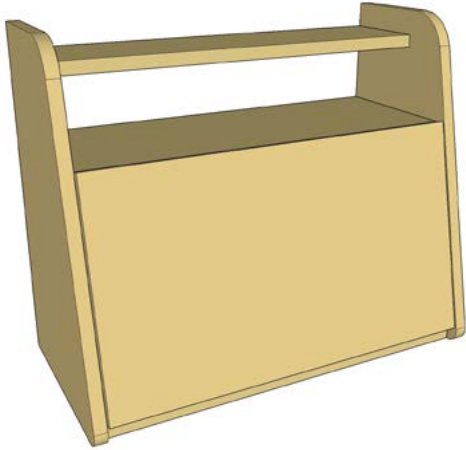




PROJECT PLANS

DROP-FRONT DESK



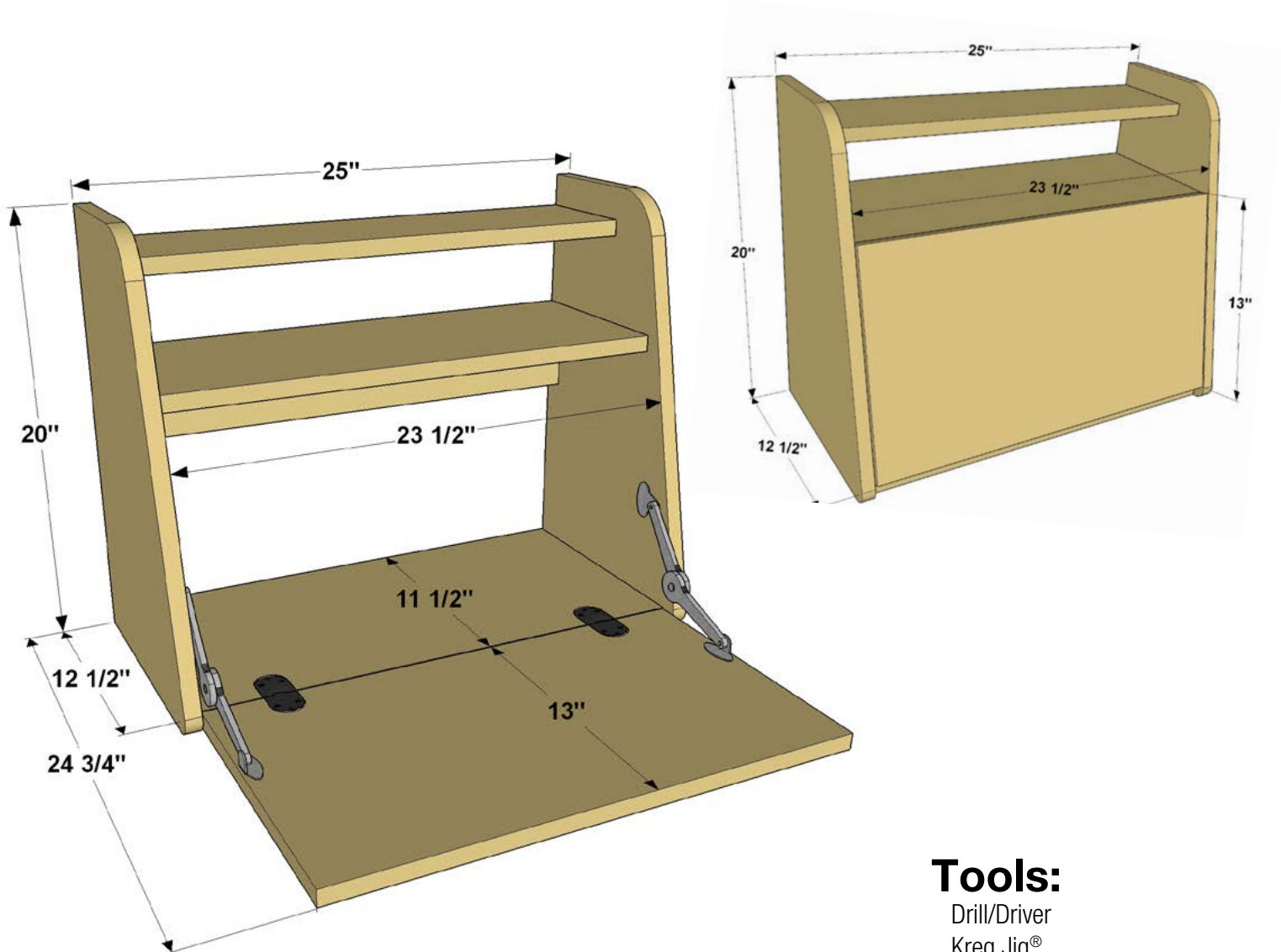
Create a workspace almost anywhere with this drop-front desk. Mounted to a wall, it doesn't take up any floor space, which means you can hang it wherever you need to work. Plus, this desk can easily be installed at a height that's convenient to work standing or sitting, whichever you prefer.

This desk is made entirely from a half-sheet of plywood that gets dressed up with iron-on veneer edge banding. The desktop opens on a pair of hinges, and gets supported while in use by a pair of unique, adjustable supports. The supports hold the desktop in position, and they prevent it from falling open too quickly.



Safety:

Attention: Almost any do-it-yourself project involves risk of some sort. Your tools, materials, and skills will vary, as will the conditions at your project site. Kreg® Tool Company ("Kreg") has made every effort to be complete and accurate in the instructions and other content contained in this document. However, Kreg® will not assume any responsibility or liability for damages or losses sustained or incurred in the course of your project or in the use of the item you create. Always follow the manufacturer's operating instructions in the use of tools, check and follow your local building codes, and observe all commonly accepted safety precautions. We strive to be accurate, but reserve the right to correct any errors.



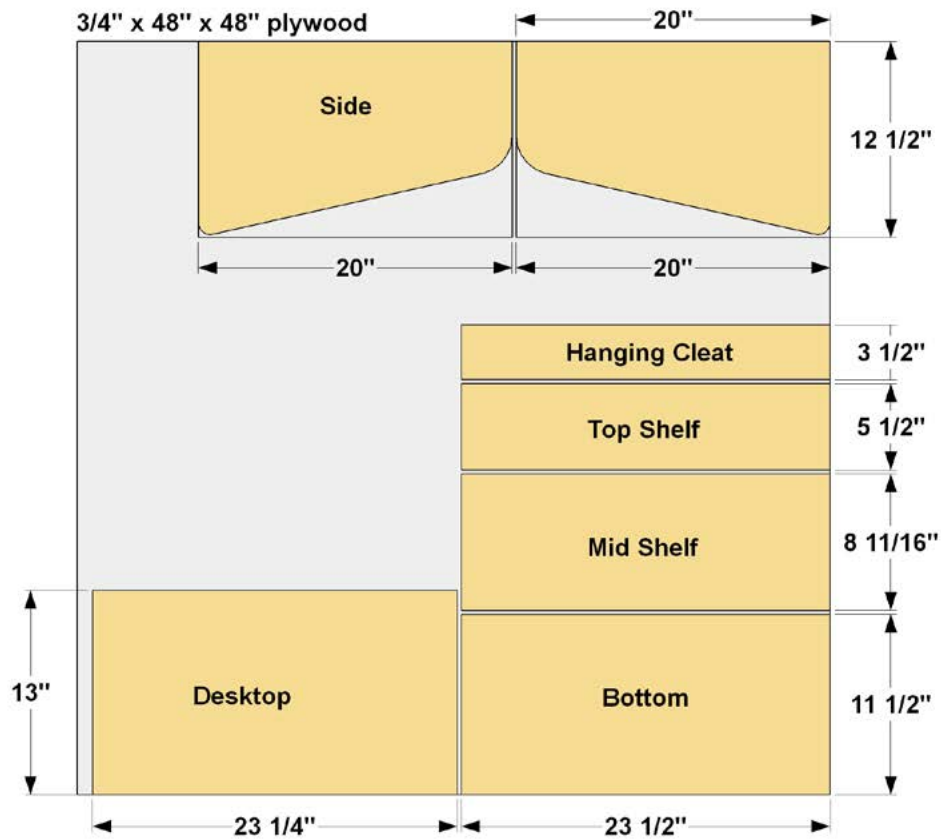
Materials:

| Qty | Description |
|------|--|
| (1) | 3/4 x 48 x 48" oak plywood |
| (24) | 1 1/4" coarse-thread pocket hole screws |
| (1) | 3/4" x 25' roll of iron-on oak edge banding |
| (2) | adjustable lid supports (Rockler item# 39419) |
| (1) | pair sewing machine hinges (Rockler item# 29157) |
| (1) | 18" Hangman picture hanging system |

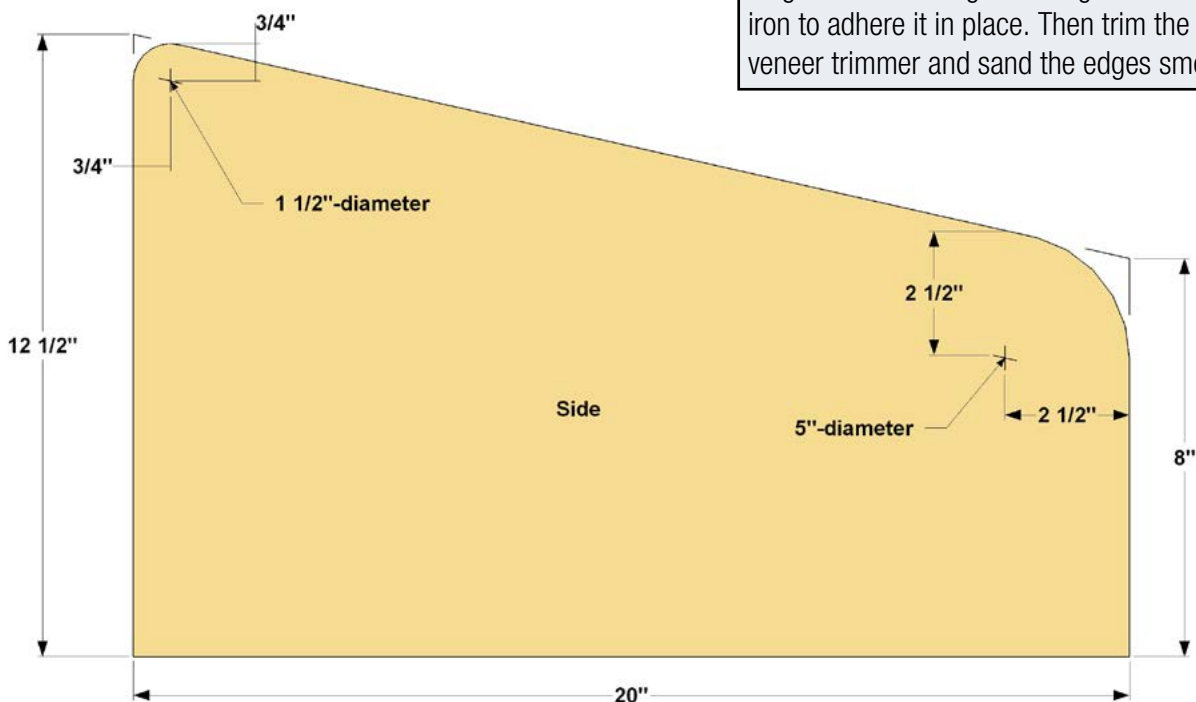
Tools:

Drill/Driver
Kreg Jig®
Miter Saw
Jigsaw
Circular Saw
Adjustable Square
Tape Measure
Veneer Trimmer
Sandpaper and Sander

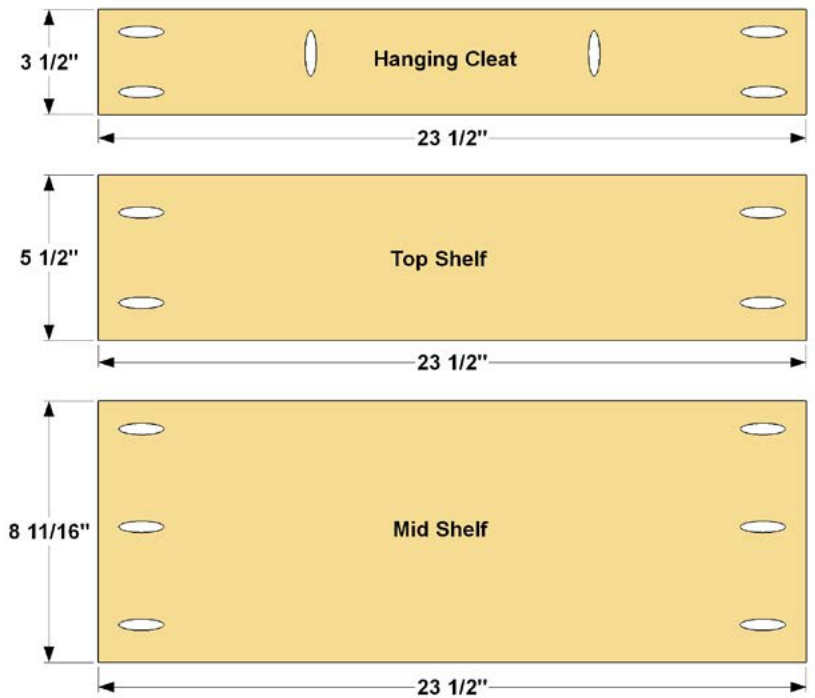
Cutting Diagram:



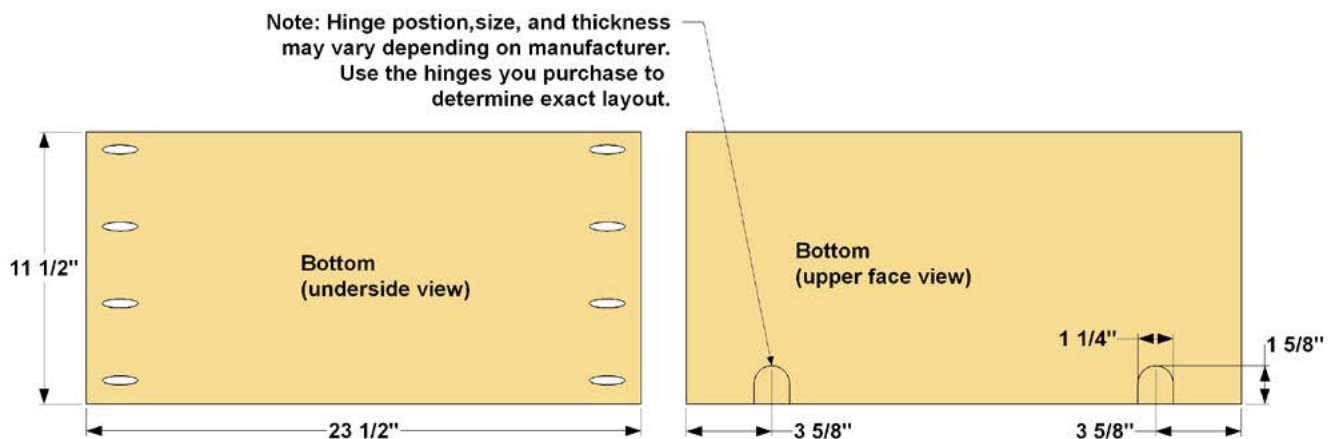
Step 1: Cut two Sides to size from 3/4" plywood, as shown in the cutting diagram. Cut the Sides to shape with a jigsaw and sand the edges and the curves sooth. Make sure that both sides are as identical in shape as possible. Next, cut an oversized length of veneer edge banding for each Side, apply it using an iron to adhere it in place. Then trim the edging flush using a veneer trimmer and sand the edges smooth.

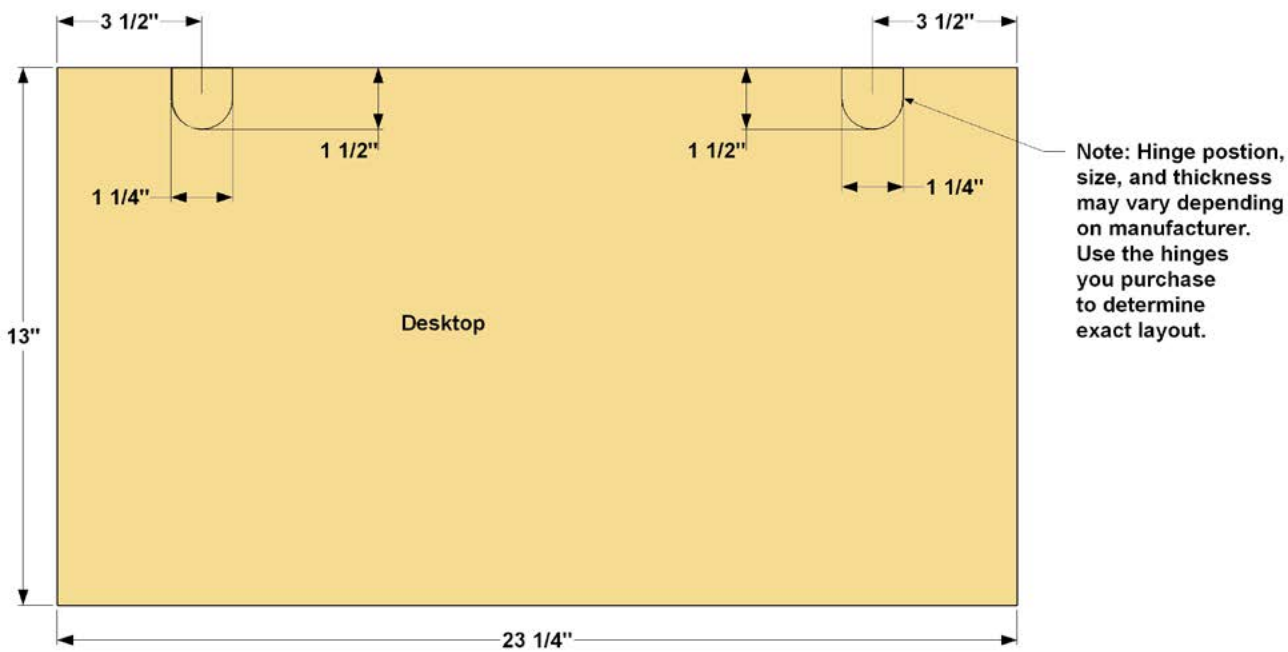


Step 2: Cut the Top Shelf, Mid Shelf, and the Hanging Cleat to size from 3/4" plywood, as shown in the cutting diagram. Set your pocket-hole jig for 3/4"-thick material, and then drill pocket holes at the locations shown. Cut an oversized length of veneer edge banding for the front edge of Top Shelf and Mid Shelf, apply it, and then trim the edging flush and sand it smooth.



Step 3: Cut the Bottom to size from 3/4" plywood, as shown in the cutting diagram. Drill pocket holes at the locations shown. Cut an oversized length of veneer edge banding for the front edges. Apply the edging, and then set the Bottom aside for now. You'll lay out the hinge locations later.

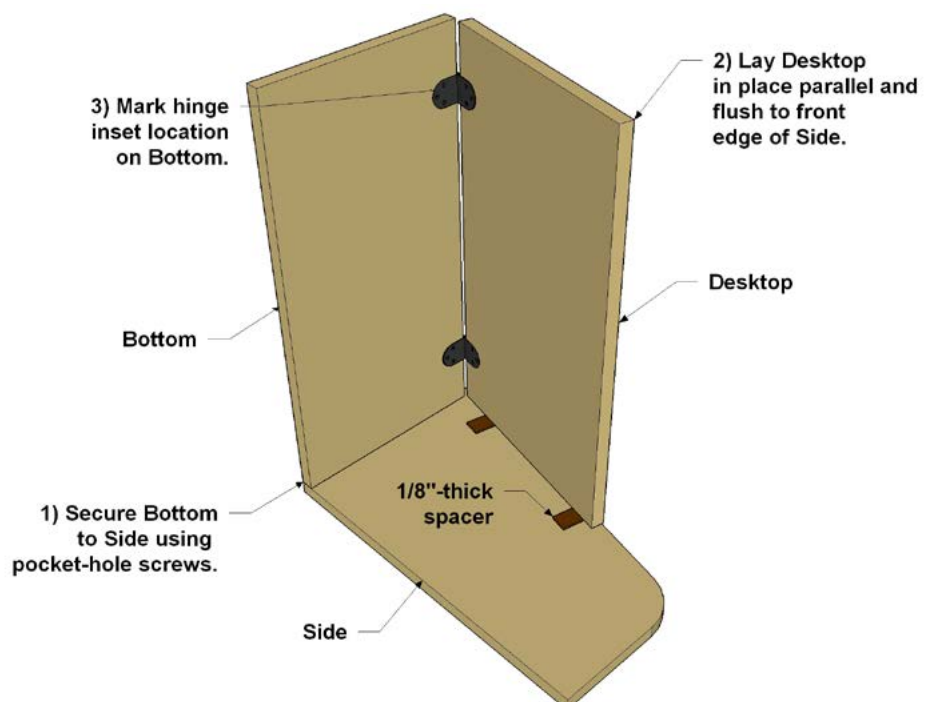




Step 4: Cut the Desktop to size from 3/4" plywood, as shown in the cutting diagram. Apply edging to all four edges, starting with the two short edges first. Trim and sand the edges and ends, and then add the veneer to the long edges.

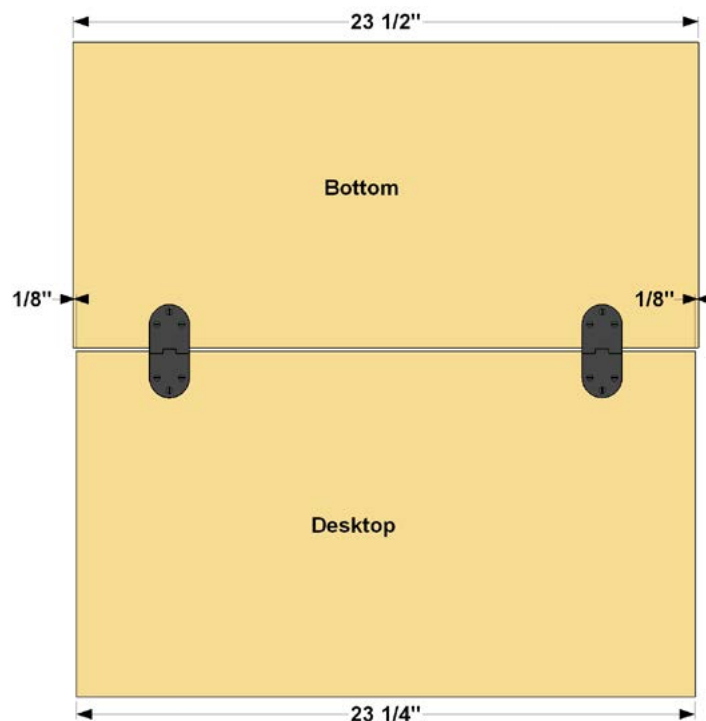
Step 5: Using a pencil and an adjustable square, lay out the hinge location on the Desktop. The hinge knuckle should just hang over the edge. Drill a hole that matches the radius and thickness of the hinge (in our case we used a 1 1/4" Forstner bit and drilled about 1/16" deep). Next, mark two tangent lines on the outside of each hole with a square and a utility knife. With a utility knife, carefully trim the excess material to the same depth as the hole. Check the fit of the hinges and then, with each hinge in place, drill the hinge screw holes using a #6 self-centering drill bit. Install the screws to temporarily secure the hinges to the Desktop.

Step 6: The hinge location on the Bottom is critical so that when the Desktop is closed it rests parallel to and flush with the front edge of the Side. To accomplish this first temporarily attach the Bottom to one Side using 1 1/4" pocket-hole screws. Next, lay the Desktop, with the hinges installed, in place so it is parallel and flush with the front angled edge of the Side. Rest the Desktop on 1/8"-thick shims. Clamp the Desktop in position or have someone help hold it. Then carefully trace around the hinge leaves to mark the hinge location on the desk Bottom.



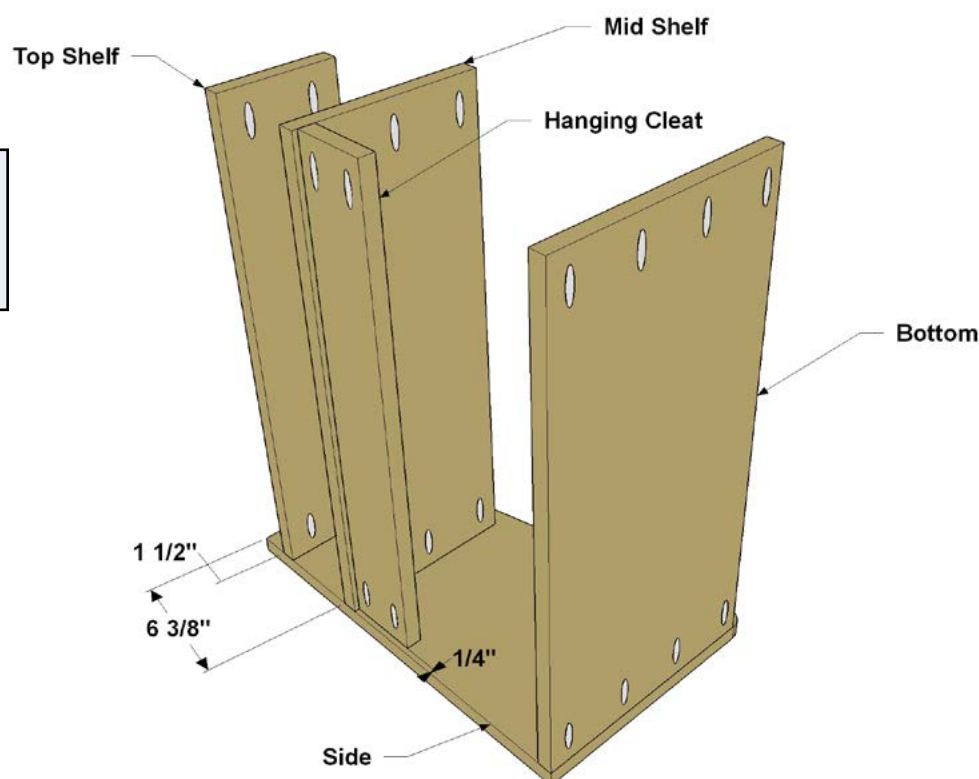
Step 7: Once you have the hinge location marked on the Bottom, detach it from the Side. Lay the Desktop and the Bottom on a flat work surface so the hinge locations face one another, and center them to one another so there is an equal gap on each side of the Desktop.

Flip the loose hinge leaf onto the Bottom and double check your layout lines. Then drill and trim the hinge recess, just as you did in the Desktop. Drill the mounting holes, and then install hinges the hinges. Now you can remove the hinges from the Bottom and the Desktop. You'll reinstall them later when the desk is complete.

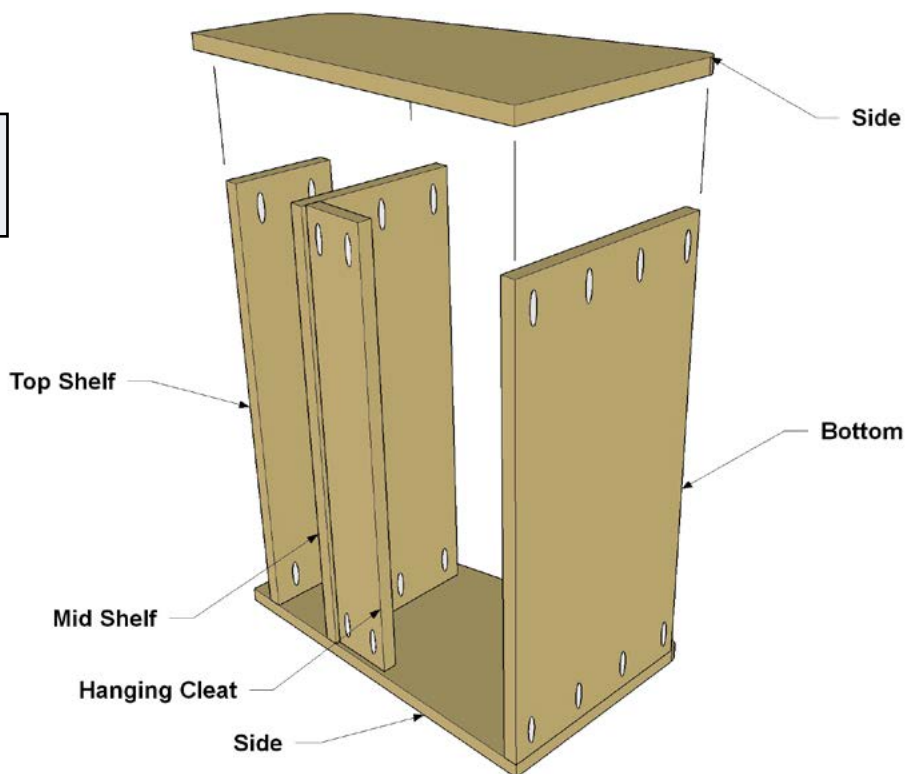


Step 8: Sometimes it's easier to finish individual parts than an assembled project. Before you start final assembly, sand all of the parts, and then apply the stain or finish of your choice. We used a black stain that creates a dramatic color while still allowing the grain to show. When it dried, we added a couple of coats of water-based polyurethane.

Step 9: Once the finish is dry, attach the Bottom, Mid Shelf, Top Shelf, and the Cleat to one Side as shown using 1 1/4\" coarse-thread pocket-hole screws.



Step 10: Flip the assembly over onto the second Side and attach this side, as well using 1 1/4" coarse-thread pocket-hole screws.



Step 10: Now your desk is almost complete. The next step is to install the lid supports. These are important to hold the desktop in position, and to prevent it from falling open too quickly. The supports we used cost a bit more than some versions, but they accomplish both tasks extremely well. Follow the manufacturer's instructions to install and adjust the supports.

Then you can install the hardware to hang your desk. We used an 18" "Hangman" hanger. Just follow the manufacturer's instructions for mounting the hanger to the Cleat and to the wall.

Attach hanger to the Cleat according to manufacturer's instructions, then mount other half of hanger to the wall.

