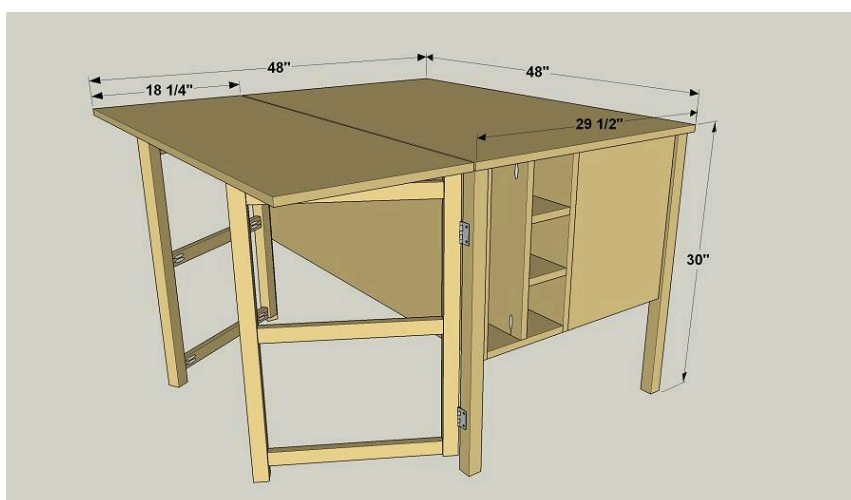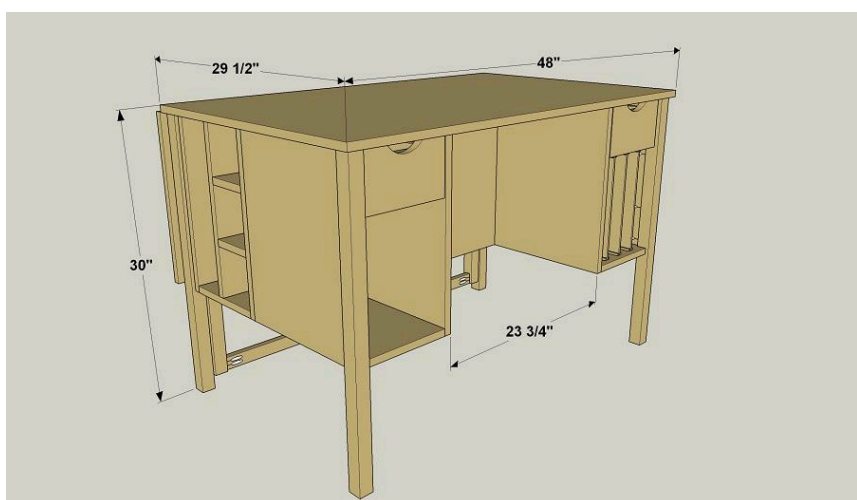# Expandable Craft Table

By **Kreg Tool**

Difficulty

Moderate

Whether you're working on craft projects, sewing, or pursuing another hobby, this craft table offers a large work surface that can be expanded when you need even more room. Plus this table has storage for all of your supplies. Build one for yourself, and you'll be set to get your craft on!

Tools

Kreg Tools

 [Wood Project Clamp - 6"](#)

 [Kreg® Pocket-Hole Jig 720](#)

 [Mobile Project Center](#)
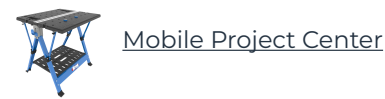
Other Tools

Circular Saw (corded)

Jigsaw

Miter Saw

Square

Tape Measure

Drill (cordless)

Nail Gun

Sander

Materials

Wood Products

1   MDF , 3/4" Thick , Half Sheet

1   Plywood , 3/4" Thick , Full Sheet

1   Plywood , 3/4" Thick , Half Sheet

1   Plywood , 1/4" Thick , Quarter Sheet

6   Square Dowel , 1/4" X 1/4" , 36"

1   Craft Board , 3/8" X 3" (2 1/2" Actual Width) , 36"

1   Board , 1x2 , 72"

1   Board , 1x2 , 48"

2   Board , 1/2" X 3" (2 1/2" Actual Width) , 48"

1   Board , 1x6 , 24"

2   Board , 2x2 , 96"
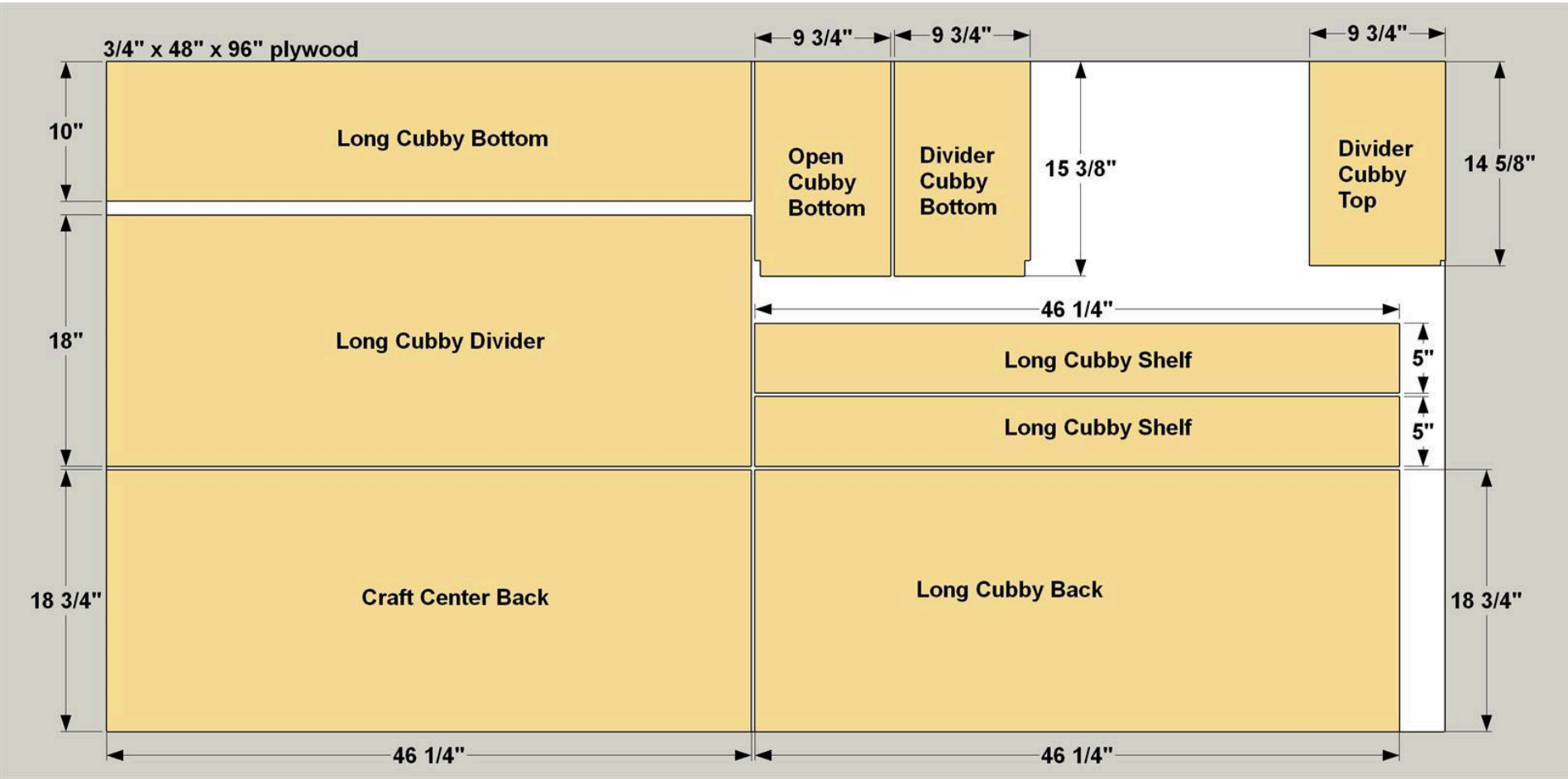
1   Board , 2x2 , 72"
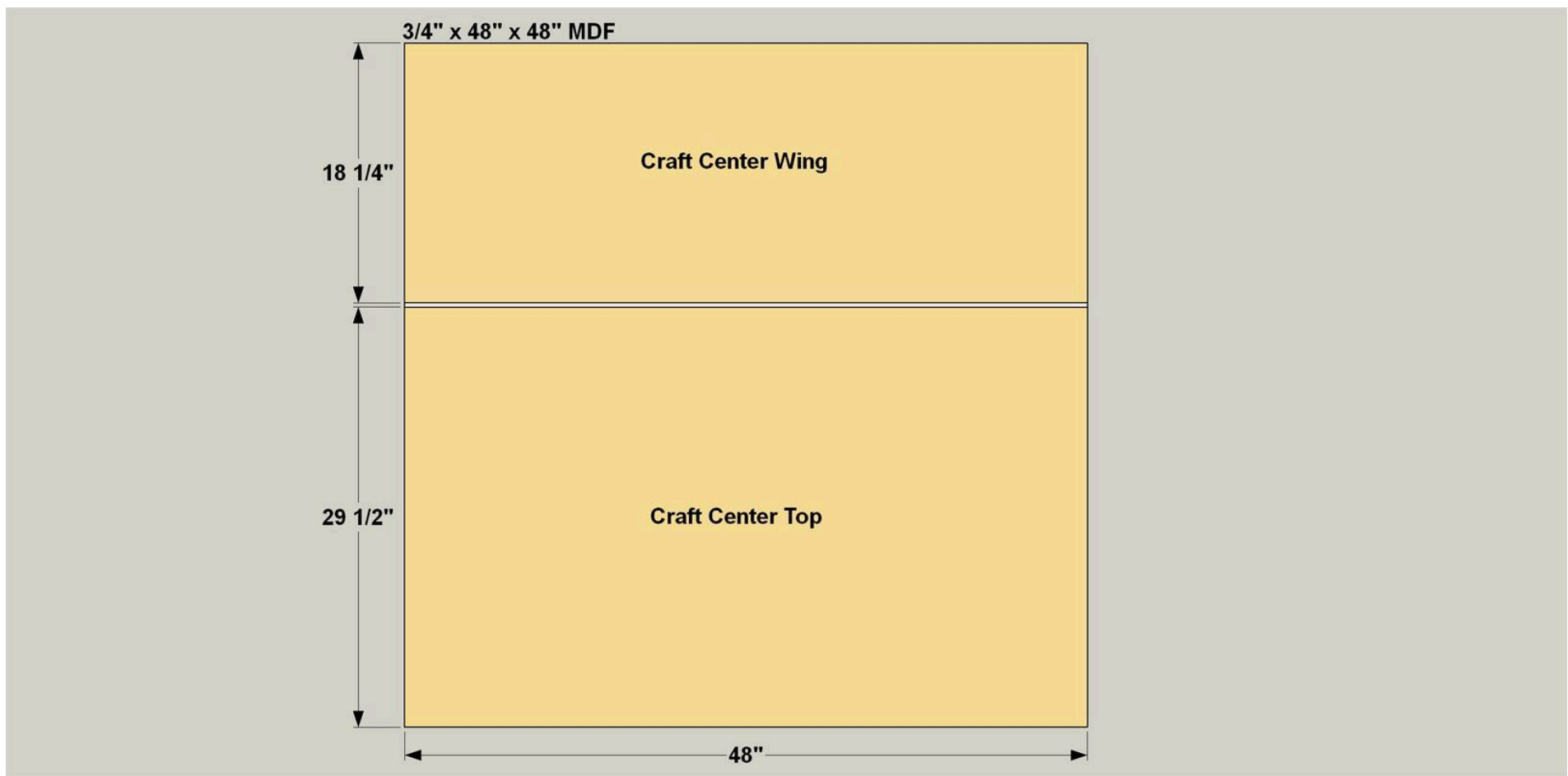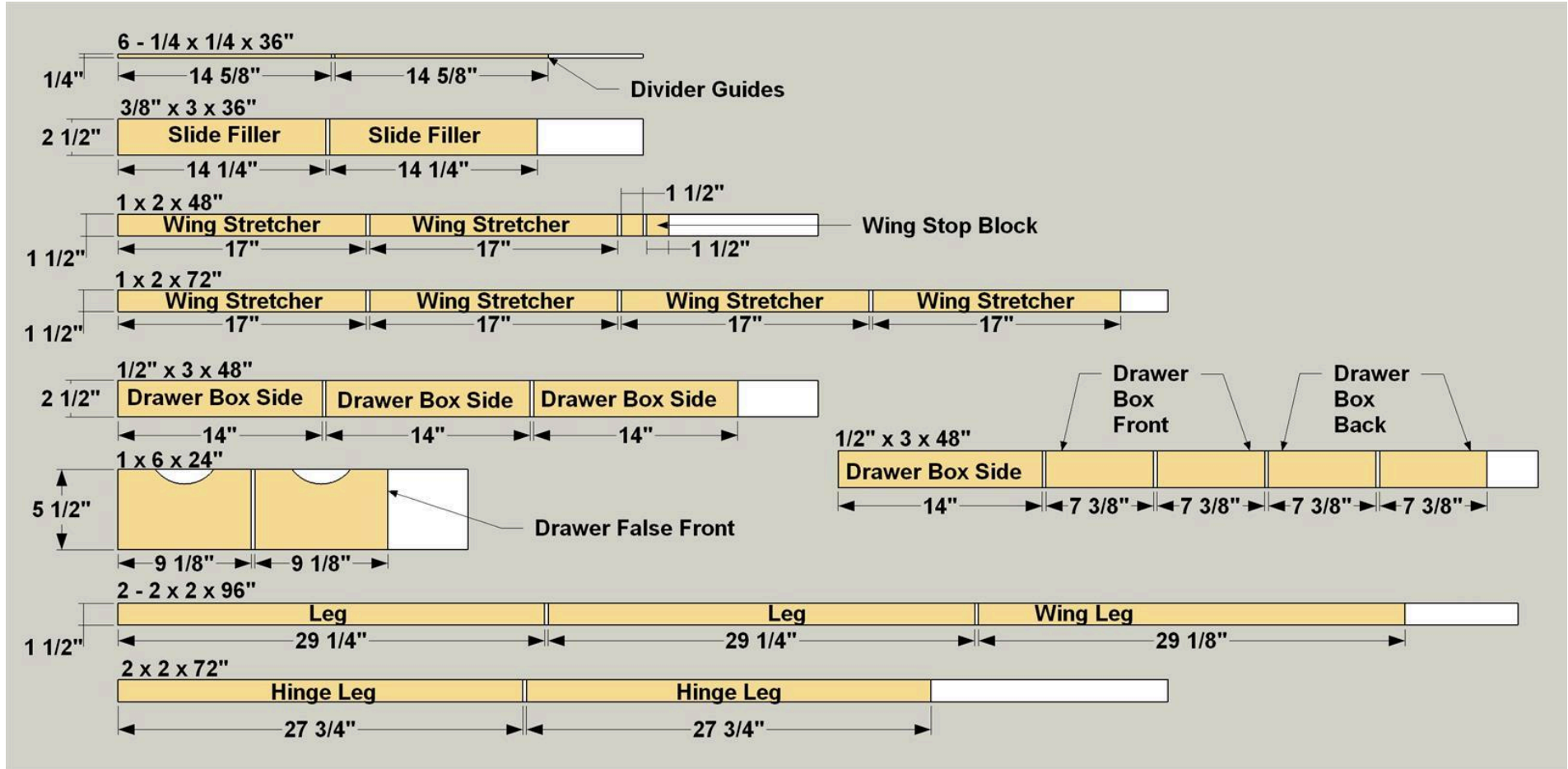
Hardware & Supplies

140 1 1/4" Coarse-thread Pocket Hole Screws

72 3/4" 18-gauge Brad Nails

28 1 1/4" 18-gauge Brad Nails

20 1 1/2" 18-gauge Brad Nails

4   #8 X 1 1/4" Flathead Wood Screws

2   Pair 14" Ball-bearing Side-mount Drawer Glides

4   3" Door Hinges

2   1 1/2" X 12" Continuous Hinge
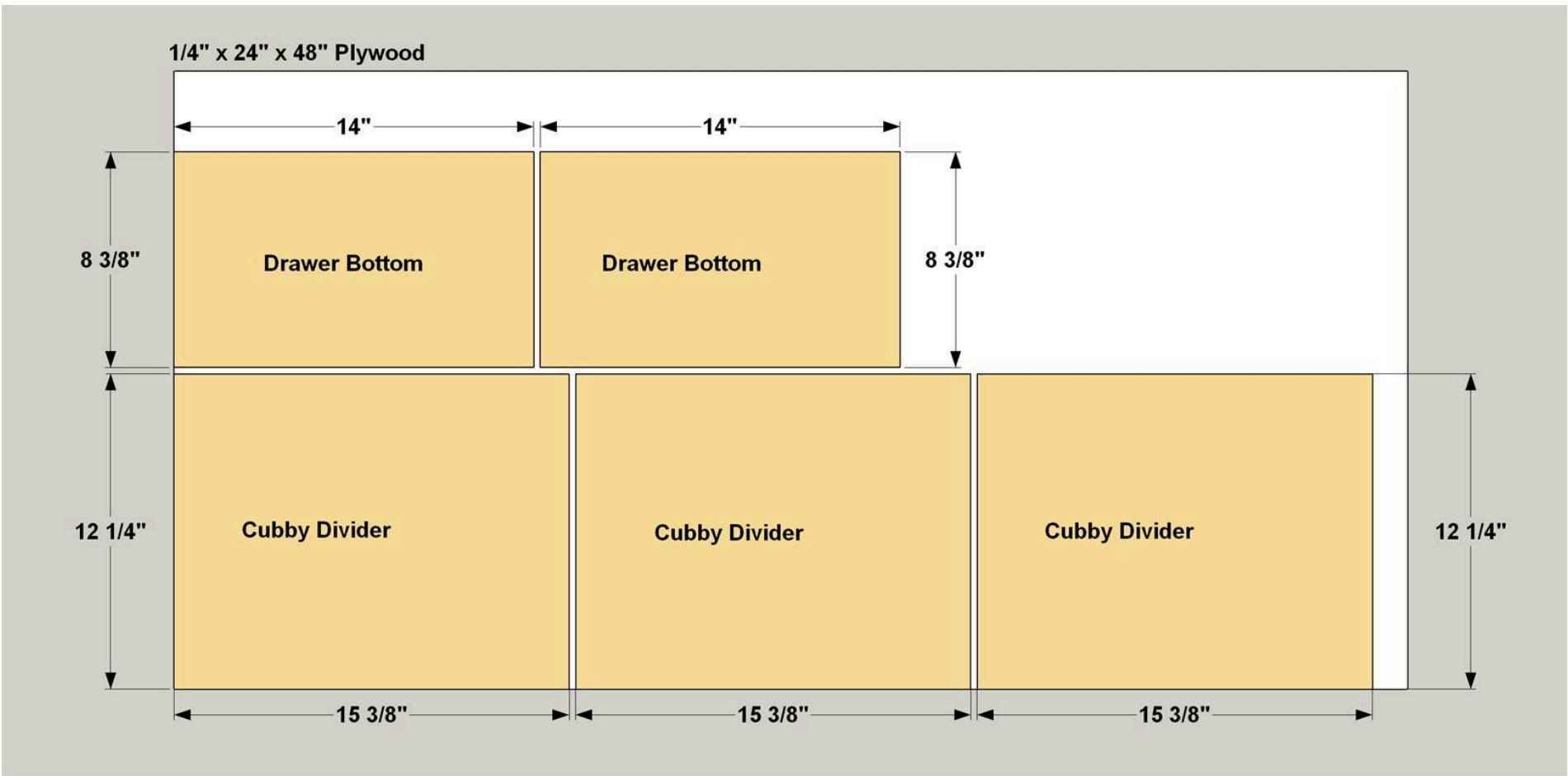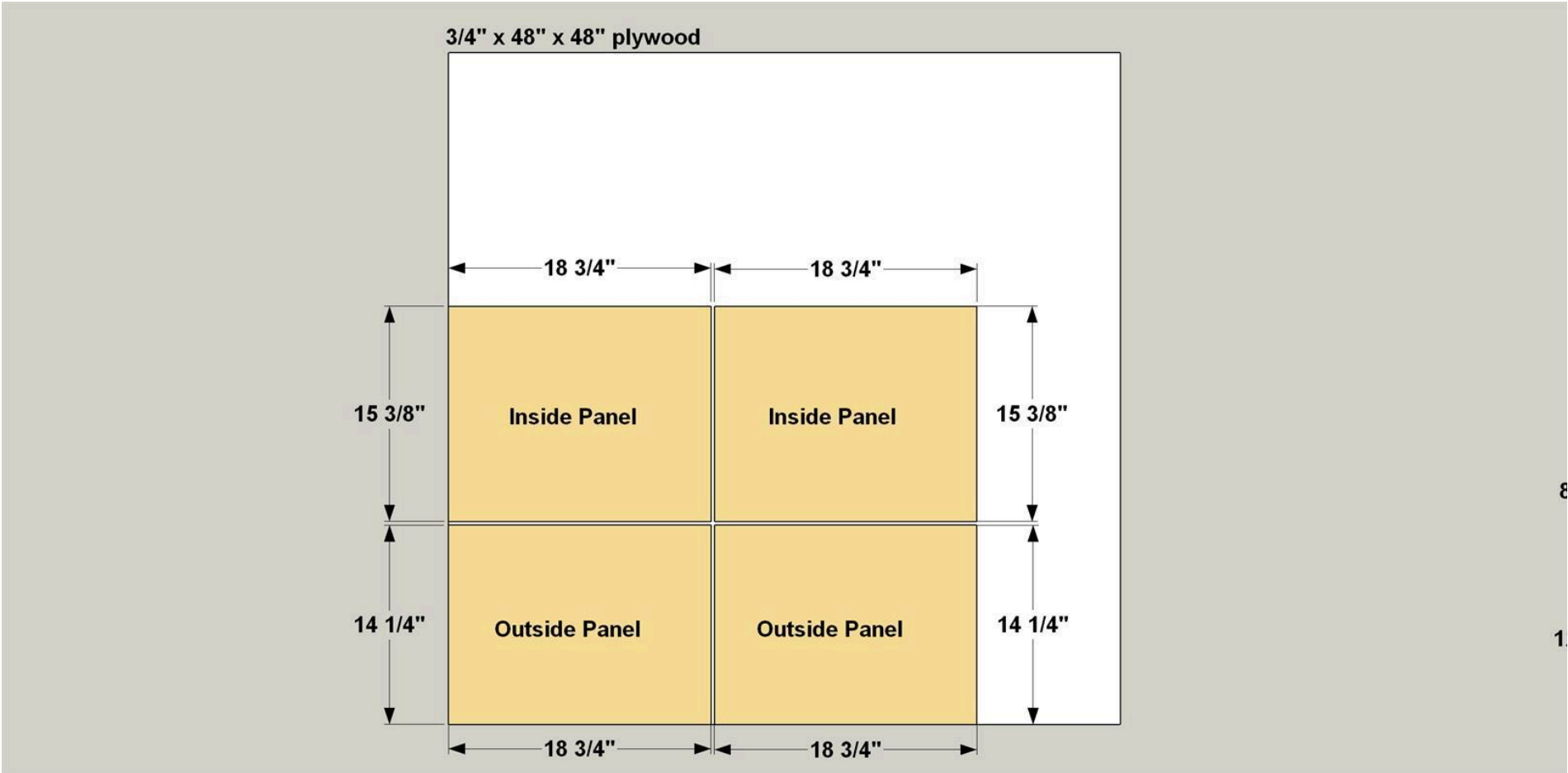
1   Right-Angle Drill Attachment

Cut List & Parts

1   Long Cubby Divider , 3/4" Ply X 18" X 46 1/4"

2   Long Cubby Shelf , 3/4" Ply X 5" X 46 1/4"

1   Long Cubby Bottom , 3/4" Ply X 10" X 46 1/4"

1   Craft Center Back , 3/4" Ply X 18 3/4" X 46 1/4"

1   Long Cubby Back , 3/4" Ply X 18 3/4" X 46 1/4"

4   Leg , 1 1/2" X 1 1/2" X 29 1/4" Pine

2   Outside Panel , 3/4" Ply X 14 1/4" X 18 3/4"

2   Drawer Slide Filler , 3/8" X 2 1/2" X 14 1/4" Pine

1   Left Inside Panel , 3/4" Ply X 15 3/8" X 18 3/4"

1   Right Inside Panel , 3/4" Ply X 15 3/8" X 18 3/4"

1   Open Cubby Bottom , 3/4" Ply X 9 3/4" X 15 3/8"

1   Divider Cubby Bottom , 3/4" Ply X 9 3/4" X 15 3/8"

1   Divider Cubby Top , 3/4" Ply X 9 3/4" X 14 5/8"

12 Divider Guides , 1/4" X 1/4" X 14 5/8" Pine

1   Craft Center Top , 3/4" MDF X 29 1/2" X 48"

1   Craft Center Wing , 3/4" MDF X 18 1/4" X 48"

2   Hinge Leg , 1 1/2" X 1 1/2" X 27 3/4" Pine

2   Wing Leg , 1 1/2" X 1 1/2" X 29 1/8" Pine

6   Wing Stretcher , 3/4" X 1 1/2" X 17" Pine

2   Wing Stop Block , 3/4" X 1 1/2" X 1 1/2" Pine

3   Cubby Divider , 1/4" Ply X 12 1/4" X 15 3/8"

2   Drawer False Front , 3/4" X 5 1/2" X 9 1/8" Pine

4   Drawer Box Side , 1/2" X 2 1/2" X 14" Pine

2   Drawer Box Front , 1/2" X 2 1/2" X 8 3/8" Pine

2   Drawer Box Back , 1/2" X 2 1/2" X 8 3/8" Pine

2   Drawer Bottom , 1/4" Ply X 8 3/8" X 14"

Kreg

6 - 1/4 x 1/4 x 36"

1/4" | 14 5/8" | 14 5/8" → Divider Guides

3/8" x 3 x 36"

2 1/2" | Slide Filler | Slide Filler

14 1/4" | 14 1/4"

1 x 2 x 48"

1 1/2" | Wing Stretcher | Wing Stretcher | 1 1/2" → Wing Stop Block

17" | 17" | 1 1/2"

1 x 2 x 72"

1 1/2" | Wing Stretcher | Wing Stretcher | Wing Stretcher | Wing Stretcher

17" | 17" | 17" | 17"

1/2" x 3 x 48"

2 1/2" | Drawer Box Side | Drawer Box Side | Drawer Box Side

14" | 14" | 14"

1 x 6 x 24"

5 1/2" | | | Drawer False Front

9 1/8" | 9 1/8"

Drawer Box Front | Drawer Box Back

1/2" x 3 x 48"

Drawer Box Side

14" | 7 3/8" | 7 3/8" | 7 3/8" | 7 3/8"

2 - 2 x 2 x 96"

1 1/2" | Leg | Leg | Wing Leg

29 1/4" | 29 1/4" | 29 1/8"

2 x 2 x 72"

Hinge Leg | Hinge Leg

27 3/4" | 27 3/4"

3/4" x 48" x 48" MDF

18 1/4" | Craft Center Wing

29 1/2" | Craft Center Top

48"

3/4" x 48" x 48" plywood

18 3/4"	18 3/4"

Inside Panel	Inside Panel
Outside Panel	Outside Panel

15 3/8" 15 3/8"

14 1/4" 14 1/4"

18 3/4" 18 3/4"

1/4" x 24" x 48" Plywood

14" 14"

Drawer Bottom	Drawer Bottom

8 3/8" 8 3/8"

Cubby Divider	Cubby Divider	Cubby Divider

12 1/4" 12 1/4"

15 3/8" 15 3/8" 15 3/8"

Directions

1

Start with Long Cubby Parts

The Craft Table 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 table. 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.

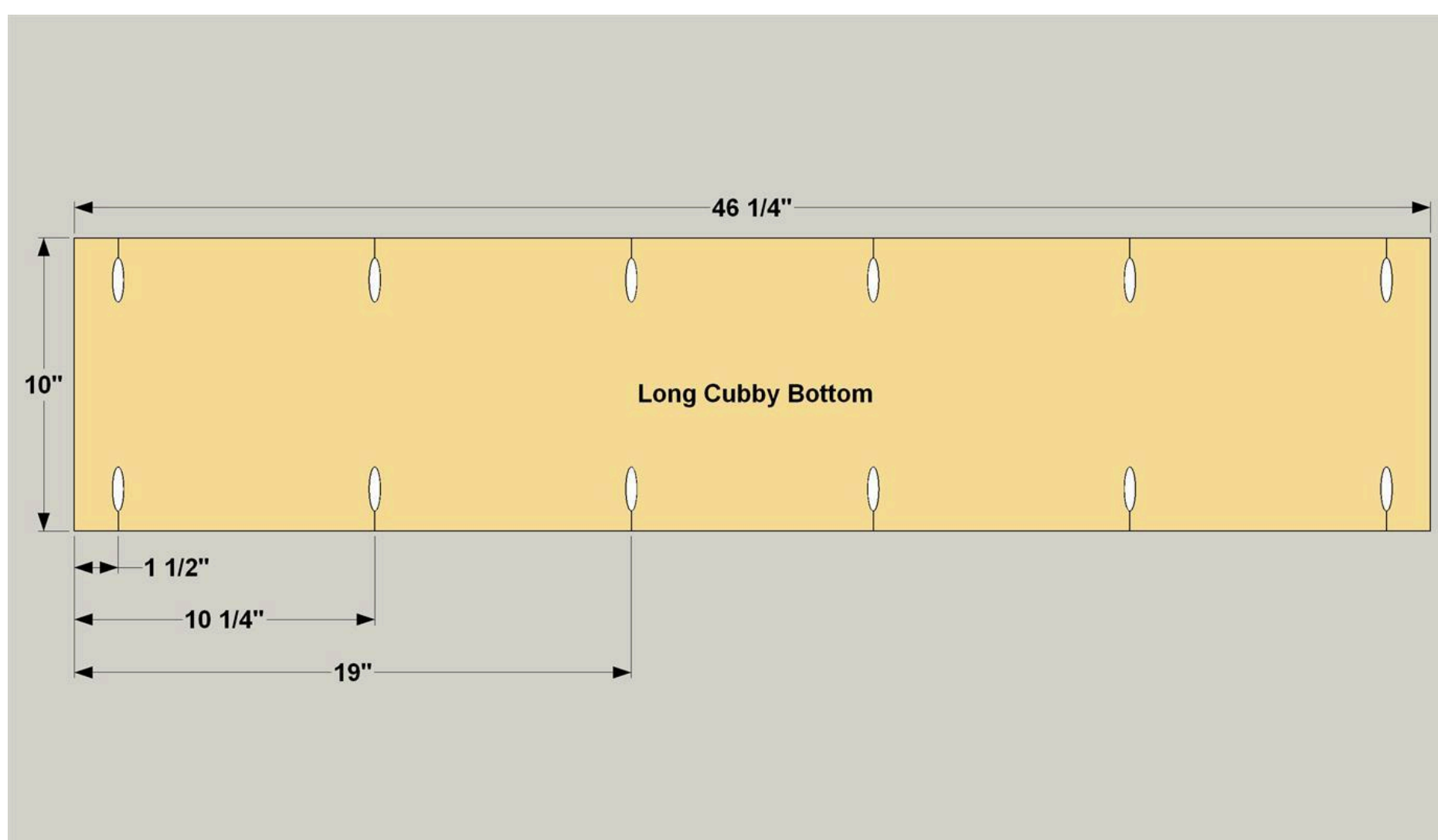## 2 Attach the Long Cubby Shelves

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.


Long Cubby Shelf

Long Cubby Shelf

5 1/2"

5 1/2"

5 1/2"

Long Cubby Divider
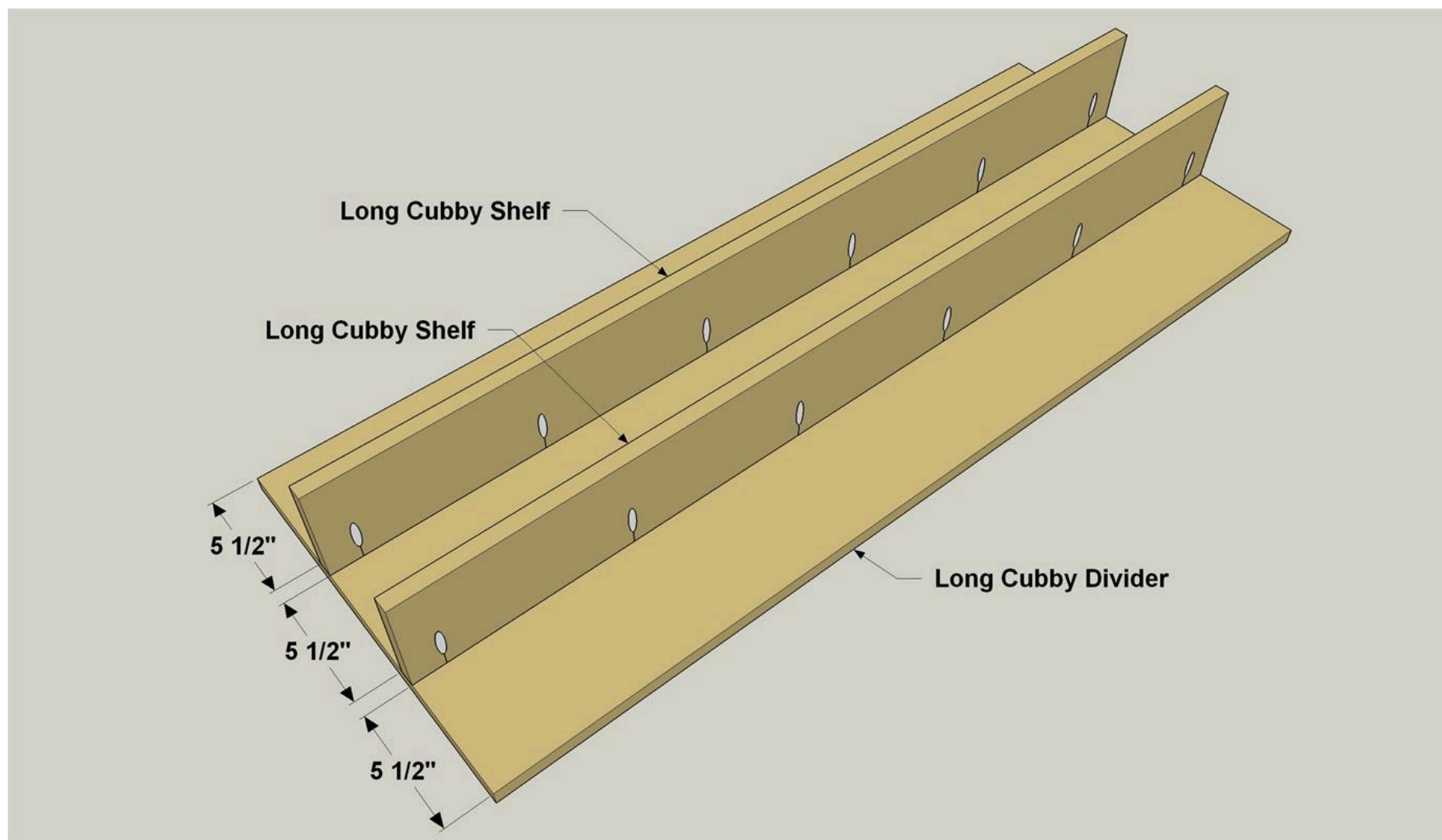
3 Make the Long Cubby Bottom

Cut the Long Cubby Bottom to size from 3/4" plywood. Then drill pocket holes where shown.


46 1/4"

10"

Long Cubby Bottom

1 1/2"

10 1/4"

19"

4 Attach the Long Cubby Bottom

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.

Long Cubby Divider

Long Cubby Bottom

5"

4 1/4"

10"
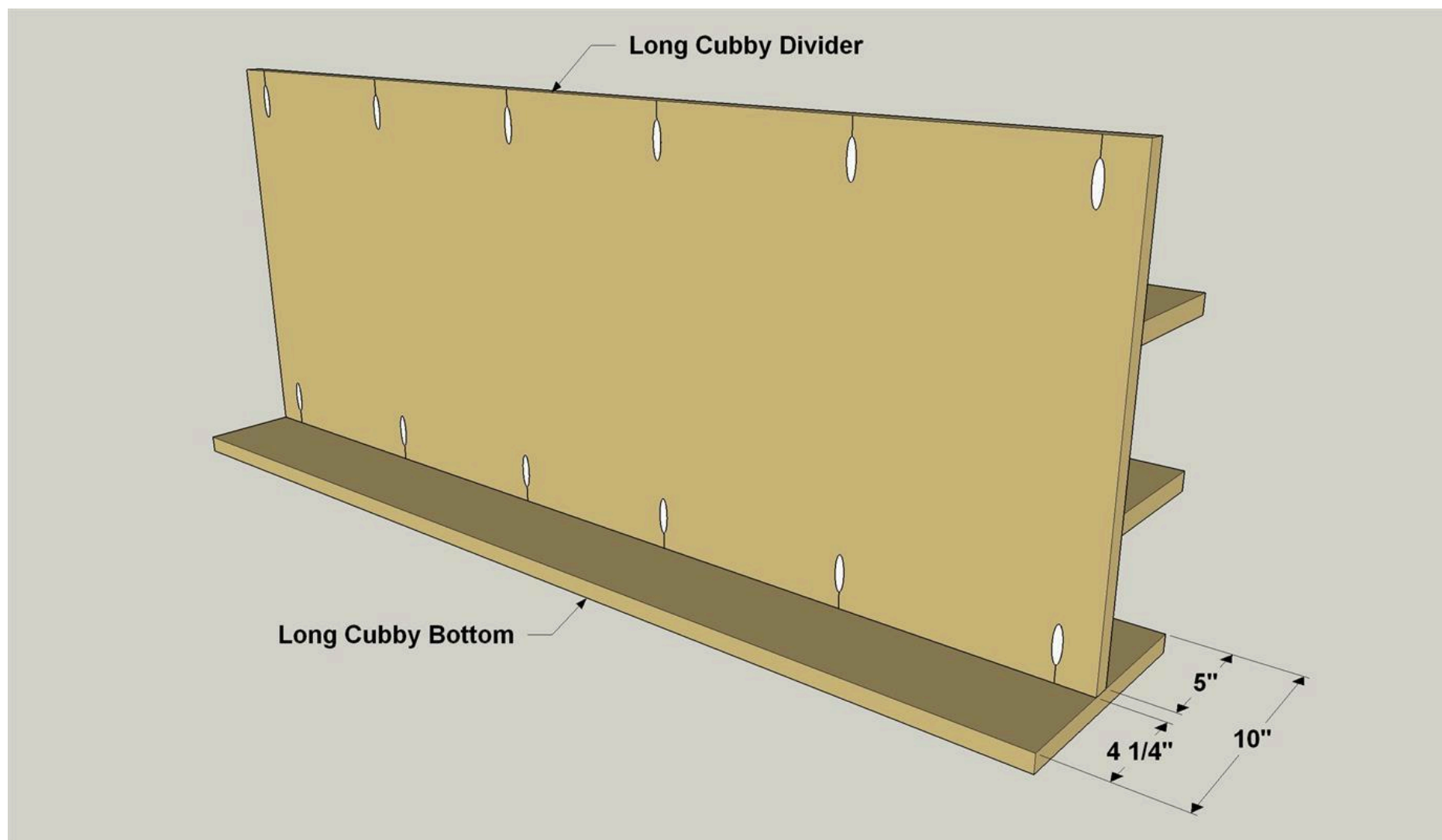
5 Make the Craft Center Back

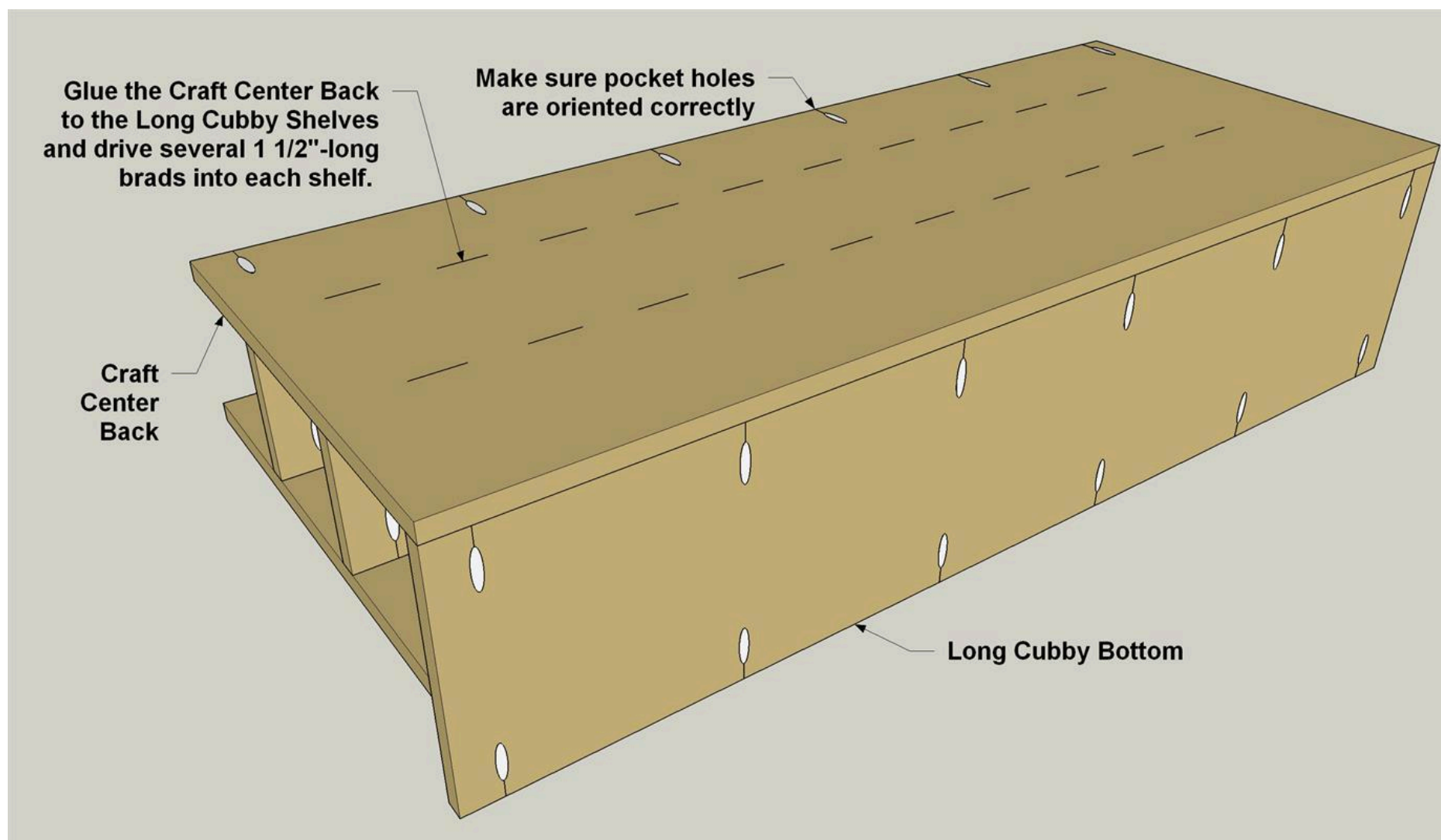Cut the Craft Center Back from 3/4" plywood, as shown in the cutting diagram, and then drill pocket holes where shown.

46 1/4"

3/4"

Craft Center Back

1 1/2"

10 1/4"

19"
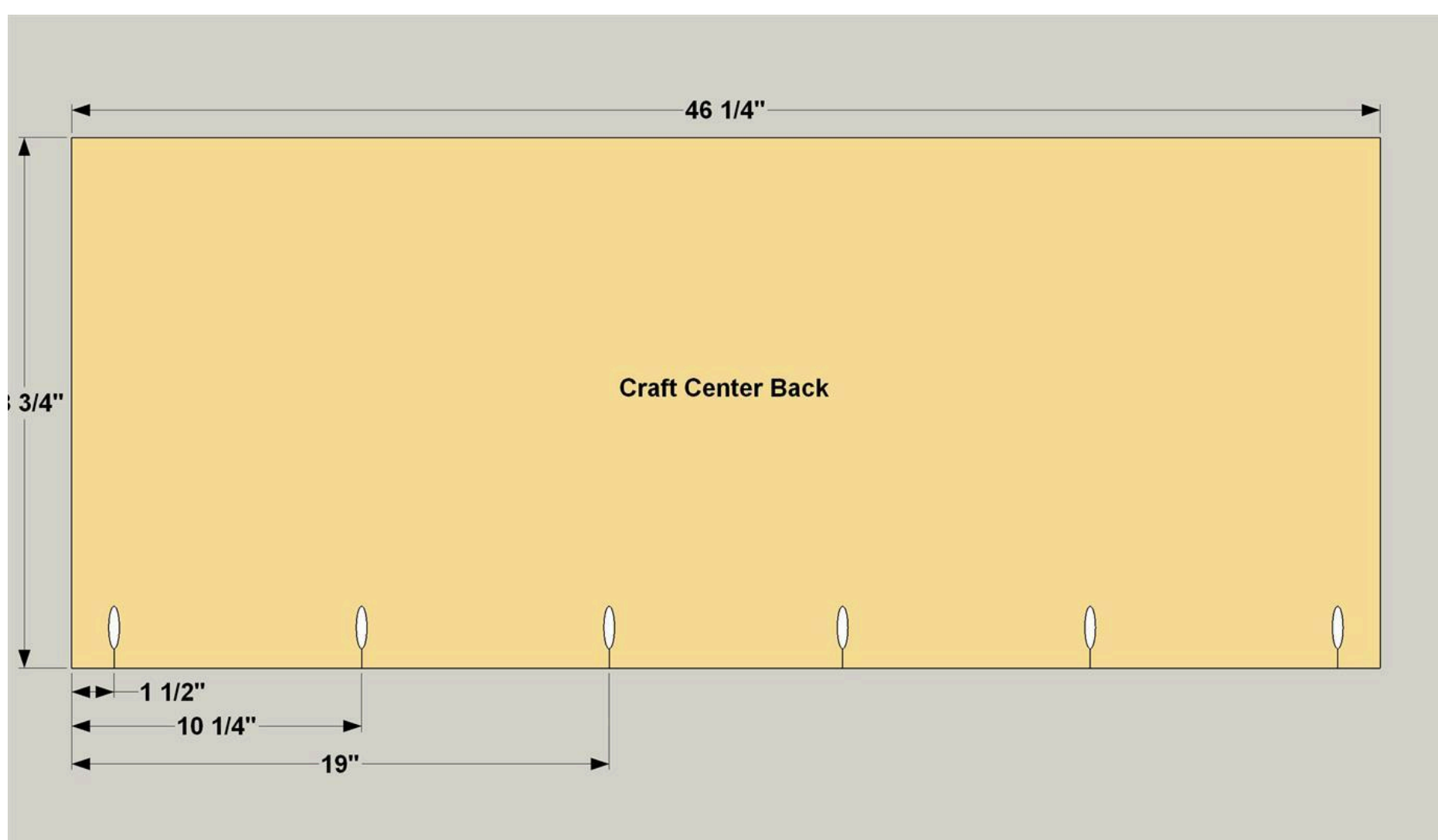
6 Attach the Craft Center Back

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.

Glue the Craft Center Back to the Long Cubby Shelves and drive several 1 1/2"-long brads into each shelf.

Make sure pocket holes are oriented correctly

Craft Center Back

Long Cubby Bottom

7 Cut Legs and a Cubby Back

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.

8 Attach Legs to the Cubby Back

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.
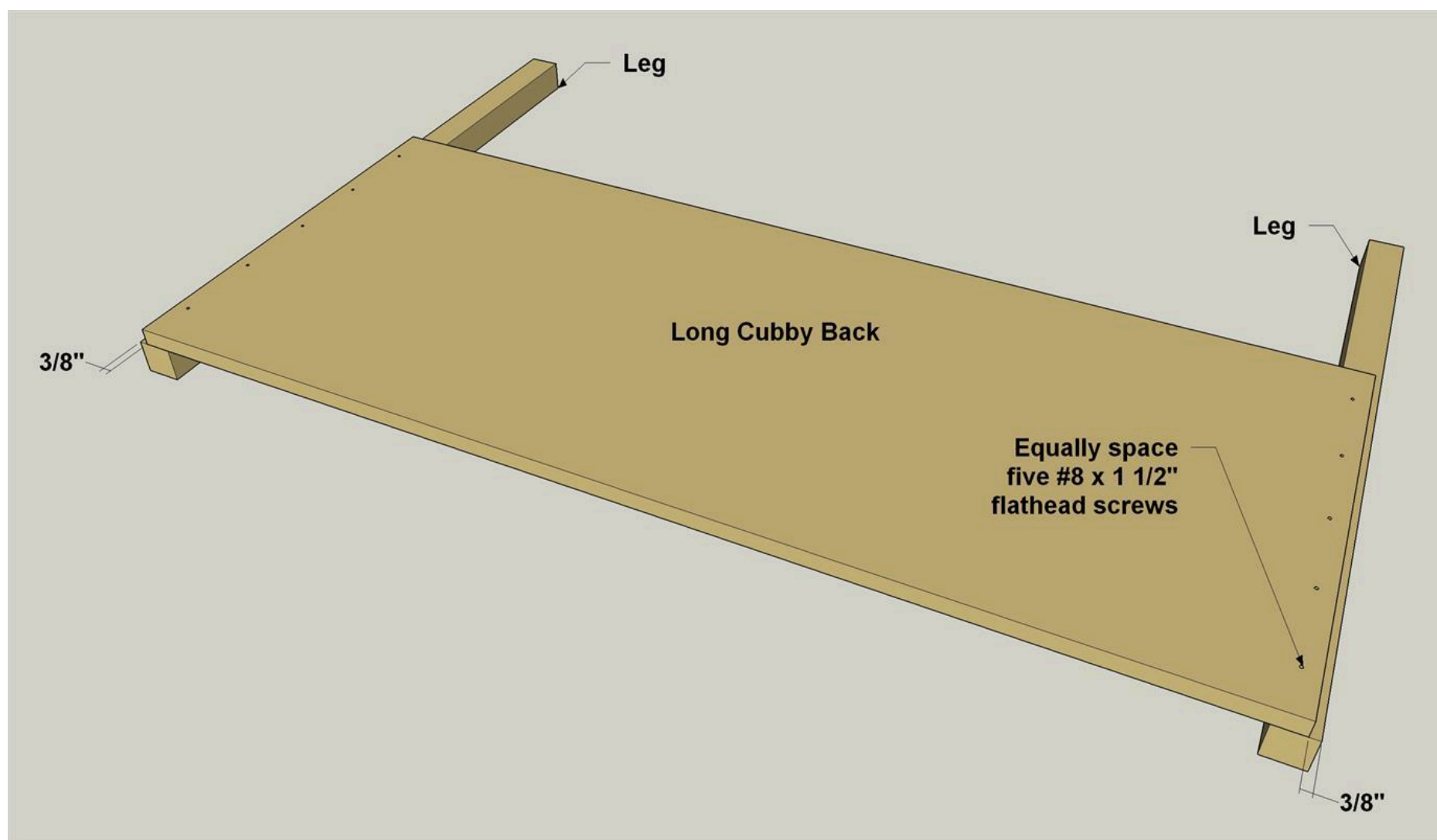
9 Make the Outside Panels

Cut two Outside Panels from 3/4" plywood. Then drill pocket holes where shown.
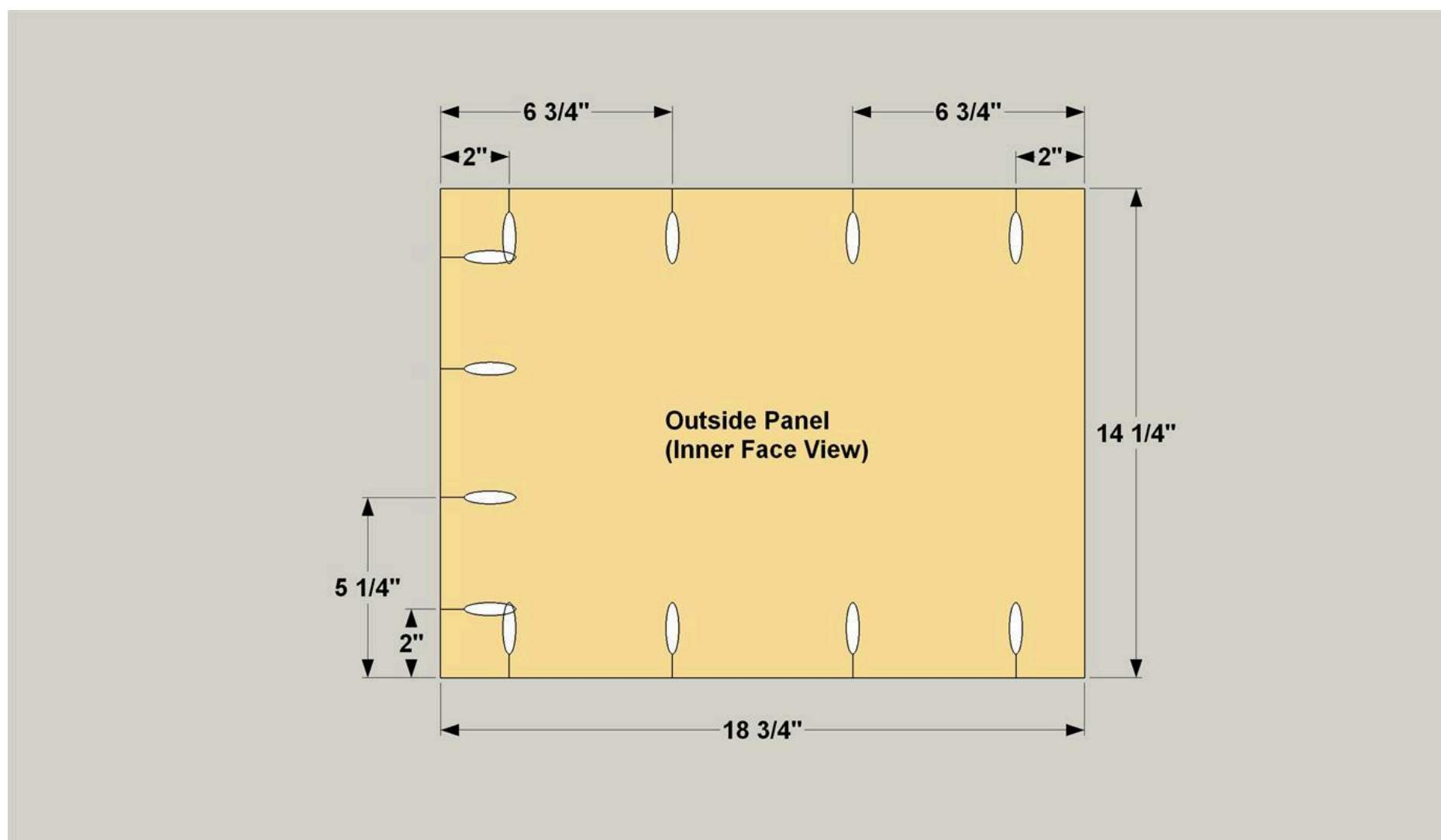
10 **Make the Drawer Slide Fillers**

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."

11 **Make a Left Leg Assembly**

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.
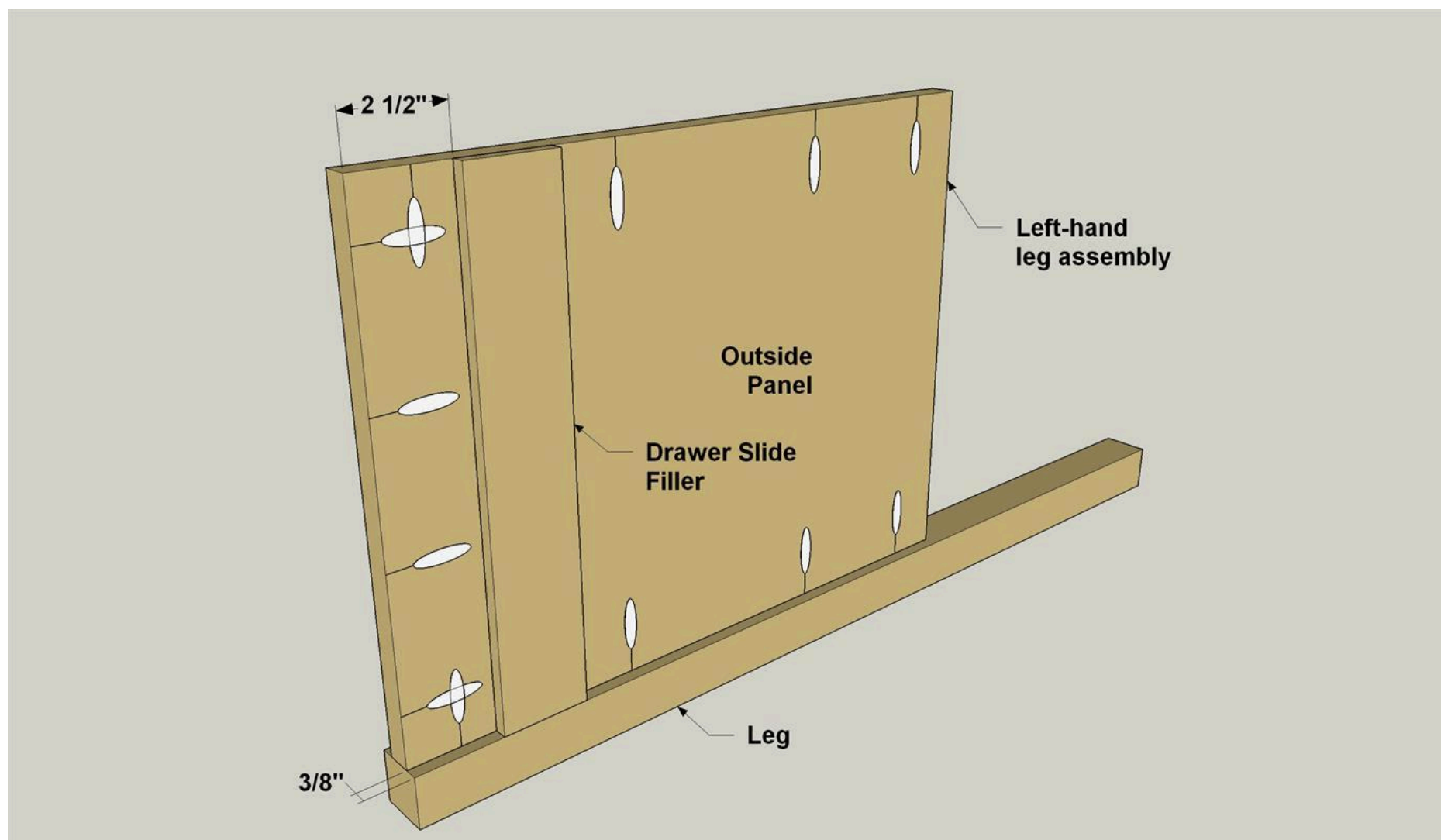
12 **Make a Right Leg Assembly**

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.
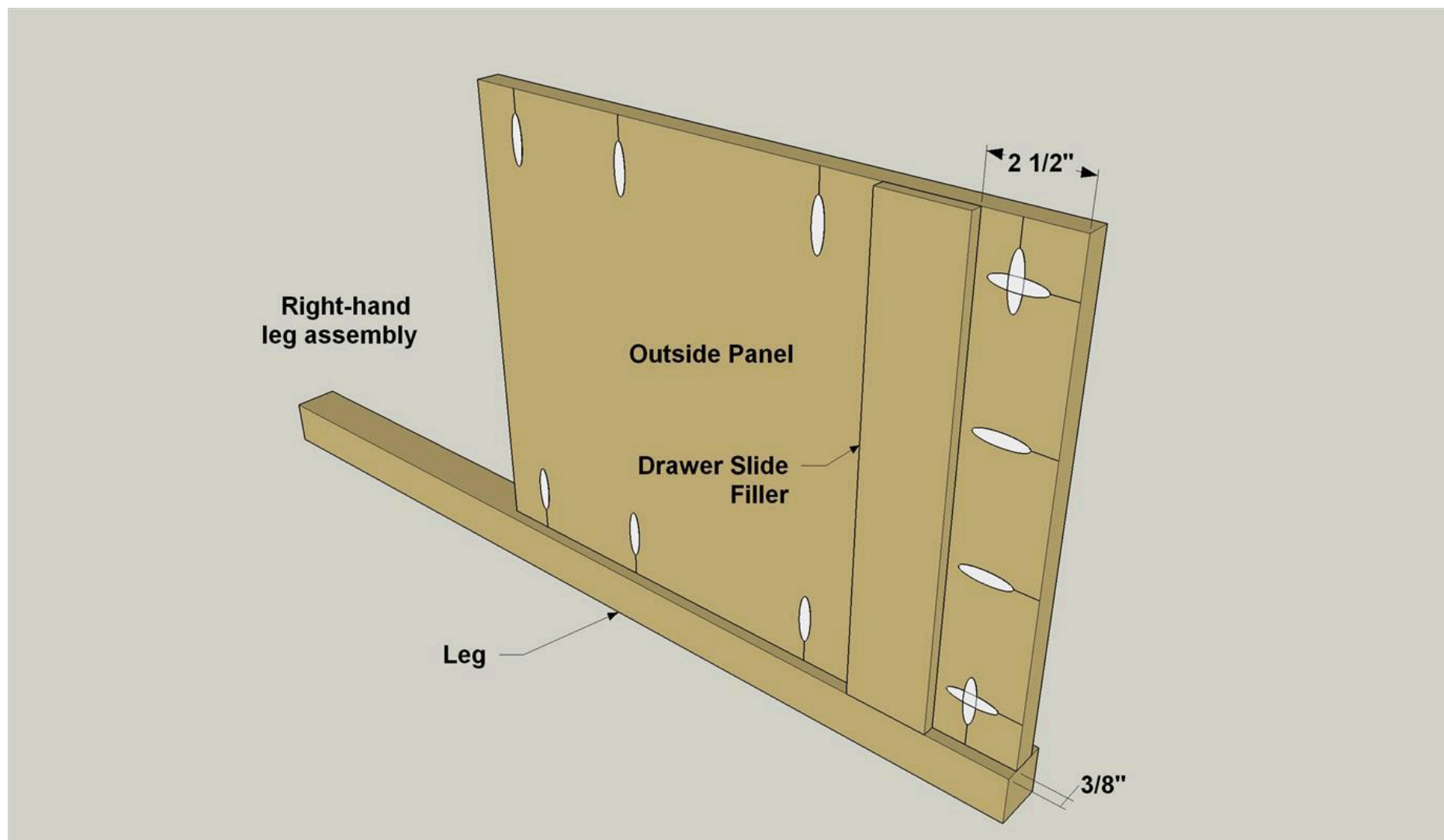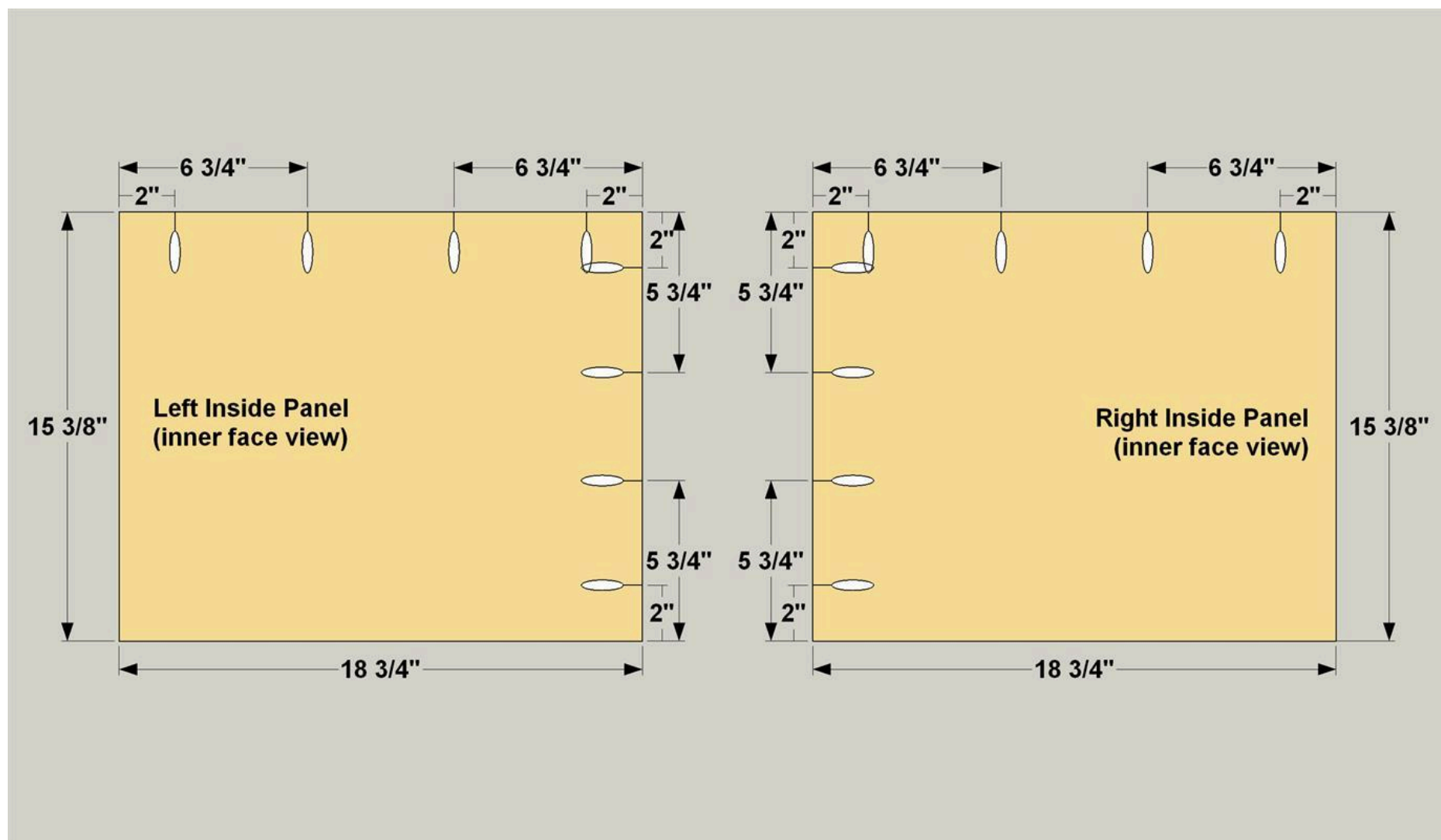
13 Create the Inside Panels

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.

14 Make the Open Cubby Bottom

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.
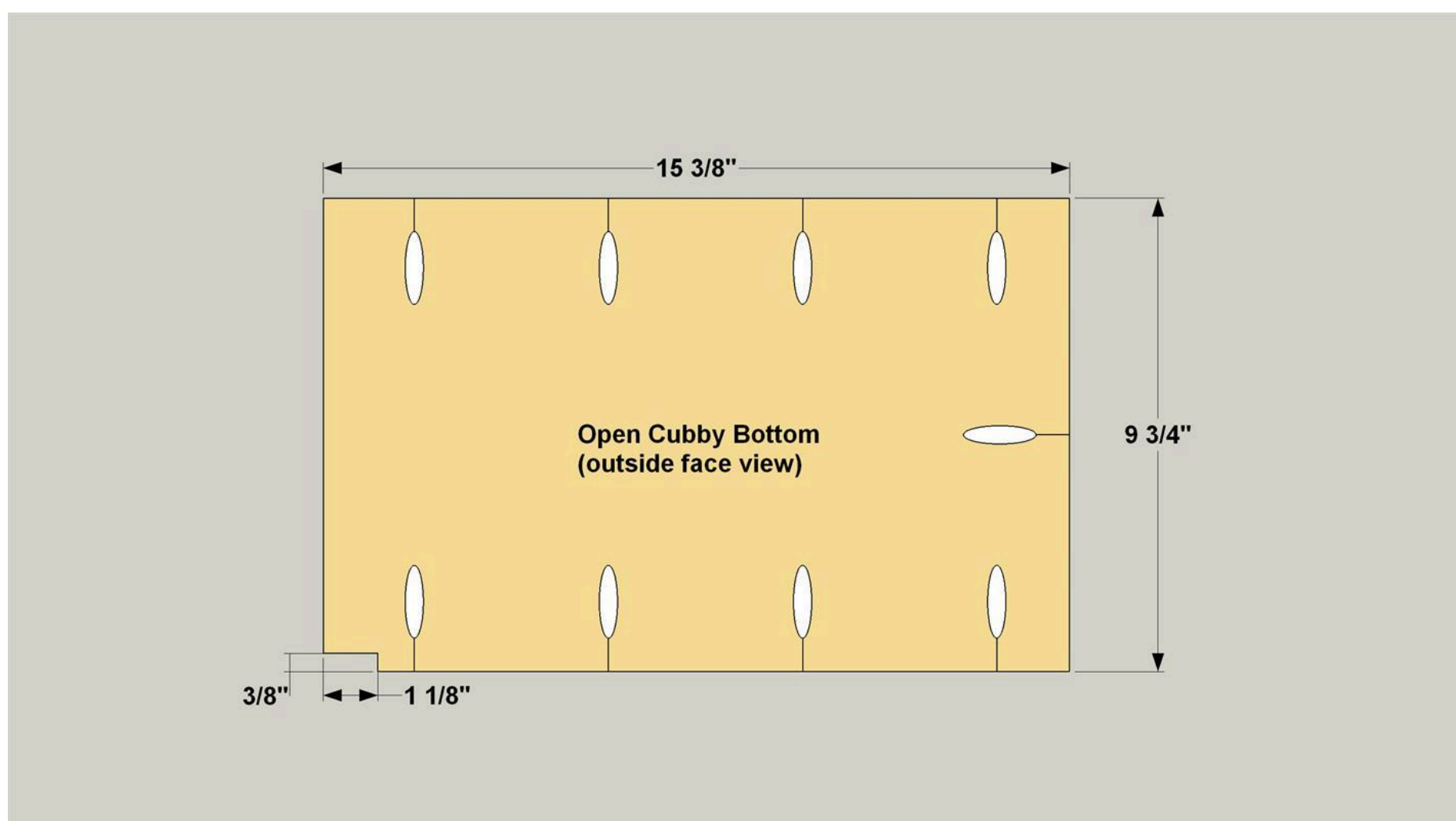
15 Assemble the Open Cubby

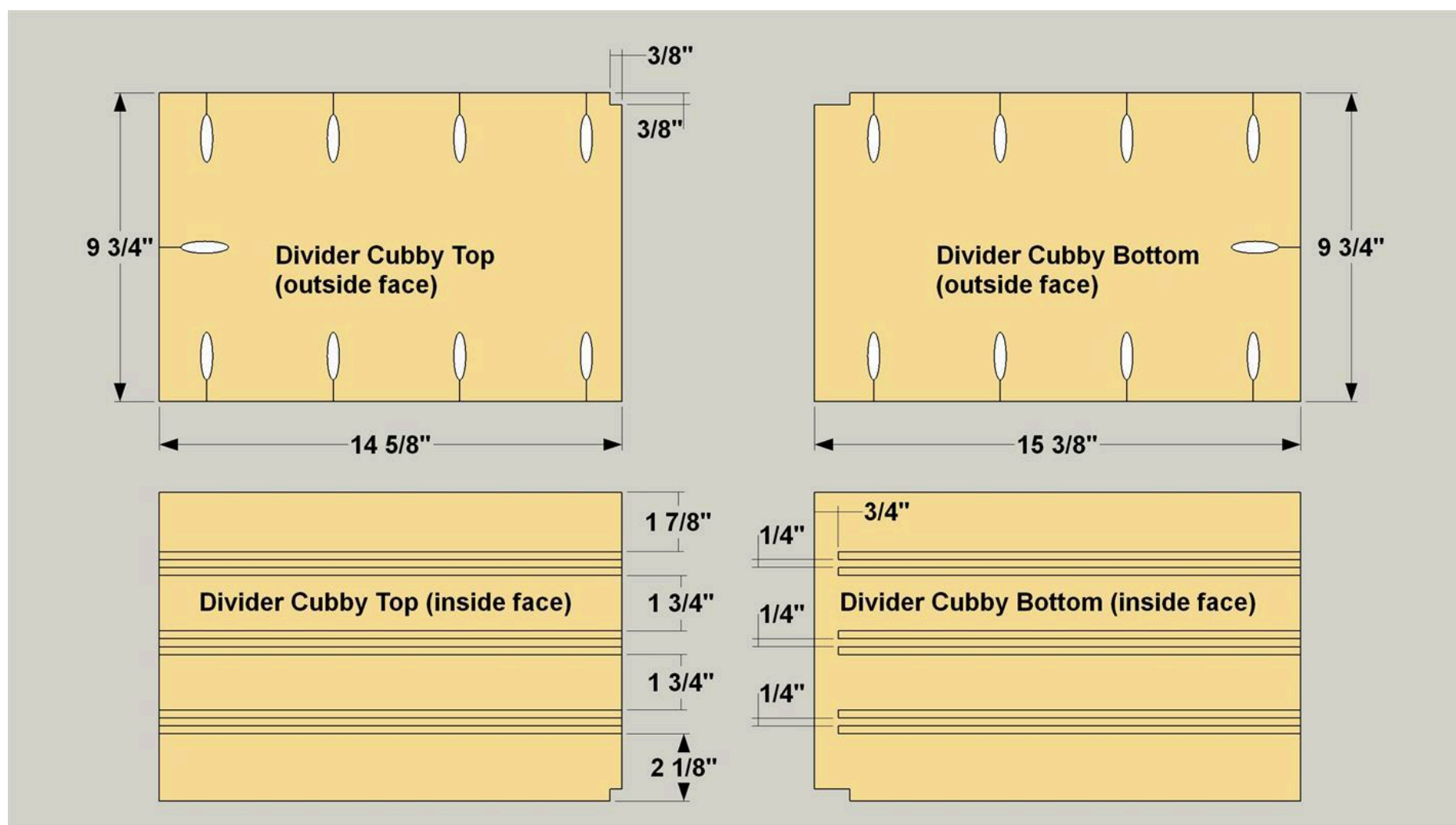Attach the Open Cubby Bottom to the Left-hand leg assembly using 1 1/4" coarse-thread pocket hole screws as shown. Position the Left Inside Panel on the assembly, as shown, so that the pocket holes are facing inward, and that the end of the Left Inside Panel that has pocket holes is facing toward the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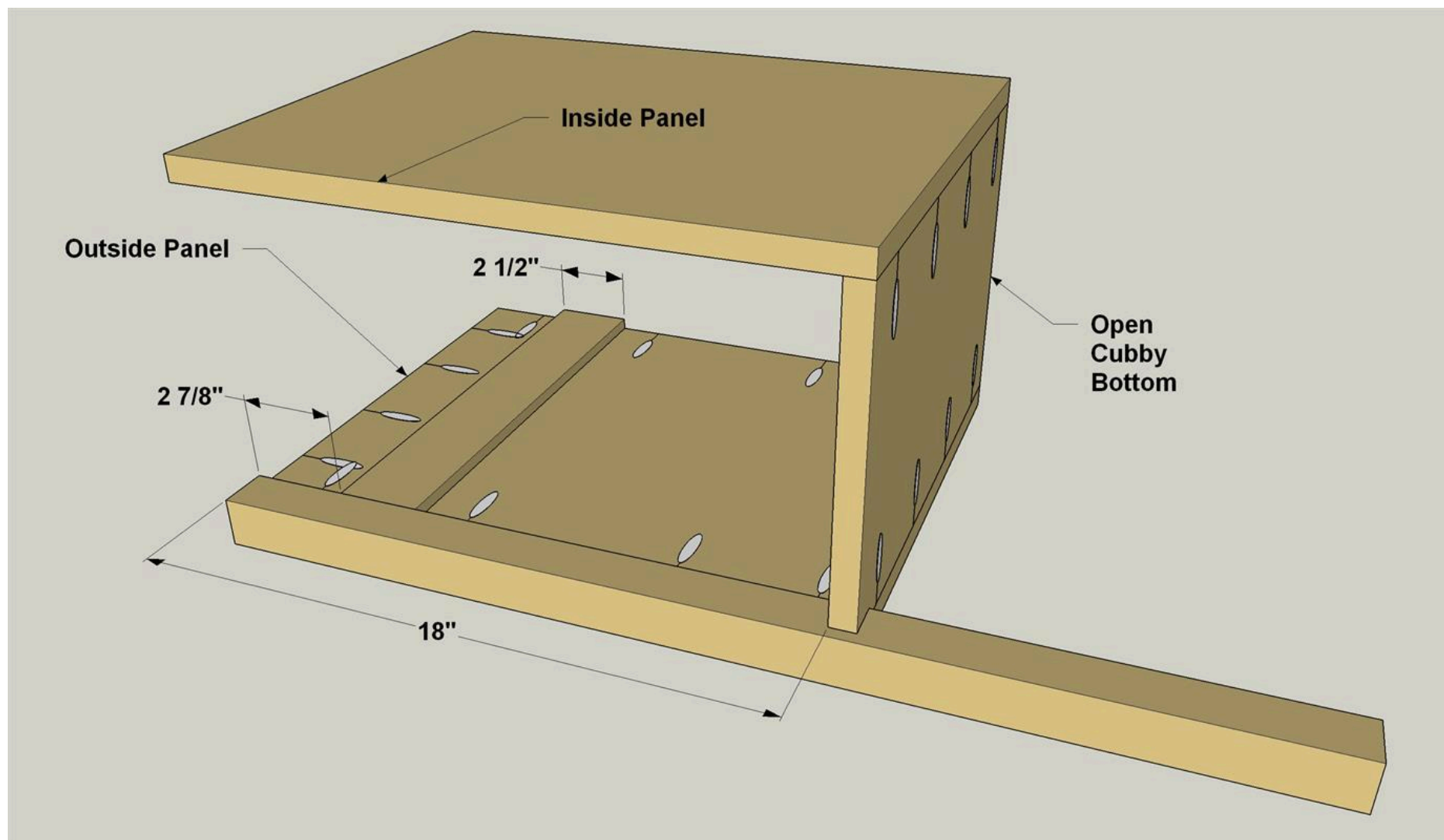
16 Make the Divider Cubby Parts

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.

3/8"

3/8"

9 3/4"

**Divider Cubby Top
(outside face)**

**Divider Cubby Bottom
(outside face)**

9 3/4"

14 5/8"

15 3/8"

Divider Cubby Top (inside face)

1 7/8"

1 3/4"

1 3/4"

2 1/8"

1/4"

3/4"

1/4"

Divider Cubby Bottom (inside face)

1/4"

17 Assemble the Divider Cubby

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.
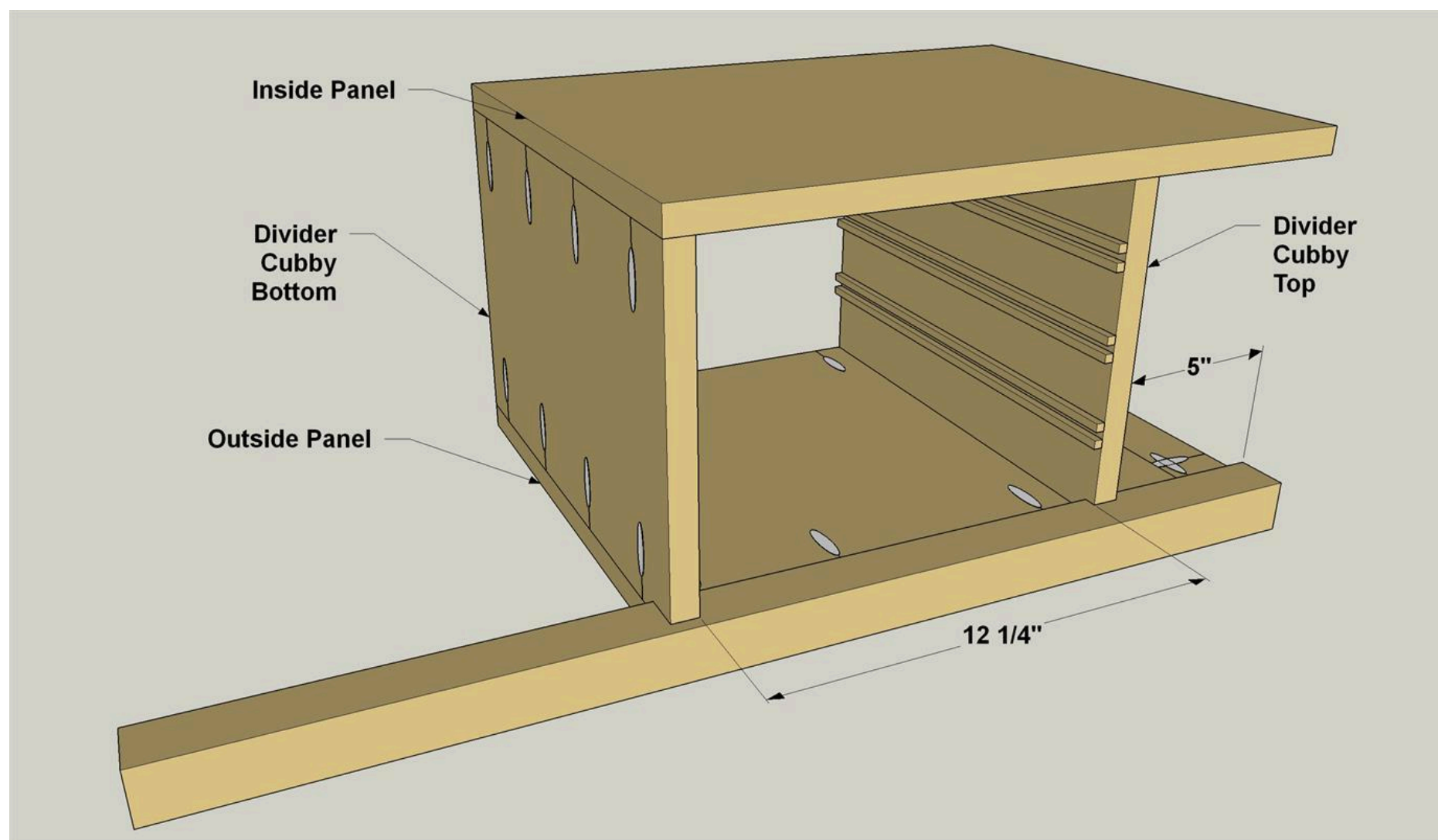

18 Cut the Top and Wing

Cut one Craft Center Top and one Craft Center Wing to size from 3/4" MDF, as shown in the cutting diagram.
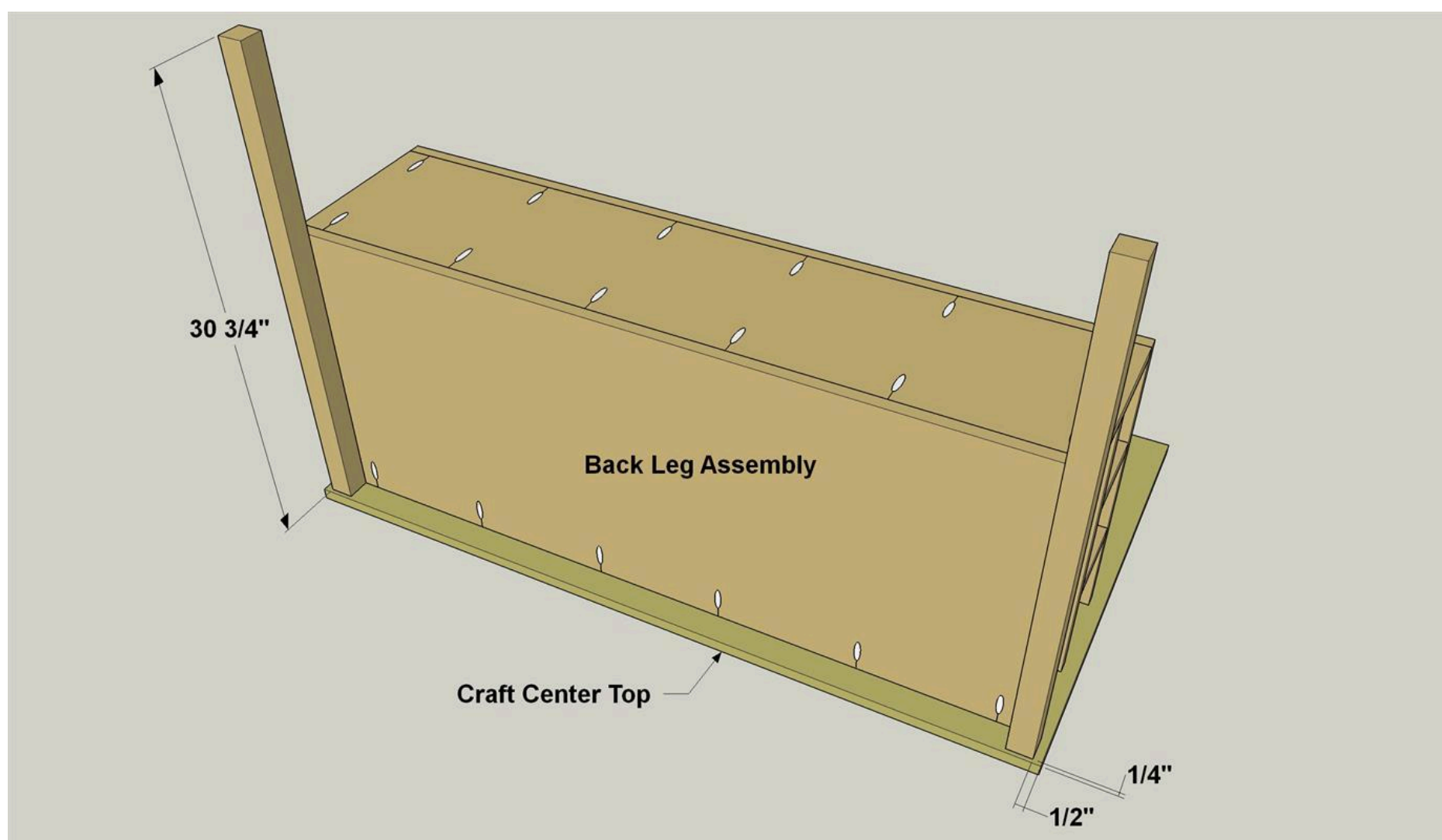
19 Attach the Long Cubby Assembly

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.


Long Cubby Bottom

Craft Center Top
(shown upside down)

Craft Center Back

16 1/4"

48"

6 3/4"

7/8"
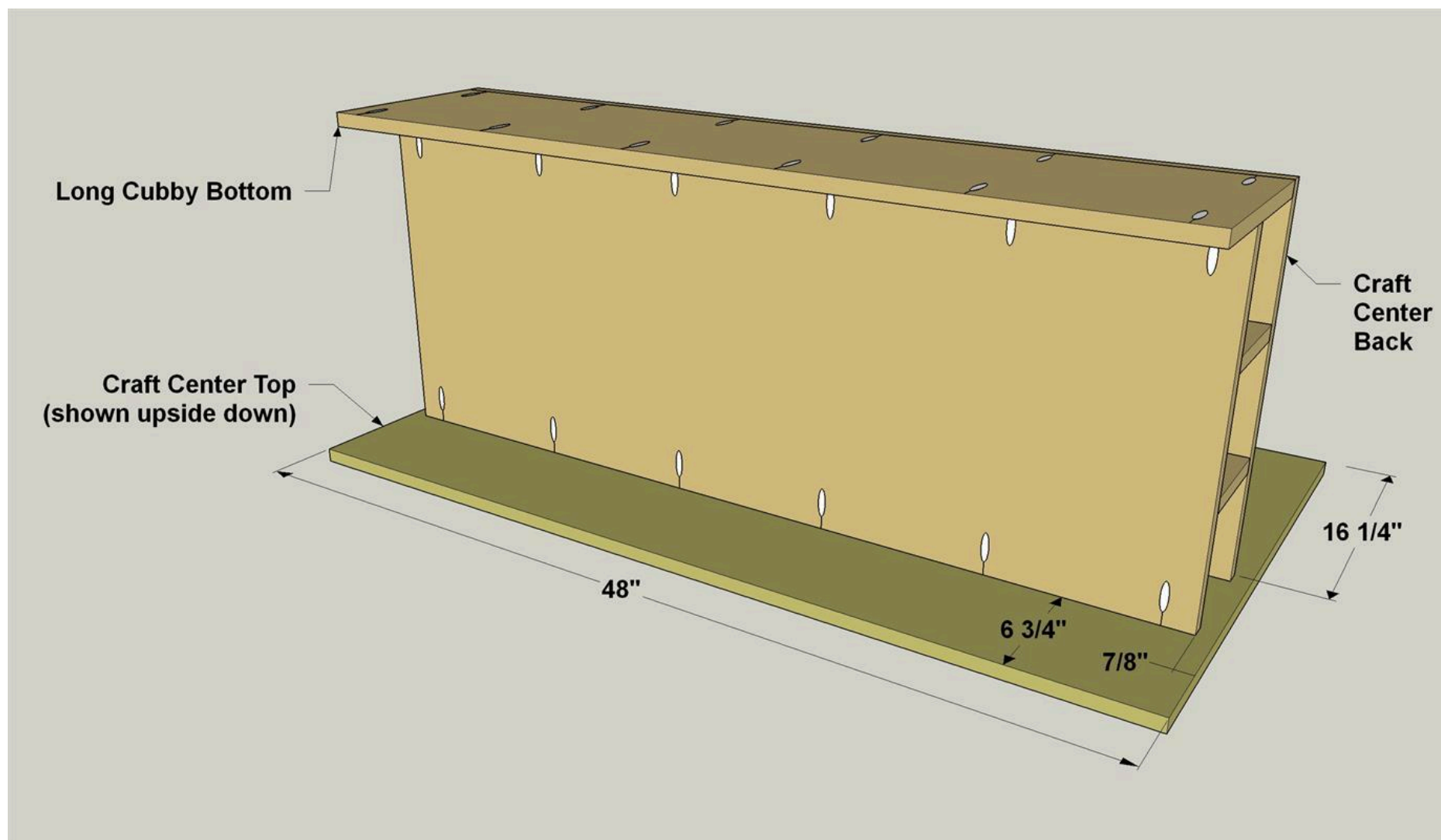
20 Attach the Back Leg Assembly

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

30 3/4"

Back Leg Assembly

Craft Center Top

1/4"

1/2"

21 Attach Front Cubby Assemblies

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.
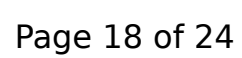
22 **Make Wing Legs and Stretchers**

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.
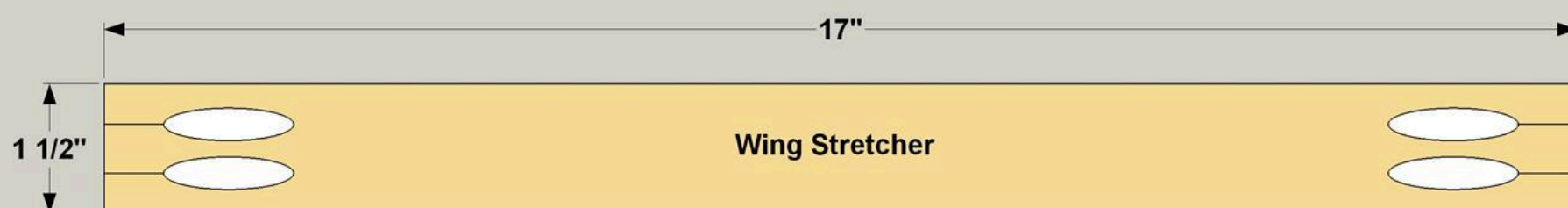

23 **Assemble the Wing Supports**

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. Repeat with other Wing Assembly
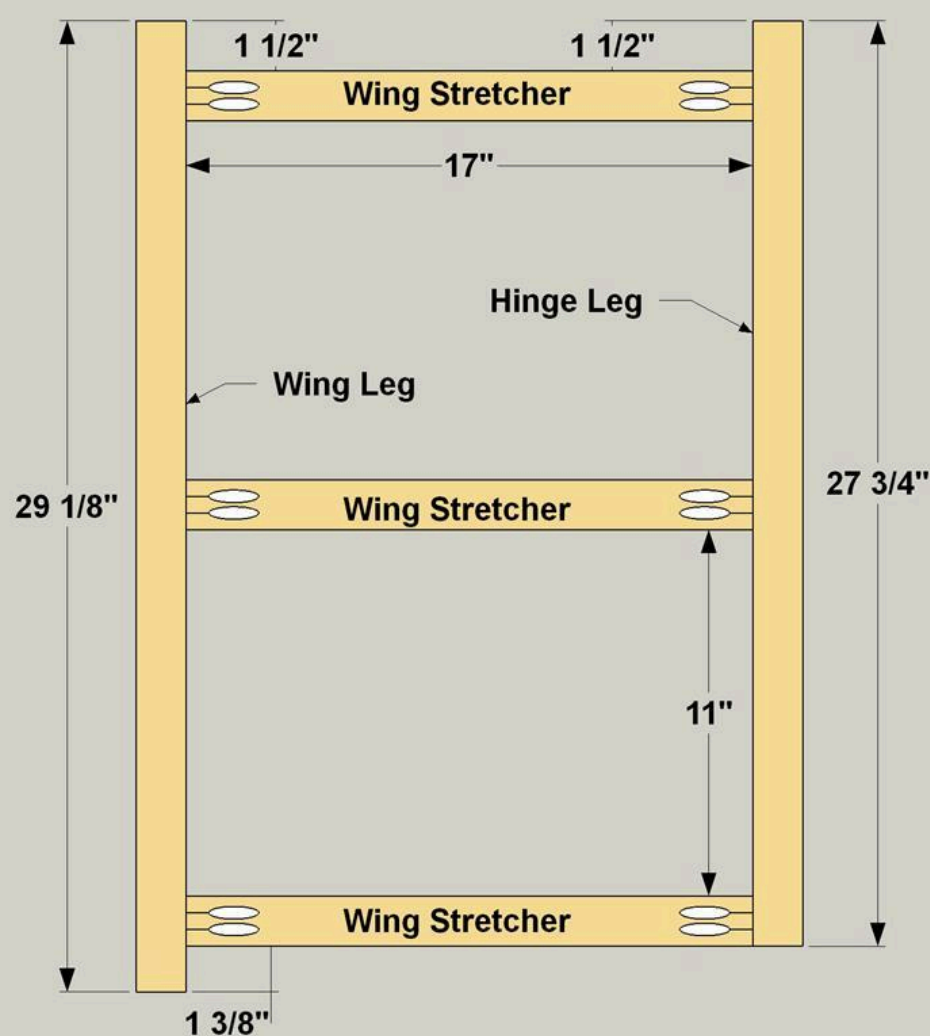
24 Attach the Wing Supports

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.
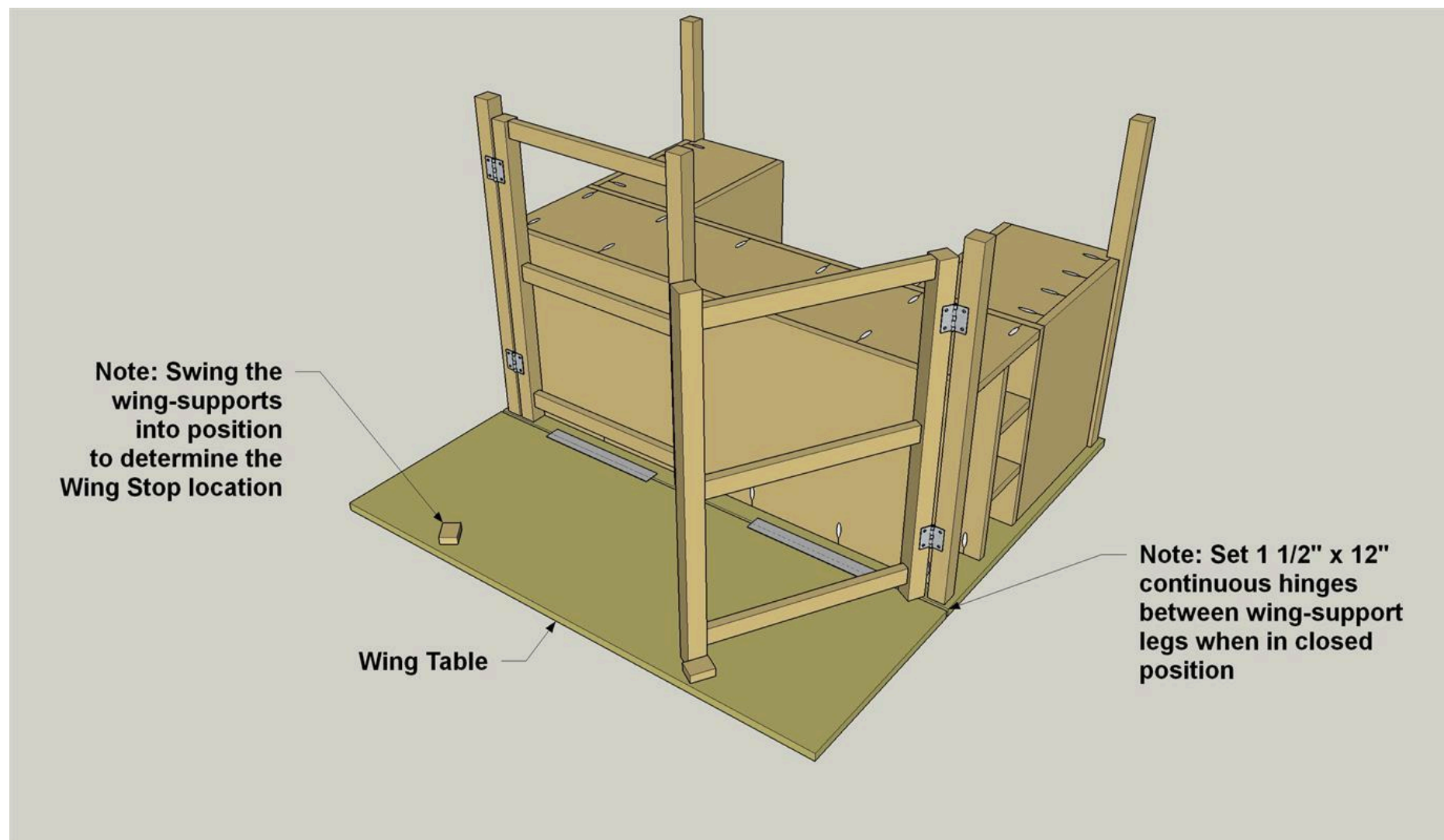

5"

5"

Note: Place a Nickel
under all four legs
before attaching hinges
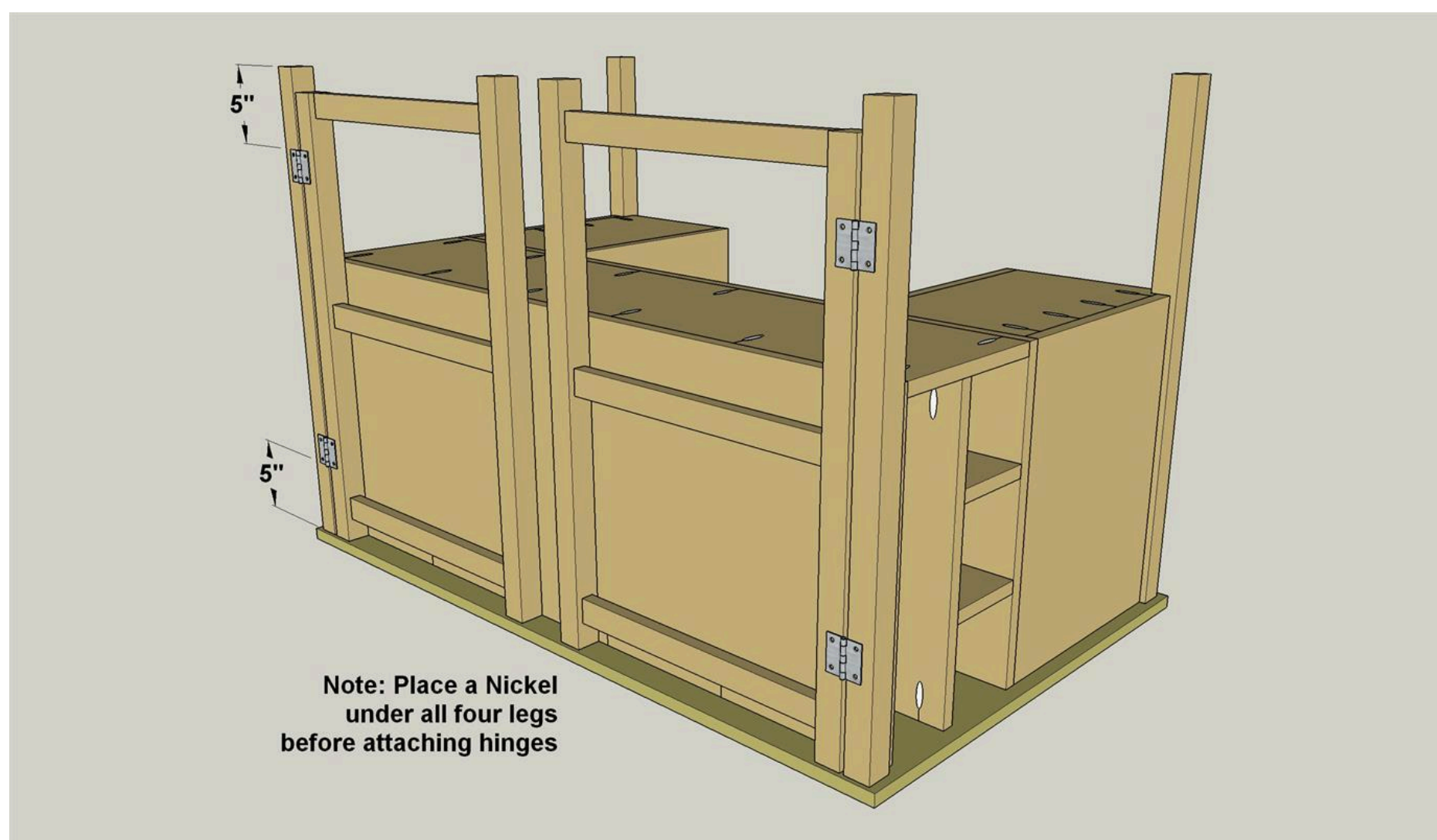
25 Attach the Wing

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

Wing Table

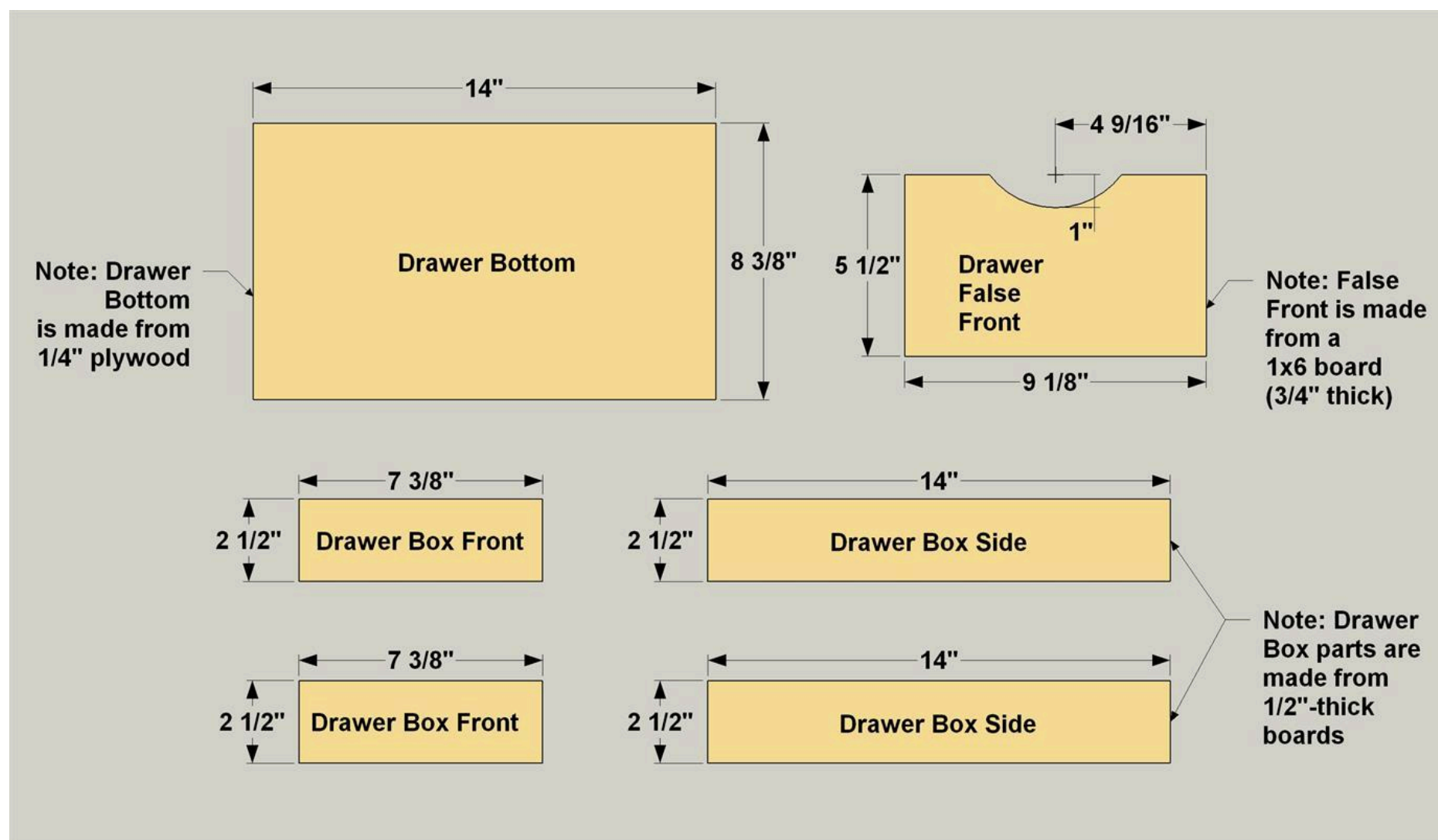Note: Set 1 1/2" x 12" continuous hinges between wing-support legs when in closed position

26 Make Cubby Dividers

Cut three Cubby Dividers from 1/4" plywood, as shown. Then test fit the Dividers by sliding them in place between the Divider Guides.
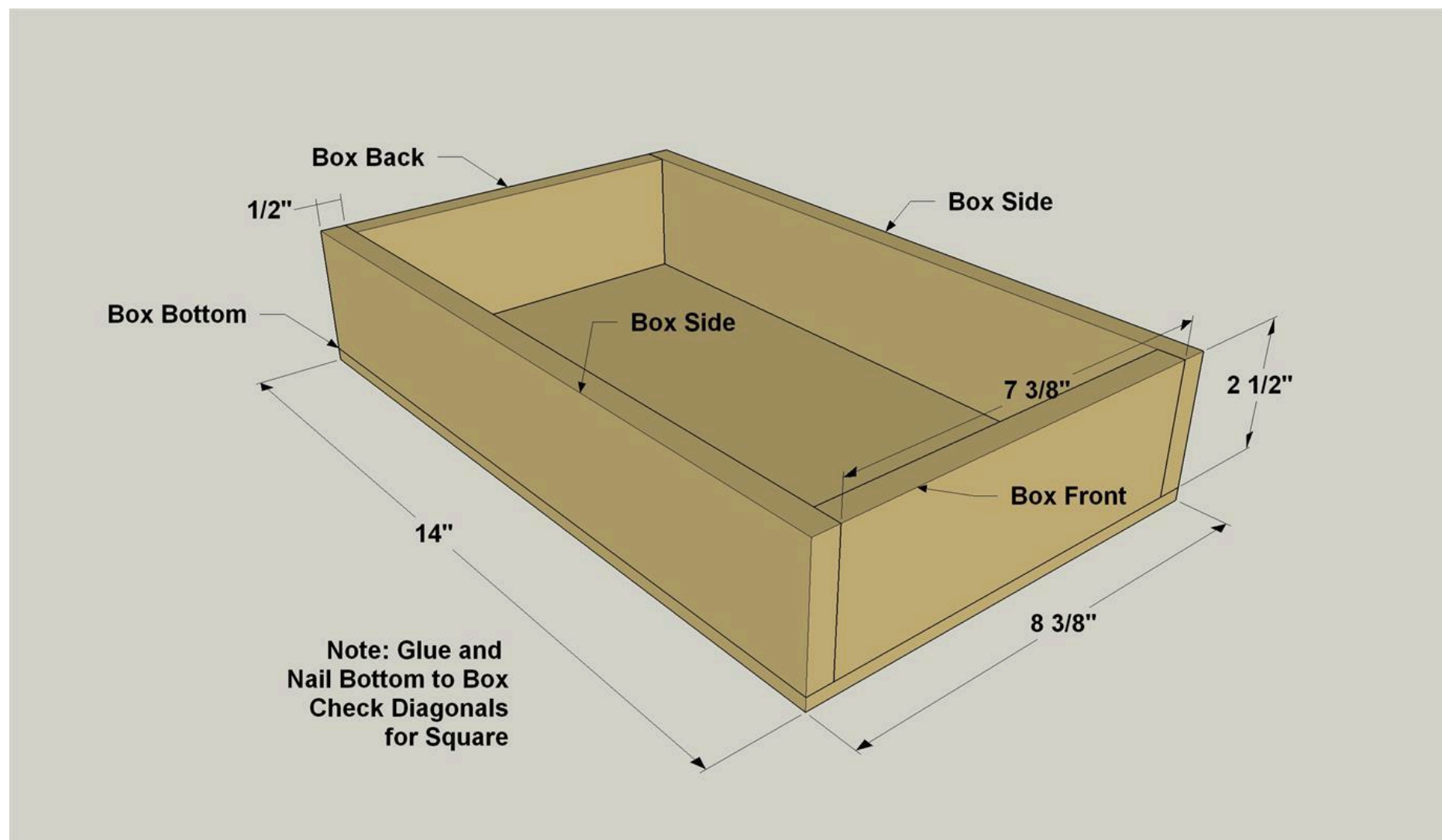
27 **Make the Drawer Parts**

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.

Note: Drawer Bottom is made from 1/4" plywood

14"

Drawer Bottom

8 3/8"

4 9/16"

1"

5 1/2"

Drawer False Front

9 1/8"

Note: False Front is made from a 1x6 board (3/4" thick)

7 3/8"

2 1/2" Drawer Box Front

14"

2 1/2" Drawer Box Side

7 3/8"

2 1/2" Drawer Box Front

14"

2 1/2" Drawer Box Side

Note: Drawer Box parts are made from 1/2"-thick boards

28 Assemble the Drawer Boxes

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.

Box Back

Box Side

1/2"

Box Bottom

Box Side

7 3/8"

2 1/2"

14"

Box Front

8 3/8"

Note: Glue and
Nail Bottom to Box
Check Diagonals
for Square

29 Attach the Drawer Fronts

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.
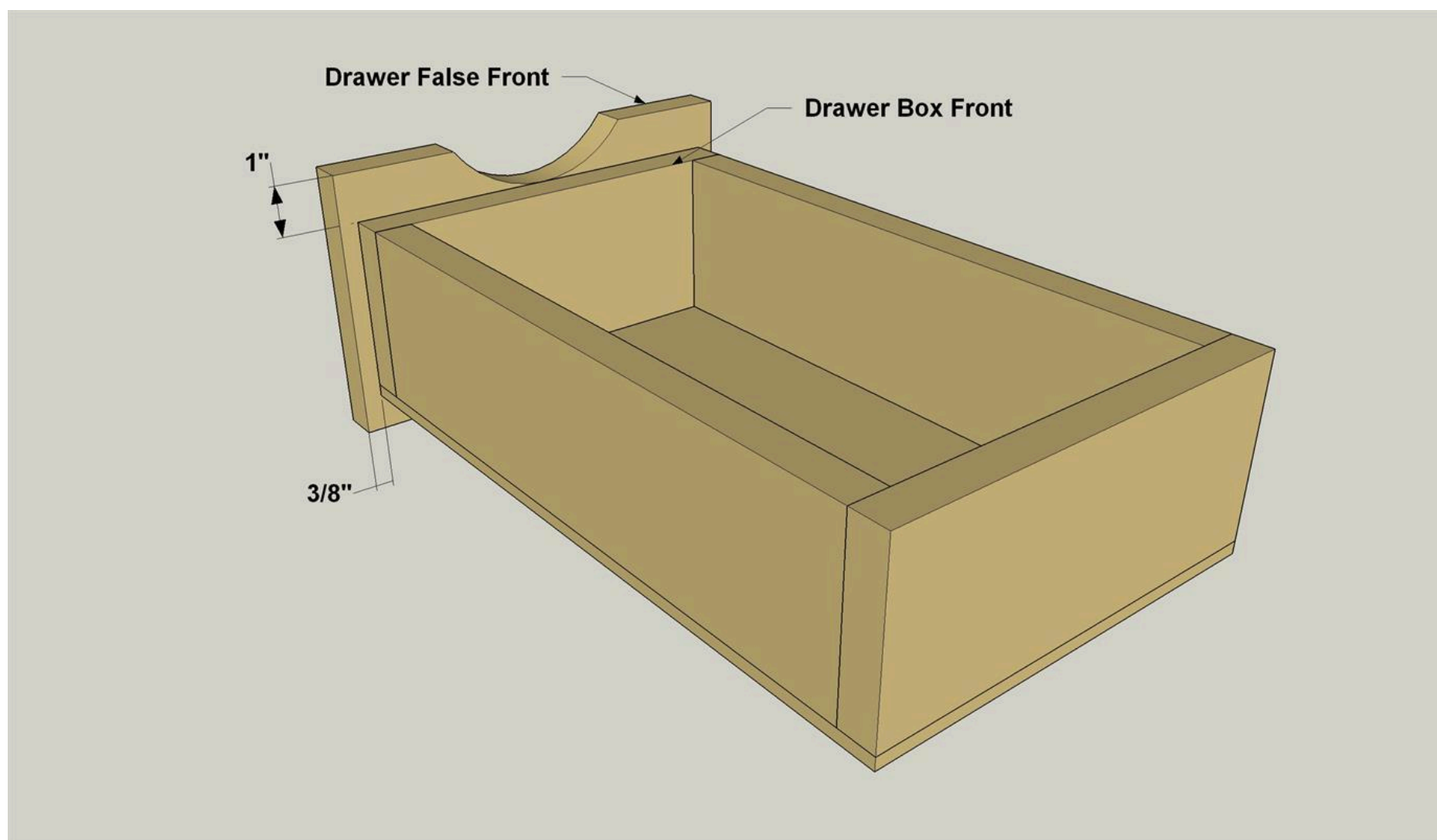
30 Add a Finish and Drawer Slides

With everything almost done, you can sand your craft table as needed—especially the exposed edges. Then apply the paint or stain of your choice. We decided to simple 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!