

CHIEF'S SHOP PLAN OF THE WEEK



RAISED BOOKCASE



ABOUT THESE PLANS

On this first page you will see above the project complete. On the last page 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 next to 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:



LAYOUT

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



NOTE

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



TAKE CARE!

This indicates when to pay close attention to the diagrams, take precautions for safety, etc.



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WHAT YOU'LL NEED



LUMBER

- 1 - 1/2 x 4 x 2
- 1 - 1 x 2 x 4
- 1 - 1 x 3 x 2
- 2 - 1 x 3 x 8
- 2 - 1 x 4 x 8
- 2 - 2 x 6 x 8
- 1 - 1 x 10 x 8
- 1 - 1 x 12 x 8
- 1 - 1/4-inch x 4- x 4-foot sheet of plywood
- 1 - 1/4-inch x 2- x 4-foot sheet of plywood

(availability will vary)

HARDWARE/SUPPLIES

- Kreg 1 1/4" pocket hole screws
- Kreg 1" pocket hole screws
- 3/4" brads
- wood glue
- paint/stain/sealer/polyurethane

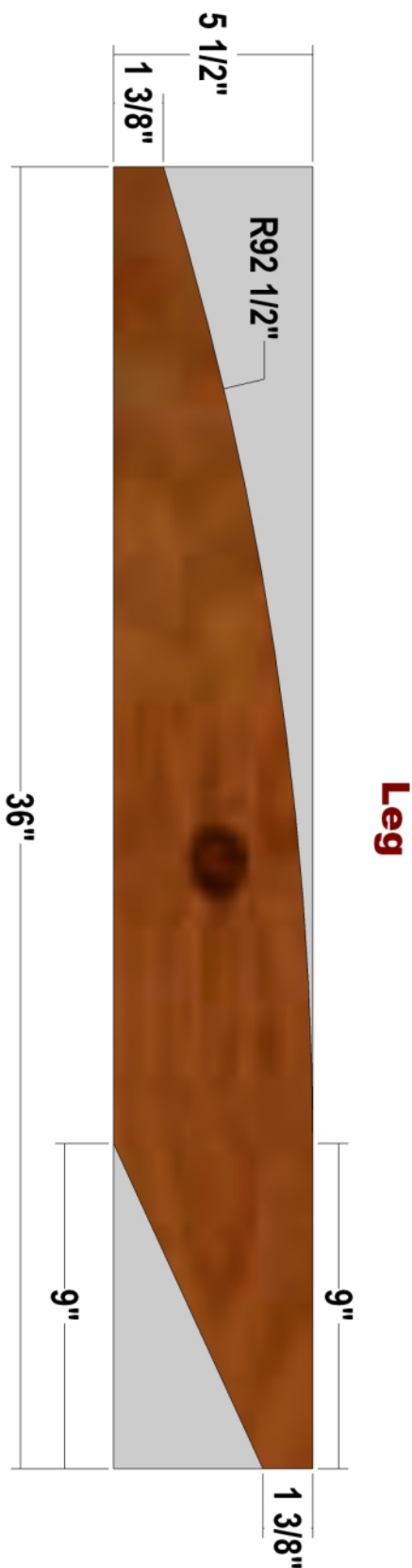
TOOLS

- table saw or circular saw
- miter saw
- jigsaw or band saw
- sander/belt sander
- drill/driver
- Kreg Jig
- clamps
- square
- flexible metal ruler

PARTS

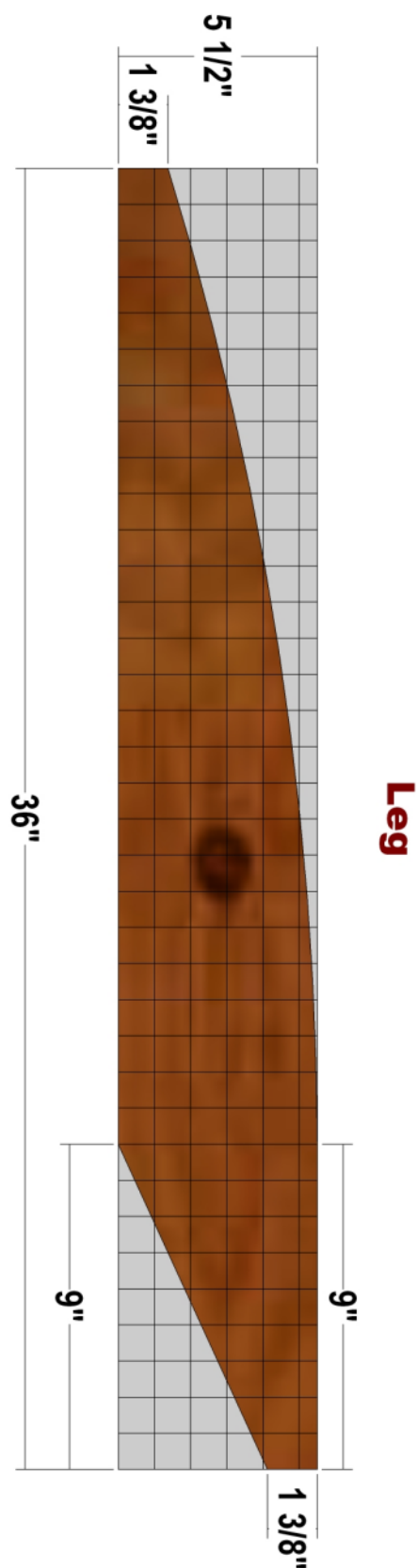
- Legs (4) - 1 1/2 x 5 1/2 x 36
- Top End Rails (2) - 3/4 x 3 1/2 x 11 1/4
- Bottom End Rails (2) - 3/4 x 3 1/2 x 11 1/4
- Outer End Stiles (4) - 3/4 x 2 1/2 x 20
- Center End Stiles (2) - 1/2 x 1 x 20
- Top Front Rails (1) - 3/4 x 3 1/2 x 42
- Top Back Rail (1) - 3/4 x 3 1/2 x 42
- Bottom Back Rail (1) - 3/4 x 3 1/2 x 42
- Back Stiles (3) - 3/4 x 2 1/2 x 20
- Top Slats (2) - 3/4 x 8 1/8 x 46 3/4
- Back Panel (1) - 1/4 x 27 x 41 7/8
- End Panels (2) - 1/4 x 11 1/8 x 27
- Bottom Front Rail (1) - 3/4 x 2 1/2 x 42
- Shelves (2) - 3/4 x 11 1/4 x 42
- Shelf Nosing (1) - 3/4 x 1 1/2 x 42

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.



 NOTE

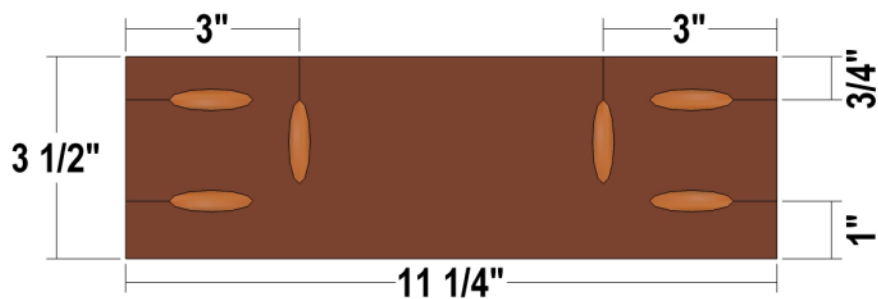
Use the layout on this page or the grid pattern on the next page for creating the Legs. *Create one and use it as a template for making the three remaining legs.*



NOTE

Each full square represents 1 square inch.

Top End Rail



Bottom End Rail

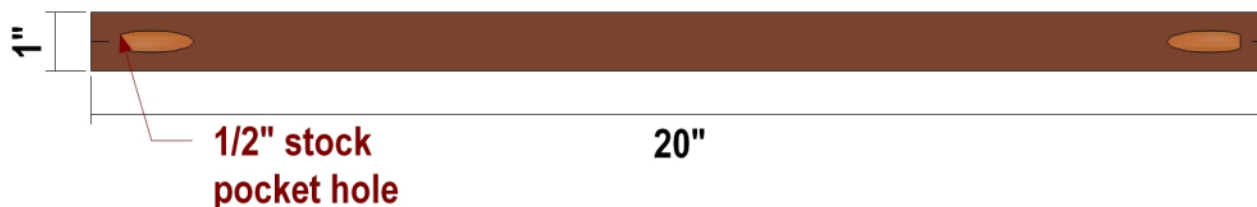


Use the layouts for creating the Top End Rails and Bottom End Rails. **Set your Kreg Jig and drill bit for 3/4" stock.** *Create two of each.*

Outer End Stile



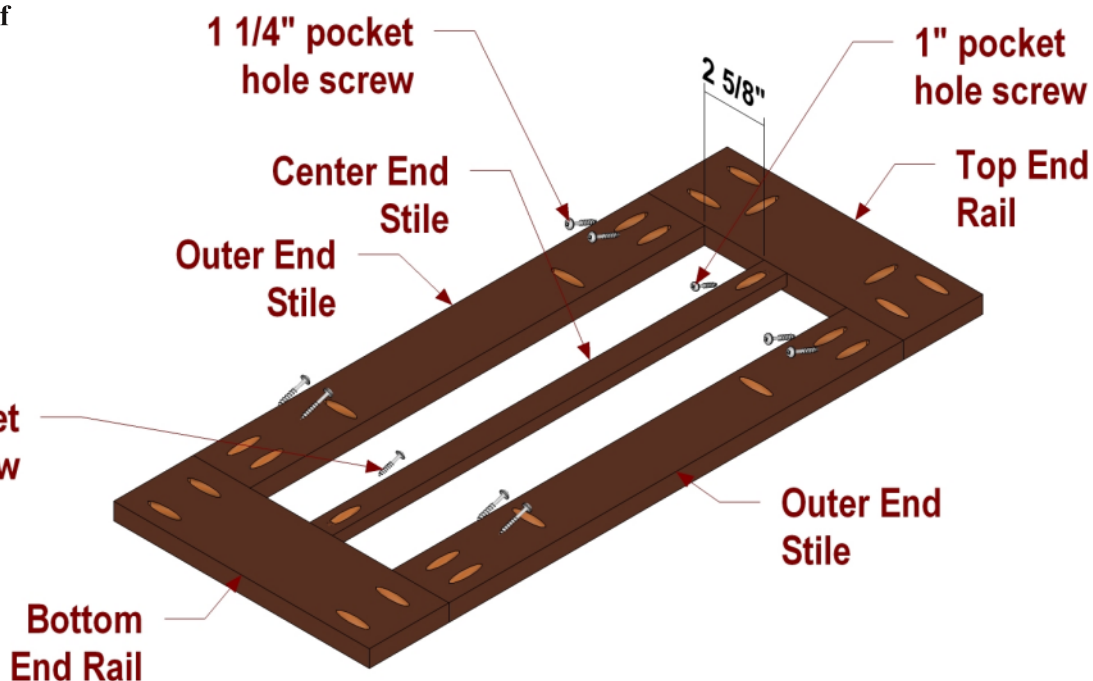
Center End Stile



Use the layouts for creating the Outer End Stiles and Center End Stiles. **Set your Kreg Jig and drill bit for 3/4" stock for the Outer End Stiles and 1/2" stock for the Center End Stiles.** *Create four of the Outer End Stiles and two of the Center End Stiles.*

NOTE

Apply glue to the ends of the stiles, and position the parts as shown. Attach the Outer End Stiles using 1 1/4" pocket hole screws, and the Center End Stile using 1" pocket hole screws. Use a piece of 1/4" scrap to position the Center End Stile flush with the end rails. Create two assemblies.



NOTE

Position the end stile/rail assemblies as shown and attach using glue and 1 1/4" pocket hole screws. Be sure to drive the screws through the holes in the rails and end stiles.



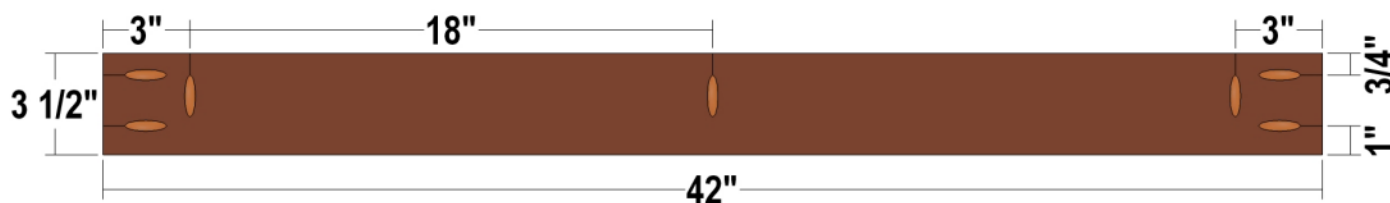
NOTE

Attach the end stile/rail assemblies to the other Leg using glue and 1 1/4" pocket hole screws. Create two assemblies.

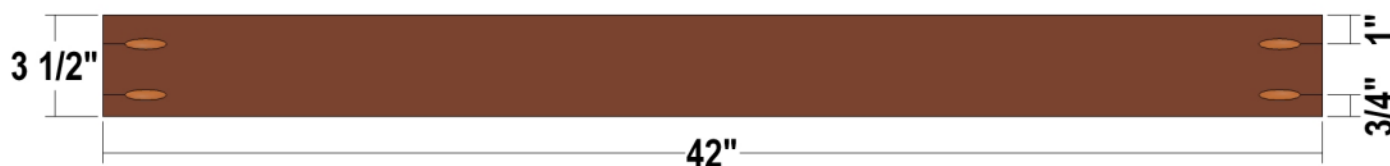


Top Back Rail

LAYOUT



Bottom Back Rail



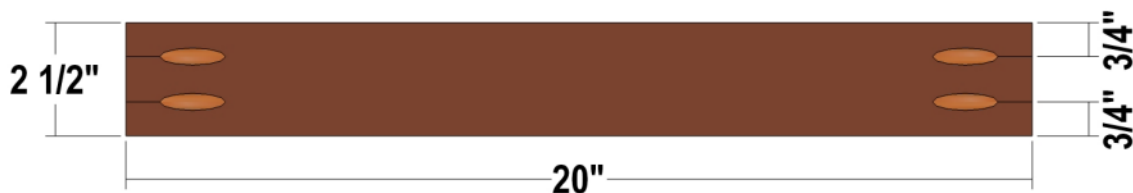
NOTE

Use the layouts for creating the Top Back Rail and Bottom Back Rail. **Set your Kreg Jig and drill bit for 3/4" stock.**

Outer Back Stile



Center Back Stile

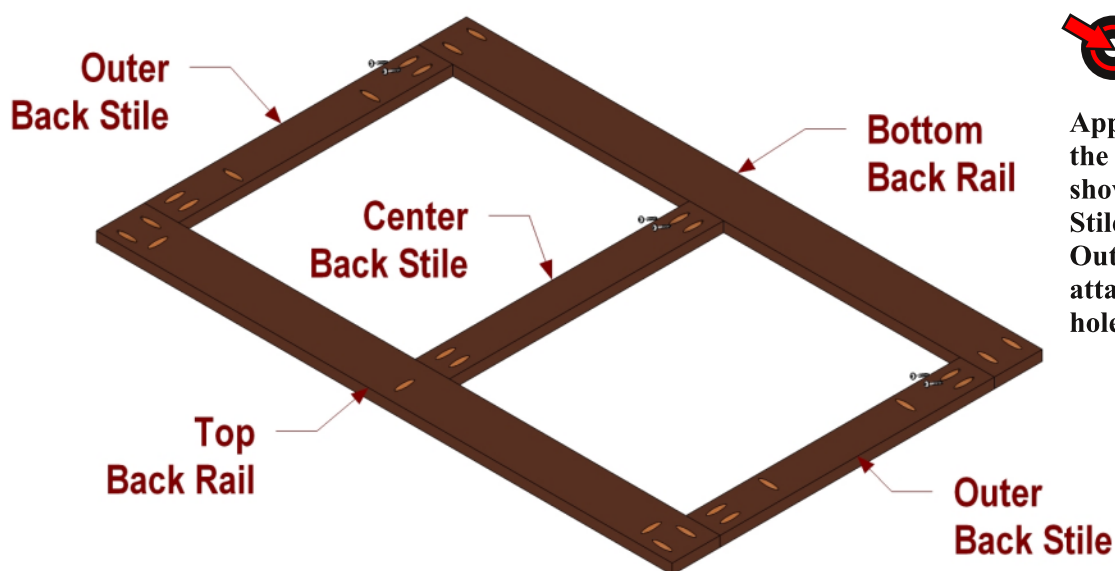


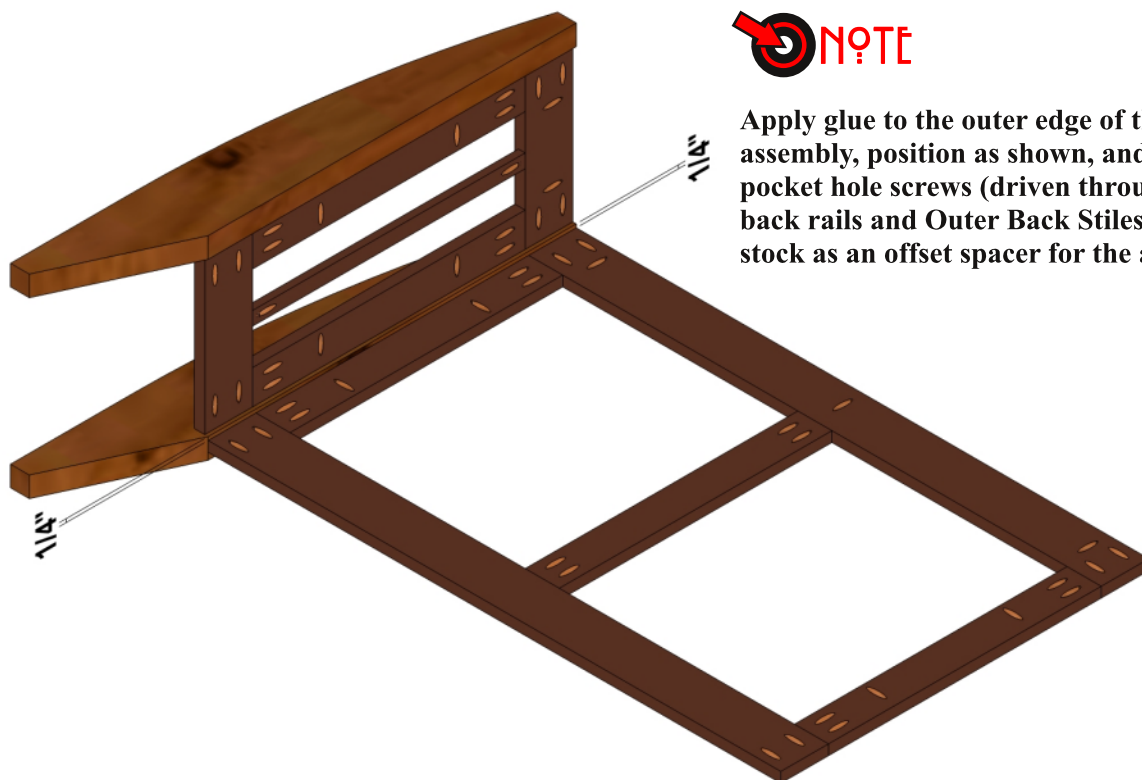
 NOTE

Use the layouts for creating the Top Back Rail, Bottom Back Rail, Outer Back Stiles (two), and Center Back Stile. **Set your Kreg Jig and drill bit for 3/4" stock.**

 NOTE

Apply glue to the ends of the stiles, position as shown (the Center Back Stile centered between the Outer Back Stiles) and attach using 1 1/4" pocket hole screws.





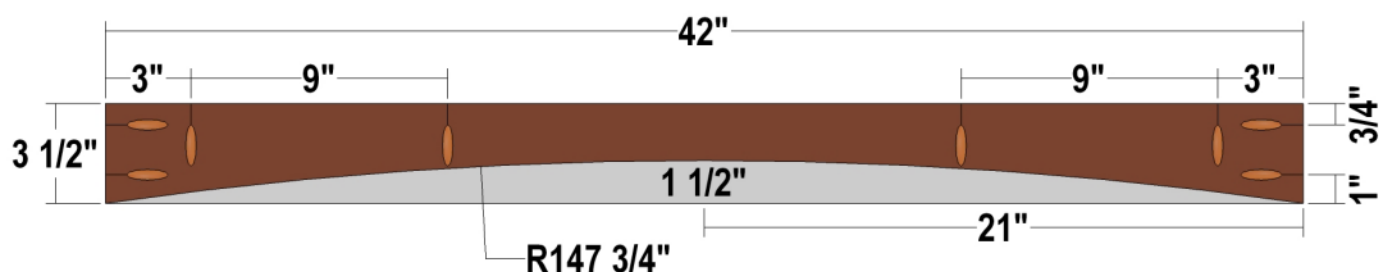
NOTE
Apply glue to the outer edge of the back rail/stile assembly, position as shown, and attach using 1 1/4" pocket hole screws (driven through the holes in the back rails and Outer Back Stiles). Use scrap 1/2" stock as an offset spacer for the assembly.



Apply glue to the outer edge of the other back rail/stile assembly, position as shown, and attach using 1 1/4" pocket hole screws (driven through the holes in the back rails and Outer Back Stiles). Use scrap 1/2" stock as an offset spacer for the assembly.



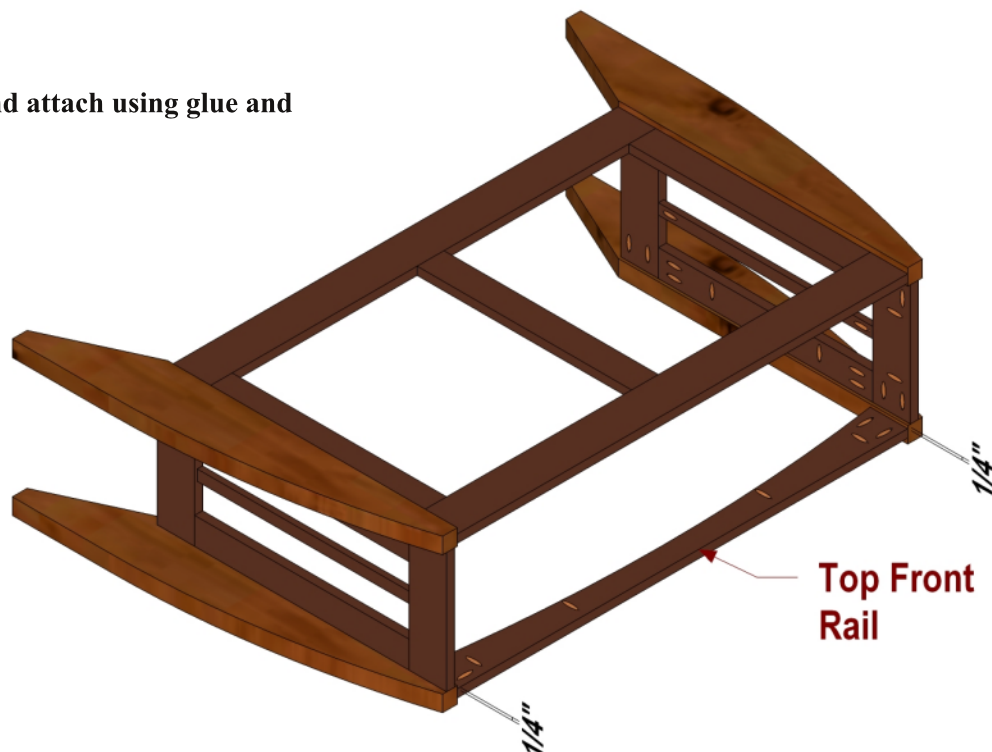
Top Front Rail



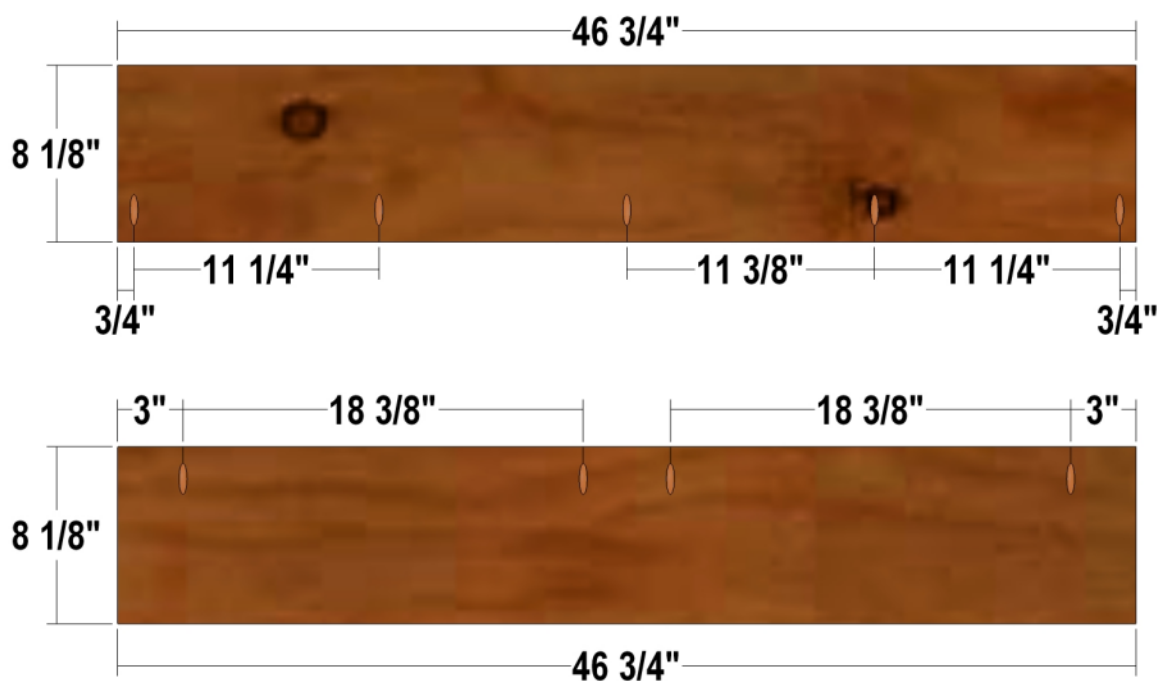
Use the layouts for creating the Top Front Rail. Set your Kreg Jig and drill bit for 3/4" stock.



Position the part as shown and attach using glue and 1 1/4" pocket hole screws.



Top Slats



Use the layouts for creating the Top Slats. **Set your Kreg Jig and drill bit for 3/4" stock.**



Apply glue to the pocket hole edges of the Top Slats, position as shown, and attach using 1 1/4" pocket hole screws.



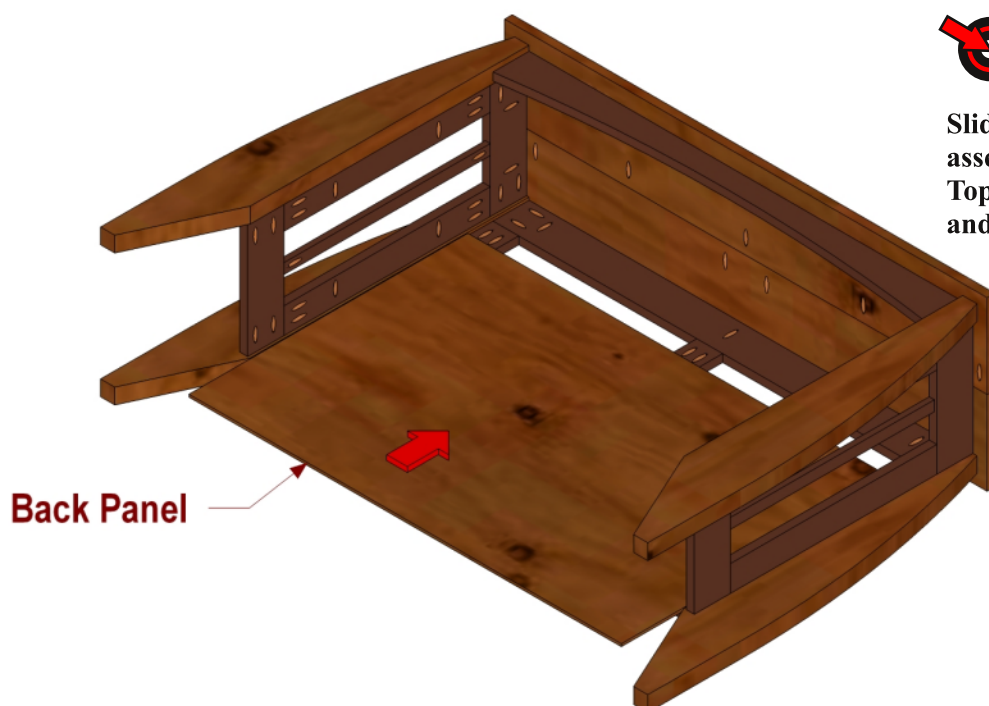
NOTE

Apply glue to the top edges of the rails and the top ends of the Legs, position as shown, and attach using 1 1/4" pocket hole screws.



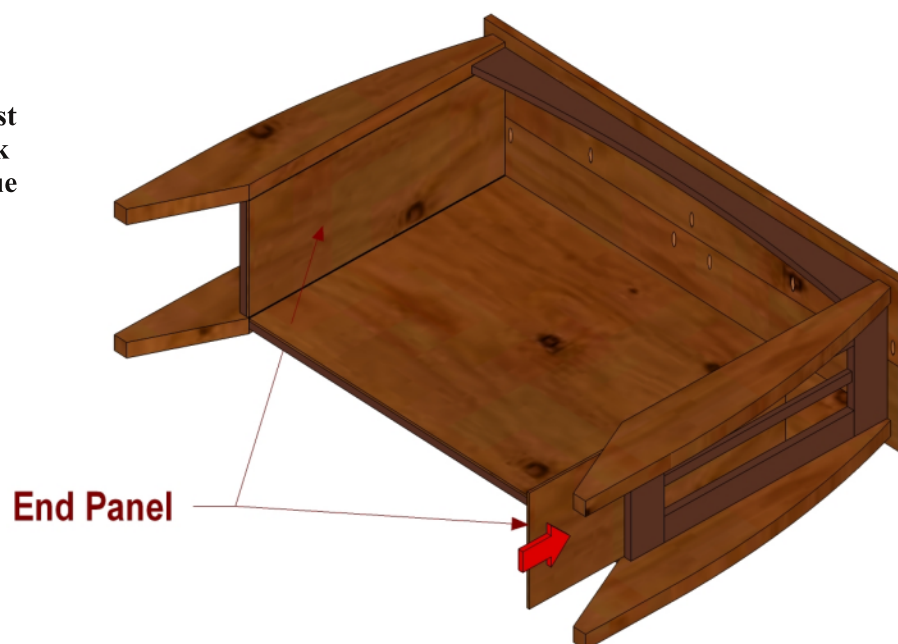
NOTE

Slide the Back Panel into the assembly until it is flush against the Top Slats and attach to the back rails and stils using 3/4" brads. Glue is optional.



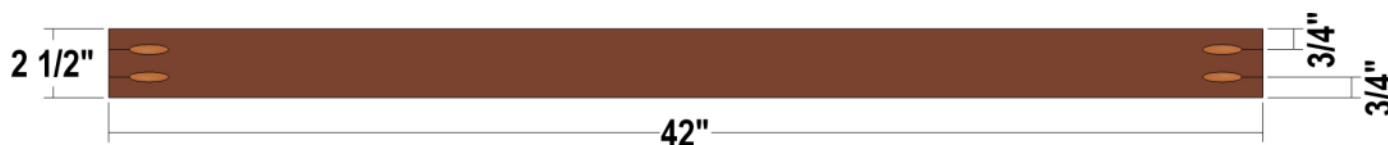
NOTE

Slide the End Panels into the assembly until they are flush against the Top Slats and attach to the back rails and stils using 3/4" brads. Glue is optional.



LAYOUT

Bottom Front Rail



NOTE

Use the layout for creating the Bottom Front Rail. Set your Kreg Jig and drill bit for 3/4" stock.

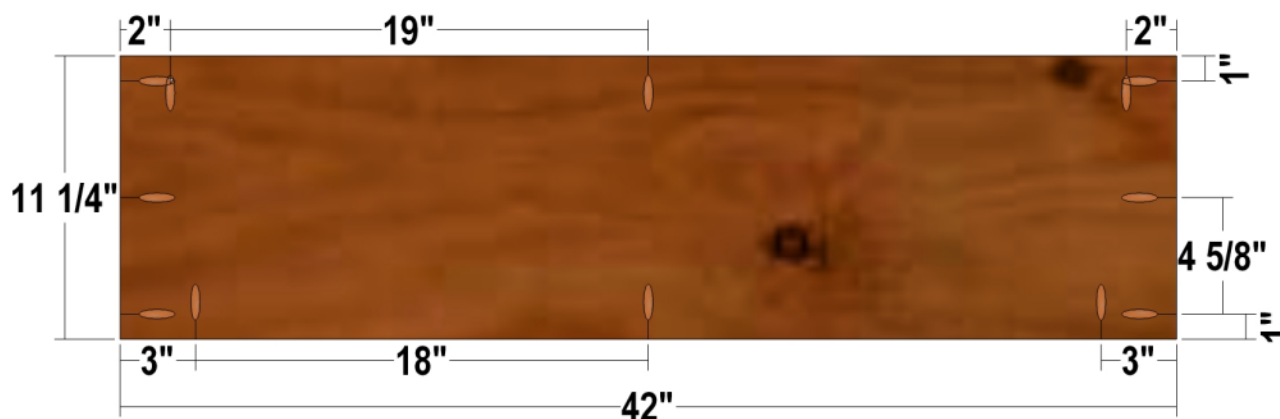
NOTE

Position the Bottom Front Rail flush with the inside edge of the front legs (use scrap 3/4" stock as spacers), and attach using glue and 1 1/4" pocket hole screws.



Shelf

LAYOUT

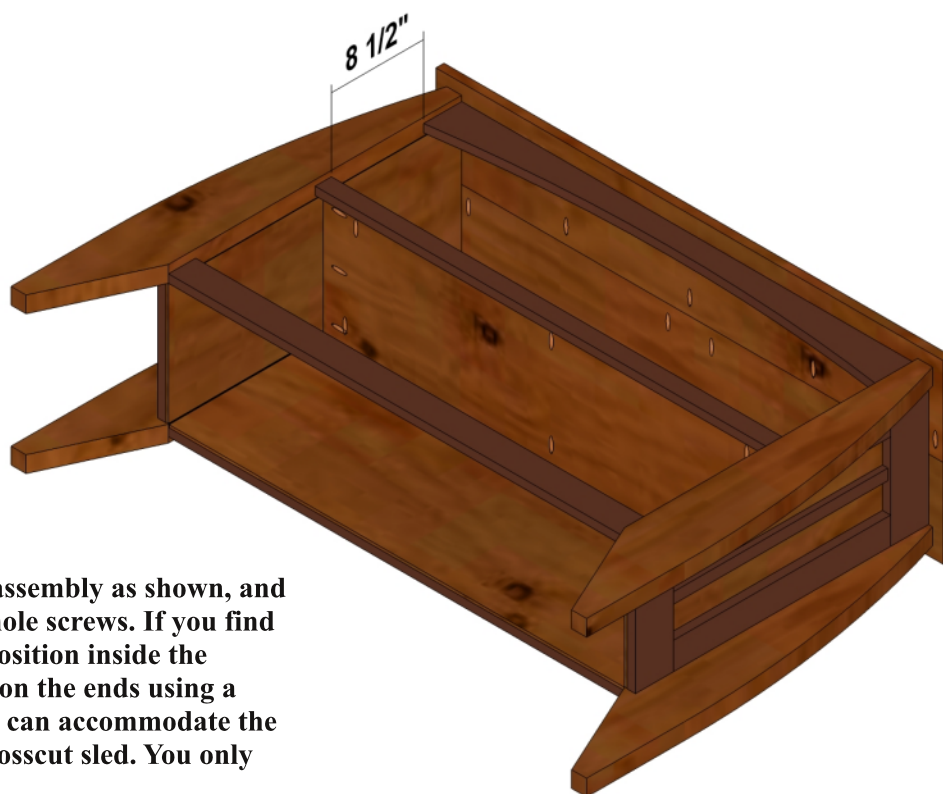


NOTE

Use the layout for creating the Shelves. **Set your Kreg Jig and drill bit for 3/4" stock. Note that the pocket holes 2" from the end will be place toward the back of the assembly in the following steps.**



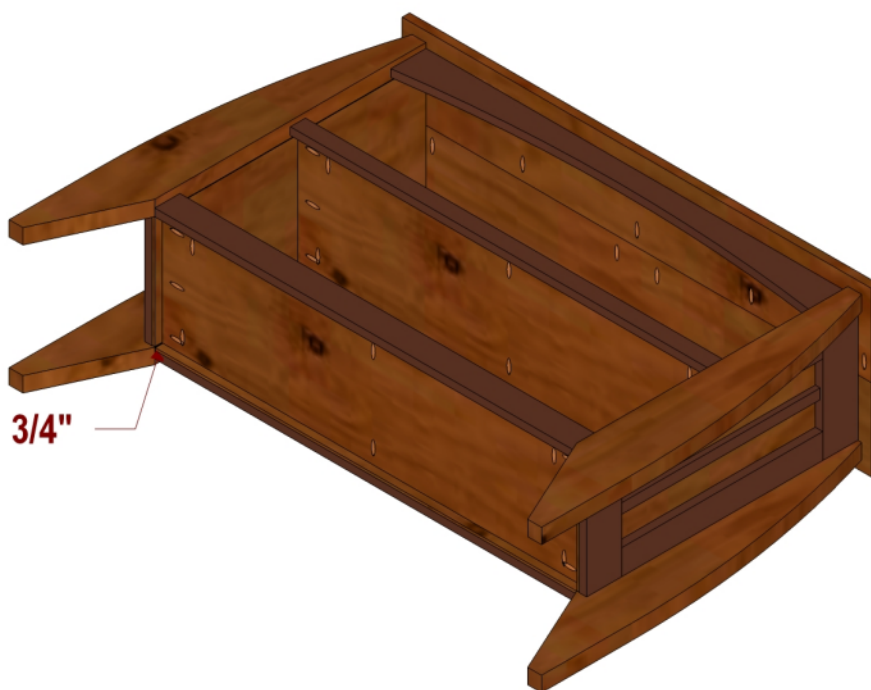
Position the Shelf Nosing as shown, and attach using glue and 1 1/4" pocket hole screws.



Position the Shelf Nosing/Shelf assembly as shown, and attach using and 1 1/4" pocket hole screws. If you find this assembly a bit too snug to position inside the assembly, simply shave off a bit on the ends using a circular saw, miter saw (if yours can accommodate the width), or a table saw using a crosscut sled. You only want to remove 1/16" or so.

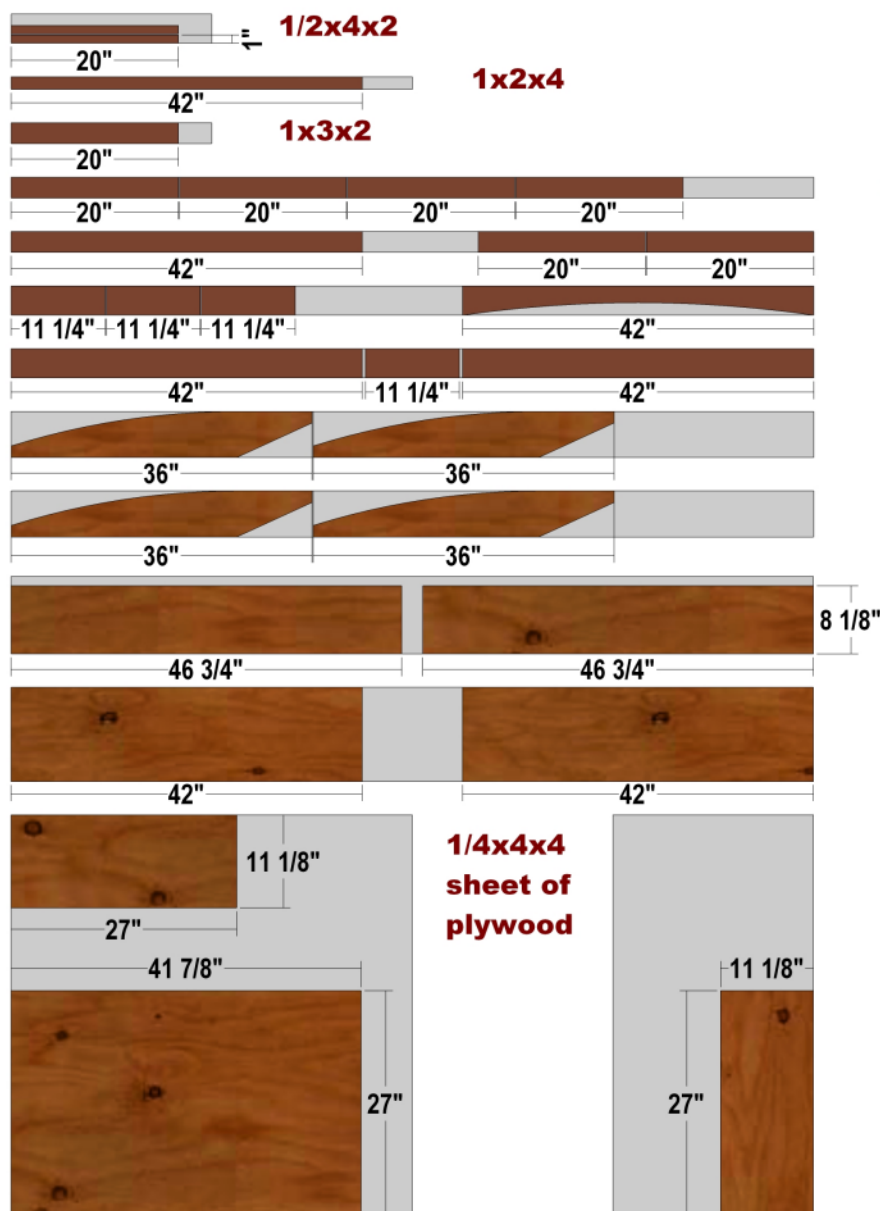
 NOTE

Position the last shelf as shown, and attach using and 1 1/4" pocket hole screws. Again, if you find the shelf to be a bit too snug to position inside the assembly, simply shave off a bit on the ends using a circular saw, miter saw (if yours can accommodate the width), or a table saw using a crosscut sled. You only want to remove 1/16" or so. If you find the Shelf is too deep, rip it slightly on your table saw or using a circular saw with a guide. Again, you only want to remove a very small amount.





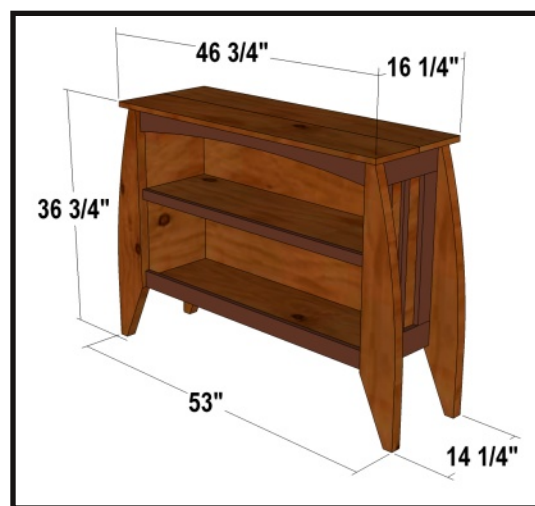
CUTTING DIAGRAM



PARTS

Legs (4) - 1 1/2 x 5 1/2 x 36
 Top End Rails (2) - 3/4 x 3 1/2 x 11 1/4
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 Back Panel (1) - 1/4 x 27 x 41 7/8
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 Bottom Front Rail (1) - 3/4 x 2 1/2 x 42
 Shelves (2) - 3/4 x 11 1/4 x 42
 Shelf Nosing (1) - 3/4 x 1 1/2 x 42

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.



TAKE CARE!

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!