

CHIEF'S SHOP PLAN OF THE WEEK

SIMPLE WOODWORKING: CABIN CHAIR



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.

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.

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.

WHAT YOU'LL NEED



LUMBER

3 - 2 x 4 x 8

2 - 1 x 4 x 8

1 - 1 x 4 x 6

(availability will vary)

HARDWARE/SUPPLIES

2 1/2" pocket hole screws

#16 x 1 1/2" brads or

1 1/4" deck screws

wood glue

primer/paint/stain

TOOLS

miter saw, circular saw,

or hand saw

table saw with tapering jig

or jig saw

drill/driver

Kreg jig and drill bit

power sander

pneumatic nailer/hammer

clamps

square

PARTS

Back Legs (2) - 1 1/2 x 3 1/2 x 36

Front Legs (2) - 1 1/2 x 3 1/2 x 16

End Rails (2) - 1 1/2 x 3 1/2 x 15

Side Rails (2) - 1 1/2 x 3 1/2 x 20

Stretcher (1) - 1 1/2 x 3 1/2 x 14 3/4

Back Rail (1) - 1 1/2 x 3 1/2 x 20

Slats (7) - 3/4 x 3 1/2 x 24

Top Slat (1) - 3/4 x 3 1/2 x 27 1/2

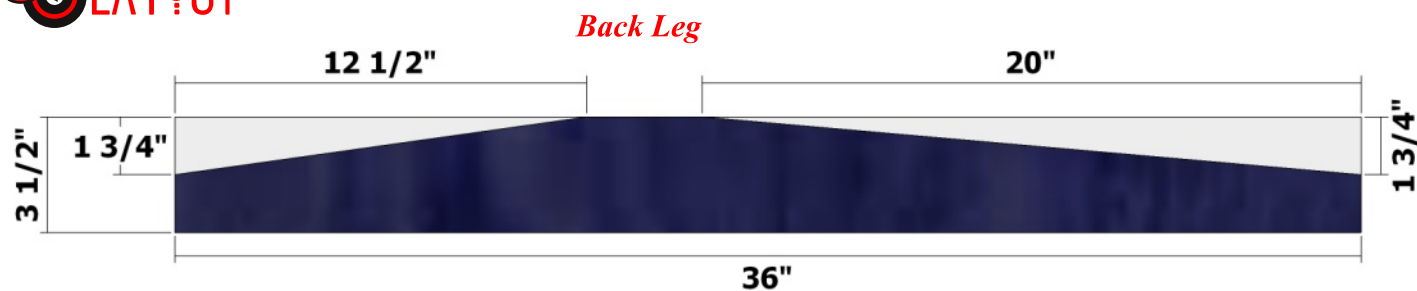
All parts are listed in actual dimensions. Refer to the Cutting Diagram on the last page of this plan as a guide for determining the specific board from which to cut the parts.

MORE PLANS

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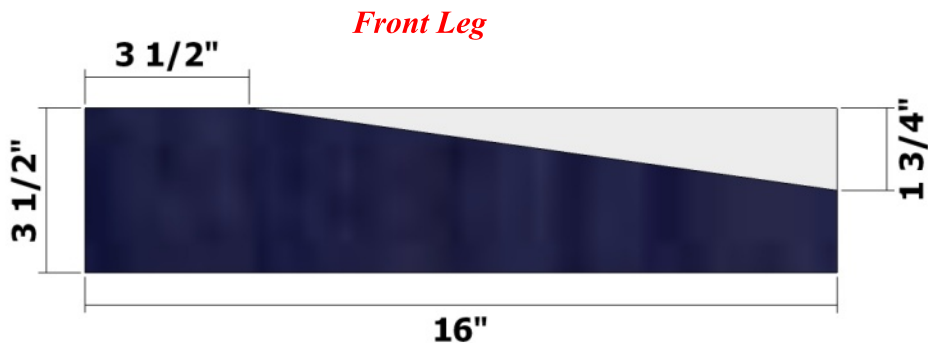
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LAYOUT

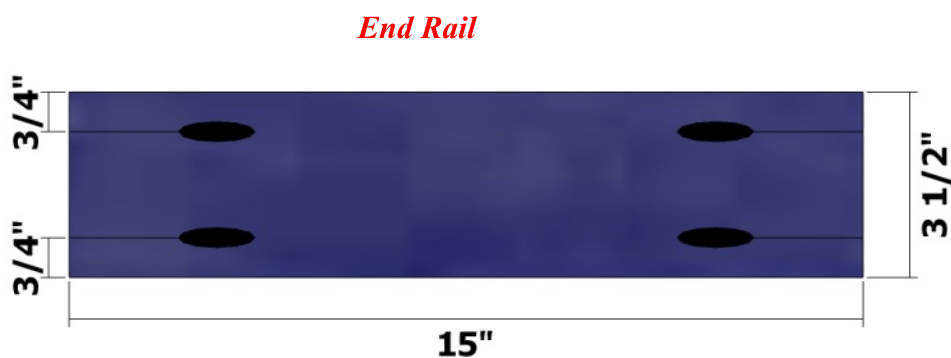


NOTE

Use the layouts above and below as guides for measuring, marking, and cutting the **Back Legs** and **Front Legs**.

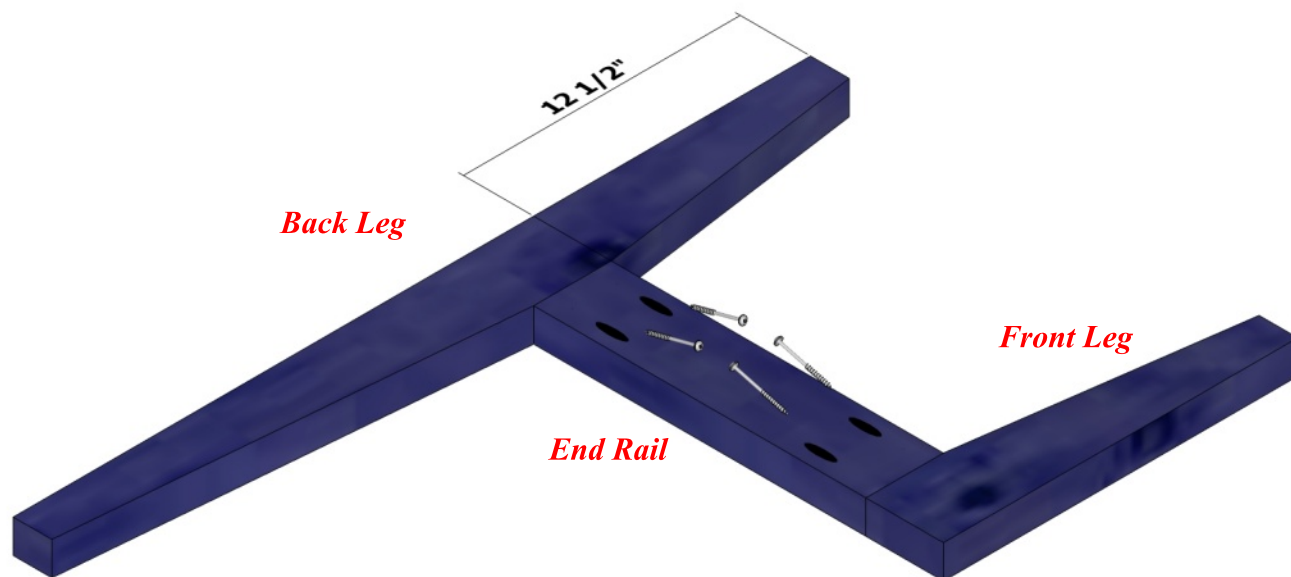


LAYOUT



NOTE

Use the layout as guide for measuring, marking, cutting, and drilling pocket holes in the **End Rails**. Set your pocket hole jig and drill bit for 1 1/2-inch stock.



Position the **End Rail** as shown above (flush with the end of the inside edge of the **Front Leg** and as shown on the inside edge of the **Back Leg**) and attach using glue and 2 1/2-inch pocket hole screws. Create a second assembly as a mirror image to this assembly.

LAYOUT

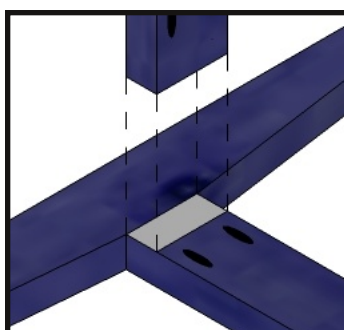


NOTE

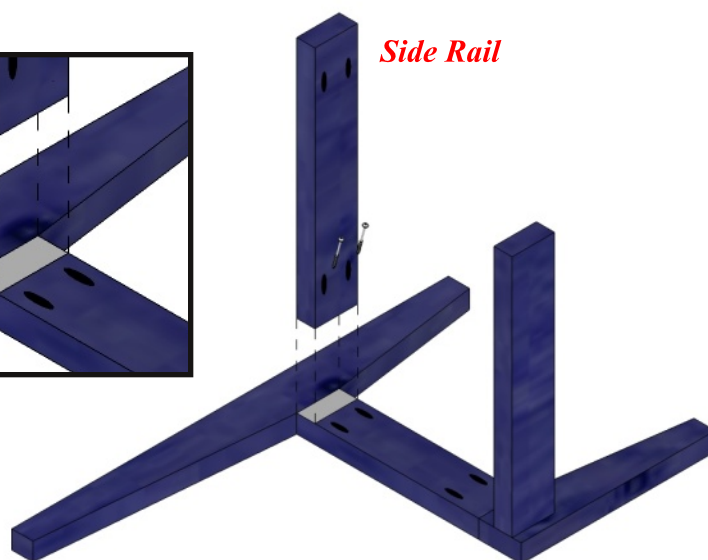
Use the layout as guide for measuring, marking, cutting, and drilling pocket holes in the **Side Rails** and **Back Rail**. Set your pocket hole jig and drill bit for 1 1/2-inch stock.



Use a piece of 3/4-inch scrap as a spacer as shown, position one **Side Rail** flush against the top end of the **Front Leg**, and attach using glue and 2 1/2-inch pocket hole screws.

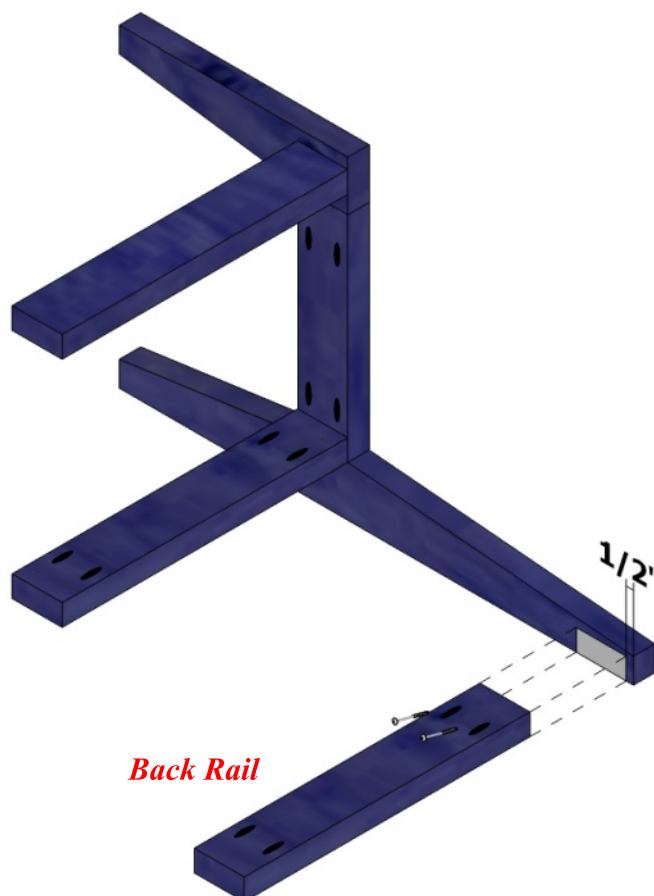


Position the remaining **Side Rail** flush with the end of the **End Rail** as shown and attach using glue and 2 1/2-inch pocket hole screws as shown.

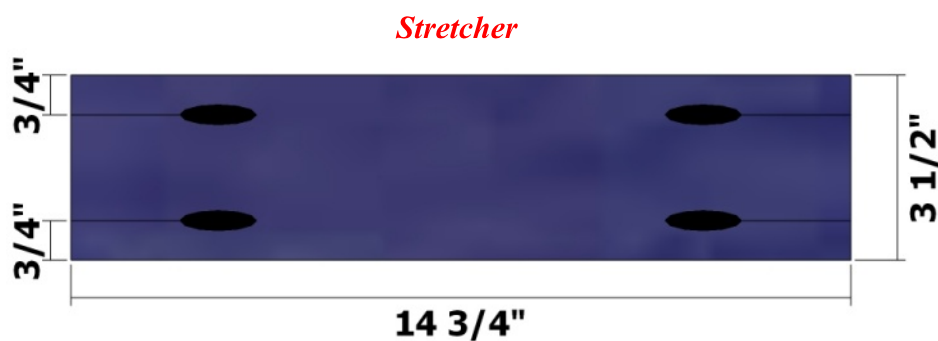


NOTE

Position the **Back Slat** as shown (flush with the back edge of the **Back Leg** and 1/2-inch from the top end) and attach using glue and 2 1/2-inch pocket hole screws.



LAYOUT

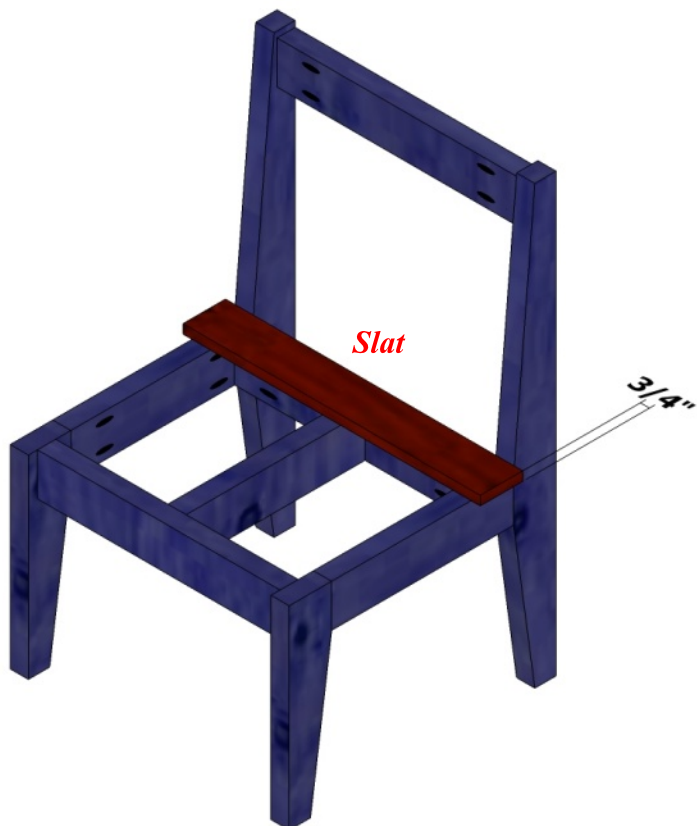
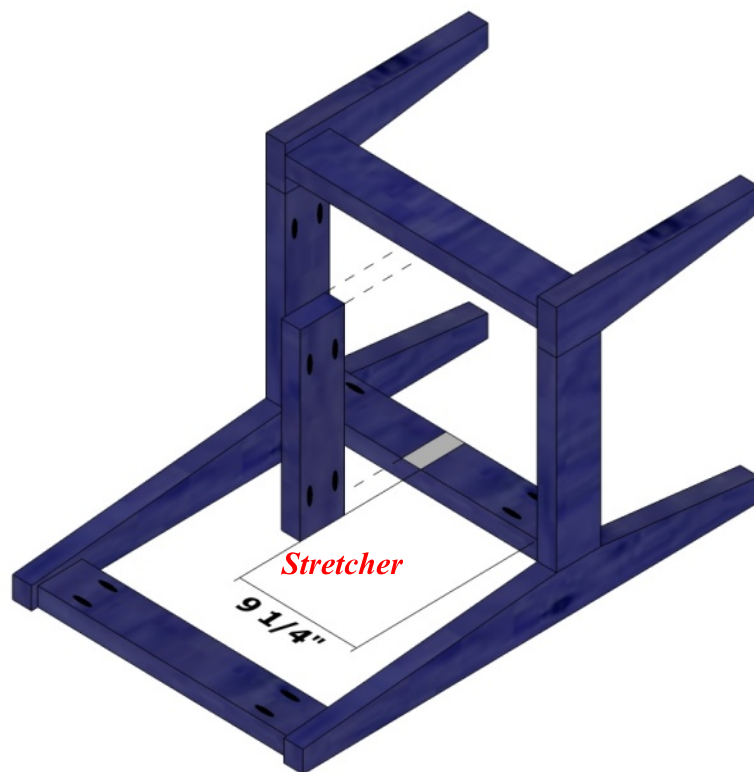


NOTE

Use the layout as guide for measuring, marking, cutting, and drilling pocket holes in the **Stretcher**. Set your pocket hole jig and drill bit for 1 1/2-inch stock.

NOTE

Position the **Stretcher** as shown (centered between the End Rails) and attach using glue and 2 1/2-inch pocket hole screws.



NOTE

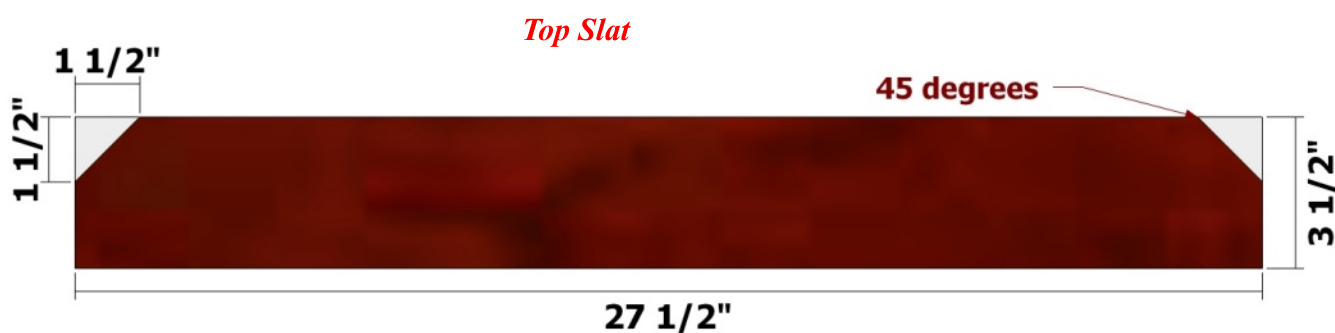
Position one **Slat** as shown (flush against the **Back Legs** and centered across the base assembly - roughly 3/4-inch overhang on each end) and attach using glue and 1 1/2-inch brads or 1 1/4-inch deck screws. Attach to the **Side Rails** and **Stretcher**.

NOTE

Position four more **Slats** as shown (7/16-inch apart and flush with the ends of the first **Slat**) and attach using glue and 1 1/2-inch brads or 1 1/4-inch deck screws. Attach to the **Side Rails** and **Stretcher**.



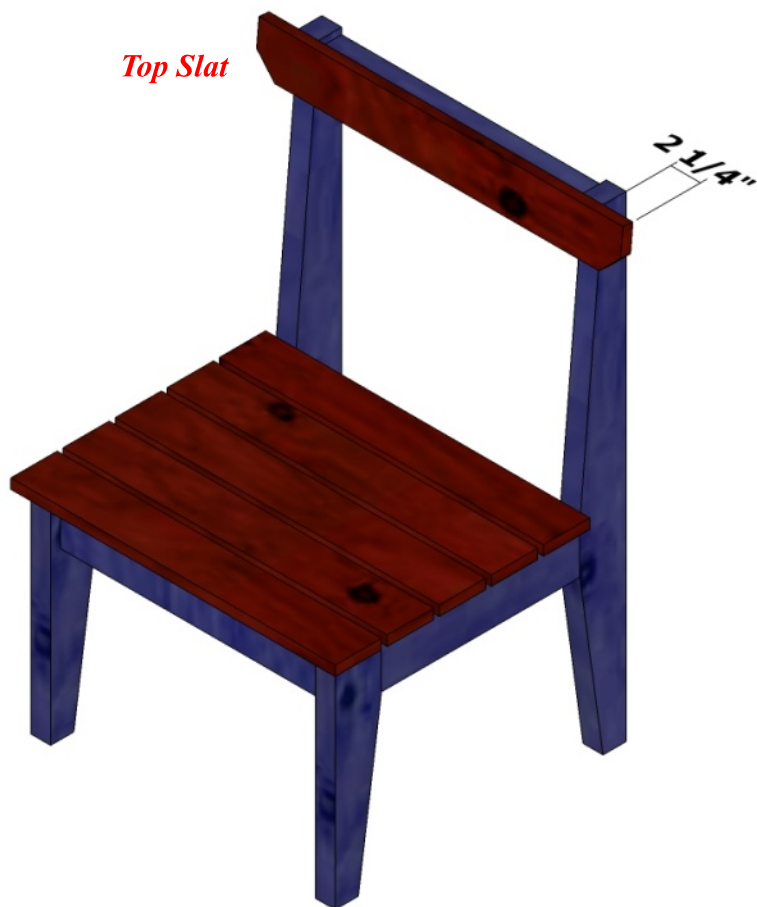
LAYOUT



NOTE

Use the layout above as a guide for measuring, marking, and cutting the **Top Slat**.

Top Slat



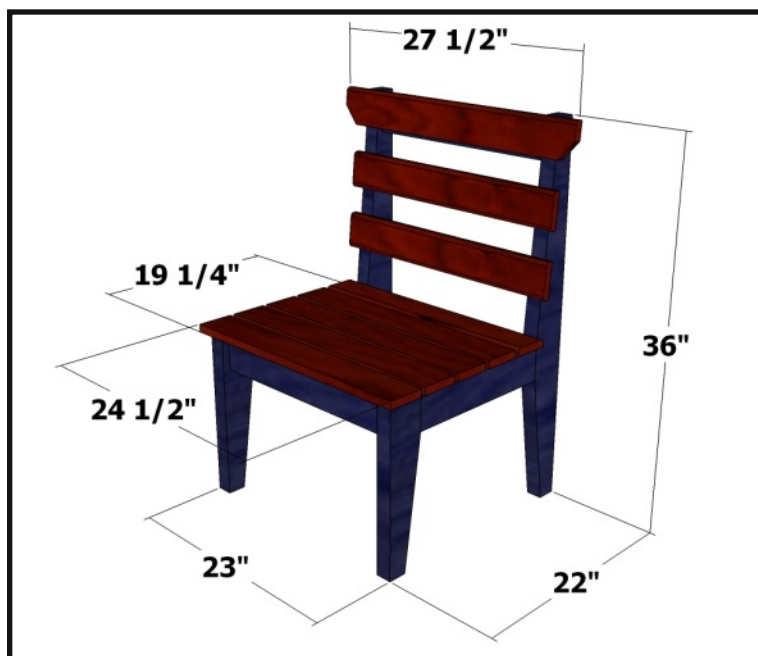
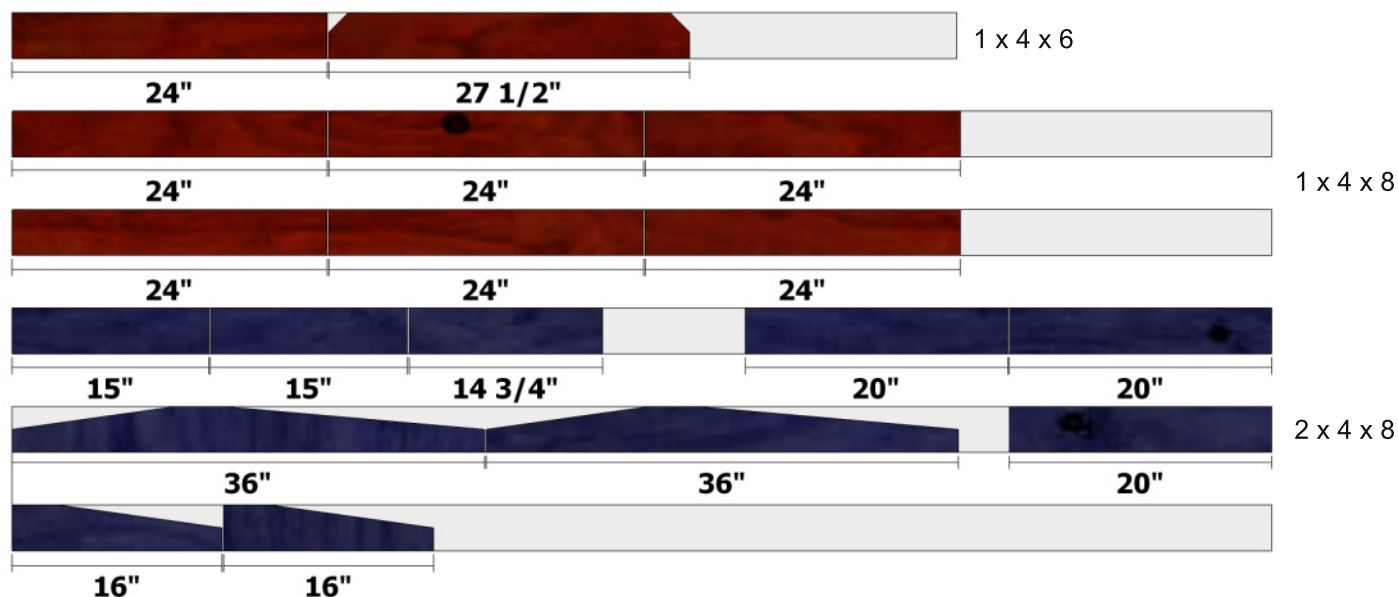
Position the **Top Slat** as shown (flush with the top end of the **Back Legs** and centered across the assembly - roughly 2 1/2-inches overhanging off each end) and attach using glue and 1 1/2-inch brads or 1 1/4-inch deck screws.



Position the remaining two **Slats** as shown (2 3/4-inches apart and centered across the assembly - roughly 3/4-inch overhanging off each end) and attach using glue and 1 1/2-inch brads or 1 1/4-inch deck screws.



K CUTTING DIAGRAM



PARTS

Back Legs (2) - 1 1/2 x 3 1/2 x 36
Front Legs (2) - 1 1/2 x 3 1/2 x 16
End Rails (2) - 1 1/2 x 3 1/2 x 15
Side Rails (2) - 1 1/2 x 3 1/2 x 20
Stretcher (1) - 1 1/2 x 3 1/2 x 14 3/4
Back Rail (1) - 1 1/2 x 3 1/2 x 20
Slats (7) - 3/4 x 3 1/2 x 24
Top Slat (1) - 3/4 x 3 1/2 x 27 1/2

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!