

BEN'S COUNTRY WOODSHOP

Shaker End Table With Drawer

This table is made with standard size lumber including 2x2s for legs.

You will use your regular Kreg jig for the table top and table base. The setting for both the jig and the drill bit should be 3/4".

You will use your Kreg Micro jig for the drawer guide and the drawer. The setting for both the micro jig and the micro drill bit should be 1/2".

MATERIALS NEEDED:

The wood you need is:

- (4) 1x6 by 4';
- (1) 1x3 by 1';
- (4) 1x2 by 4'; and
- 1/2" plywood - 2' by 2'.

The other materials you need are:

wood glue;

- (32) Kreg 1 1/4" 8 Coarse Washer Head Pocket Hole Screws;
- (18) Kreg 3/4" Micro Jig Pocket Hole Screws;
- (20) 3/4" wood tacks; and
- (2) 1" wood screws.



Making the Table Top

Cut from a 1x6 the center board for your table top. This piece will be 24" long and 5 1/2" wide.

There are no pocket holes in the center board of the table top.



Cut 2 top side pieces from 1x6s. Each will be 24" long and 5 1/2" wide.

Drill 5 pocket holes on the inside edge, where each side board will be attached to the center board. Drill the 2 outside pocket holes 2 1/2" from the edge, so that they will not show under the table top when attached to the table base.



The next step is to drive the pocket hole screws to join the table top pieces. Lay the center board on a flat surface, and clamp in place. Align a side board against the long edge, and drive the pocket hole screws. Repeat for the other side.

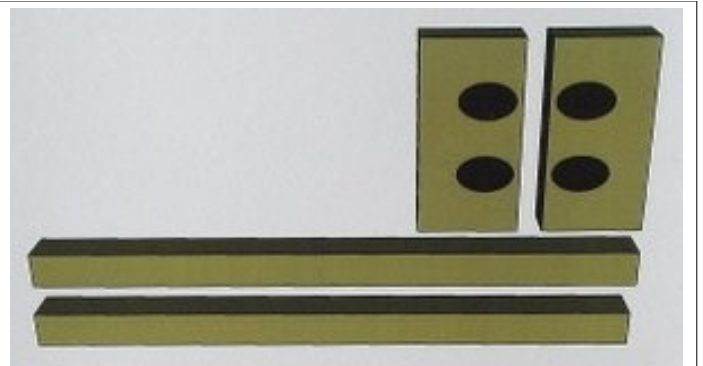
You may want to plane or sand the table top smooth.



Making the Front Drawer Frame

From a 1x3 cut 2 pieces that are 4" high and 2" wide. Drill 2 pocket holes where these pieces will be attached to the front 2 table legs.

Normally, the position of the pocket holes does not have to be accurate. But these should be positioned 1 1/4" from the top and 1 1/4" from the bottom, so as not to conflict with the pocket holes in the drawer support.



From a 1x2 cut 2 pieces that are 12 1/2" long and 3/4" wide.

Glue these 4 pieces together as shown using clamps to hold them tight.

Let the glue dry while you make the next sections of your table.



Making the Table Base

From 1x2s cut 4 legs that are 21" long.

There are no pocket holes in the legs.



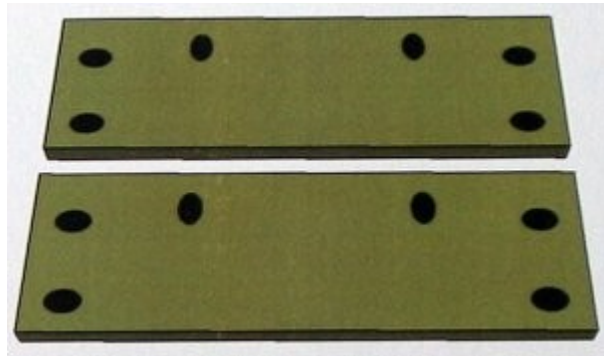
If you are going to round the leg edges now is the time to do that. If you don't have a router, just use your sander to lightly take off the sharp edges of the legs.



Cut 2 side aprons from a 1x6. Each will be 17 1/2" long and 5 1/2" wide.

Drill 2 pocket holes on each end where the aprons will be attached to the table legs.

Drill 2 pocket holes on the top where the aprons will be attached to the table top.



Cut 1 back apron from a 1x6. This piece will be 12 1/2" long by 5 1/2" wide.

Drill 2 pocket holes on each end where the apron will be attached to the table legs.

Drill 2 pocket holes on the top where the apron will be attached to the table top.



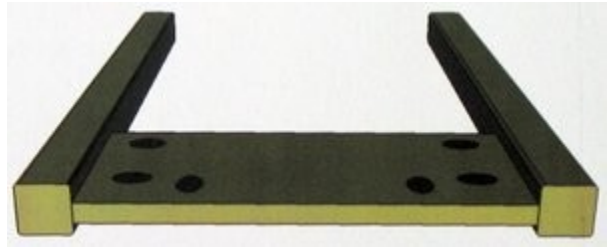
The next step is to create a couple of very simple spacing jig, which will save you time AND make the apron offsets more accurate.

Find a piece of scrap wood that is 3/8" thick. It can be up to 7" wide, and should be 15" or so long. You will put this under each apron as you are attaching it

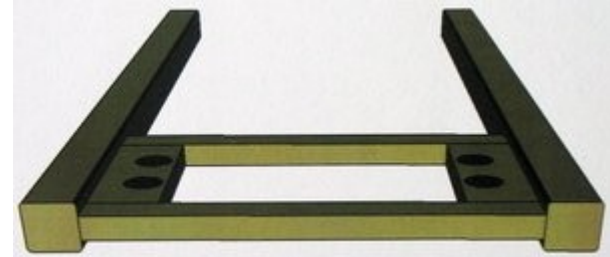


Lay one of your legs on a flat surface, and clamp in place. Lay your spacing jig next to it, and then your back apron on top of the spacing jig. Align the apron with the top of the leg, and drive your 1 1/4" pocket screws.

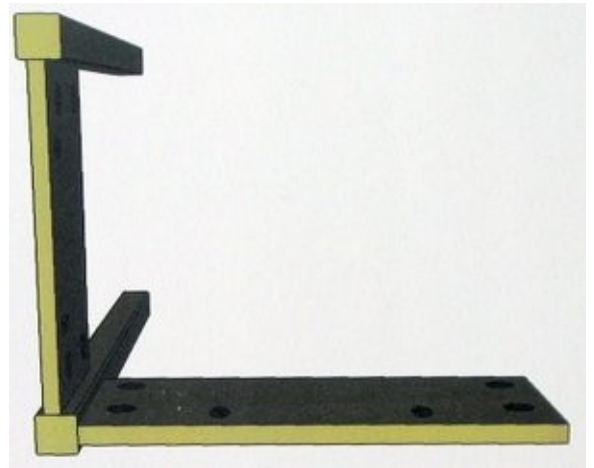
Repeat for the leg on the other side.



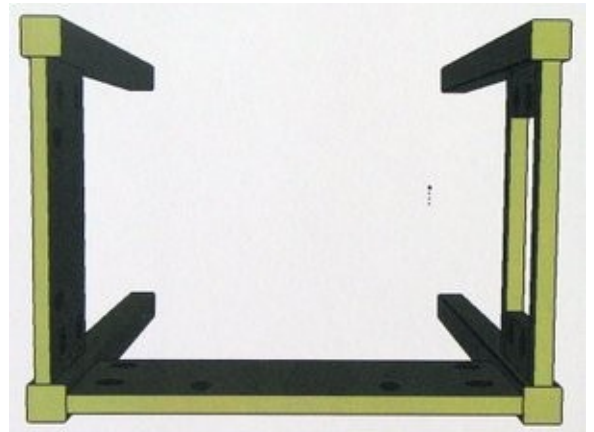
Repeat that process for the front frame you had glued together earlier.



Attaching the side aprons is next. Lay your spacing jig on a flat surface with one of your long aprons on top of it. Align the back of your table base to the apron; clamp in place; and drive the 1 1/4" pocket hole screws from the apron to the leg.



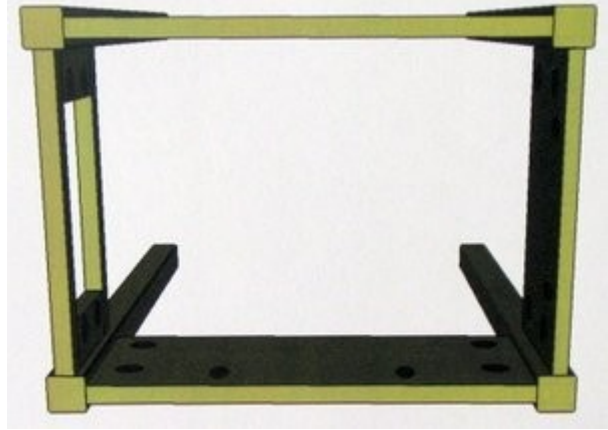
Repeat to attach the apron to the front of your table base.



Lay the other long apron on the flat surface with the spacing jig underneath it. Flip your table base over, and align the apron with the top of the leg. Clamp in place and drive the 1 1/4" pocket hole screws.

Repeat to attach the apron to the other side of your table base.

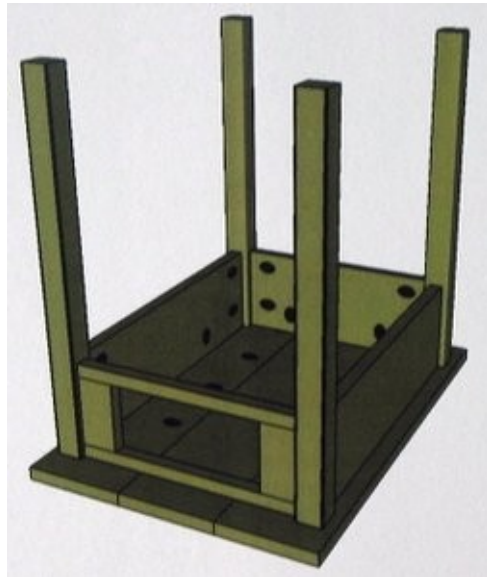
Your table base is now complete.



Lay your table top on a flat surface. Using a pencil, mark where the corners of your table base will sit on the table top.

For this plan, each corner will be 1 3/4" from the end, and 1/2" from the side.

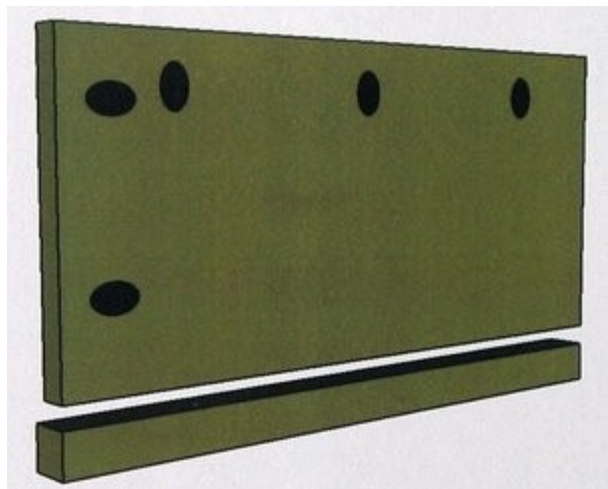
Align your table base with the marks, and clamp into place. Then drive the 1 1/4" pocket screws on back and the 2 sides.



Making the Drawer Guide and Drawer

From 1/2" plywood cut 2 drawer supports. Each will be 12" long and 5 1/2" wide.

From a 1x2 cut 2 drawer runners. Each will be 12" long and 3/4" wide.



You will use your Kreg Micro jig to drill the pocket holes for both the drawer guide and the drawer. You will also use the 3/4" pocket hole screws made especially for the Kreg micro jig.

You will need both a right and left drawer guide, so make one a mirror image of the other.

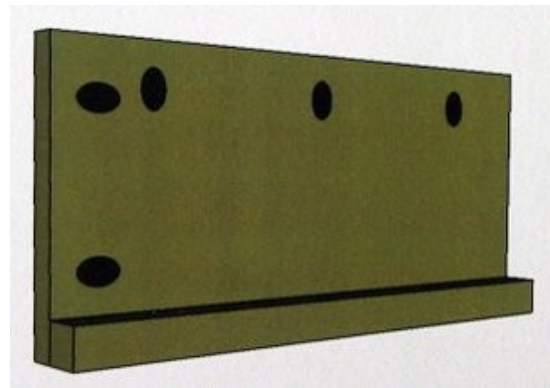
Drill 2 pocket holes on the front edge. Normally, the position of the pocket holes does not have to be accurate. But these should be positioned 1" from the top and 1" from the bottom, so as not to conflict with the pocket holes in the table base.

Also, drill 3 pocket holes at the top where the drawer guide will be joined to the table top.



Using 3/4" nails attach the drawer runner to the drawer support.

You should now have 2 drawer guides that are mirror images.



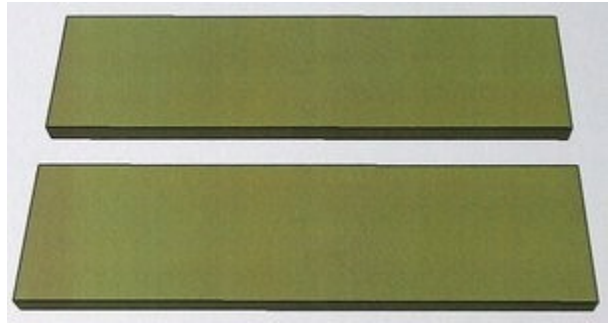
Align one drawer guide with the front of your table base, making sure the drawer runner is toward the center of the table. Clamp it into place, and drive the pocket hole screws both into the front and the top of your table.

Repeat for the drawer guide on the opposite side.



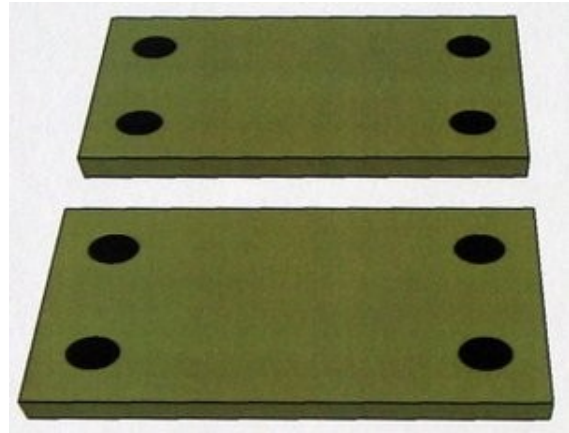
From 1/2" plywood, cut 2 drawer sides. Each will be 12" long and 3 1/4" wide.

There are no pocket holes in the drawer sides.



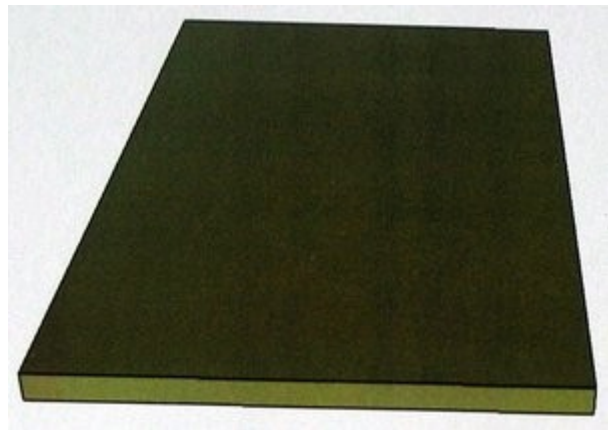
From 1/2" plywood, cut the drawer box front and back. Each will be 7 1/4" long and 3 1/4" wide.

Drill 2 pocket holes on each end where the front and back will be joined to the drawer box sides.



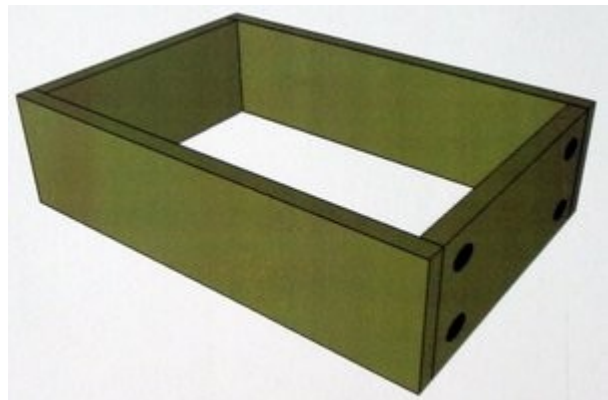
From 1/2" plywood, cut the drawer bottom. It will be 12" long and 8 1/4" wide.

There are no pocket holes in the drawer bottom.

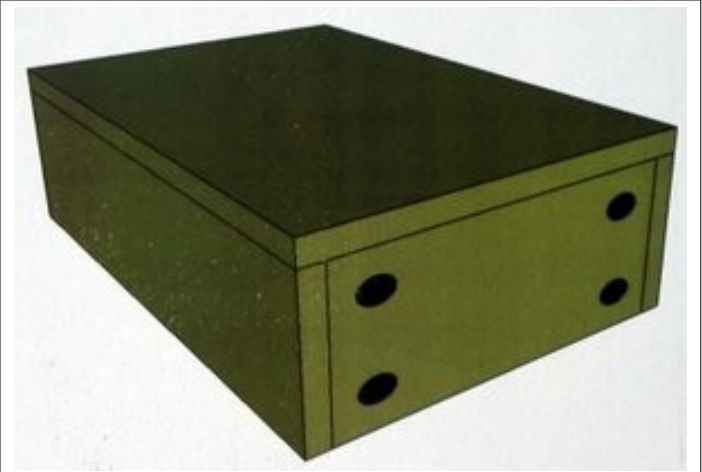


Lay one drawer side on a flat surface. Align the front to the side; clamp in place; and drive the 3/4" pocket hole screws.

Repeat for each side until your box looks like the diagram.



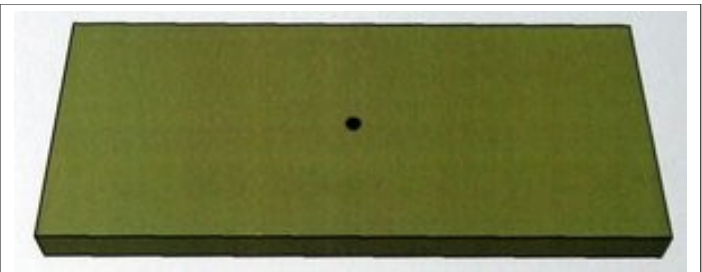
Using 3/4" nails attach the bottom of the drawer box.



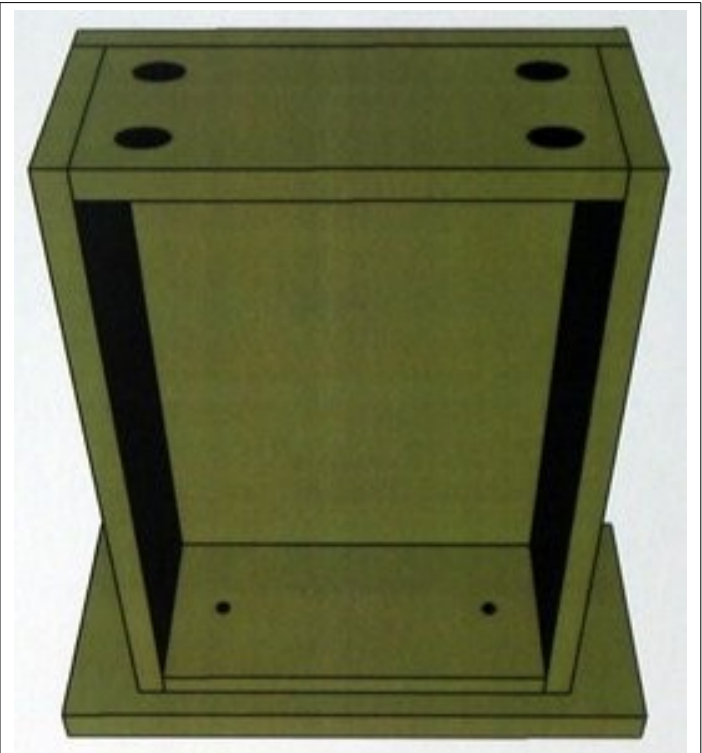
From a 1x6 cut the drawer front. This will be 11" long and 4 3/4" wide.

If you are going to use a center drawer knob, mark that, and drill a hole.

If you are going to use another drawer pull, mark and drill for that.



To attach the drawer front, use 1" wood screws, starting from the drawer box and going into the drawer front.



Slide the drawer into the space on the front.



Congratulations!
Your table is now complete.



For ideas about finishing your table, visit
www.start-with-free-woodworking-plans.com
and click on the “Finishing Plans” category.

You can print the pdf for these tables at
<http://www.start-with-free-woodworking-plans.com/sofa-table-plans-shelf.html>