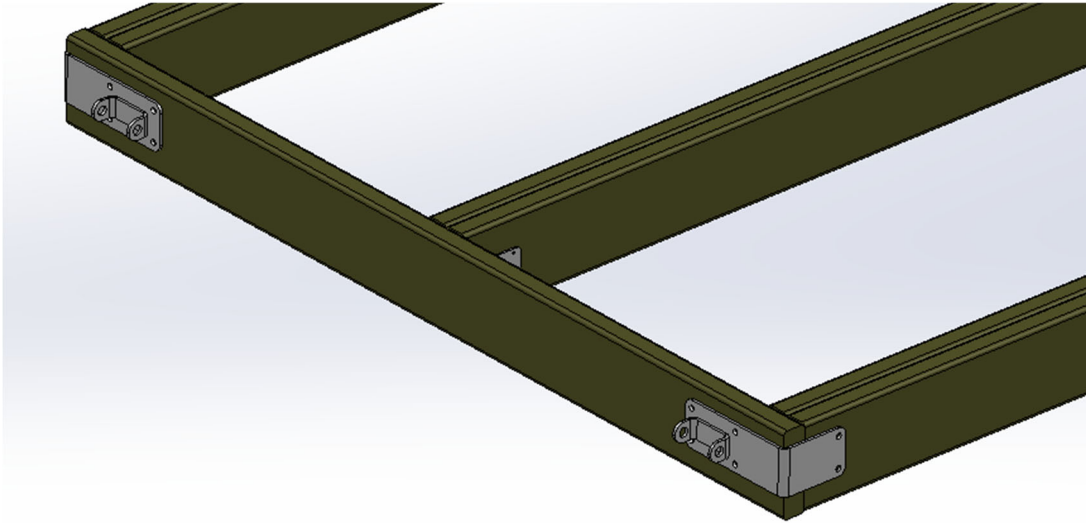
4. Next check the square of your frame and place a temporary board across the center to hold it in position with the #8 x 3" deck screws (pn#1367)



5. Take the Corner Braces (pn#1138) and install on the inside of the frame using #8x1-1/4" deck screws into the end boards and #8x3" deck screws into the stringers

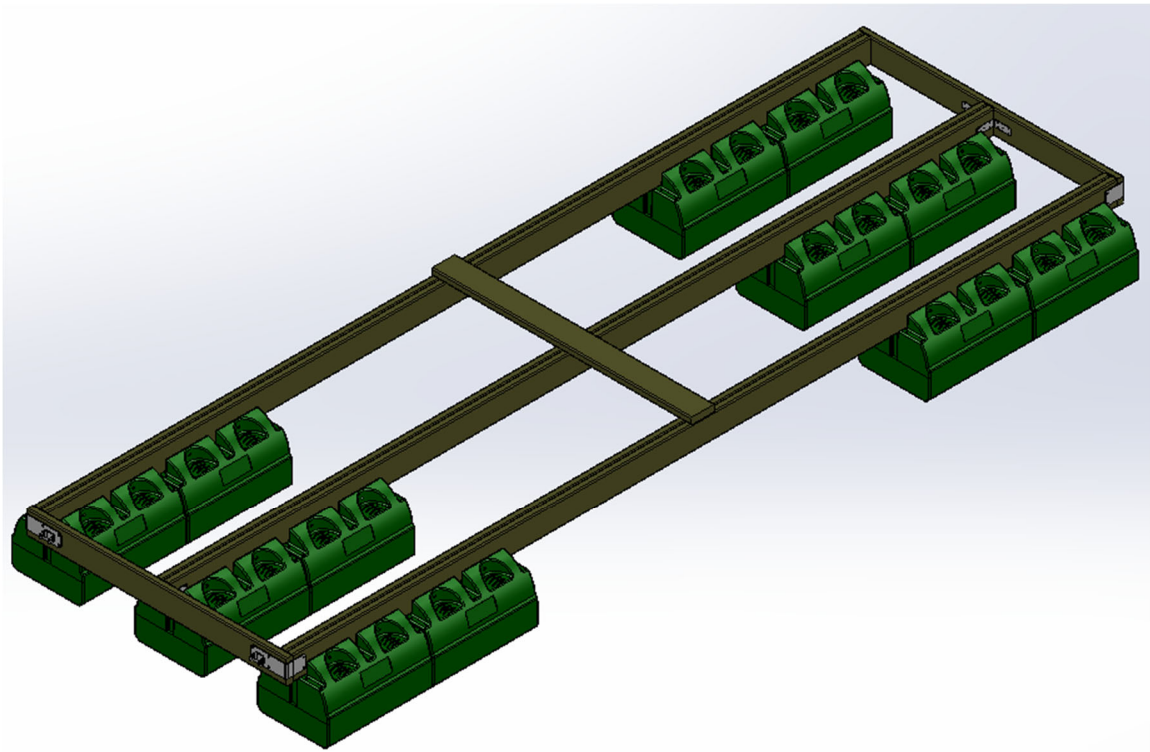


6. Find the hinges with the wide opening and install them on the shore end of the dock. Clamp the hinge in place, the top of the hinge should be 1" down from the top of the end board. Drill the end holes first with the 3/8" bit and then secure the hinge with the 5/16" x 2-1/2" galvanized bolts (pn#1002-31), put a Hinge Backing Plate (pn#1389) on the backside running vertical to go reinforce 2 bolts. Use a 5/16" galvanized lock washer (pn#1220-11) and 5/16" galvanized nut (pn#1201-26) to complete on each bolt. Once you have tightened the front side you can drill and secure the sides of each hinge in the same manner except you will use the 5/16" x 4" galvanized bolts (pn#1002-44).

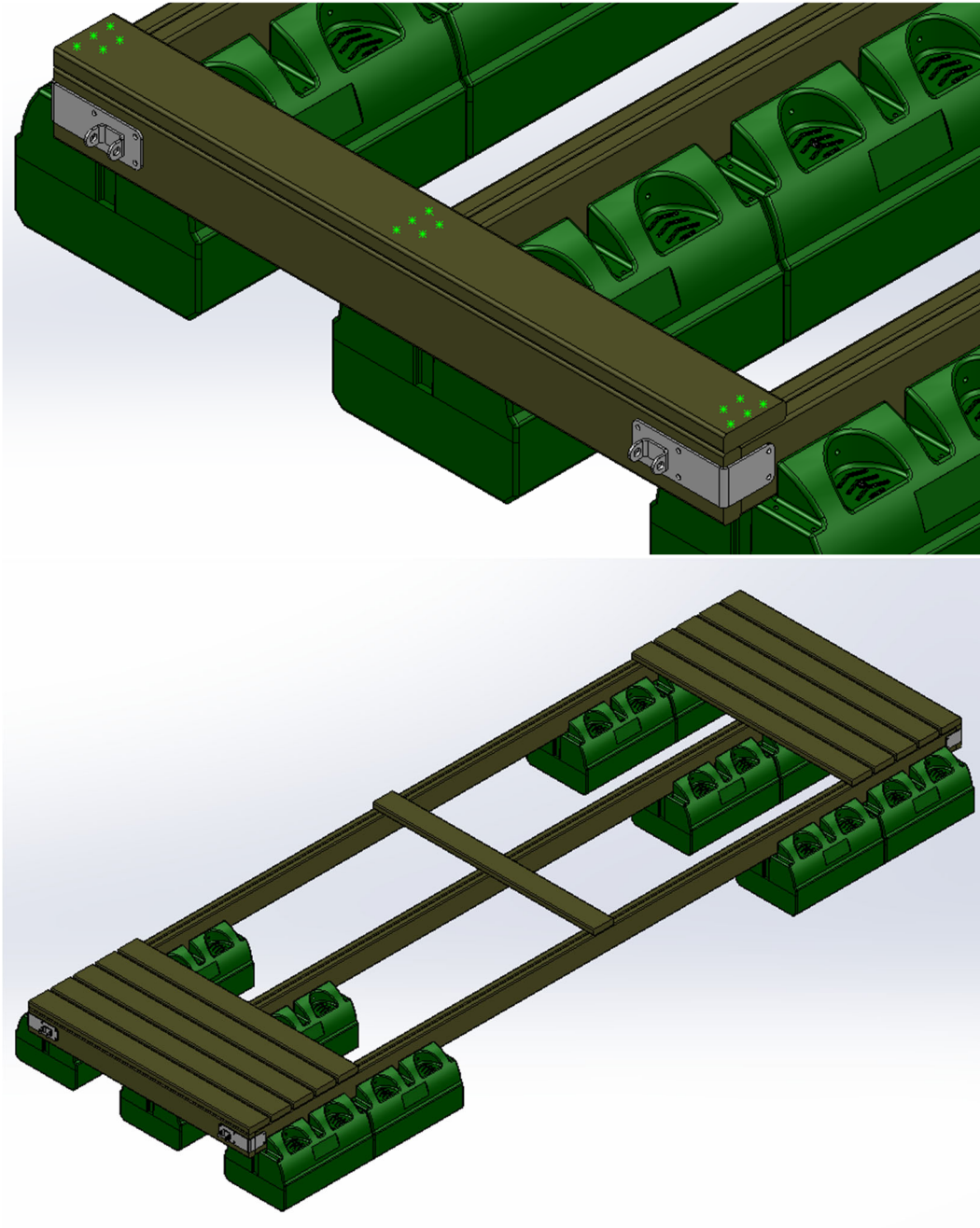


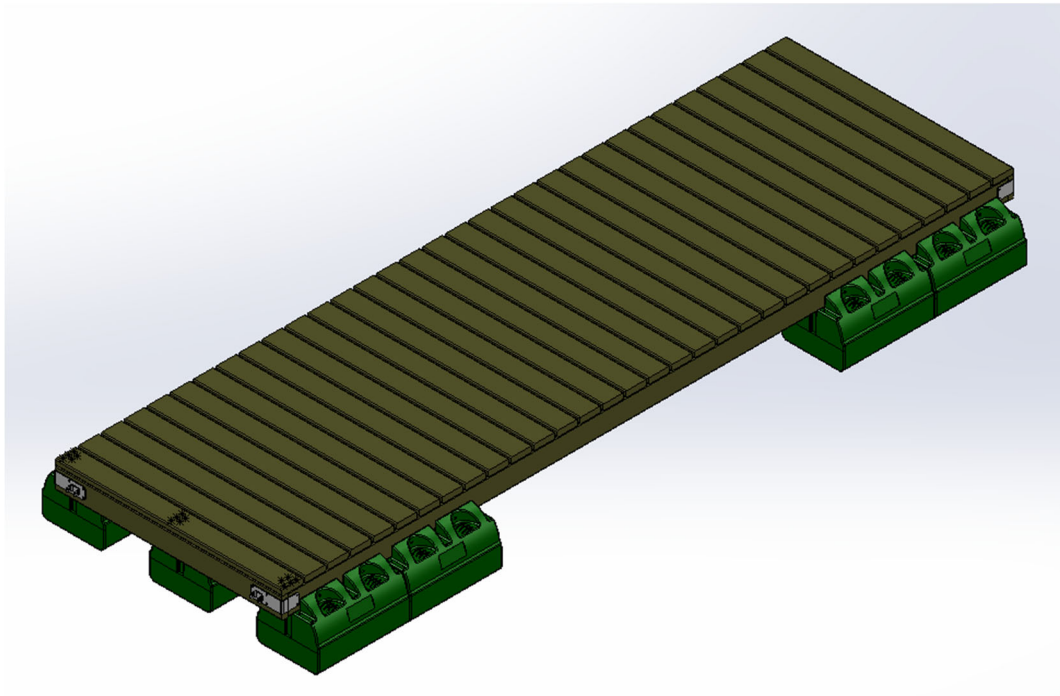
7. If you plan to install any additional options you need to consider that now before you install your Polytoons as it may impact where you can put them, ie flat hinges for making "L" and "T" connections, dock posts holders, etc. In some cases you may have to add additional framing inside to offset your floats into the frame to allow an "L" or "T" connection.

8. Lay out your Polytoons as required for your application. Fasten them to the dock using the 5/16" x 3" galvanized lag screws (pn#1110-03) and the 5/16" galvanized flat washers (pn#1325-87)



9. Lay out the top deck boards across the dock, you should have 2 x the length of dock in feet for boards, ie: 12 ft dock x 2 uses 24 boards and a 16 ft dock x 2 uses 32 boards. Secure the top deck boards flush with the end board using the #8 x 3" deck screws (pn#1367), typically we would put 3 screws per outer stringer, 2 screws per inner stringer so that each board is attached to each stringer assembly with 5 screws, in the example here we would use 15 screws per board. Once you have secured your 2 end boards, evenly space the remaining boards along the length of the dock and then begin securing from one end for 5 boards or so then rotate to the other end each time readjusting the spacing on the remaining boards to keep it as even as possible.





10. To complete your dock you can sand all corners and stain if so desired.

If you have any question about assembling your Polytoon Dock System feel free to contact us and thank you for your purchase!