



**Want to reach a captive woodworking
and crafting audience?**

Then be a sponsor of

CHIEF'S SHOP

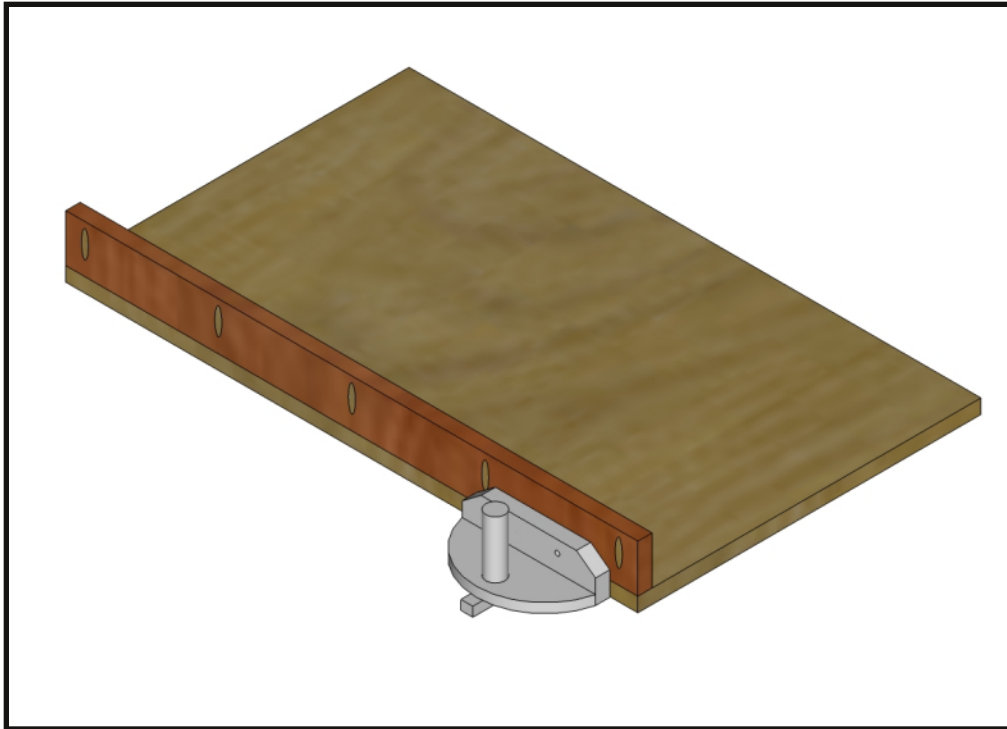
Plan of the Week

Contact Chris Hill for more details
chief@chiefs-shop.com
205-432-8013

CHIEF'S SHOP PLAN OF THE WEEK



SIMPLE WOODWORKING: CROSSCUT SLED



WHAT YOU'LL NEED



LUMBER

1 - 1 x 3 x 4
1 - 3/4" x 2' x 4'
sheet of plywood

(availability will vary)

HARDWARE/SUPPLIES

1 1/4" pocket hole screws

TOOLS

miter saw
table saw
drill/driver
Kreg Pocket Hole Jig
clamps
square

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 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

Base (1) - 3/4 x 18 x 30

Fence (1) - 3/4 x 2 1/2 x 30

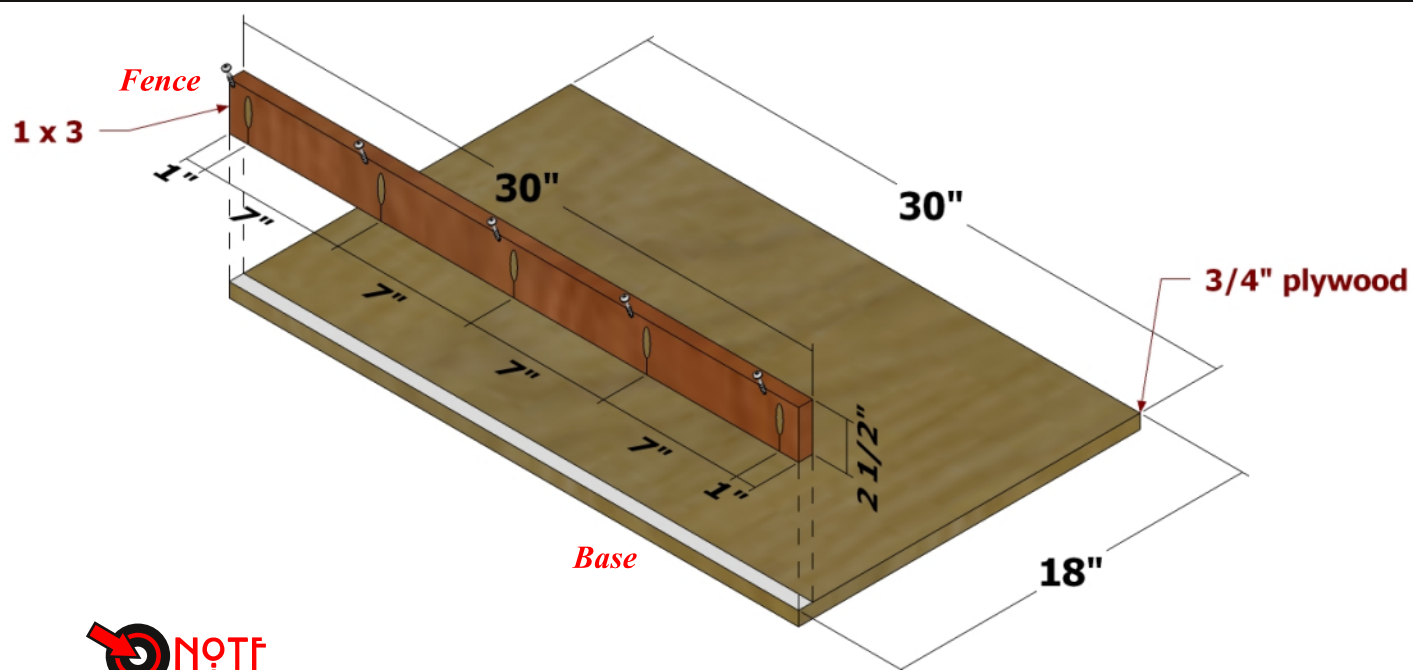
All parts are listed in actual dimensions. Refer to the Cutting Diagram on the last page of this plan as a guide for determining the specific board from which to cut the parts.



MORE PLANS

Want more Chief's Shop plans? Visit chiefs-shop.com and look through the Plans section.

Be sure to "Like" Chief's Shop on facebook by heading over to facebook.com/ChiefsShop.



NOTE

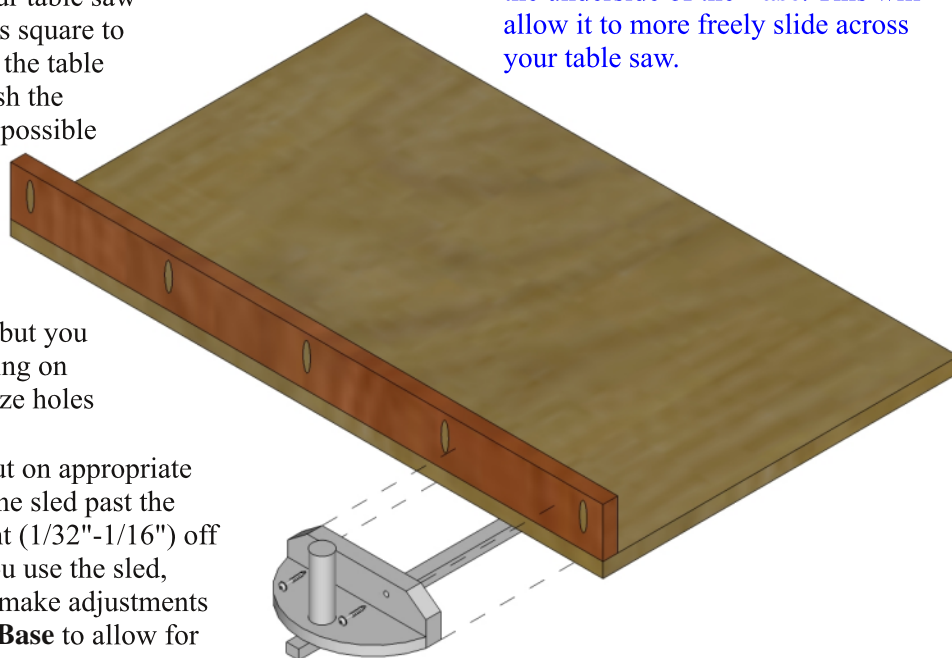
Using a table saw, cut the **Base** from the 2' x 4' sheet of plywood to 18" x 30". Cut the **Fence** to 30" and drill pocket holes spaced as shown above. Position the **Fence** as shown above (flush with the ends and edge of the Base), and attach using 1 1/4" pocket hole screws only.

NOTE

With your miter gauge in place on your table saw (and set to 0 - make sure your gauge is square to your blade), position the assembly on the table saw flush against the miter gauge. Push the assembly as hard against the blade as possible (position it so that it is not pressing against a splitter or riving knife you have installed). Clamp the Fence to the miter gauge, and attach the miter gauge to the fence using screws. The 1 1/4" pocket hole screws may work, but you may need to use other screws depending on the thickness of your gauge and the size holes it has.

Back the sled away from the blade, put on appropriate safety gear, turn on the saw, and run the sled past the blade. You should trim a slight amount (1/32"-1/16") off the end of the assembly. Each time you use the sled, double check the fit to the blade, and make adjustments as needed. You can drill a hole in the **Base** to allow for hanging the sled when not in use.

Tip: Apply a coat of polyurethane to the sled, AND a coat of paste wax to the underside of the **Base**. This will allow it to more freely slide across your table saw.



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!