



WĦAT YPU'LL NEED



LUMBER

- 3 2x4x8 1 2x2x8
- 2 1x6x8
- 1 1x4x8

(availability will vary)

HARDWARE/SUPPLIES

Kreg 2 1/2" pocket hole screws Kreg 1 1/4" pocket hole screws wood glue, wood filler, pocket hole plugs, choice of finish

table saw miter saw, jigsaw sander drill/driver Kreg Jig clamps square

ABOUT THESE PLANS

On this first page you will see above the project complete. On one of the <u>last two pages</u> you'll find the finished outer dimensions. Be sure to read ALL of the project steps before you start.

To the right is a list of the Lumber, Hardware/Supplies, and Tools you will need to complete this project. A measuring tape and pencil are not included because that should be pretty standard and self explanatory.

Below What You'll Need is the Parts list. This also is included on the Cutting Diagram page, which is the last page of this plan document. Also on the Cutting Diagram page is an estimate of the cost of the lumber. This estimate doesn't include any other supplies and does not factor in sales tax.

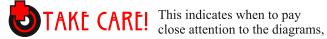
Throughout these plans you'll find the icons below:



This indicates a diagram detailing the dimensions of a project part and/or the placement for pocket holes, screws, nails, etc.



Notes are the instructions for a particular step/section of the project.



take precautions for safety, etc.



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Apply glue to all mating parts.



top side rails (2) - 1 1/2 x 3 1/2 x 20 1/16 stiles (4) - 1 1/2 x 3 1/2 x 20 1/16

lower cross braces (2) -

1 1/2 x 3 1/2 x 14 3/16 long braces (2) - 1 1/2 x 3 1/2 x 33 5/8

upper cross braces (2) -

1 1/2 x 3 1/2 x 15 15/16

top end rails (2) - 1 1/2 x 3 1/2 x 18 top stretcher (1) - 1 1/2* x 1 1/2* x 18

top slats (4) - 3/4 x 5 1/2 x 29

bottom stretchers (3) -

1 1/2* x 1 1/2* x 18 **shelf slats (5)** - 3/4 x 3 1/2 x 25

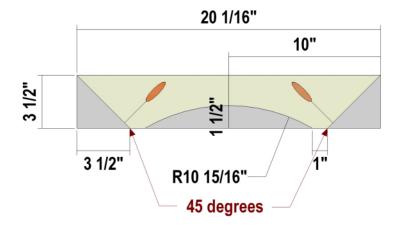
*this may vary on the 2x2 you purchase

All parts are listed in actual dimensions. Refer to the Cutting Diagram on the last page of this plan as a guide for determining the specific board from which to cut the parts.



Top Side Rail/Stiles

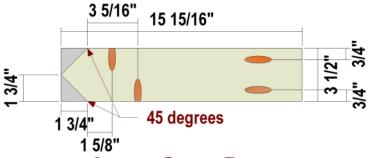




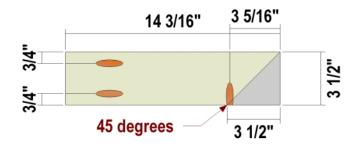
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Use the layouts for creating the Top Side Rails, Stiles, Upper Cross Braces, and Lower Cross Braces. Set your Kreg Jig and drill bit for 1 1/2" tock for the pocket holes.

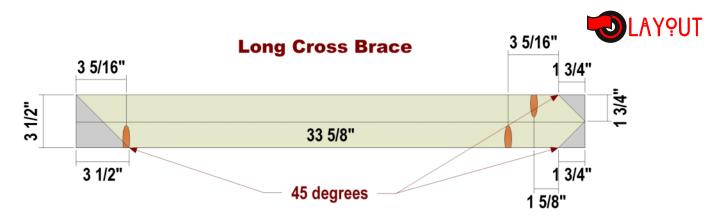
Upper Cross Brace



Lower Cross Brace

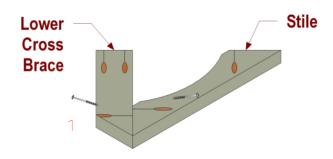






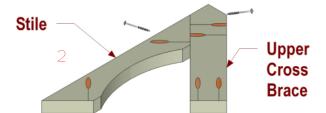


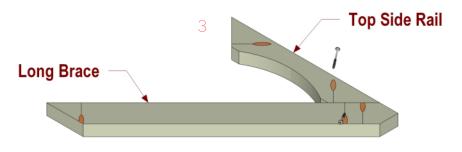
Use the layout for creating the Long Cross Brace. Set your Kreg Jig and drill bit for 1 1/2" stock for the pocket holes.





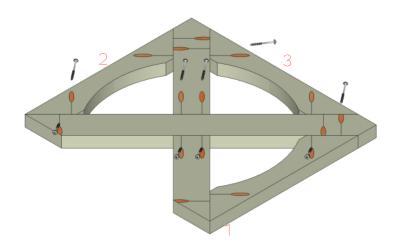
Position the parts as shown, one assembly at a time, and attach using 2 1/2" pocket hole screws. Create two of each assembly.





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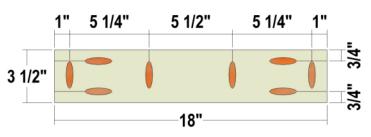




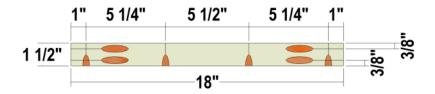


Position the three previous assemblies together as shown, and attach using 2 1/2" pocket hole screws. Create two assemblies.

Top End Rail



Top Stretcher





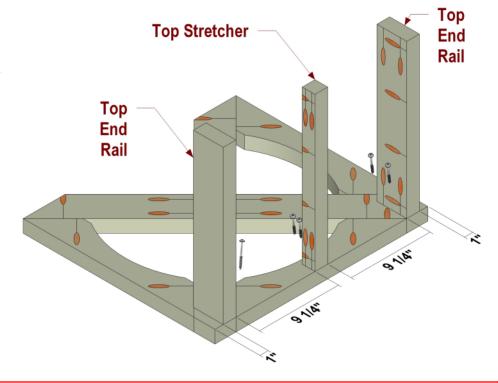


Use the layouts for creating the Top End Rails and Top Stretcher. Set your Kreg Jig and drill bit for 1 1/2" stock for the pocket holes on the ends of the faces, and 3/4" stock for the pocket holes on the edges of the faces.





Position the parts as shown, and attach using 2 1/2" pocket hole screws.

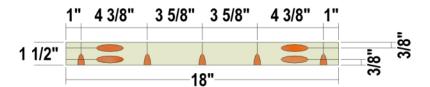






Use the layout for creating the Bottom Stretchers. Set your Kreg Jig and drill bit for 1 1/2" stock for the pocket holes on the ends of the faces, and 3/4" stock for the pocket holes on the edges of the faces.

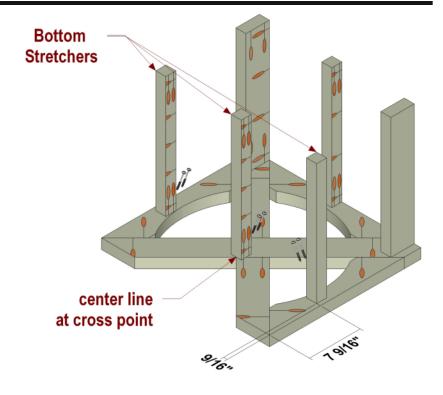
Bottom Stretcher





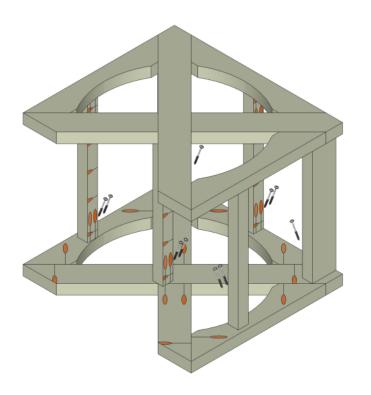


Position the parts as shown, and attach using 2 1/2" pocket hole screws. Use a straight edge as a guide to make sure the top of the center Bottom Stretcher is in line with the tops of the outer Bottom Stretchers BEFORE attaching.





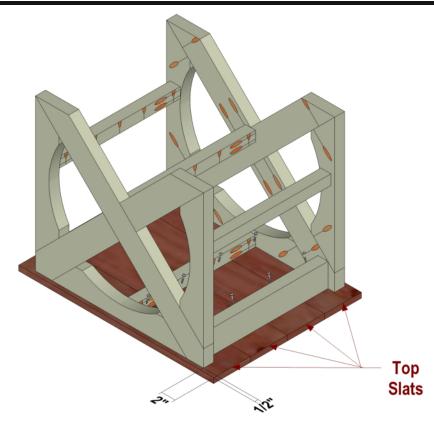
Position the parts as shown, and attach using 2 1/2" pocket hole screws.

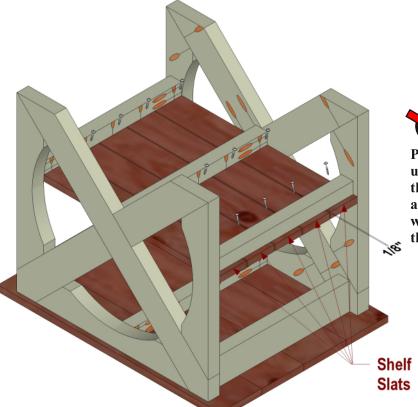






Position the parts as shown, and attach using 1 1/4" pocket hole screws.



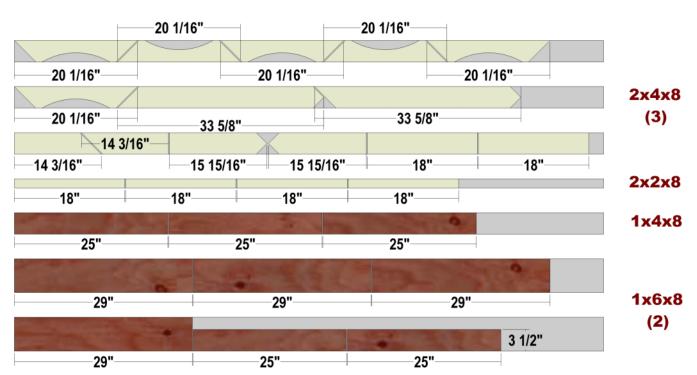


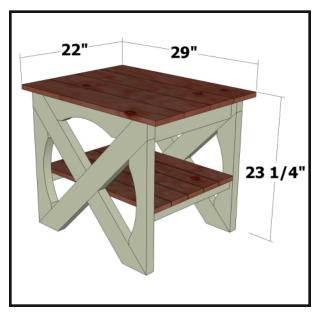


Position the parts as shown, and attach using 1 1/4" pocket hole screws. Clamp the Shelf Slats in place while attaching, and use a 1/8" spacer (a paint stir stick works well) to create the gap between the slats.

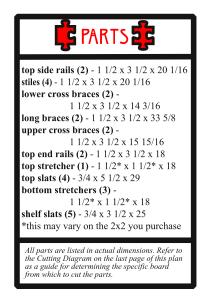


CUTTING DIAGRAM





Estimated lumber cost: starting at \$30 for one





Follow ALL SAFETY GUIDELINES AND RECOMMENDATIONS provided by the manufacturers of your tools, and any chemicals such as glue and finishes you use in this project. YOU are responsible for your safety, so use common sense when working in the shop!