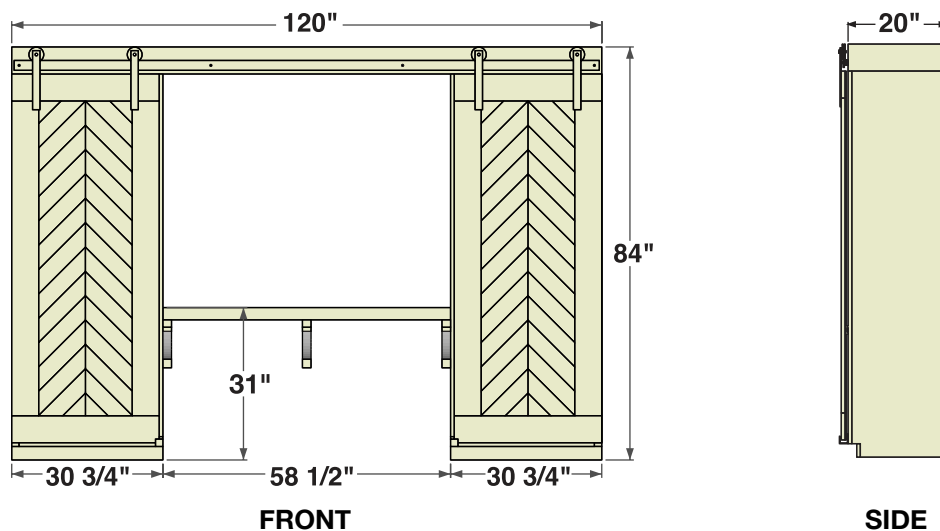




Hidden Study **THE** Desk

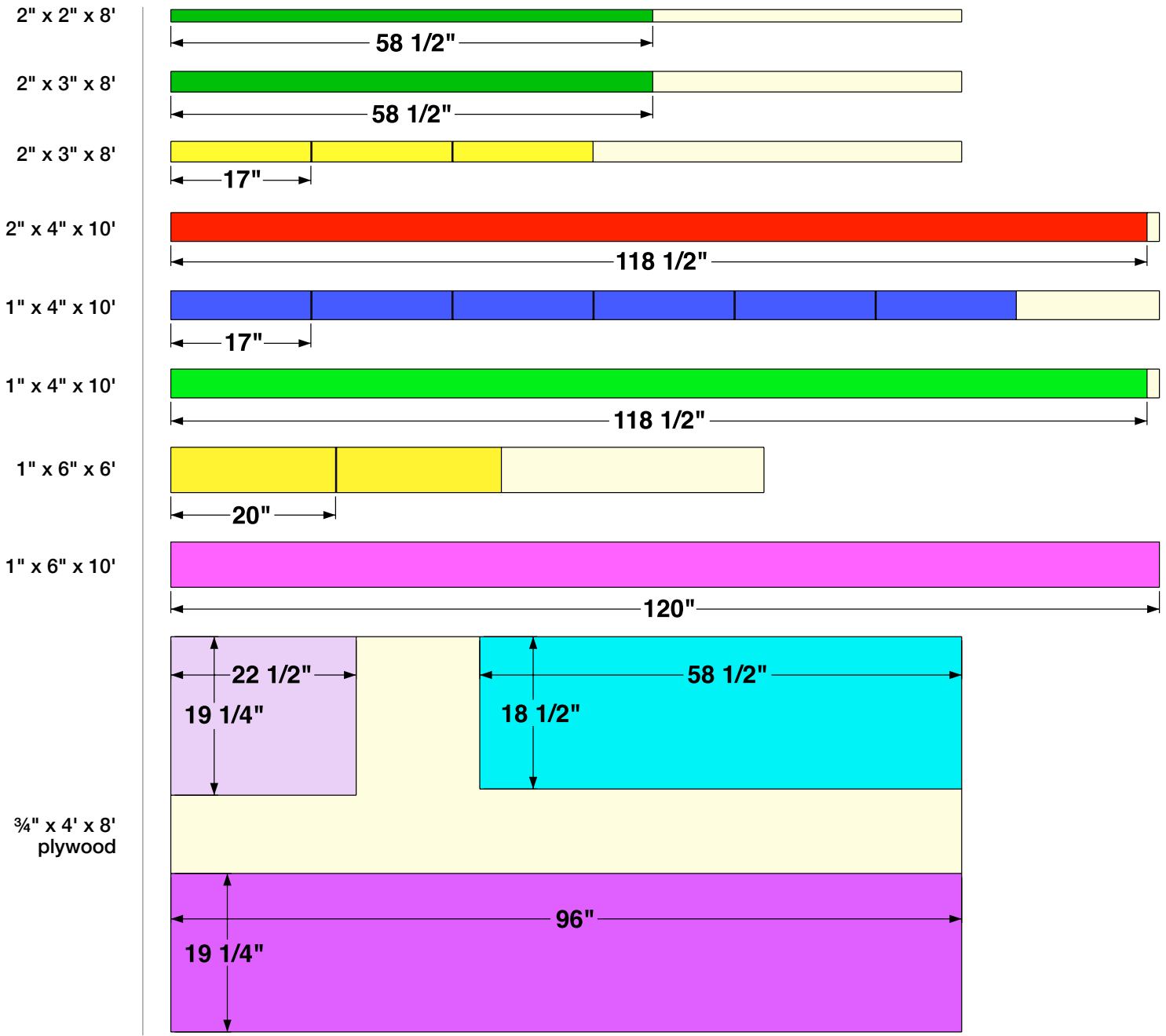
*W*hat a magnificent personification of your DIY skills. The catch? It doesn't need anything more than a little patience and basic hands on approach. Two marvelous towers with a ton of shelf space and two lower doors on each that provide a visual base and hidden storage for the less organized items. Build the accompanying sliding barn doors and desk for a show stopper in any living space



Make sure you read through the instructions carefully and take notice of any special construction notes prior to making any cuts. And always practice safe DIY'ing. Have fun!

PLEASE NOTE - many pieces may require you to cut them to fit a certain size while you are building it. Its best not to cut pieces until you need them. Take your time and study all the diagrams.

CUT LIST

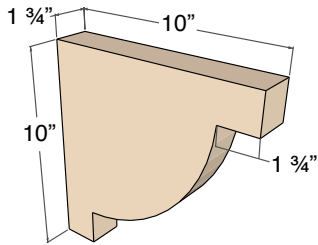


MATERIALS LIST

Material	Qty
3/4" X 4' X 8' plywood	1
1" x 6' x 10' pine board	1
1" x 6" x 6' pine board	1
1" x 4" x 10' pine board	2
2" x 4" x 10' pine board	1
2" x 3" x 8' pine board	2
2" x 2" x 8' pine board	1

Material	Qty
1-1/4" pocket screws	
2-1/2" pocket screws	
1-1/4" brad nails	
2" spax screws	
3" spax screws	
2-1/2" pocket screws	
wood glue	
Shaker Bracket #8374	3

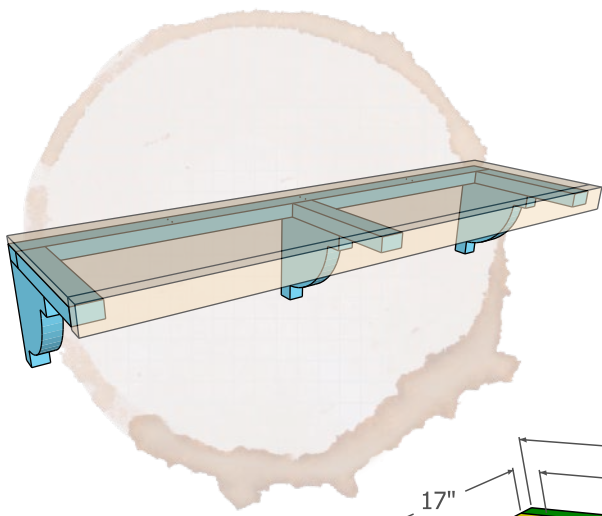
NOTES



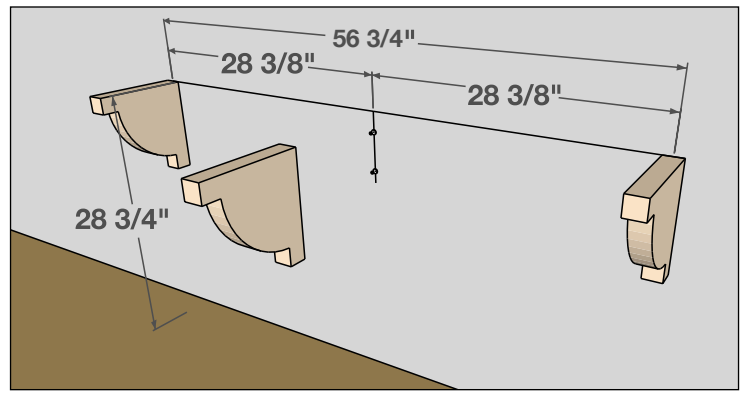
Lancaster Shaker Bracket; #8374; knotty pine

www.osbornewood.com/8734.aspx

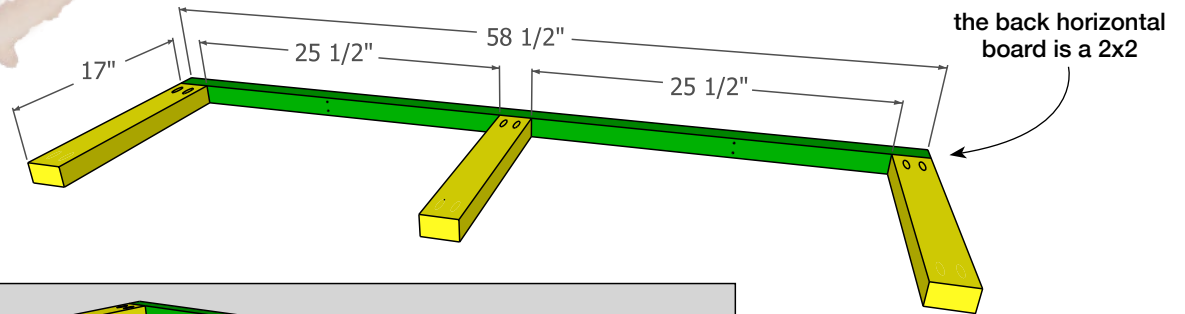
Osborne Wood Products, Inc.
osbornewood.com



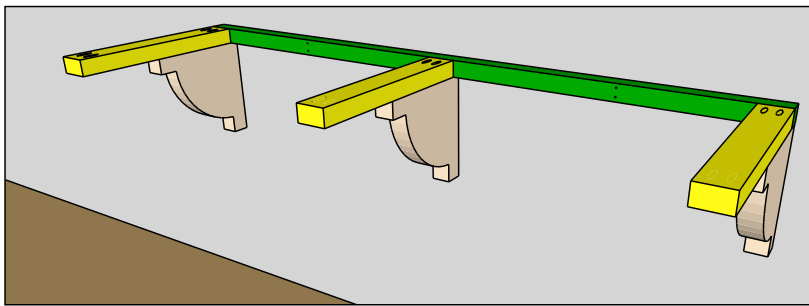
1



2



3



1.

Before you construct the desk or crown brace first install your towers so that the spacing between them is 58-1/2". Make sure they are plum and level. Drive 3" spax screws through the braces of the back of the towers into studs or wall anchors.

Next we will attach the corbels to the wall. We wanted the top of our desk to be 31" off the floor to be level with the lower fixed shelf of the towers. That meant the tops of our corbels will be 28 3/4" off the floor to accommodate for the desktop added later. Using a level draw a horizontal line centered between the towers at 56 3/4" long and 28 3/4" off the floor. Draw an 8" vertical line going down at either end of the horizontal line and from the middle. These vertical lines dictate the centers of all three corbels. The outer two corbels should be flush with the sides of the towers.

Following the instructions that came with your corbels for mounting to the wall, measure the openings on the back side of the corbel and reference those measurements to show where to put the wall anchors on the vertical lines. Leave about 1/2" of the screw head proud of the wall. The corbels will slip over these screws and then line up with your horizontal line.

2.

Next we will construct the skeleton of the desk that mounts to the wall.

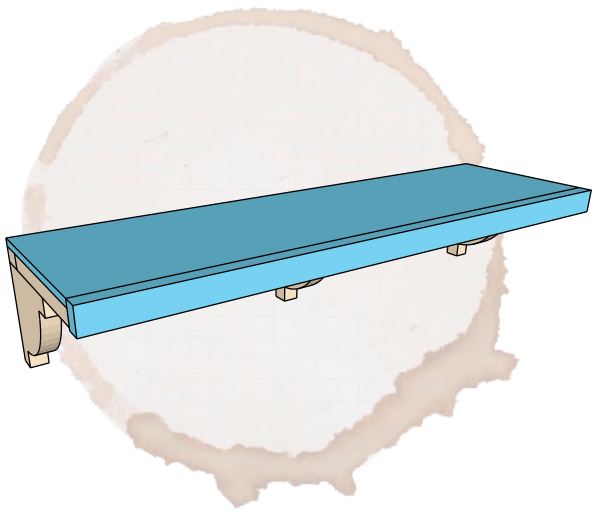
Double check the distance between the two towers, it should be 58-1/2". This will be the length of the longer 2x2 that will eventually attach to the wall. Cut to length. Drill 1-1/2" pocket holes into the ends of the shorter 2x3 boards and attach with wood glue and 2-1/2" pocket screws as shown. Make sure your 2x3 boards are oriented so that they are laying on their wide side as shown in the illustration.

3.

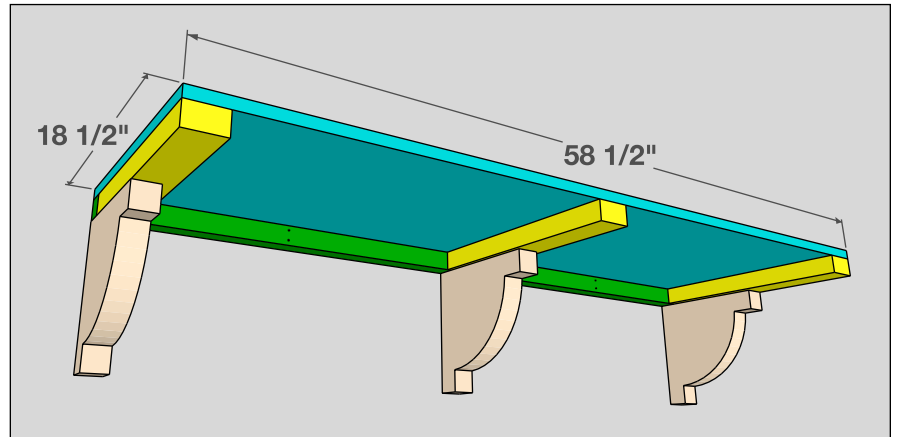
Now we will mount the skeleton structure to the wall. Lay it on the corbels. It should fit snug between the towers. Locate the studs in the wall between the two outer corbels and drill pilot holes at each location in the horizontal 2x2.

You should be able to hit 2-3 studs. Attach to the wall with 3" spax screws.

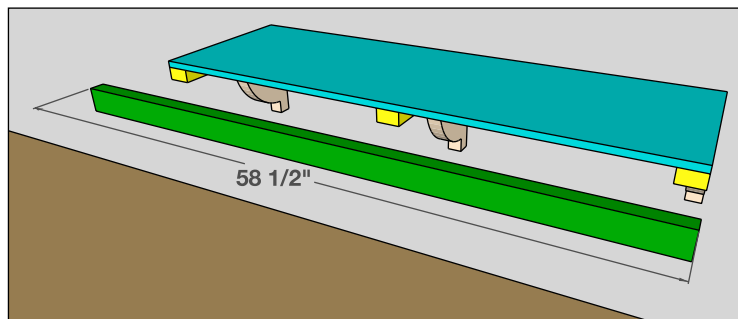
Now drill pilot holes to attach the skeleton to the corbels. Drill from the top of the skeleton down into the corbels. Attach with 2" spax screws.



4



5



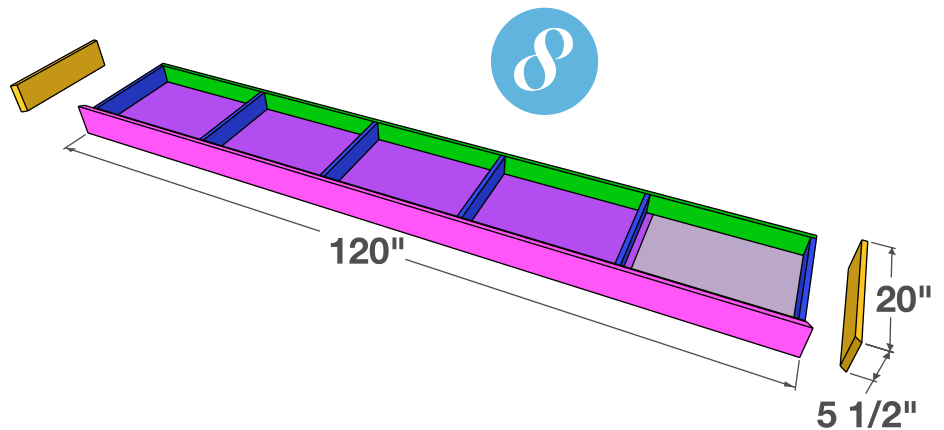
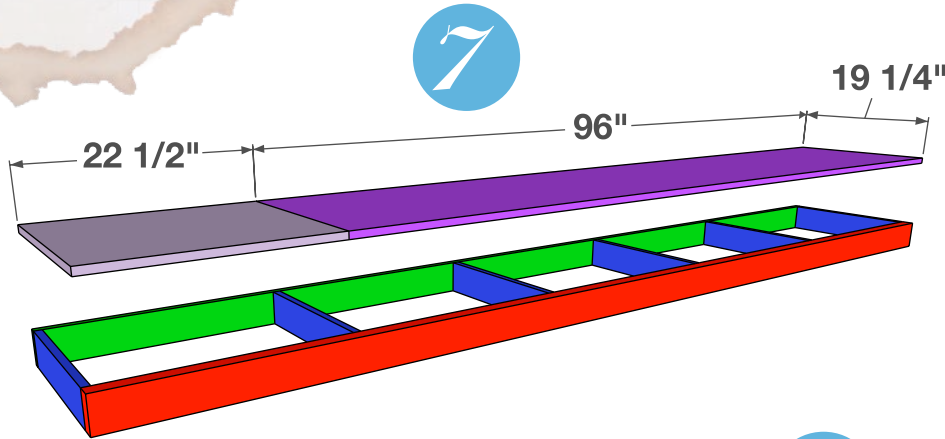
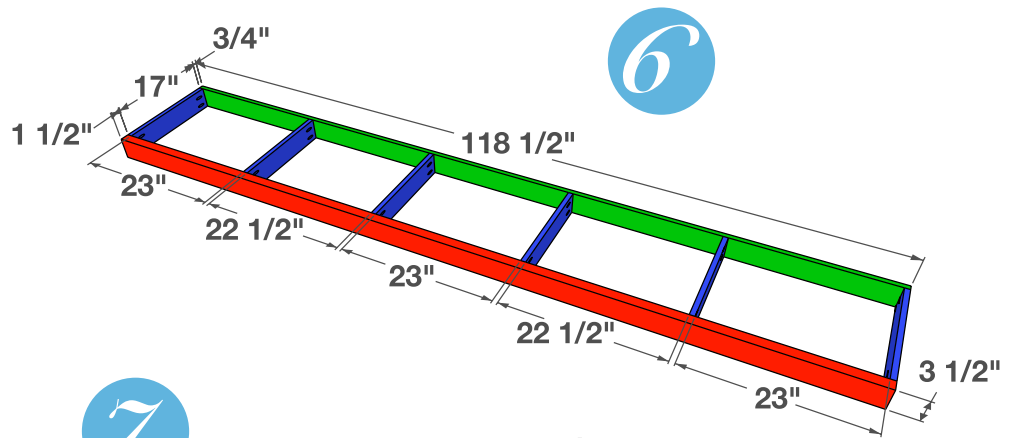
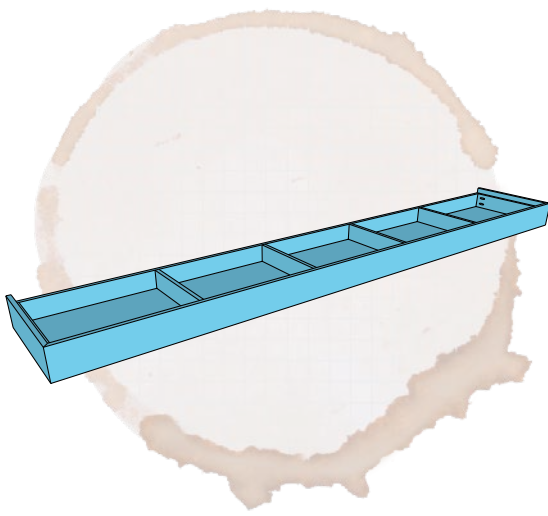
4.

At this time you will want to secure the corbels to the sides of the towers as well. Drill pilot holes through the corbels into the side of the towers. Attach with 2" spax screws.

Time for the plywood desktop. Cut to fit snug between the two towers and flush with the front of the 2x3 skeleton. Then attach with wood glue and 1-1/4" brad nails.

5.

Cut the front 2x3 to fit flush between the towers and attach with wood glue and 2" brad nails.



6.

Now it's time for the upper crown brace. This will give more rigidity to your tower and desk assembly and, if you are going one more step, give you a sturdy and solid frame to mount your sliding doors to.

Measure the distance once again between the top of your towers to verify the measurements given in this tutorial matches yours. Adjust where necessary.

Cut your 2x4 and 1x4 to length as shown above. Cut the six 1x4 slats to 17".

Drill $\frac{3}{4}$ " pocket holes into the ends of the 17" slats and attach with wood glue and 1- $\frac{1}{2}$ " pocket screws.

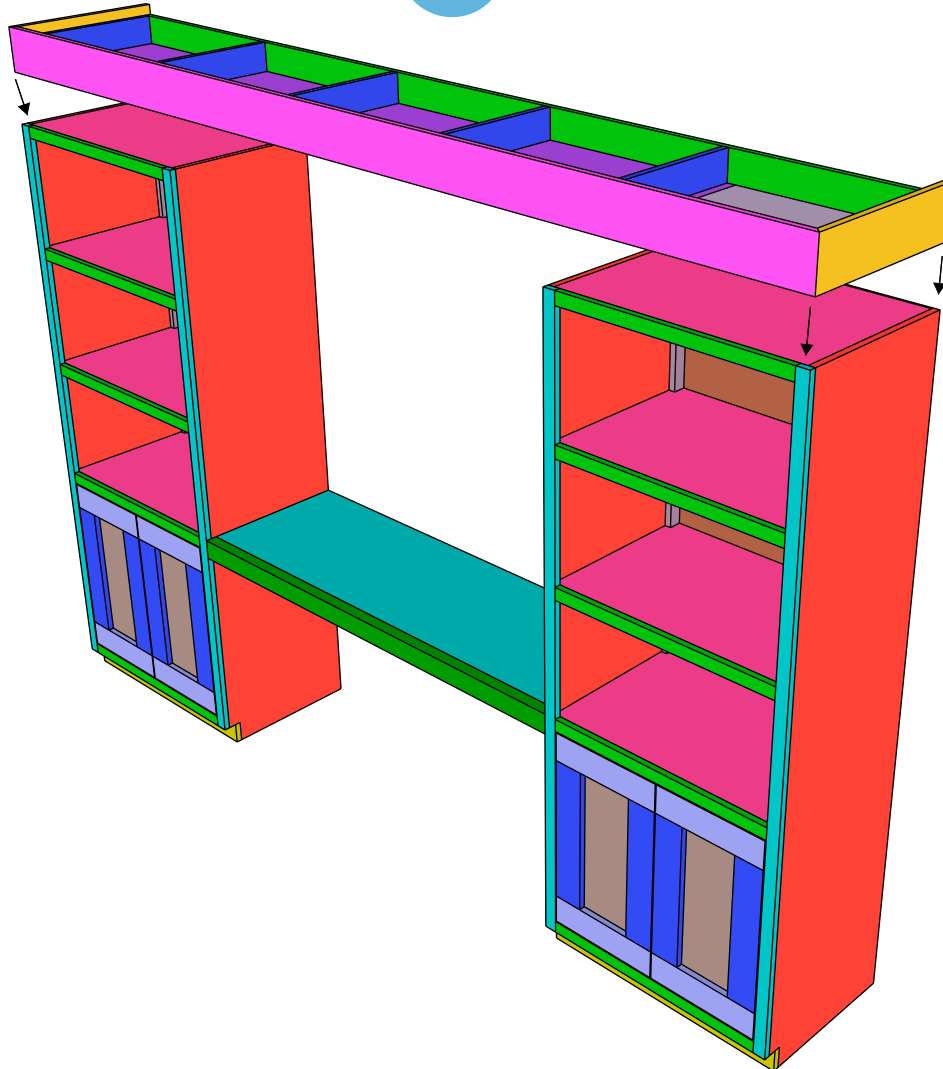
7.

Now cut your plywood to fit. Because this is longer than the 8' length of a normal piece of plywood you will have to cut two pieces. Attach with wood glue and 1- $\frac{1}{4}$ " brad nails making sure the outside edges are flush.

8.

Flip the structure over so that the plywood is on the bottom. Now you will attach the 1x6 trim. Cut your front long piece to fit by first cutting a miter on one end. Hold it in place on the front 2x4 and mark where the opposite miter will be located. Attach with wood glue and 1- $\frac{1}{4}$ " brad nails. Now cut a miter onto a shorter piece of 1x6 trim for one of the sides that will match your miter of the longer front board. Mark the length so that it will be cut flush with the back of the structure. Cut and then attach with wood glue and 1- $\frac{1}{4}$ " brad nails. Repeat for the opposite end.

9



9.

Now lets put the finishing touch on. Time to attach the crown brace. Line up your towers and attach the crown brace with wood glue and 1-1/4" brad nails. Making sure the trim faces forward and all outside edges are flush.