

CHIEF'S SHOP PLAN OF THE WEEK



SIMPLE WOODWORKING: POTTING BENCH



WHAT YOU'LL NEED



LUMBER

- 1 - 2 x 4 x 8
- 9 - 2 x 4 x 10
- 1 - 2 x 6 x 8
- 2 - 2 x 6 x 10
- 1 - 2 x 10 x 8
- 2 - 4 x 4 x 8

(availability will vary)

HARDWARE/SUPPLIES

- 2 1/2" pocket hole screws
- 2 1/2" deck screws
- wood glue
- paint/stain/polyurethane

TOOLS

- table saw
- miter saw
- jig saw
- drill/driver
- pneumatic nailer or hammer
- Kreg pocket hole jig & drill bit
- clamps

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.

PARTS

- Back Legs (2) - 3 1/2 x 3 1/2 x 48 1/2
- Front Legs (2) - 3 1/2 x 3 1/2 x 34 1/2
- Bottom End Rails (2) - 1 1/2 x 3 1/2 x 26
- Top End Rails (2) - 1 1/2 x 5 1/2 x 26
- Bottom Back Rail (1) - 1 1/2 x 3 1/2 x 48
- Top Back Rail (1) - 1 1/2 x 5 1/2 x 48
- Bottom Front Rail (1) - 1 1/2 x 3 1/2 x 48
- Top Front Rail (1) - 1 1/2 x 5 1/2 x 48
- Bottom Stretcher (1) - 1 1/2 x 3 1/2 x 26
- Top Stretcher (1) - 1 1/2 x 1 1/2 x 26
- Short Bottom Slats (2) - 1 1/2 x 3 1/2 x 48
- Bottom Slats (7) - 1 1/2 x 3 1/2 x 57
- Top Slats (7) - 1 1/2 x 3 1/2 x 57
- Front Slat (1) - 1 1/2 x 5 1/2 x 57
- Shelf Rail (1) - 1 1/2 x 5 1/2 x 48
- Shelf (1) - 1 1/2 x 8 1/4 x 48

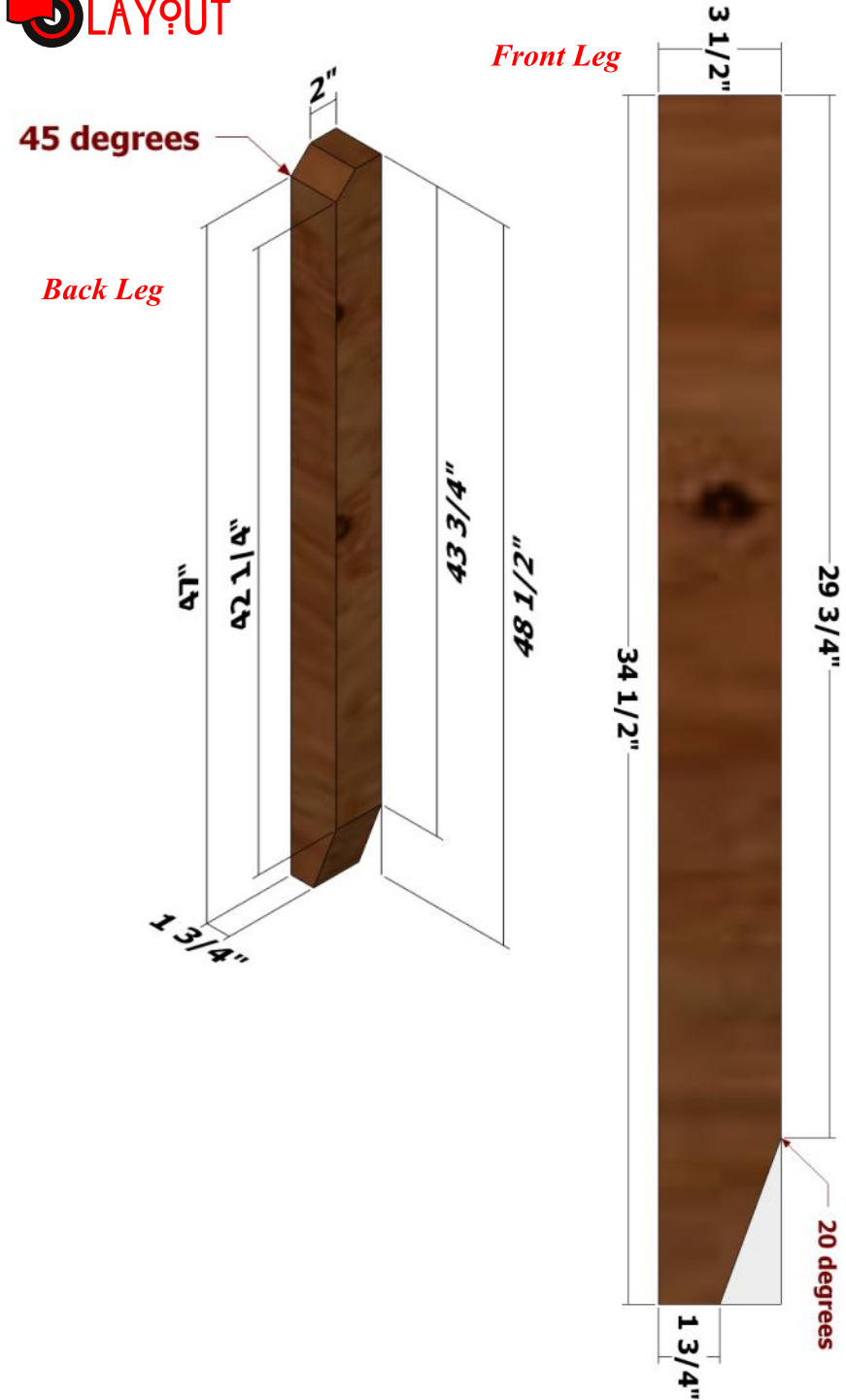
All parts are listed in actual dimensions. Refer to the Cutting Diagram on the last page of this plan as a guide for determining the specific board from which to cut the parts.



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LAYOUT



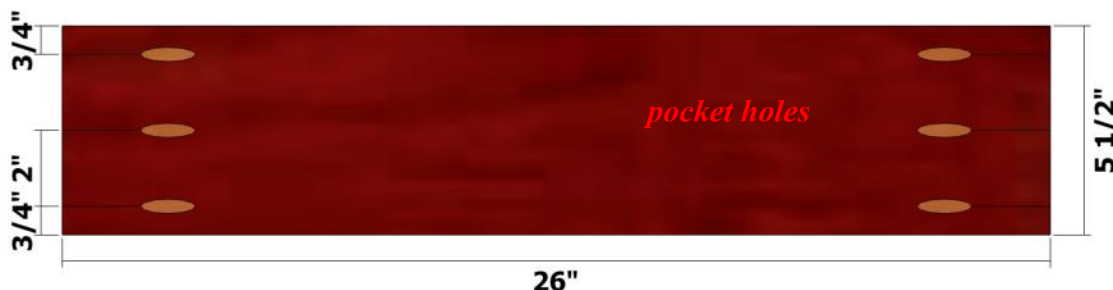
NOTE

Use the layouts as guides for measuring, marking, and cutting the **Back Legs** and **Front Legs**. Make one set as shown and one set as a mirror image to the first set.



LAYOUT

Top End Rail



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

Bottom End Rail/Bottom Stretcher

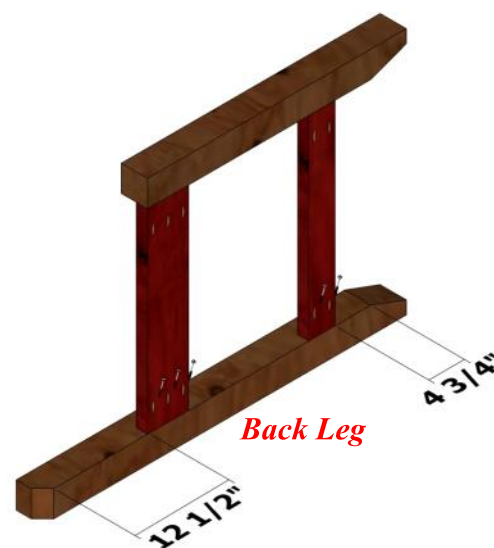


Top End Rail



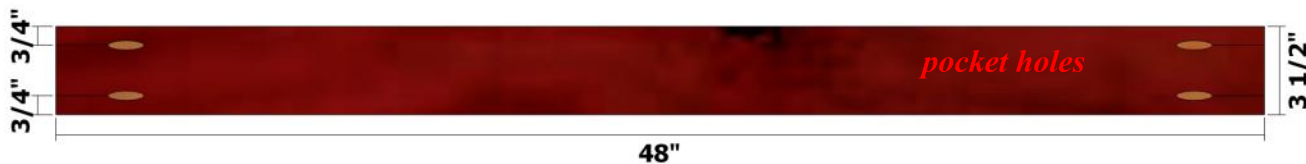
NOTE

Position the **Bottom and Top End Rails** as shown and attach to the **Legs** using glue and 2 1/2-inch pocket hole screws. Create a second **End Assembly** as a mirror image to the first.



LAYOUT

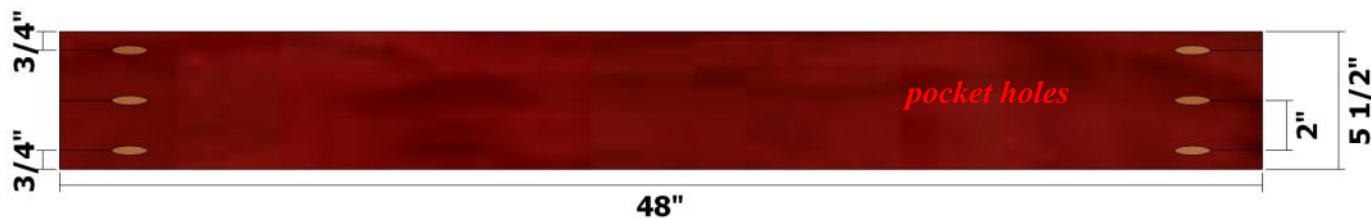
Bottom Back/Front Rail



NOTE

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

Top Back Rail



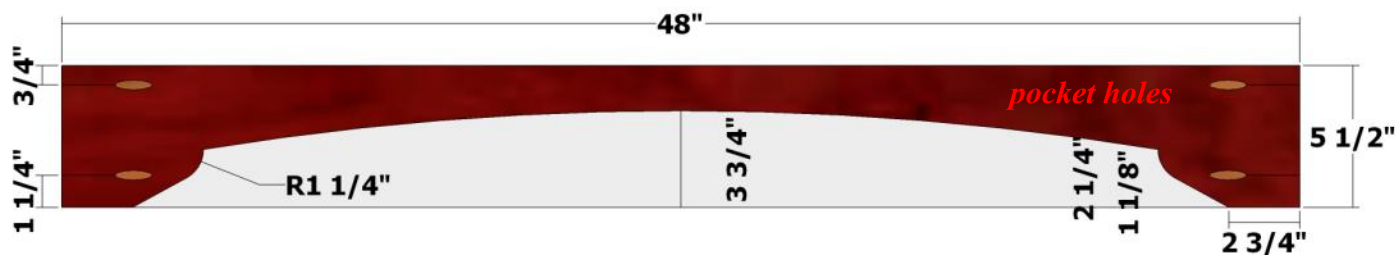
NOTE

Position the **Top Back Rail** and **Bottom Back Rail** as shown and attach using glue and 2 1/2-inch pocket hole screws.



LAYOUT

Top Front Rail/Shelf Rail



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

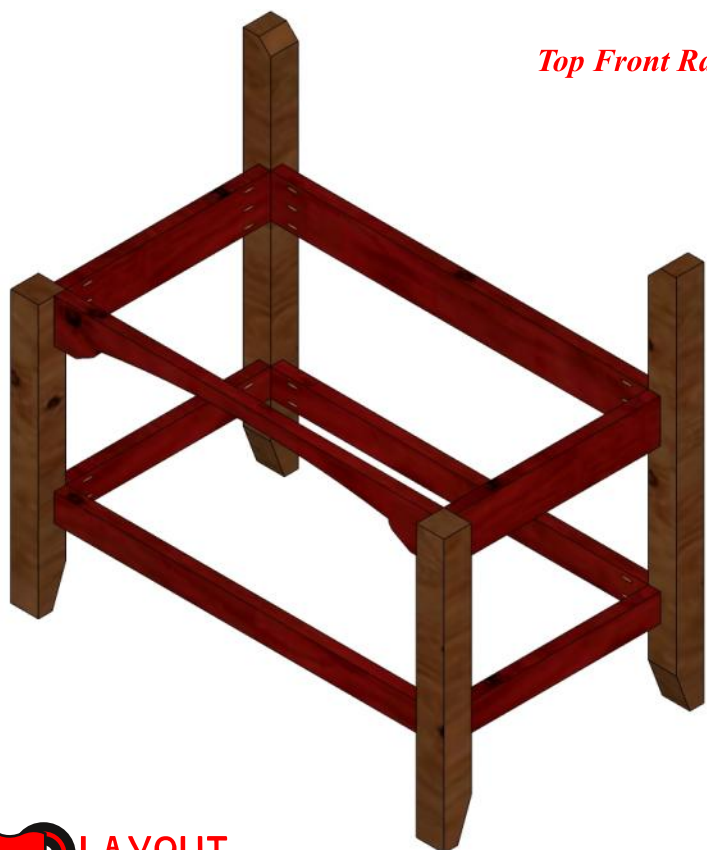


NOTE

Position the **Bottom Front Rail** and **Top Front Rail** as shown and attach using glue and 2 1/2-inch pocket hole screws.



Top Front Rail/Shelf Rail

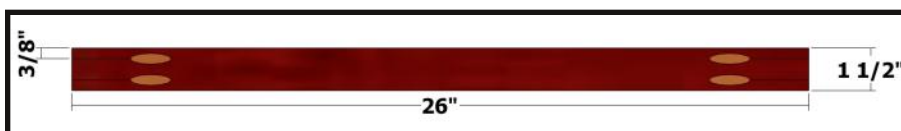


NOTE

Position the remaining **End Assembly** as shown and attach using glue and 2 1/2-inch pocket hole screws.

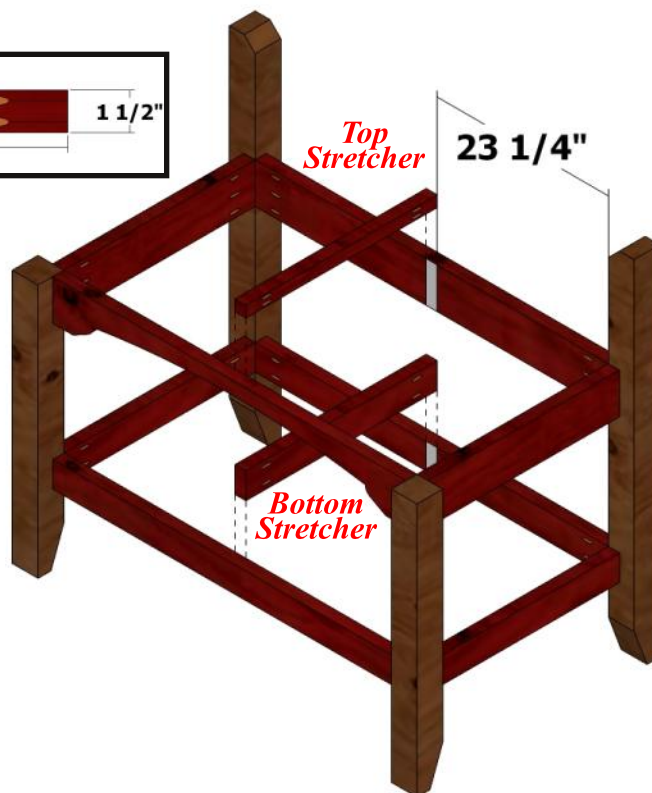


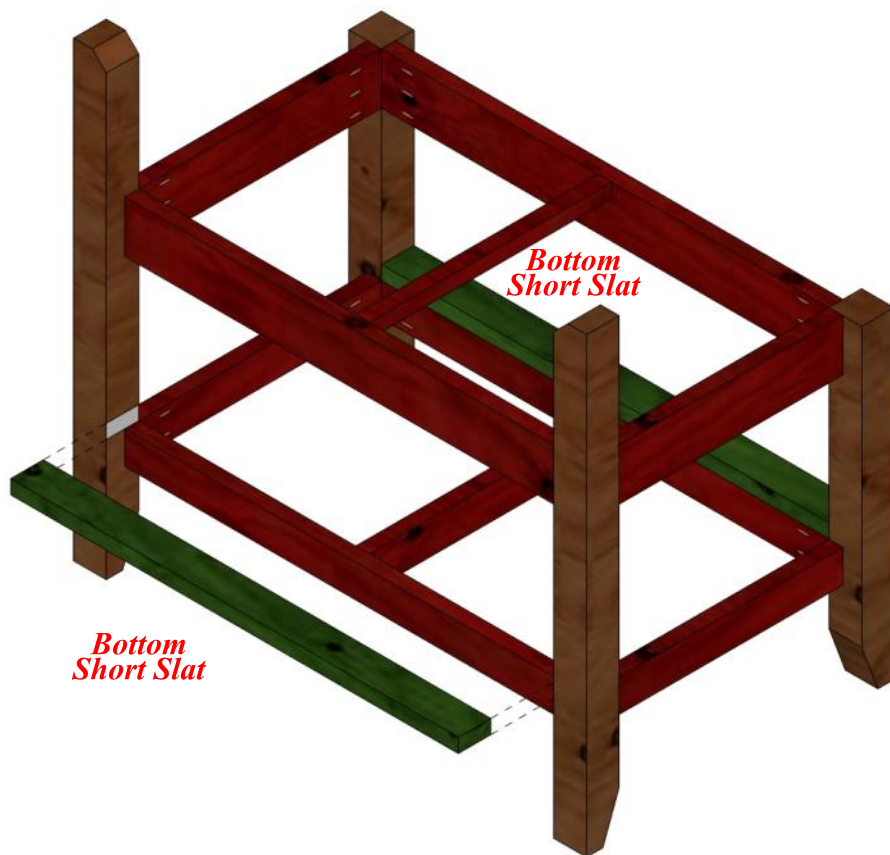
LAYOUT



NOTE

Use the layout above to create the **Top Stretcher**. Set your pocket hole jig and drill bit for 1 1/2-inch stock. Position the **Top Stretcher** and **Bottom Stretcher** as shown (centered) and attach using glue and 2 1/2-inch pocket hole screws.





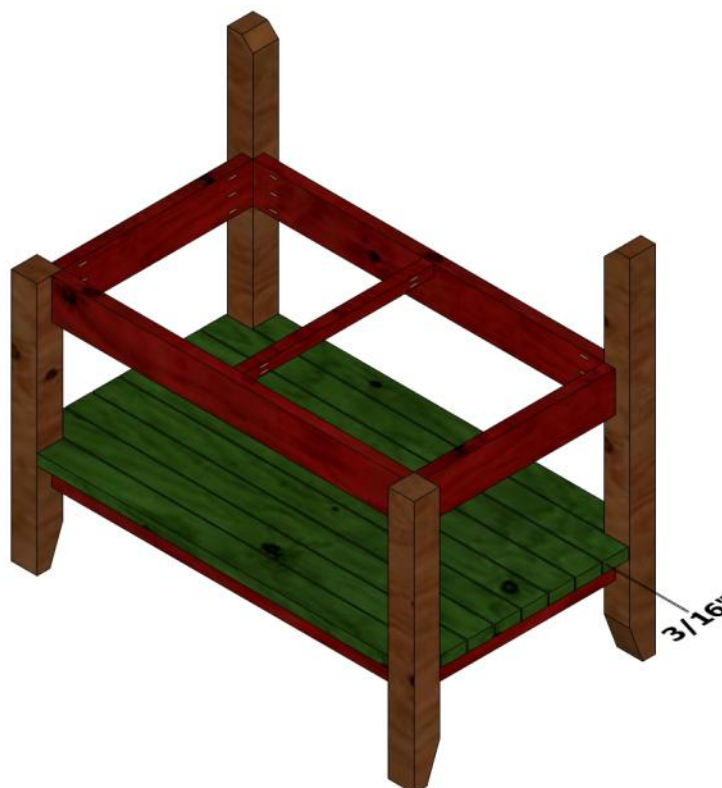
NOTE

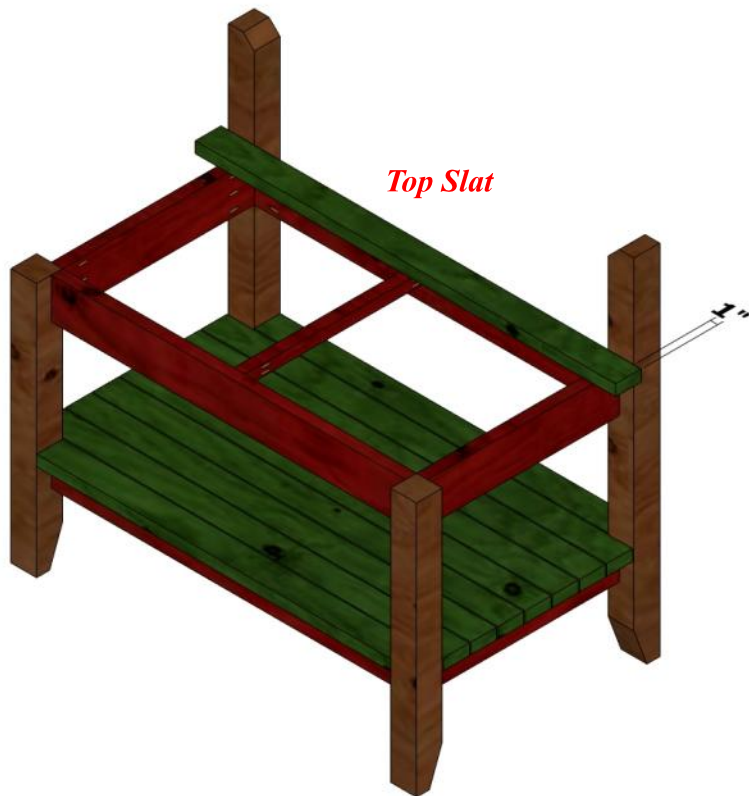
Position the **Bottom Short Slats** as shown (flush with the legs and on top of the **Bottom Back** and **Bottom Front Rails** and attach using 2 1/2-inch deck screws.



NOTE

Attach the **Bottom Slats** spaced equidistantly apart (about 3/16" apart) between the **Bottom Short Slats**, and flush with the outer edge of the **Legs**, and attach to the **Bottom Rails** and **Bottom Stretcher** using 2 1/2-inch deck screws.





 **NOTE**

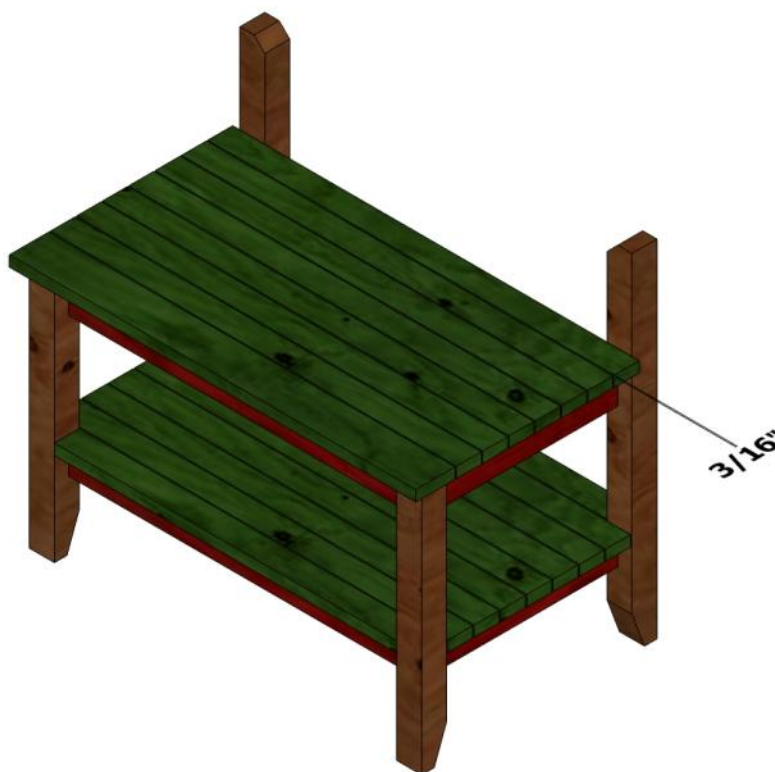
Position one **Top Slat** flush against and extending 1-inch past the outer edge of the **Back Legs** and attach to the **Top End Rails** and **Top Stretcher** using 2 1/2-inch deck screws.



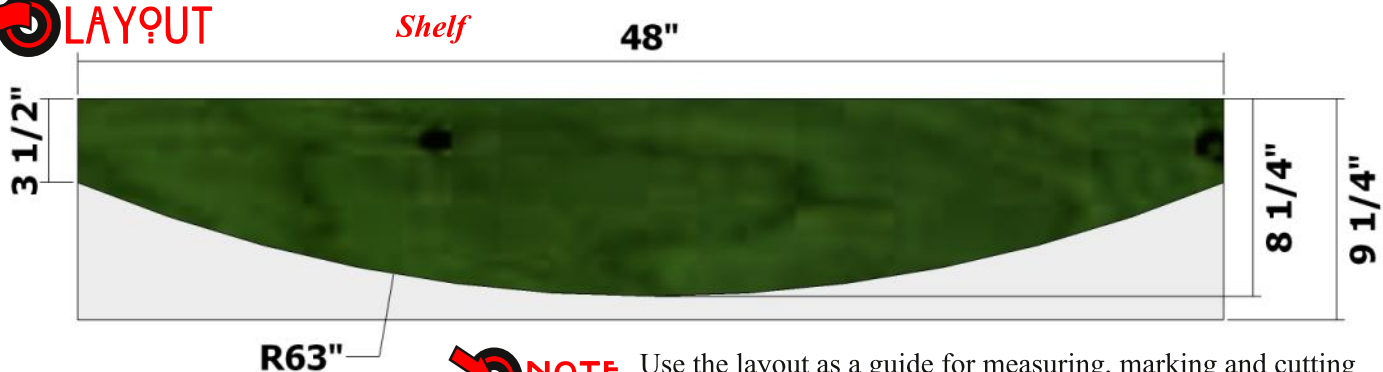
 **NOTE**

Attach the remaining **Top Slats** and the **Top Front Slat** spaced equidistantly apart (about 3/16" apart) and with the ends flush with each other, and attach using 2 1/2-inch deck screws.

Front Top Slat



LAYOUT



NOTE Use the layout as a guide for measuring, marking and cutting the **Shelf**.



NOTE

Position the **Shelf Rail** flush against the front edge of the **Back Legs** and 3 inches below the inside angle, and attach using 2 1/2-inch pocket hole screws.

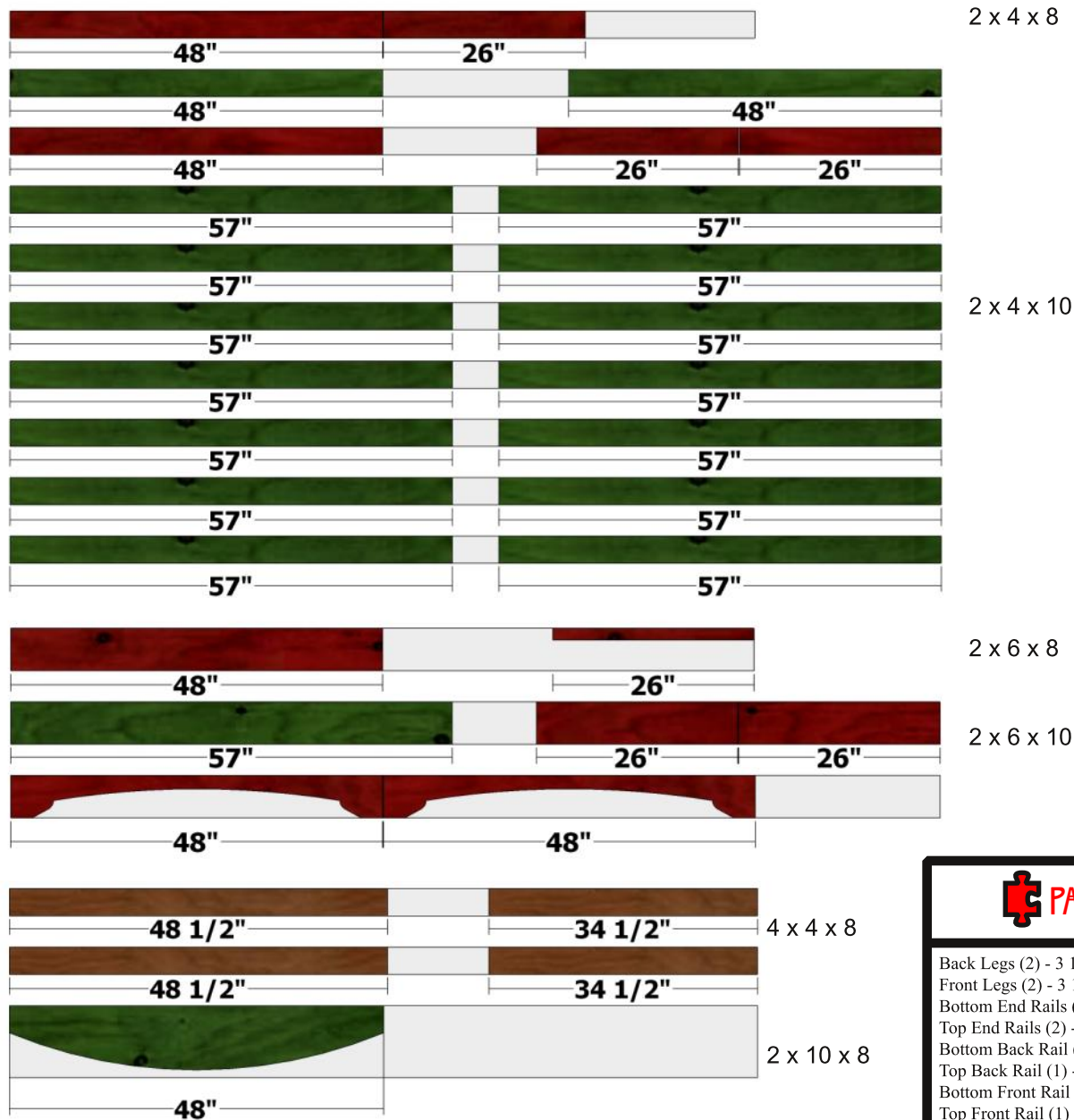


NOTE

Position the **Shelf** on top of the **Shelf Rail** and flush with the back edge of the **Back Legs**, and attach using 2 1/2-inch deck screws.



K CUTTING DIAGRAM



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!

PARTS

- Back Legs (2) - 3 1/2 x 3 1/2 x 48 1/2
- Front Legs (2) - 3 1/2 x 3 1/2 x 34 1/2
- Bottom End Rails (2) - 1 1/2 x 3 1/2 x 26
- Top End Rails (2) - 1 1/2 x 5 1/2 x 26
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