

CHIEF'S SHOP PLAN OF THE WEEK

SIMPLE WOODWORKING: CLAMP STAND



WHAT YOU'LL NEED



LUMBER

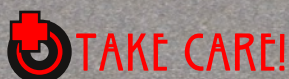
1 - 1 x 4 x 6
1 - 2 x 8 x 8
1 - 3/4 x 2 x 4
sheet of plywood
(availability will vary)

HARDWARE/SUPPLIES

3" wood screws
2 1/2" pocket hole screws
1 1/4" pocket hole screws
1 1/4" wood screws
2" swivel casters
utility handle/pulls
wood glue

TOOLS

table saw or circular saw
with Kreg Rip-Cut
miter saw
jig saw
drill/driver
Kreg Pocket Hole Jig
clamps
square
36" or longer
straight edge/ruler



TAKE CARE!

See the note on the last page about distributing weight on the Clamp Stand.



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 Parts Diagram page, which is the next to 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.



MORE PLANS

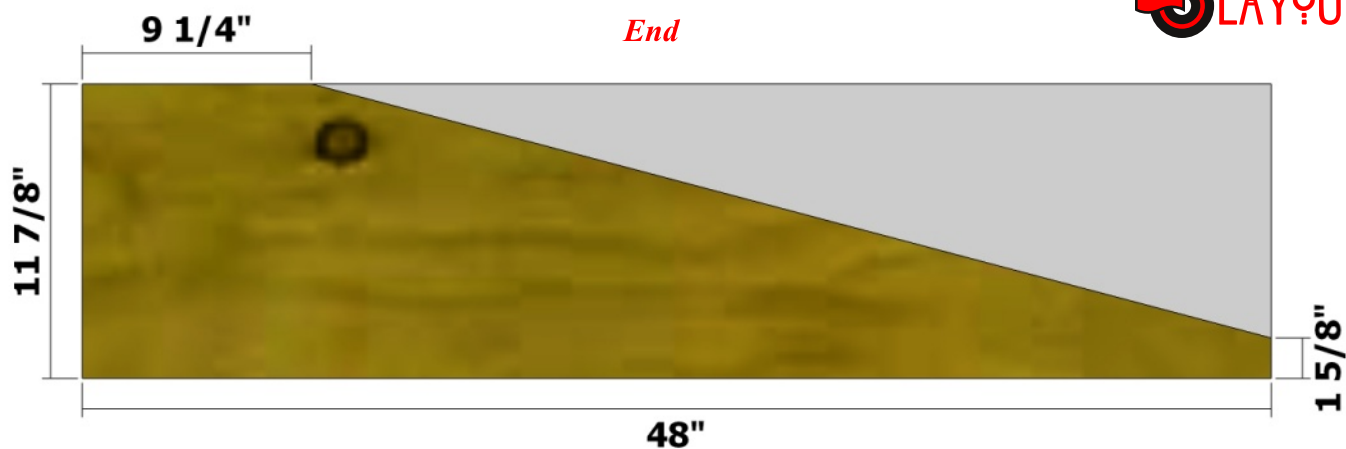
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PARTS

Ends (2) - 3/4 x 11 7/8 x 48
Bottom (1) - 1 1/2 x 7 1/4 x 31 3/4
Sides (2) - 1 1/2 x 7 1/4 x 31 3/4
Stretcher (1) - 3/4 x 3 1/2 x 31 3/4
Shelf (1) - 3/4 x 3 1/2 x 31 3/4

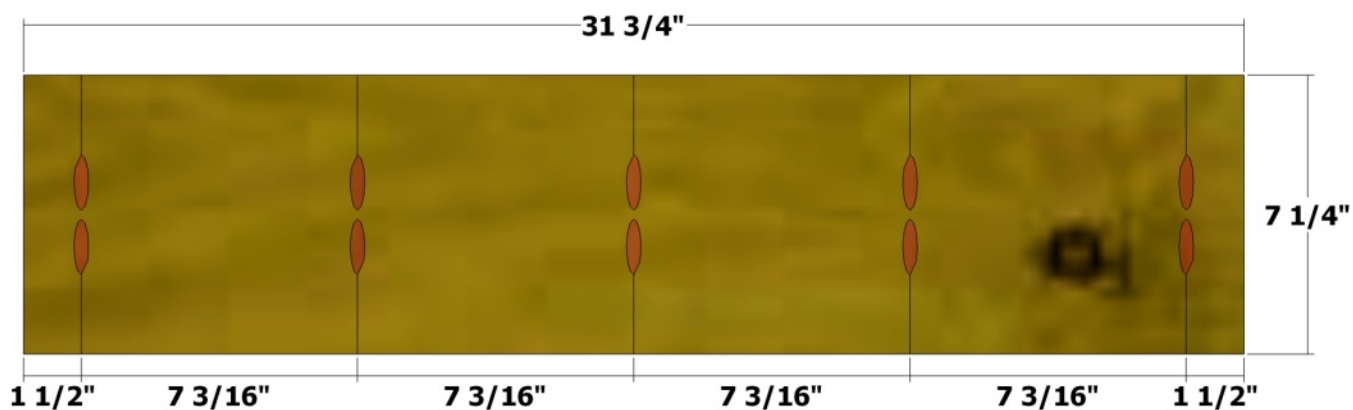
All parts are listed in actual dimensions. Refer to the Cutting Diagram on the last page of this plan as a guide for determining the specific board from which to cut the parts.



NOTE

Use the  as a guide for measuring, marking, and cutting the **Ends**.
Use a table saw or circular saw with a guide to rip the parts to width first.

Bottom

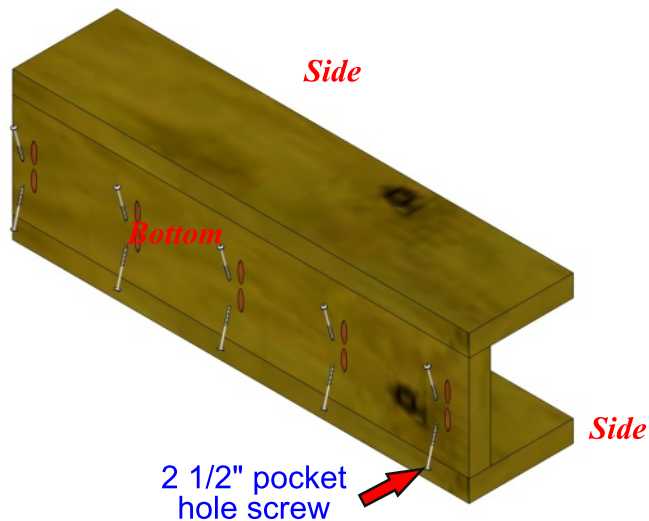


NOTE

Use the layouts as guides for drilling pocket holes in the **Bottom**, **Stretchers** and **Shelf**.
Be sure to set your pocket hole jig and drill bit for 1 1/2-inch stock for the **Bottom** and 3/4-inch stock for the **Stretchers** and **Shelf**.

Stretchers/Shelf

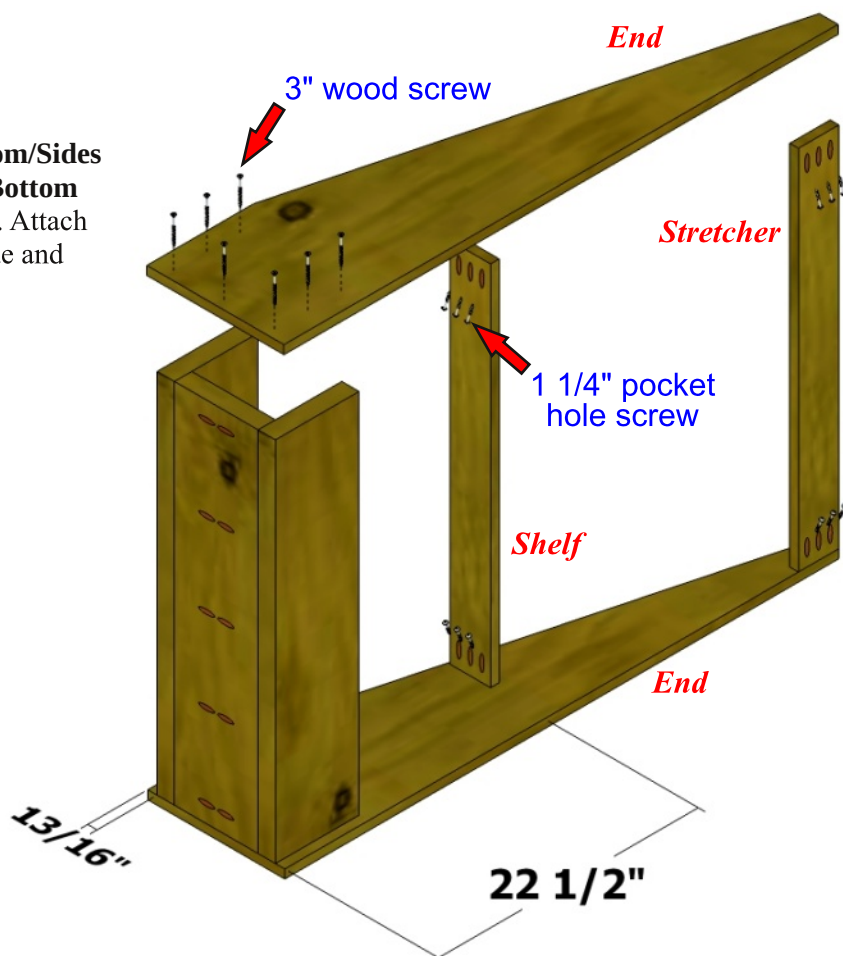




Position the **Bottom** and **Sides** as shown at left, and attach using glue and 2 1/2-inch pocket hole screws.



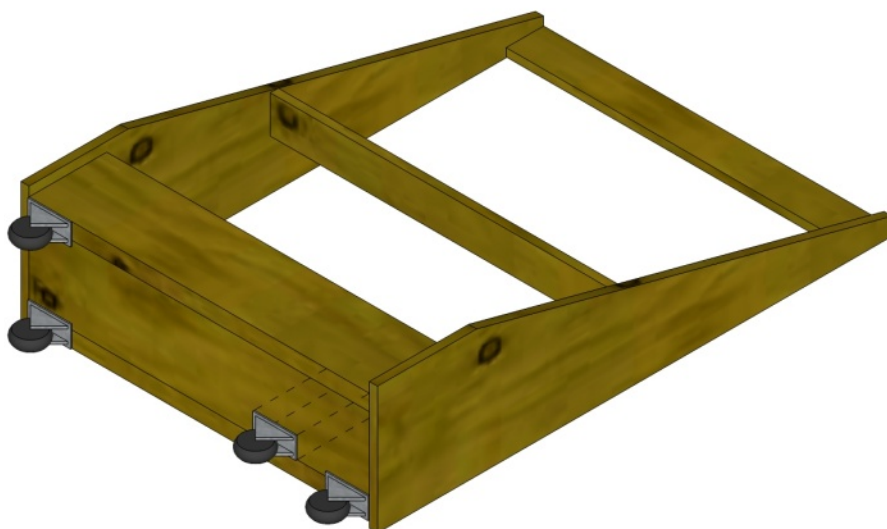
Position the **Ends**, **Stretcher**, **Shelf** and **Bottom/Sides Assembly** as shown. Attach the **Sides** to the **Bottom** and **Sides** using glue and 3-inch wood screws. Attach the **Stretcher** and **Shelf** to the **Sides** using glue and 1 1/4-inch pocket hole screws.



NOTE

Attach the casters to the underside of the **Base/Side Assembly**. Use 3-inch screws where the casters meet the **Sides** and 1 1/4-inch screws where the casters meet the **Bottom**.

Note: The casters illustrated here do not necessarily represent a swivel-type caster (the recommended caster). Locking swivel-type casters can also be used.



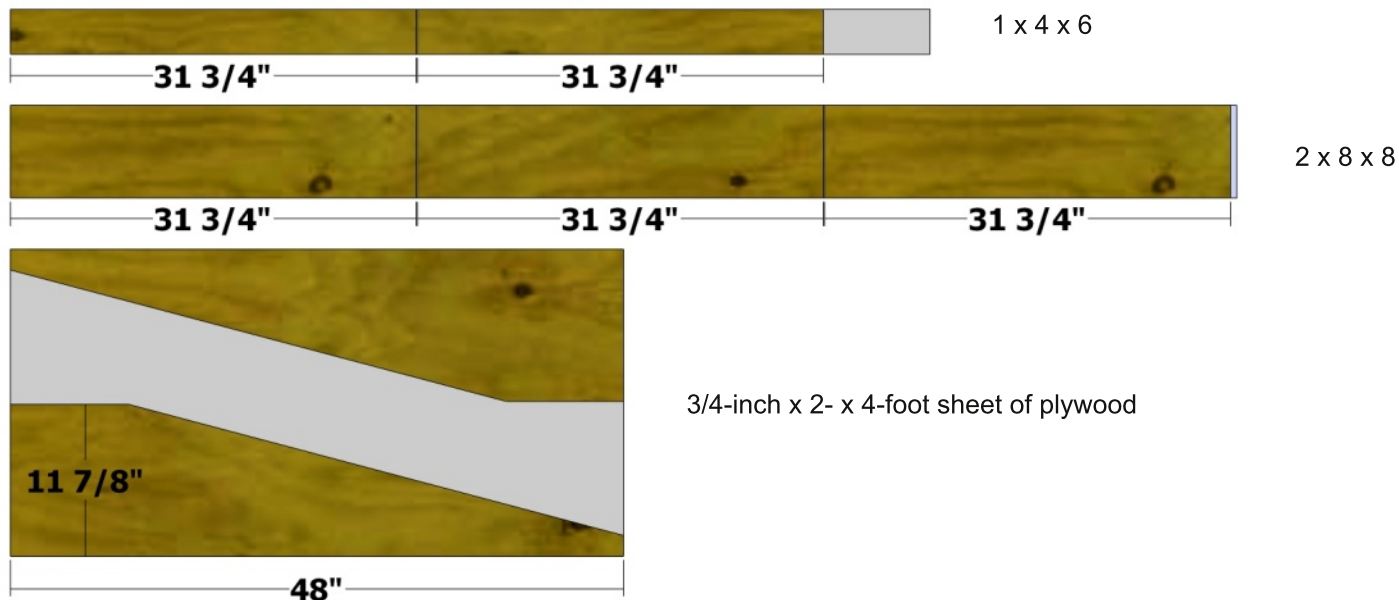
NOTE

Attach a handle/pull positioned as shown at right. Repeat on the other side of the assembly.





CUTTING DIAGRAM



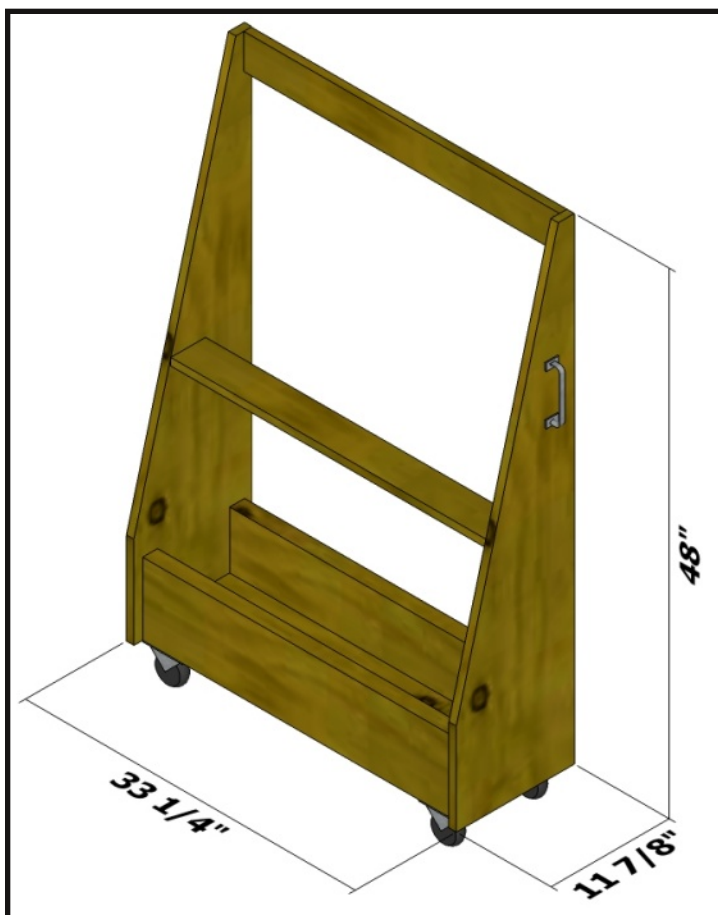
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All parts are listed in actual dimensions. Refer to the Cutting Diagram on the last page of this plan as a guide for determining the specific board from which to cut the parts.

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!



TAKE CARE!

DO NOT OVERLOAD THE TOP OF THE CLAMP STAND! Be sure to balance the weight as equally as possible from top to bottom. As you can see below, this stand has many clamps placed in the bottom cavity in addition to the ones resting on the Shelf.

