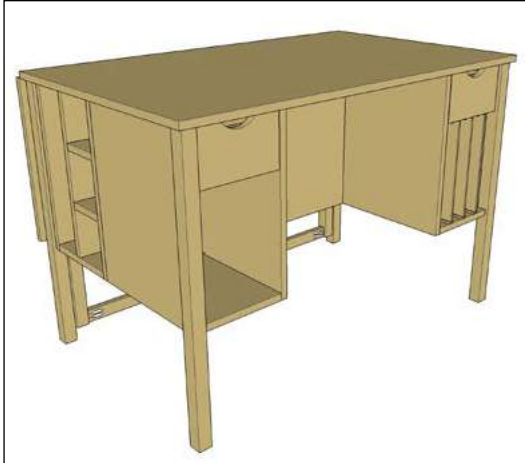




PROJECT PLANS

EXPANDABLE CRAFT CENTER



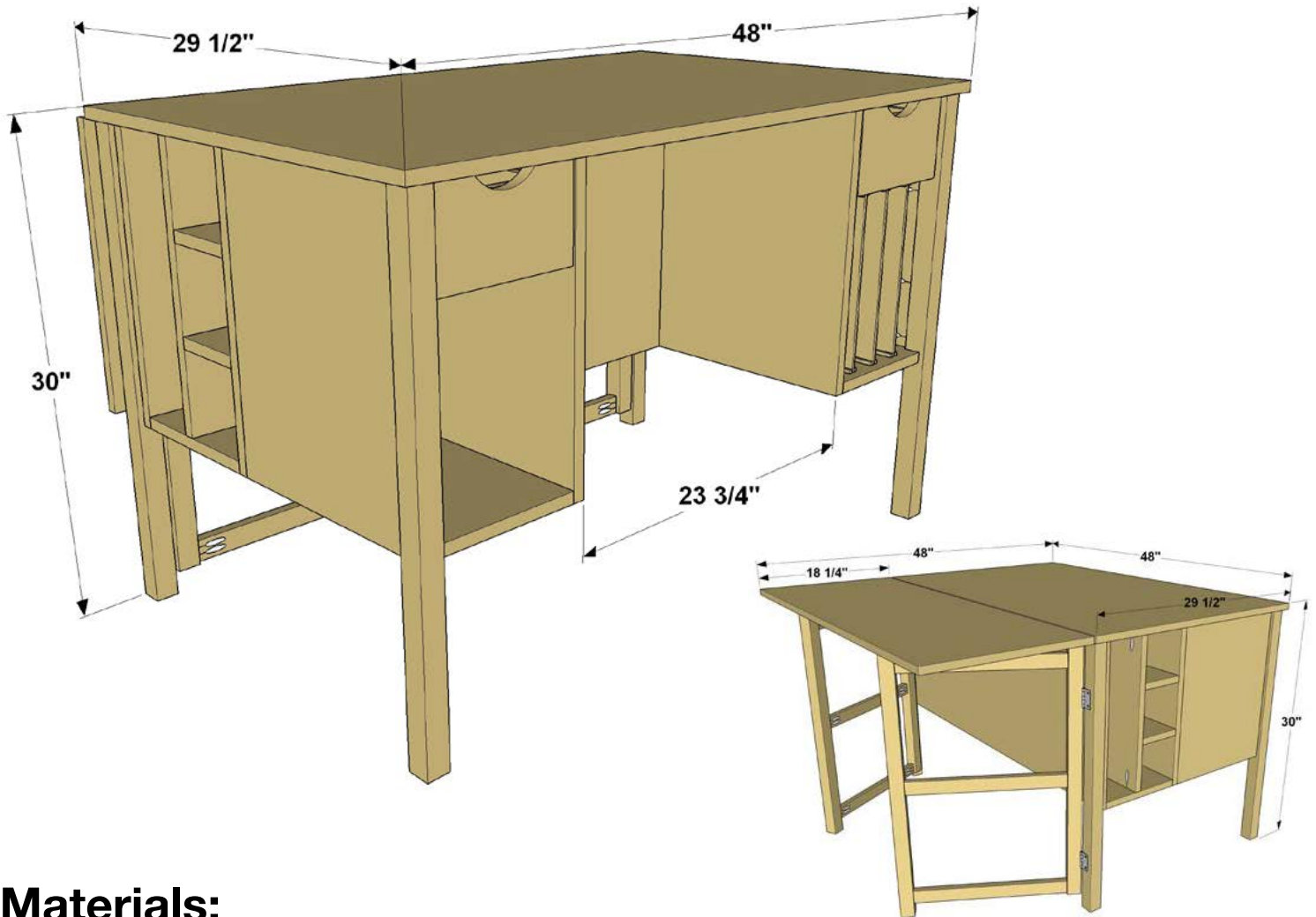
Whether you're working on craft projects, sewing, or pursuing another hobby, this craft center offers a great place to work. It features a large work surface that offers space to spread out—and the top can be expanded when you need even more room. Just swing up the back section and hold it in place on a pair of hinged supports. Plus, the center has storage spaces built in for all kinds of supplies, including large rolls of fabric or paper.

The project has quite a few parts, but they're all easy to make. By following a sequence, you can make and assemble the craft center in sections. Build one for yourself, and you'll be set to get your craft on!



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.



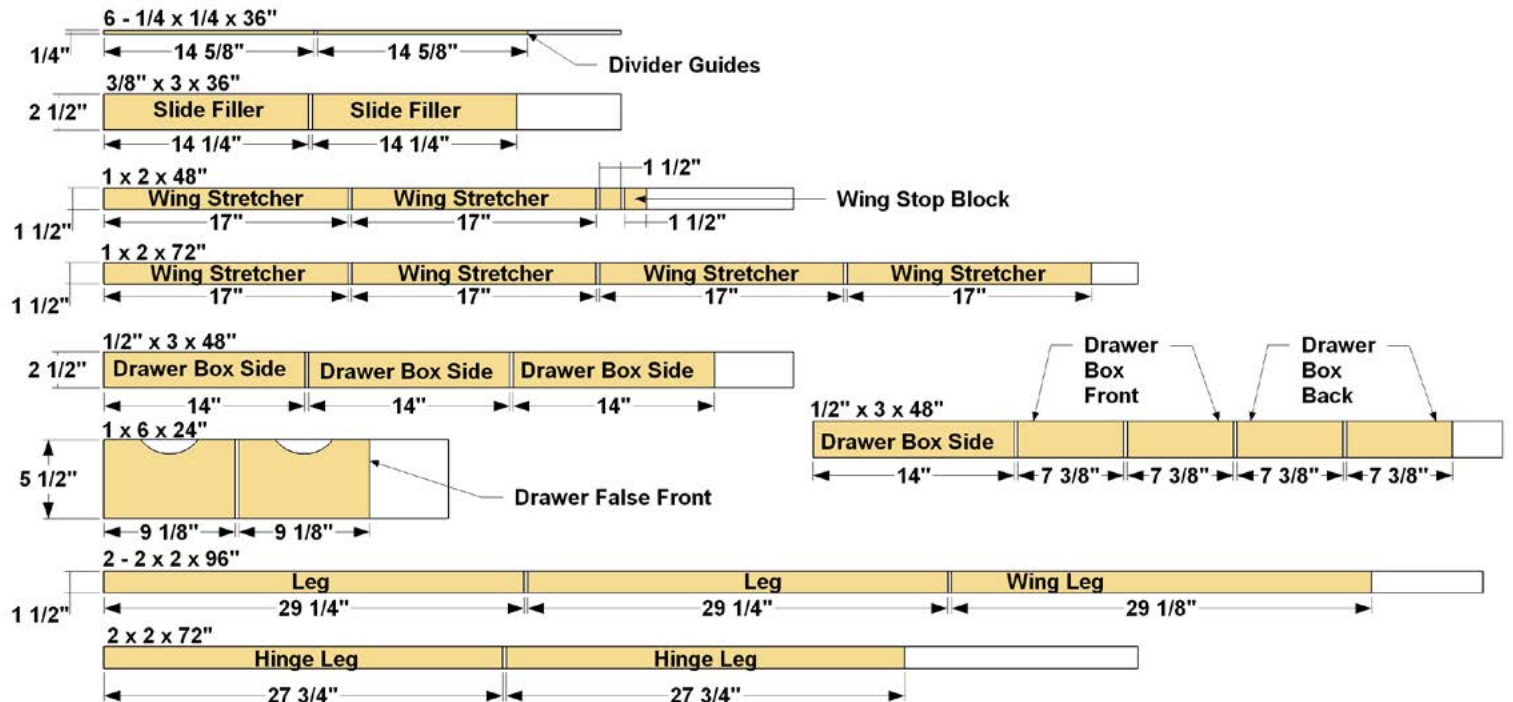
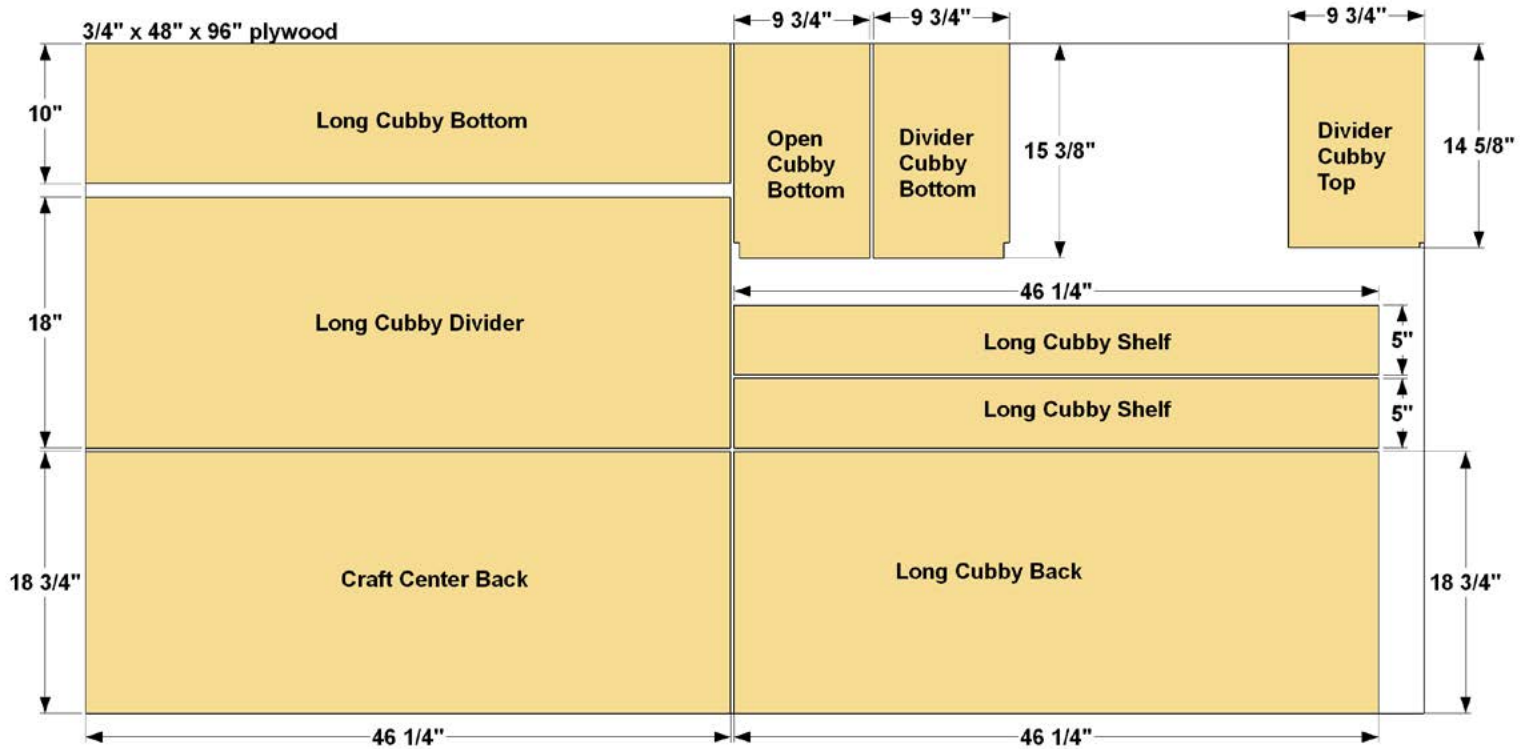
Materials:

Qty	Description	Qty	Description
(1)	3/4 x 48 x 48" MDF	(140)	1 1/4" coarse-thread pocket hole screws
(1)	3/4 x 48 x 96" plywood	(72)	3/4" brad nails
(1)	3/4 x 48 x 48" plywood	(28)	1 1/4" brad nails
(1)	1/4 x 24 x 48" plywood	(20)	1 1/2" brad nails
(6)	1/4 x 1/4 x 36" square dowel	(4)	#8 x 1 1/4" flathead wood screws
(1)	3/8 x 3 x 36" craft board	(2)	pairs 14" ball-bearing side-mount drawer glides
(1)	1x2 x 48" pine board	(2)	pair 3" door hinges
(1)	1x2 x 72" pine board	(2)	1 1/2" x 12" Continuous Hinge
(2)	1/2" x 3 x 48" pine board		wood glue
(1)	1x6 x 24" pine board		clamps
(2)	2x2 x 96" pine board		wood finish or paint
(1)	2x2 x 72" pine board		

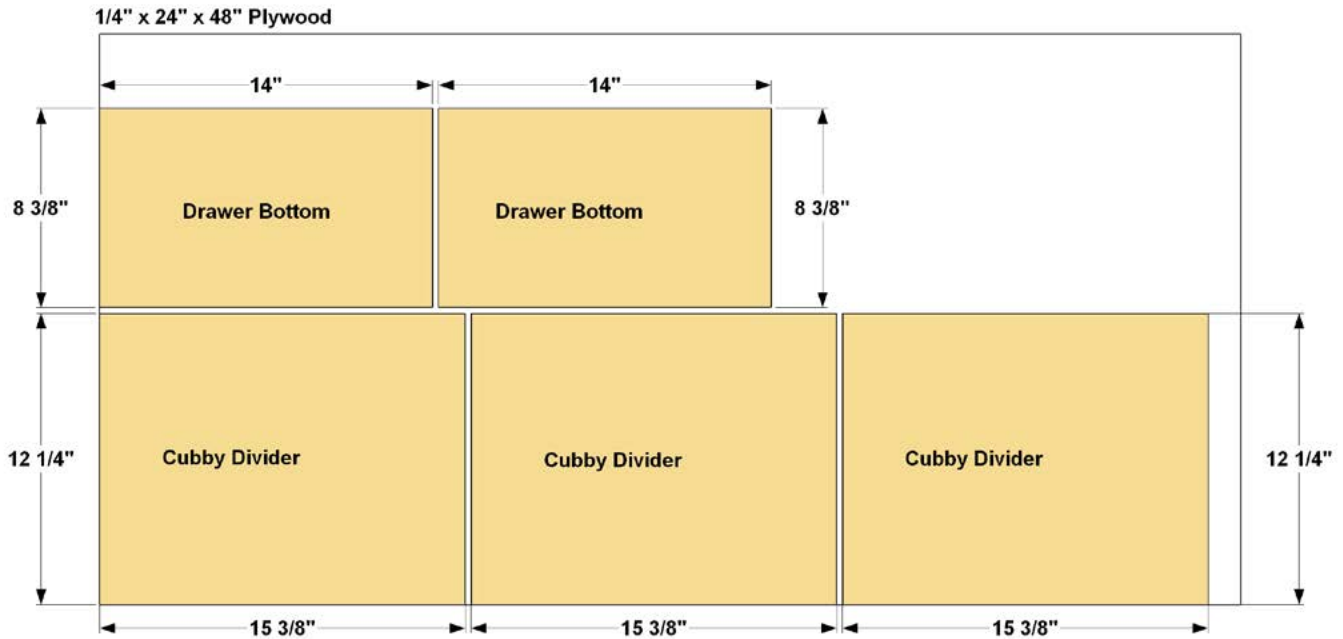
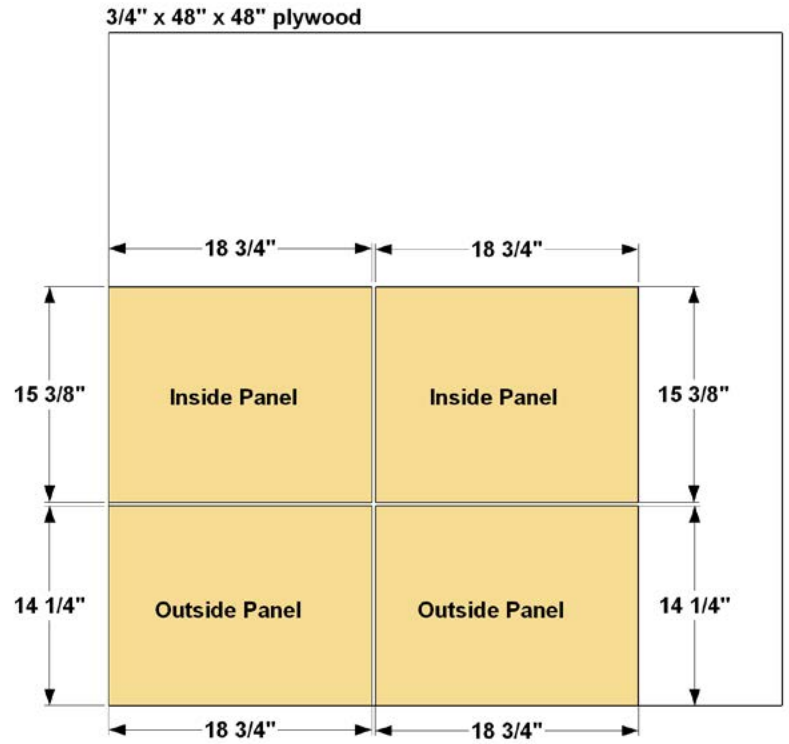
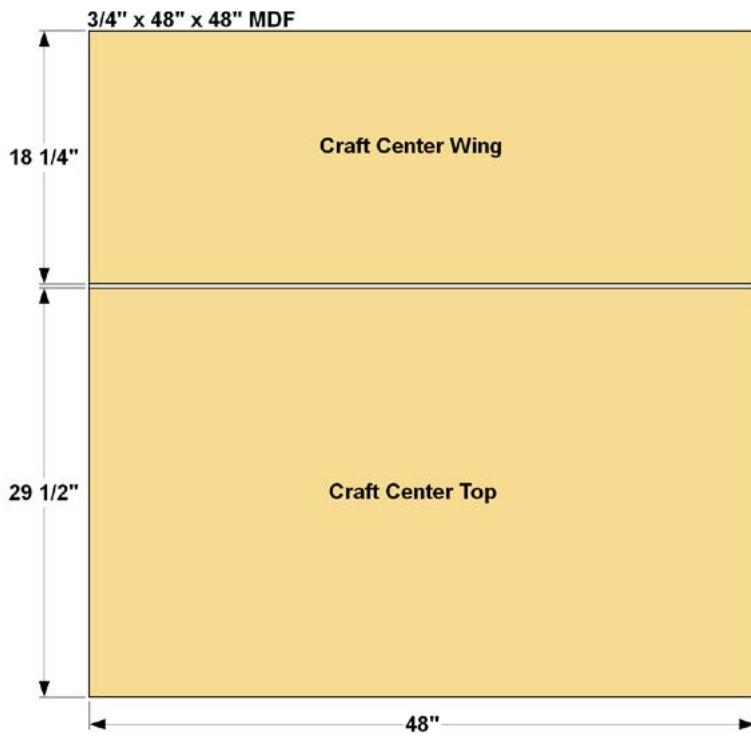
Tools:

Drill/Driver
Kreg Jig®
Miter Saw
Jigsaw
Circular Saw
Brad Nailer
Tape Measure
Sandpaper and Sander
Square
Right-Angle Drill Attachment
Optional Tools:
Kreg® Square-Cut™

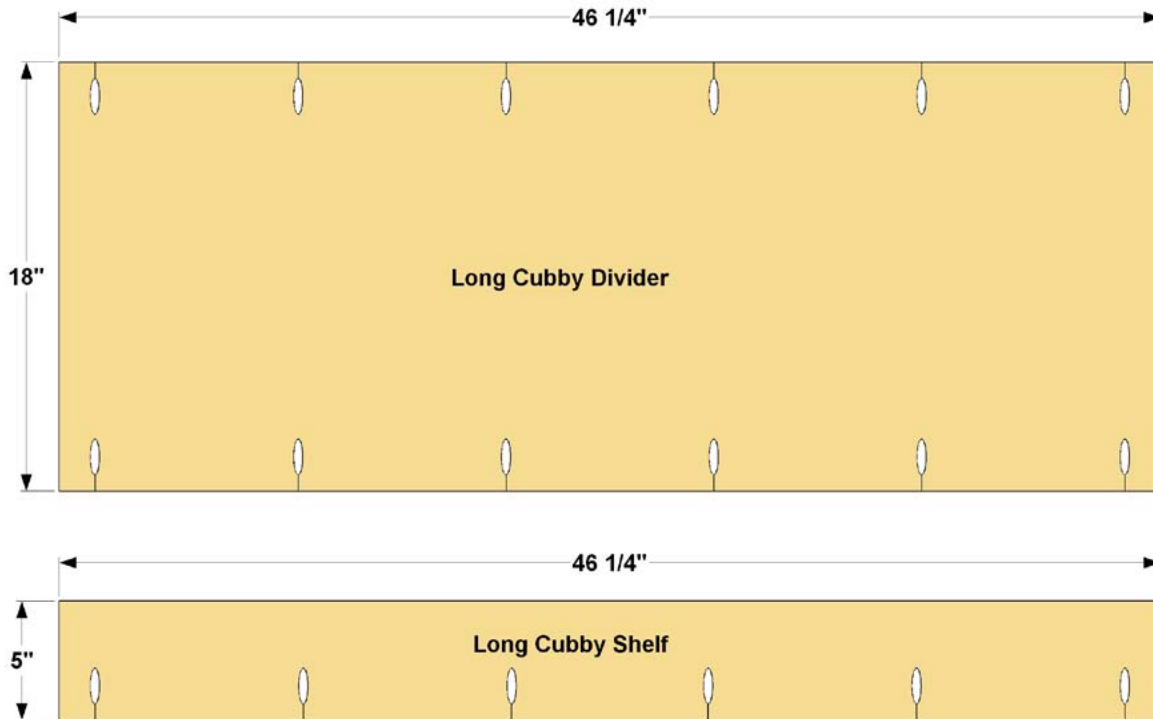
Cutting Diagram:



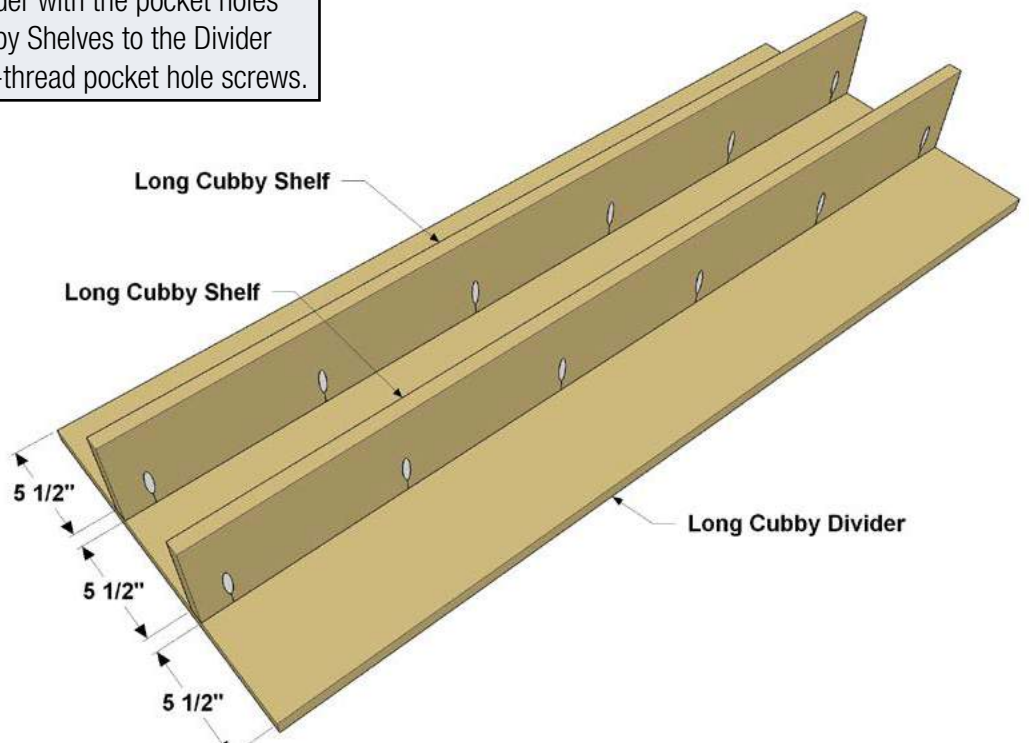
Cutting Diagram:

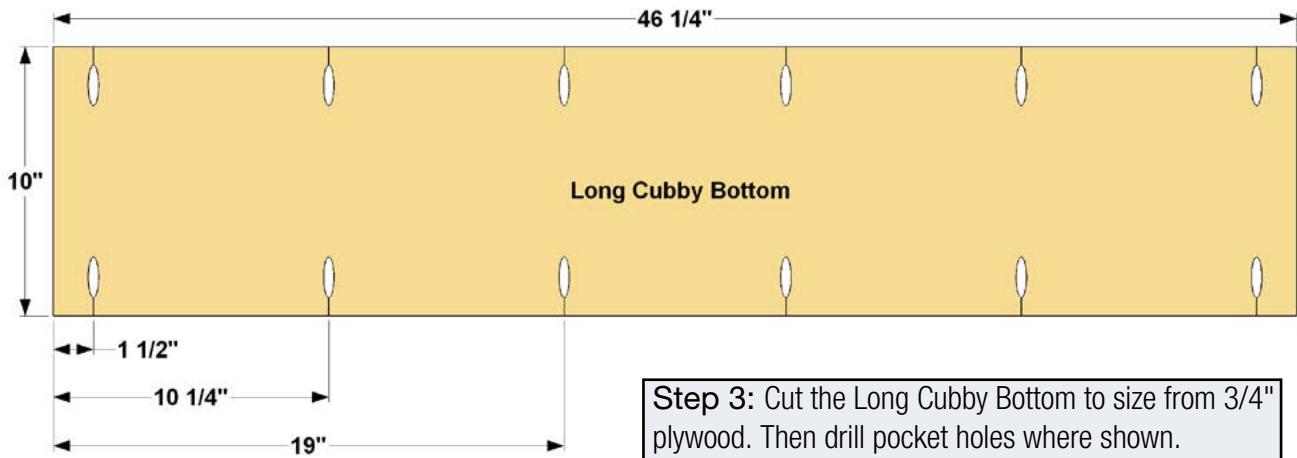


Step 1: The Craft Center has a lot of parts, but it's not hard to manage if you break the project down into smaller assemblies, and then join them together. Before you start cutting up parts, read through these steps completely to familiarize yourself with the processes. The best place to start is with the parts that make up the long-cubby area that spans the back of the craft center. Cut one Long Cubby Divider and two Long Cubby Shelves 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 in these pieces where shown.

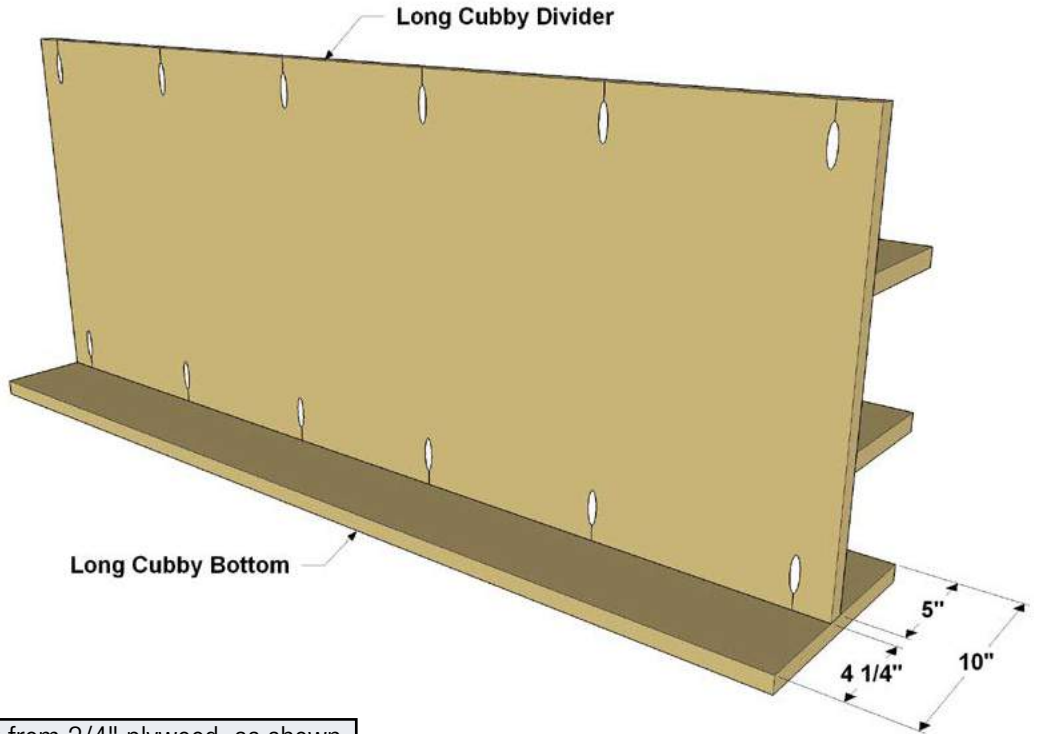


Step 2: Lay the Long Cubby Divider with the pocket holes facing down. Attach the Long Cubby Shelves to the Divider where shown using 1 1/4" coarse-thread pocket hole screws.

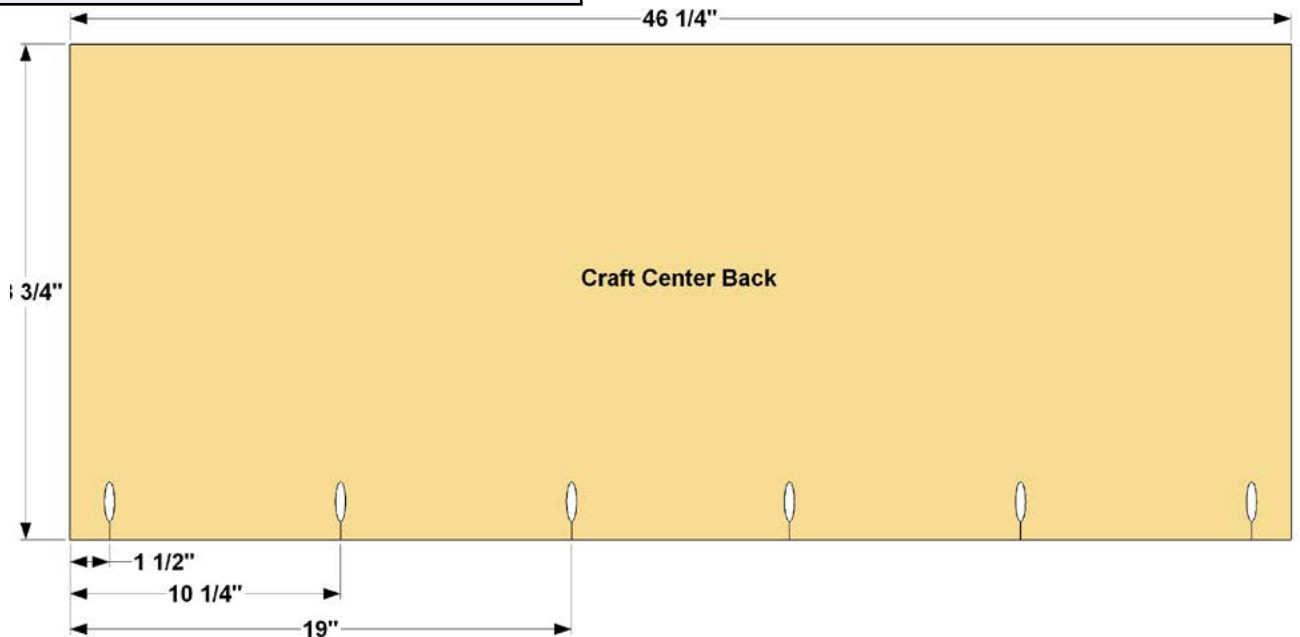


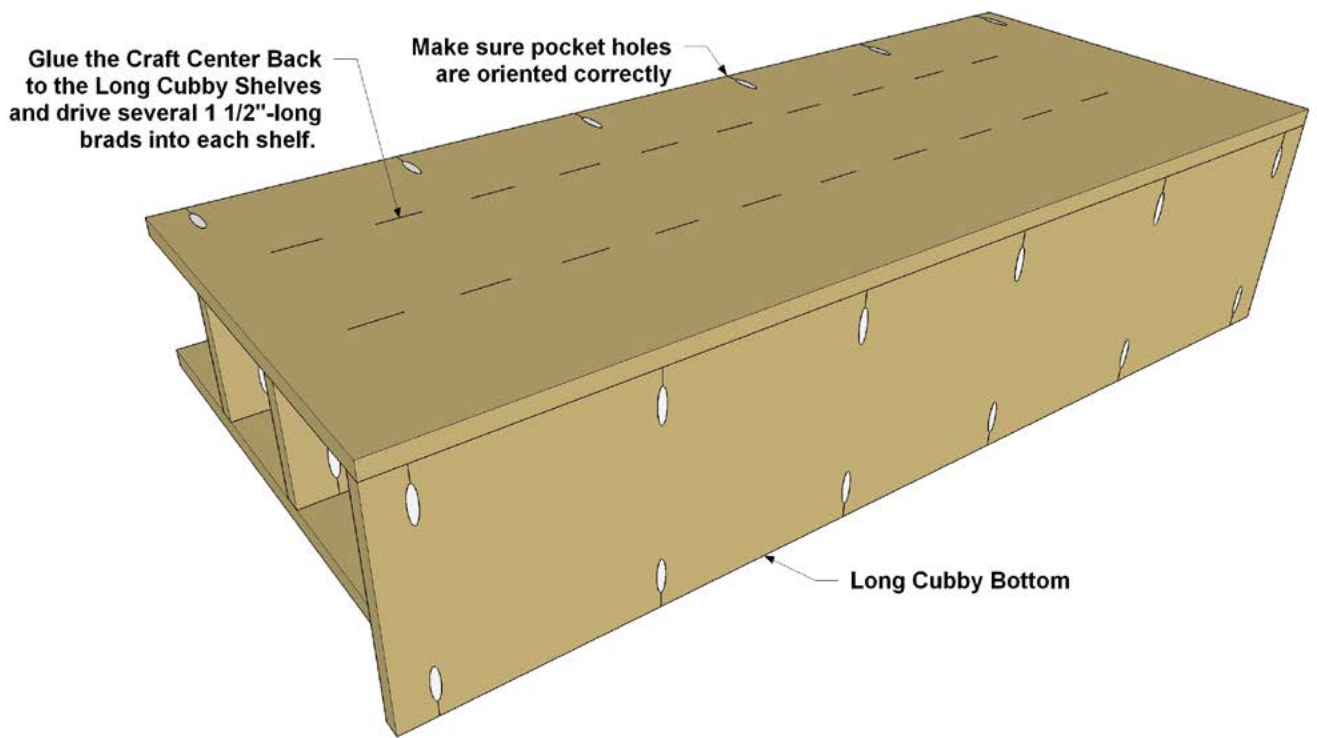


Step 4: Lay the Cubby Bottom with the pocket holes facing down. Now attach the Cubby Shelf Assembly to the Cubby Bottom where shown using 1 1/4" coarse-thread pocket hole screws.

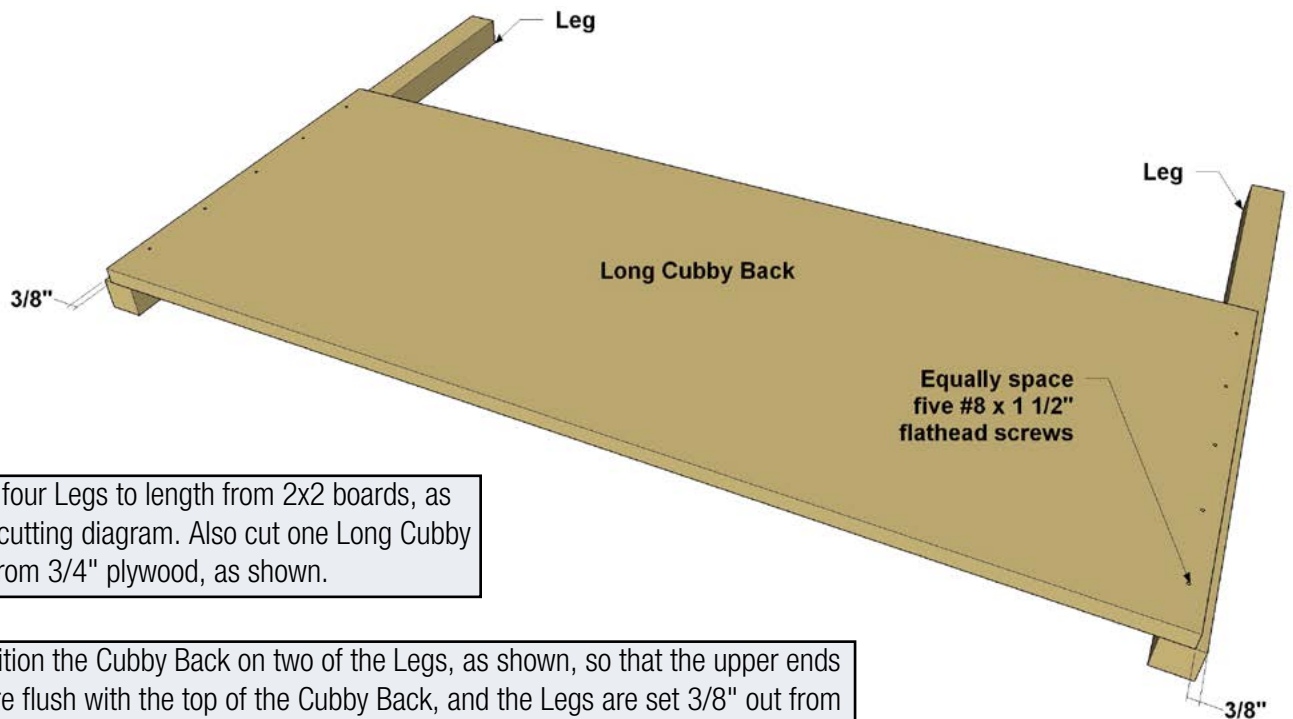


Step 5: Cut the Craft Center Back from 3/4" plywood, as shown in the cutting diagram, and then drill pocket holes where shown.





Step 6: Set the long-cubby assembly on your work surface with the Long Cubby Bottom hanging over the surface edge. Spread glue on the exposed edges of the Long Cubby Shelves and the Long Cubby Bottom, and then lay the Craft Center Back on the assembly with its pocket holes facing away from the Cubby Bottom, as shown. Clamp the assembly together, and then secure the Craft Center Back to the Long Cubby Bottom using 1 1/4" coarse-thread pocket hole screws. Secure the Back to each Shelf using 6-10 1 1/2" brads.

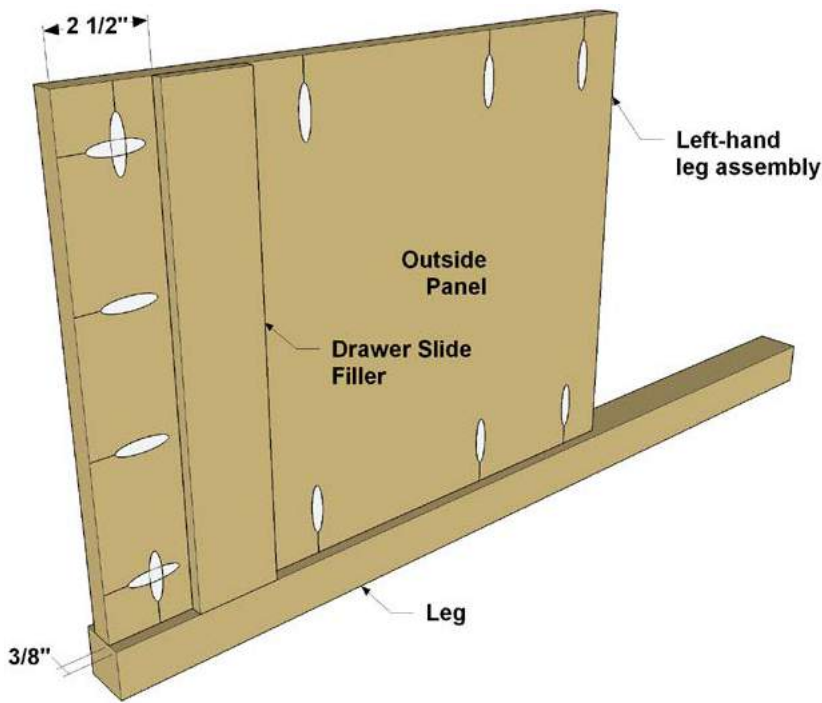
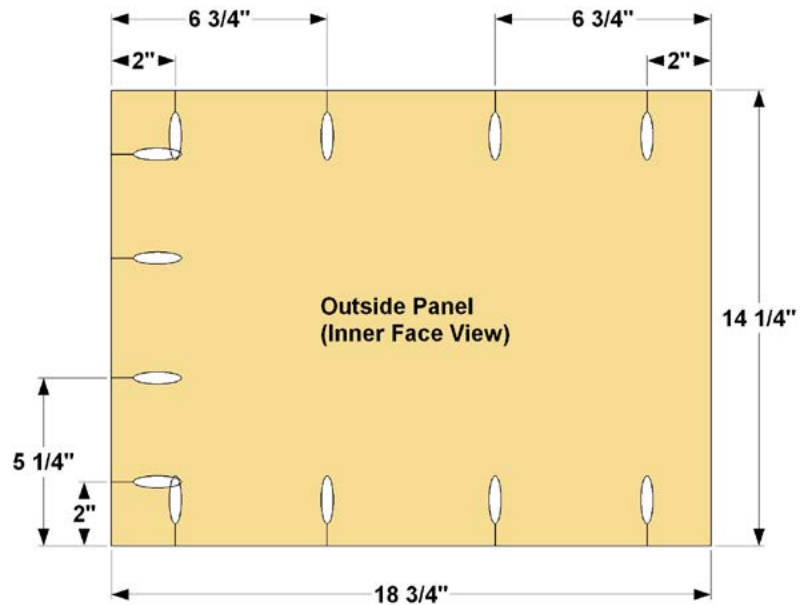


Step 7: Cut four Legs to length from 2x2 boards, as shown in the cutting diagram. Also cut one Long Cubby Back to size from 3/4" plywood, as shown.

Step 8: Position the Cubby Back on two of the Legs, as shown, so that the upper ends of the Legs are flush with the top of the Cubby Back, and the Legs are set 3/8" out from the Cubby Back. Glue and clamp the Legs in place, and then drill pilot holes for #8 x 1 1/2" screws. Drive in the screws to secure the Cubby Back to the Legs.

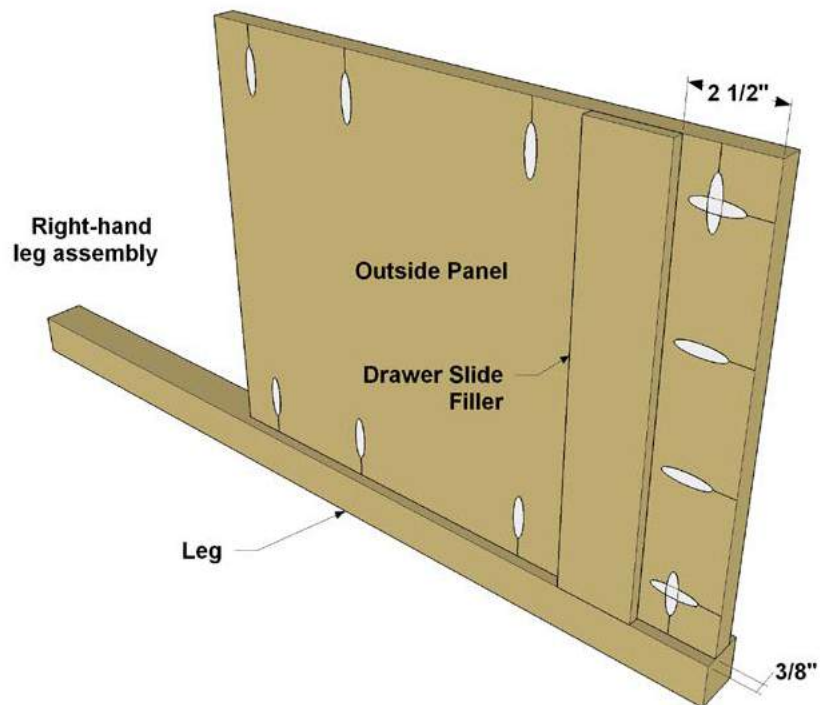
Step 9: Cut two Outside Panels from 3/4" plywood. Then drill pocket holes where shown.

Step 10: Cut two Drawer Slide Fillers to length from a 3/8"-thick board, as shown in the cutting diagram. Home centers often sell these thin boards as "hobby boards" or "craft boards."

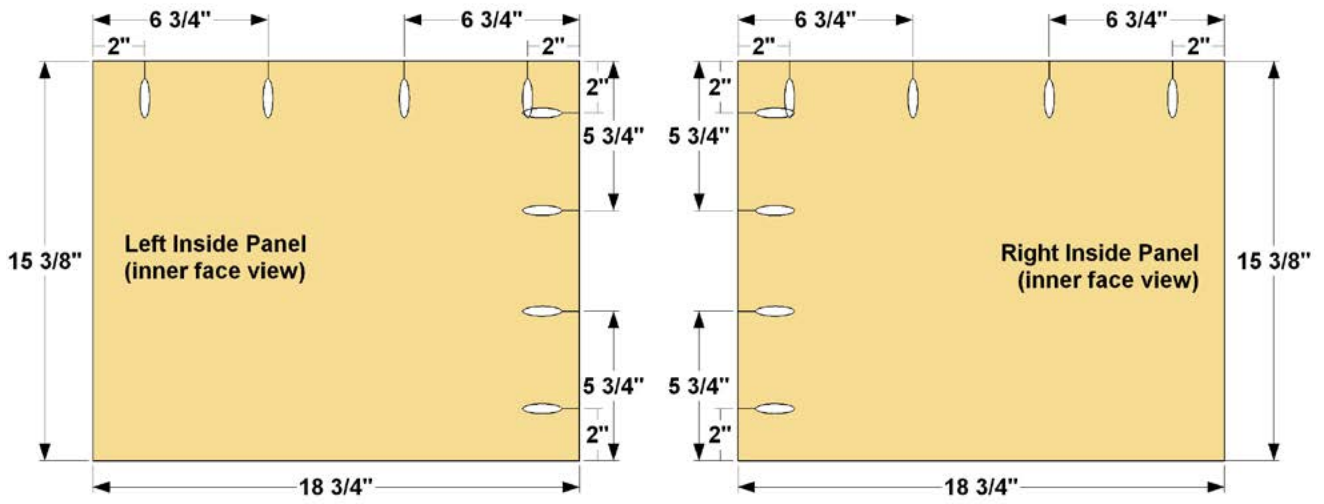


Step 11: Position one Outside Panel on a Leg, as shown, making sure the upper edge of the Outside Panel is flush with the upper end of the Leg, and that the Outside Panel is centered on the width of the Leg. Then attach the Outside Panel to the Leg using 1 1/4" coarse-thread pocket hole screws. After that, attach a Drawer Slide Filler using glue and 3/4" brad nails as shown.

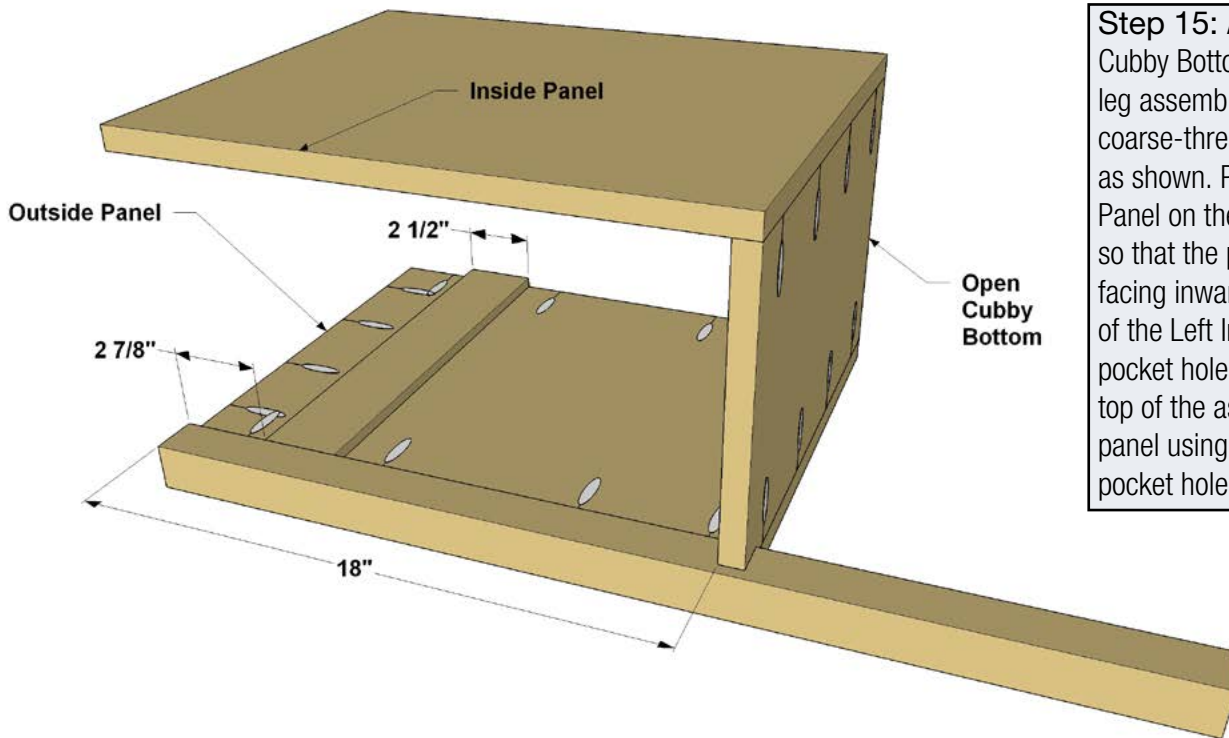
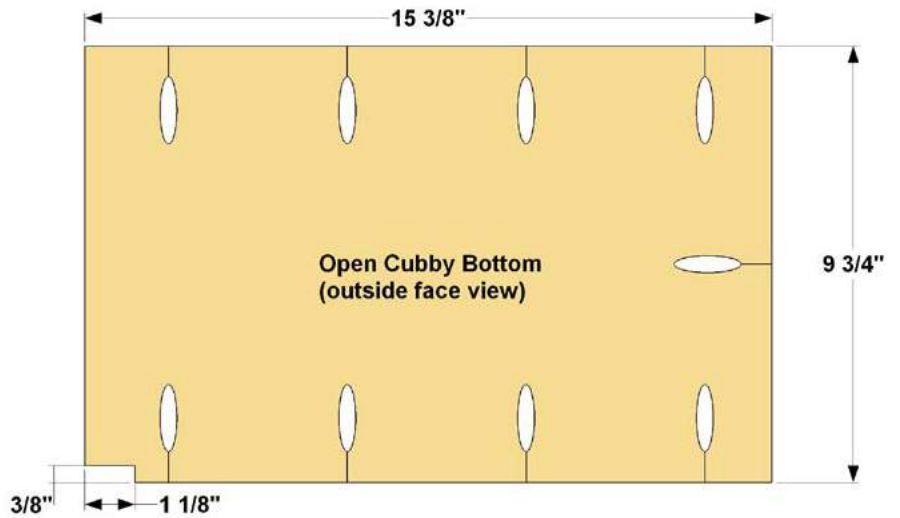
Step 12: Position the other Outside Panel on another Leg, as shown, making sure the upper edge of the Outside Panel is flush with the upper end of the Leg, and that the Outside Panel is centered on the width of the Leg. Then attach the Outside Panel to the Leg using 1 1/4" coarse-thread pocket hole screws. After that, attach a Drawer Slide Filler using glue and 3/4" brad nails as shown.



Step 13: Cut one Left Inside Panel and one Right Inside Panel from 3/4" plywood, as shown in the cutting diagram. Next, drill pocket holes in these parts where shown.

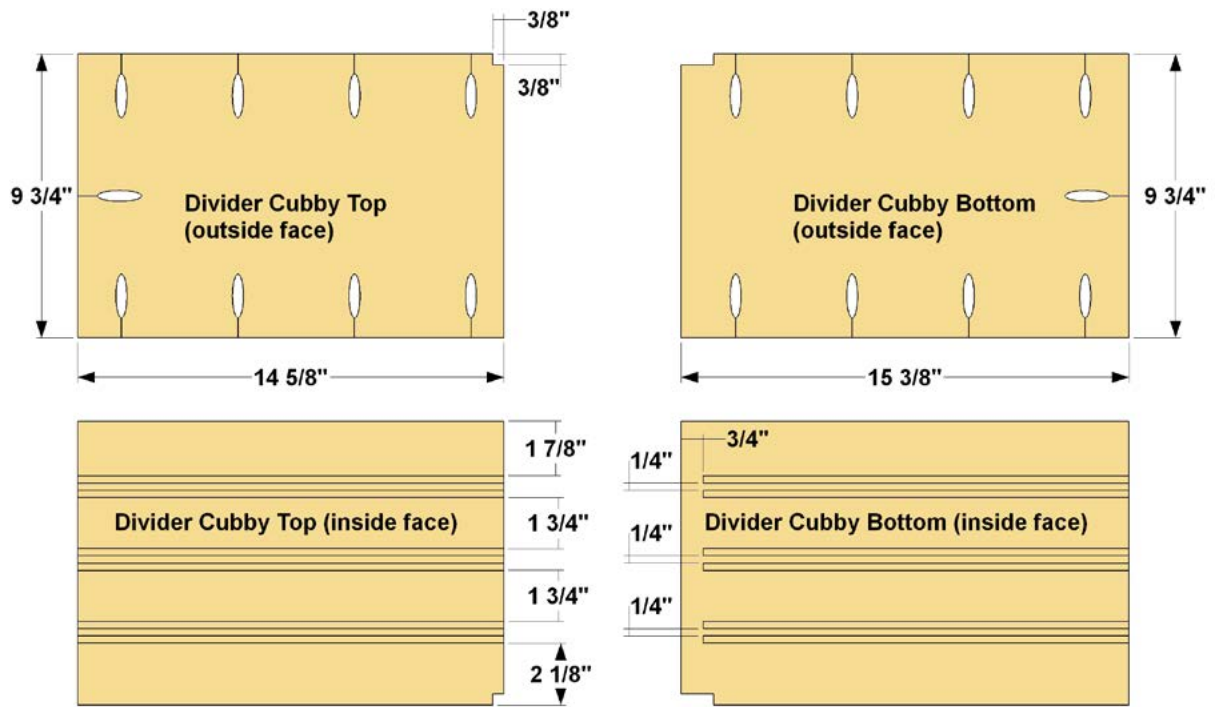


Step 14: Cut one Open Cubby Bottom to size from 3/4" plywood, as shown in the cutting diagram. Using a jigsaw, notch out one corner of this panel, as shown. Then drill pocket holes where shown.

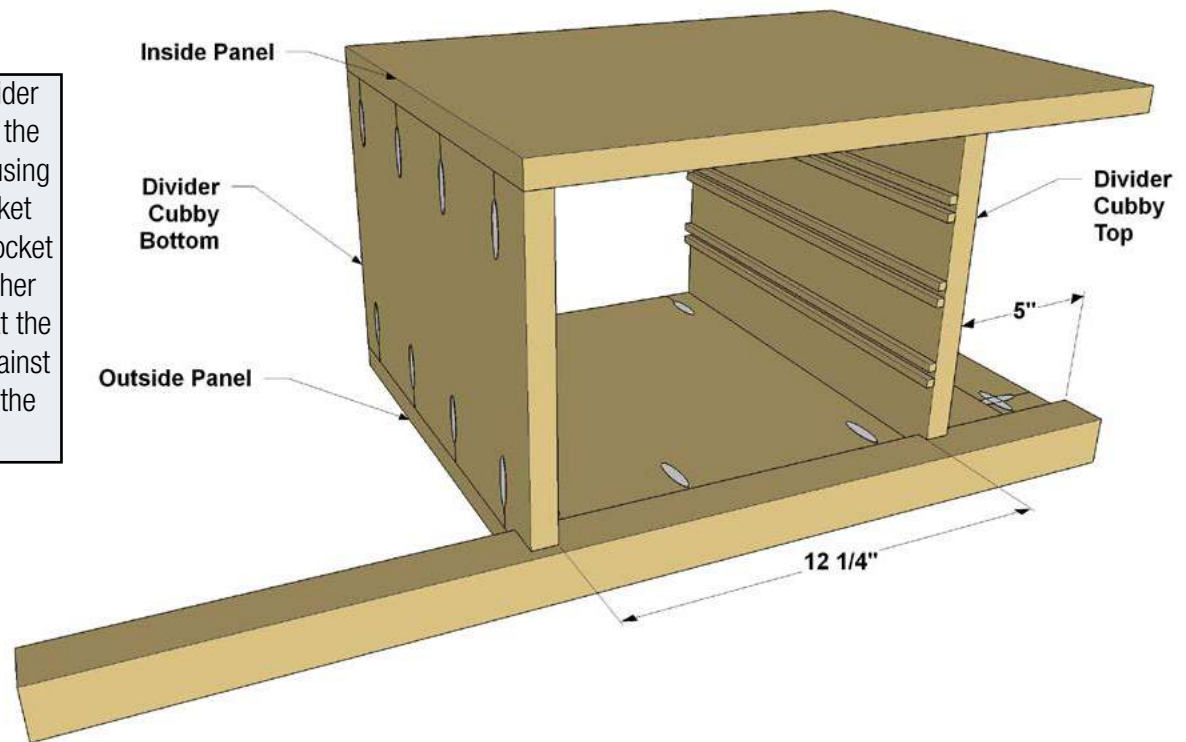


Step 15: Attach the Open Cubby Bottom to the Left-hand leg assembly using 1 1/4" coarse-thread pocket hole screws as shown. Position the Left Inside Panel on the assembly, as shown, so that the pocket holes are facing inward, and that the end of the Left Inside Panel that has pocket holes is facing toward the top of the assembly. Attach this panel using 1 1/4" coarse-thread pocket hole screws.

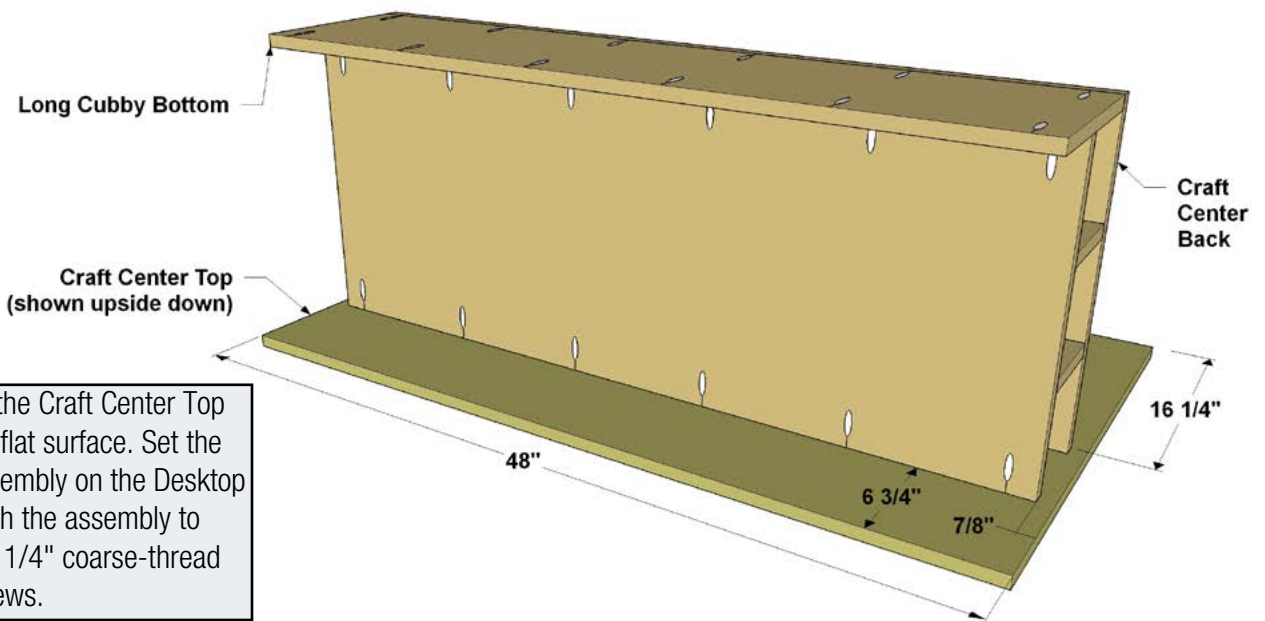
Step 16: Cut one Divider Cubby Top and one Divider Cubby Bottom to size from 3/4" plywood, as shown in the cutting diagram. Using a jigsaw, notch out one corner on each of these pieces, as shown. Then drill pocket holes where shown. Cut the Divider Guides from 1/4" square dowels. Attach the Divider Guides where shown using glue and 3/4" brad nails.



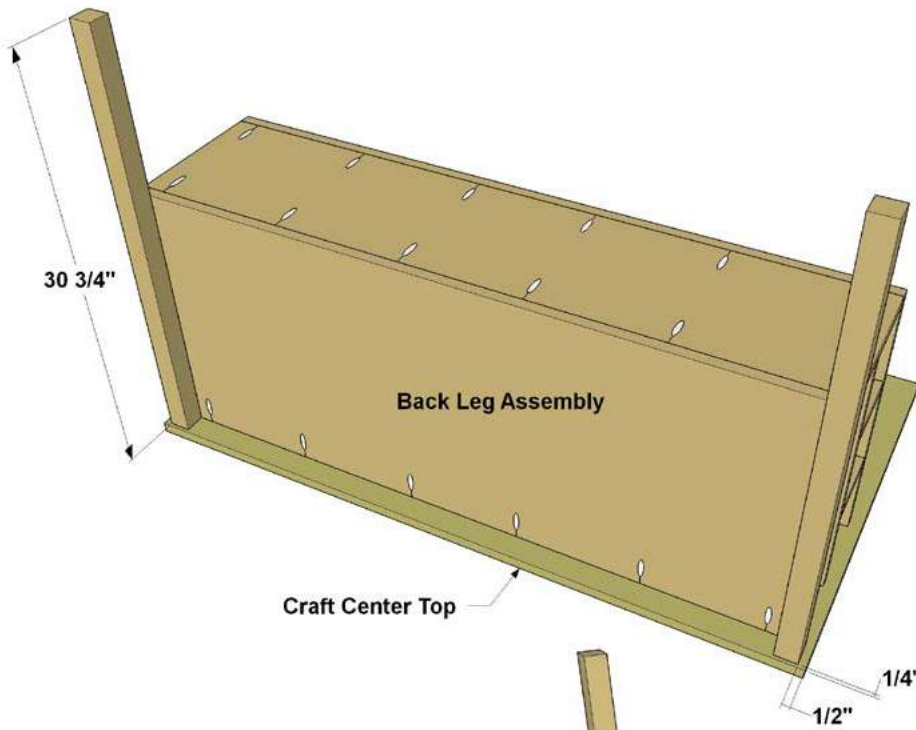
Step 17: Attach the Divider Cubby Top and Bottom to the right-hand leg assembly using 1 1/4" coarse-thread pocket hole screws. Orient the pocket holes as you did on the other cubby assembly. Note that the Divider Cubby Top sits against the Drawer Slide Filler on the Outside Panel.



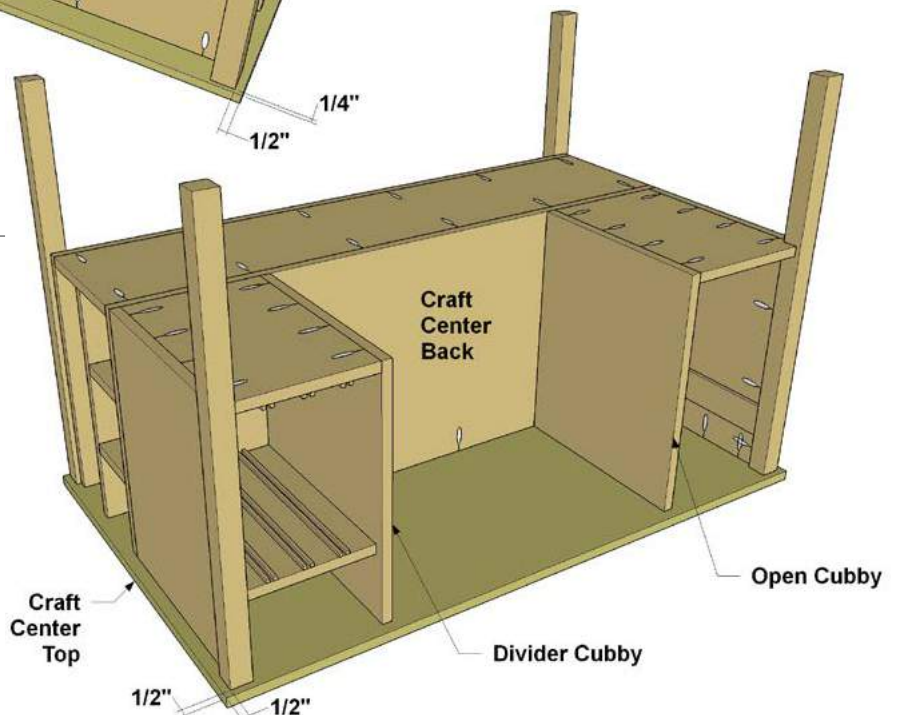
Step 18: Cut one Craft Center Top and one Craft Center Wing to size from 3/4" MDF, as shown in the cutting diagram.



Step 19: Lay the Craft Center Top face down on a flat surface. Set the Long Cubby assembly on the Desktop as shown. Attach the assembly to the Top using 1 1/4" coarse-thread pocket hole screws.



Step 20: Attach the Back Leg assembly (that you assembled in Step 8) using 1 1/4" coarse-thread pocket screws as shown.

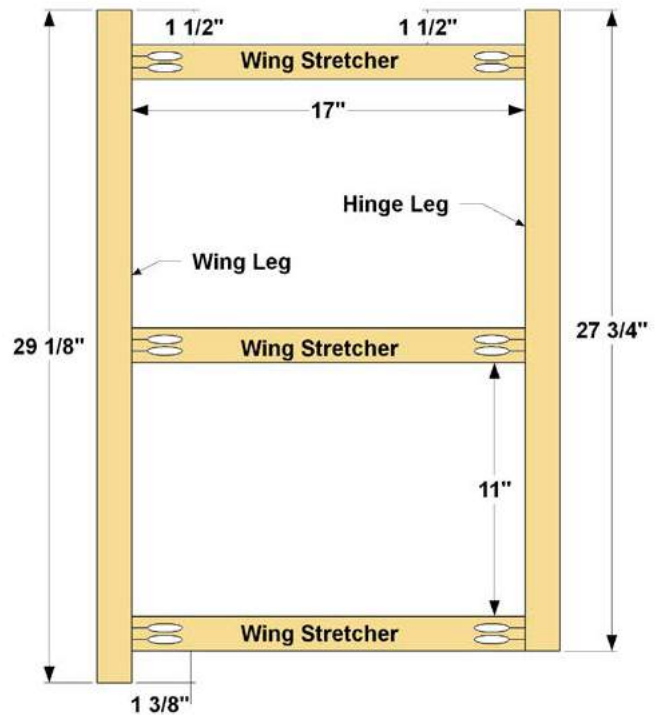


Step 21: Next, attach the Open Cubby assembly and the Divider Cubby assembly using 1 1/4" coarse-thread pocket hole screws, as shown. A small right-angle attachment for your drill, along with a short square-drive bit, will make it possible to drive screws in the tight spaces. Make sure that the Inside Panel on the Open Cubby assembly sits straight and parallel to the Leg.

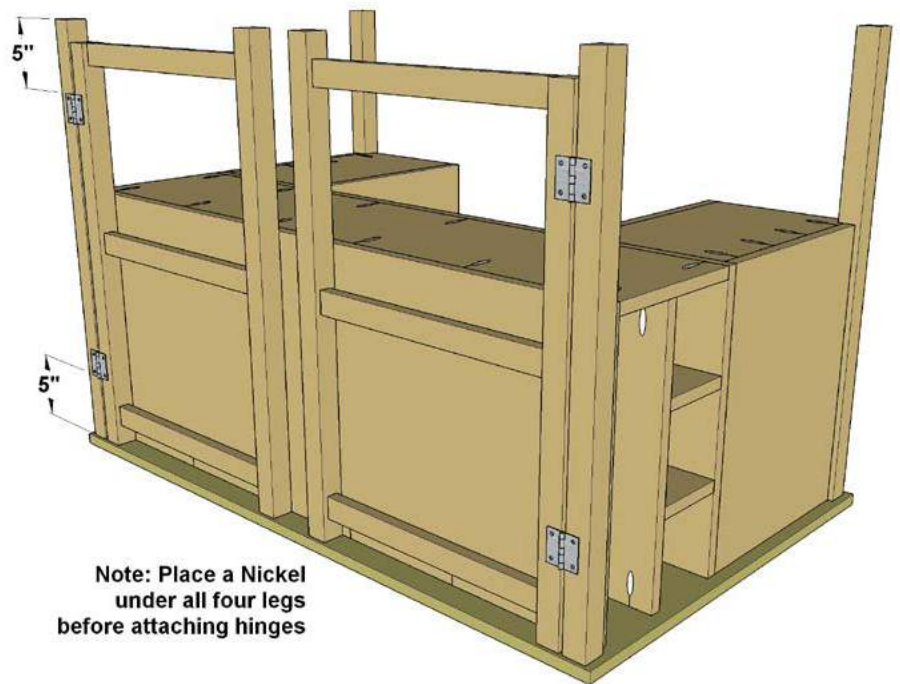


Step 22: Cut two Wing Legs and two Hinge Legs to length from 2x2 boards, as shown in the cutting diagram. Then cut six Wing Stretchers from 1x2 boards, as shown in the cutting diagram. Drill pocket holes in the ends of the Wing Stretchers, as shown.

Step 23: Position the Wing Stretchers on the Legs as shown, making sure that the stretchers are centered on the width of the Legs. Then attach the Stretchers using 1 1/4" coarse-thread pocket hole screws.



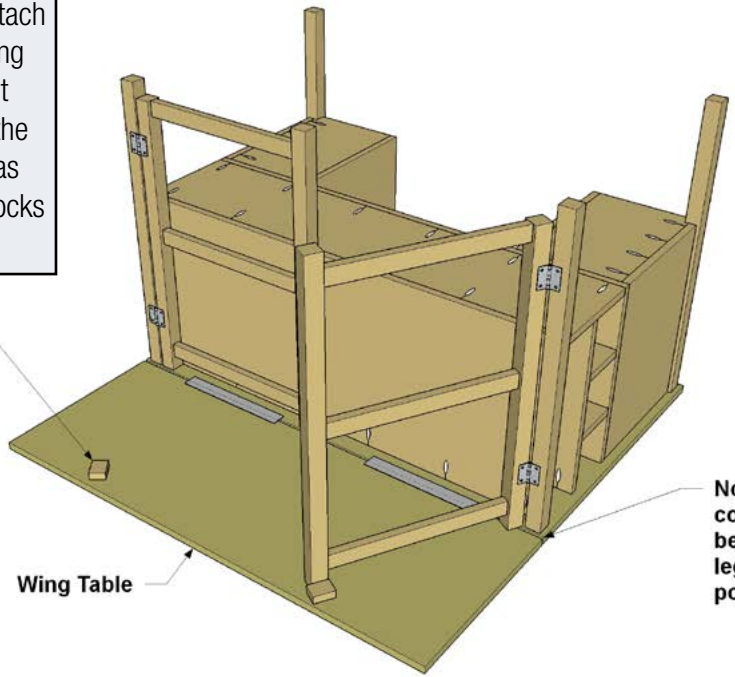
Step 24: Position the wing support assemblies you just made against the Long Cubby Back, and rest the legs on nickels. This creates a slight gap that will allow the supports to swing freely. Using two pairs of 3" hinges, attach the Hinge Legs to the Craft Center Legs, as shown.



Note: Place a Nickel under all four legs before attaching hinges

Step 25: Position the Craft Center Wing, leaving a slight gap between it and the Craft Center Top—a couple of nickels work great here, once again. Attach the Craft Center Wing to the Craft Center Top using a pair of 1 1/2" x 12" continuous hinges. Now cut two Wing Blocks from a 1x2 board, as shown in the cutting diagram. Swing the wing supports open, as shown, and then position and attach the Wing Blocks using glue and 1 1/4" brads.

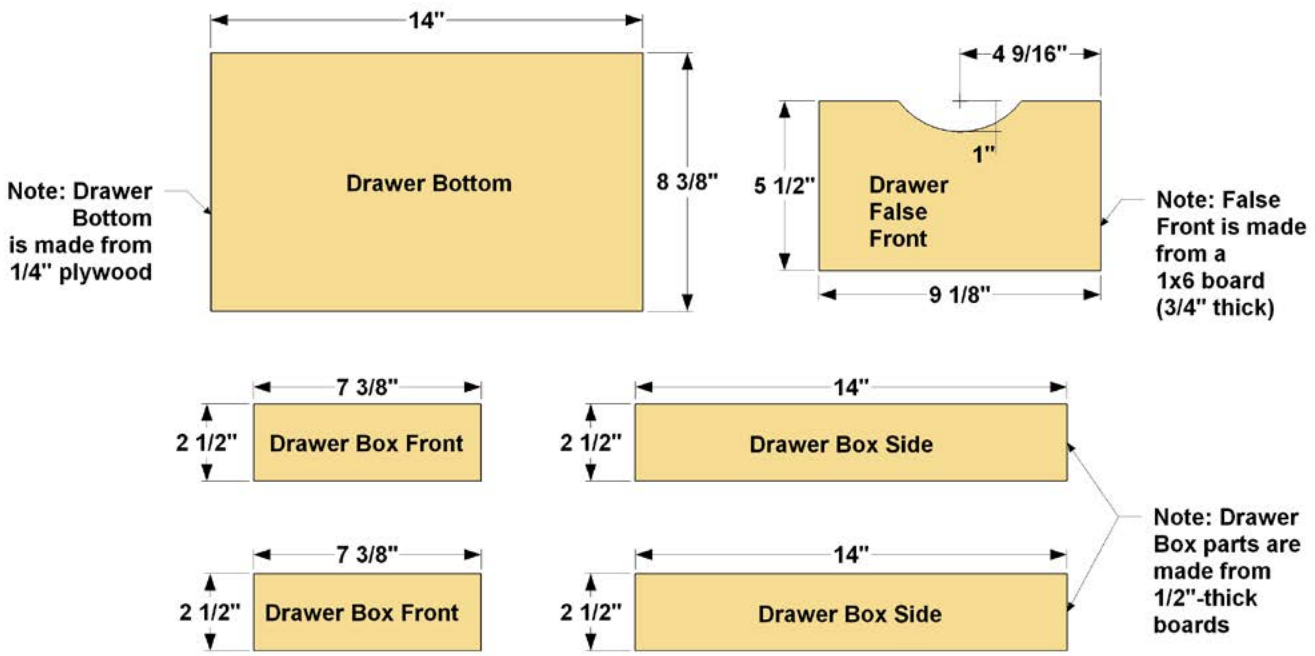
Note: Swing the wing-supports into position to determine the Wing Stop location

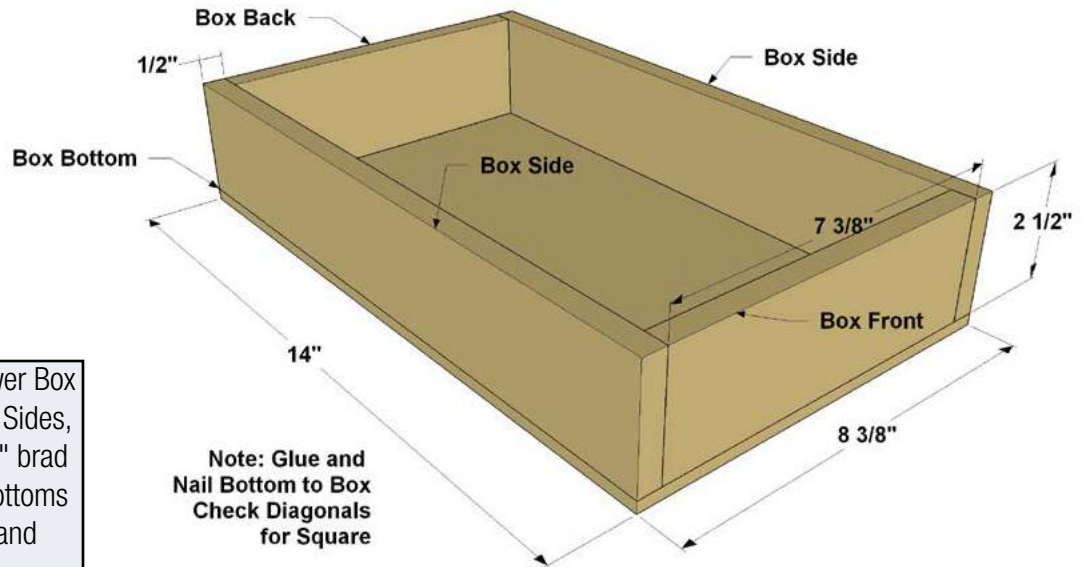


Note: Set 1 1/2" x 12" continuous hinges between wing-support legs when in closed position

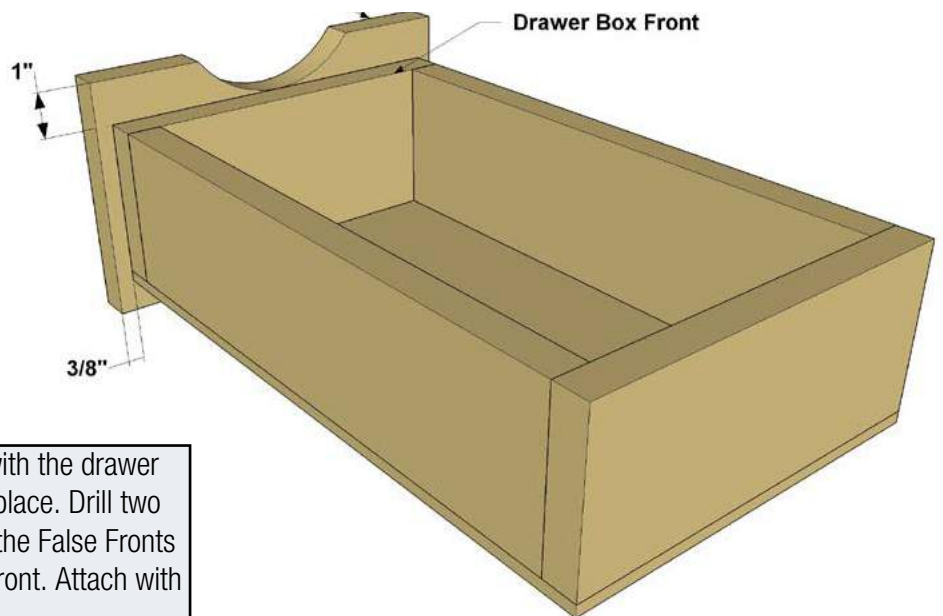
Step 26: Cut three Cubby Dividers from 1/4" plywood, as shown. Then test fit the Dividers by sliding them in place between the Divider Guides.

Step 27: Cut four Drawer Box Sides, two Drawer Box Fronts and two Drawer Box Backs to length from 1x4 boards, as shown in the cutting diagram. Cut two Drawer Bottoms from 1/4" plywood. Also cut two Drawer False Fronts from a 1x6 board. To cut the drawer handle, simply use something like a quart paint can to draw the shape, and then cut it out with a jigsaw.





Step 28: First attach the Drawer Box Front & Back to the Drawer Box Sides, as shown, using glue and 1 1/4" brad nails. Attach the Drawer Box Bottoms to the drawer boxes using glue and 3/4" brad nails.



Step 29: Align the Drawer False Fronts with the drawer boxes, as shown, and then clamp them in place. Drill two pilot holes from inside the drawer box into the False Fronts making sure you don't pierce the Drawer Front. Attach with glue and 1 1/4" wood screws.

Step 30: With everything almost done, you can sand your craft center as needed—especially the exposed edges. Then apply the paint or stain of your choice. We decided to simply apply a clear oil finish, leaving the plywood edges exposed. Once the finish or paint dries, you can install a pair of 14" drawer slides on each drawer following the manufacturer's instructions. After that, you're ready to get your craft on!