

DO-IT-YOURSELF ROLLING KITCHEN ISLAND



MATERIALS:

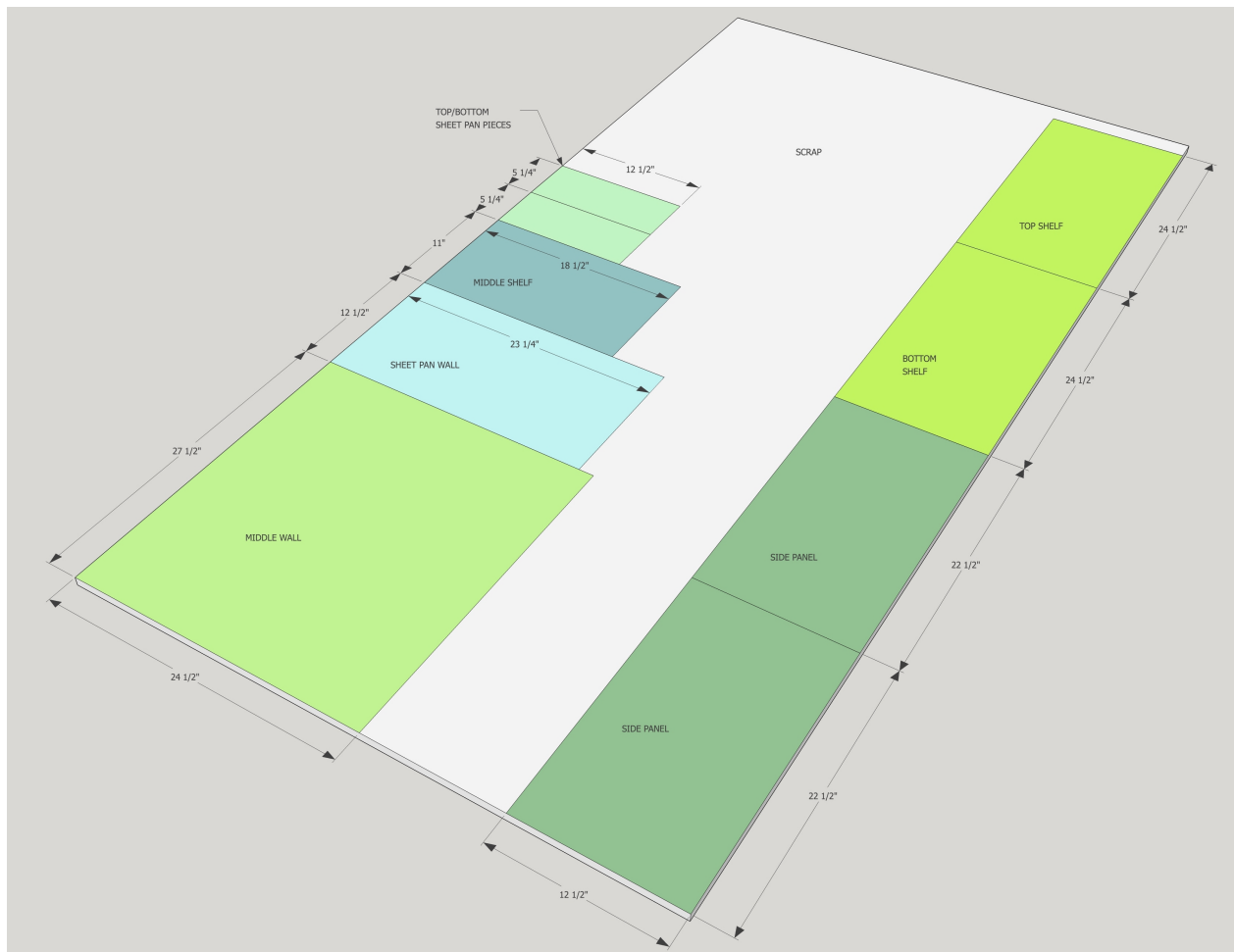
- (4) 2x2x8 Ft. Boards
- (1) 1x4x8 Ft. Board
- (1) 18 1/2 inches of 1x2 Ft. Board
- (1) 4 Ft. x 8 Ft. Sheet of 3/4-inch Thick Plywood
- (1) 2 Ft. x 4 Ft. Sheet of 1/4-inch Thick Plywood
- (1) 1 1/2-inch Thick Butcher Block
- (4) 2-inch Swivel Casters
- (4) 5/16-inch Tee Nuts
- 2 1/2-inch Pocket Hole Screws
- 1 1/4-inch Pocket Hole Screws
- Wood Glue, Wood Filler, 150- and 220-Grit Sandpaper

TOOLS:

- Tape Measure
- Carpenter's Square
- Pencil
- Drill with 5/16 Drill Bit
- Circular Saw
- Table Saw or Router with 1/4-inch Channel Bit
- Pocket Hole Jig
- Mallet
- Sander
- Clamps

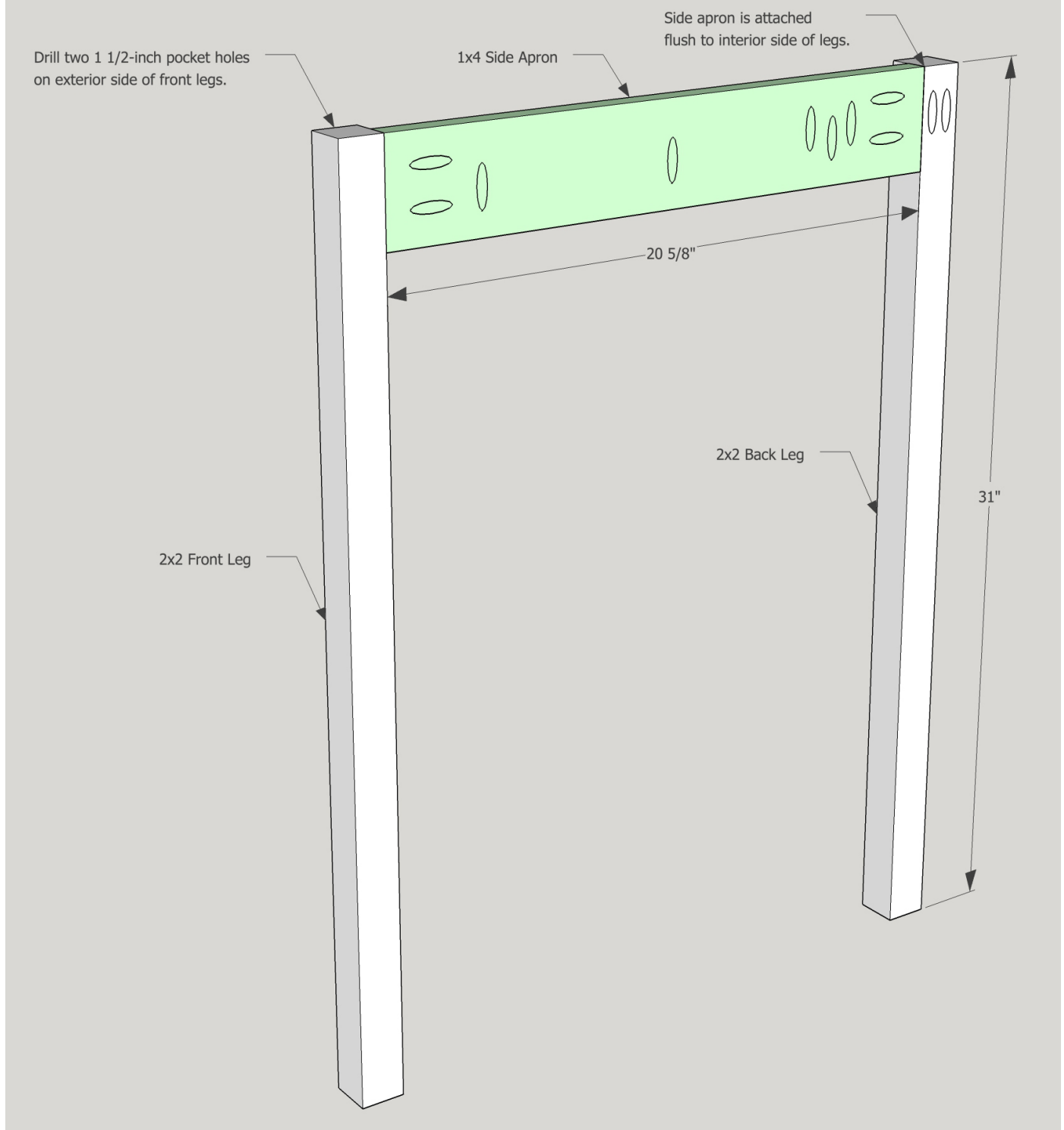
CUT LIST:

- (4) 2 x 2 @ 31 inches (legs)
- (2) 1 x 4 @ 20 5/8 inches (side aprons)
- (4) 2 x 2 @ 20 5/8 inches (side rails)
- (2) 2 x 2 @ 22 ½ inches (side stiles)
- (2) 2 x 2 @ 6 5/8 inches (side rail detail)
- (2) ¾-inch plywood @ 22 ½ inches x 12 ½ inches (side panels)
- (1) ¾-inch plywood @ 27 ½ inches x 24 ½ inches (middle wall)
- (1) 2 x 2 @ 24 ½ inches (stretcher)
- (1) ¾-inch plywood @ 24 ½ inches x 12 ½ inches (bottom shelf)
- (1) 2 x 2 @ 24 ½ inches (bottom shelf trim)
- (2) ¼-inch plywood @ 21 ½ inches x 12 ½ inches (sheet pan dividers)
- (2) ¾-inch plywood @ 12 ½ inches x 5 ¼ inches (top/bottom sheet pan grooved pieces)
- (1) ¾-inch plywood @ 23 ¼ inches x 12 ½ inches (sheet pan wall)
- (1) ¾-inch plywood @ 18 ½ inches x 11 inches (middle shelf)
- (1) 1 x 2 @ 18 ½ inches (middle shelf trim)
- (1) ¾-inch plywood @ 24 ½ inches x 12 ½ inches (top shelf)
- (1) 2 x 2 @ 24 ½ inches (top shelf trim)
- (1) butcher block @ 29 ½ inches x 25 5/8 inches (top)



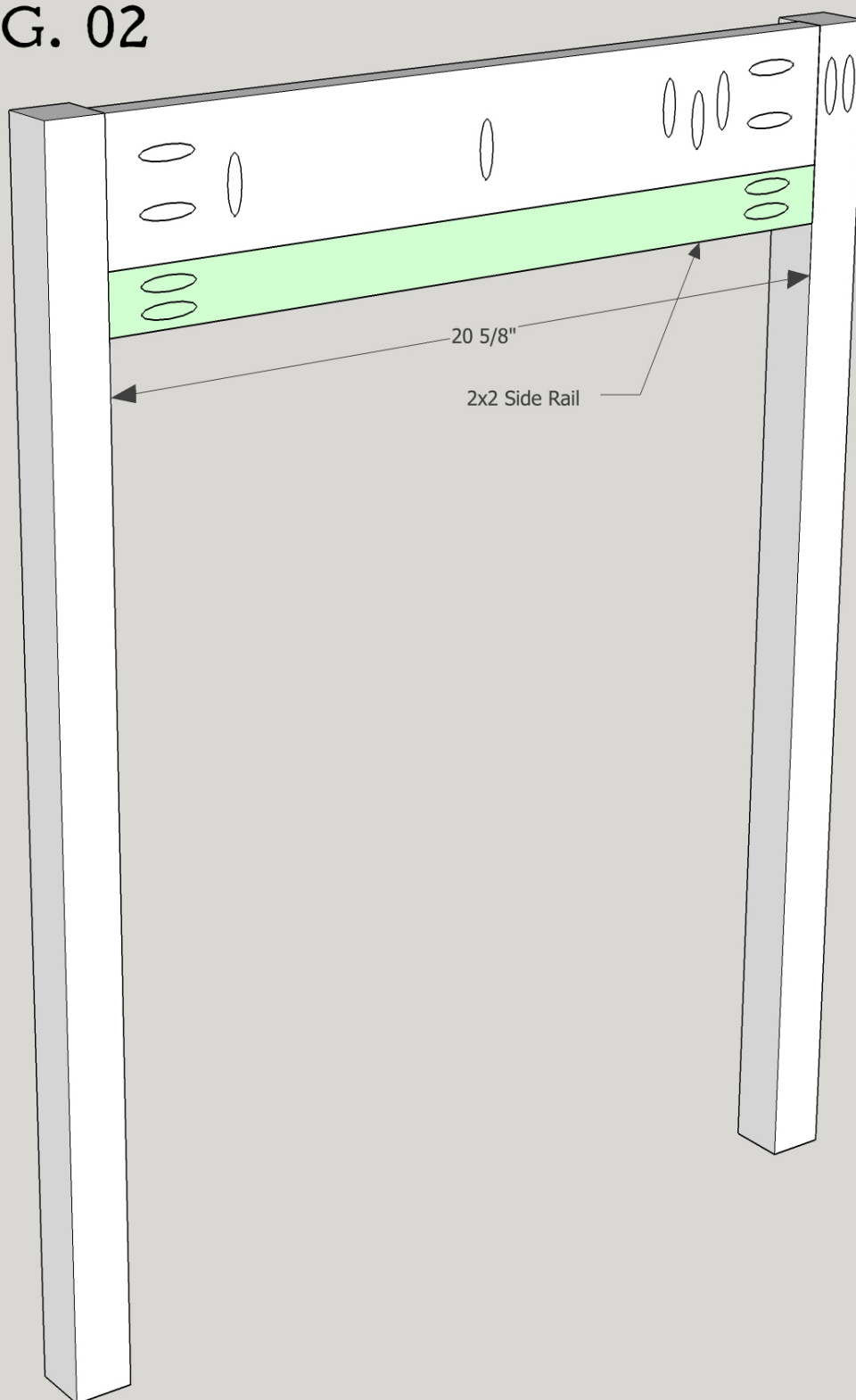
STEP 1

Cut the legs and side aprons to size. Drill $\frac{3}{4}$ -inch pocket holes into the side aprons as shown. Drill $1\frac{1}{2}$ -inch pocket holes into legs as shown. Attach side aprons to legs with $1\frac{1}{4}$ -inch pocket hole screws. Notice that the aprons are flush to the interior side of the legs.

FIG. 01

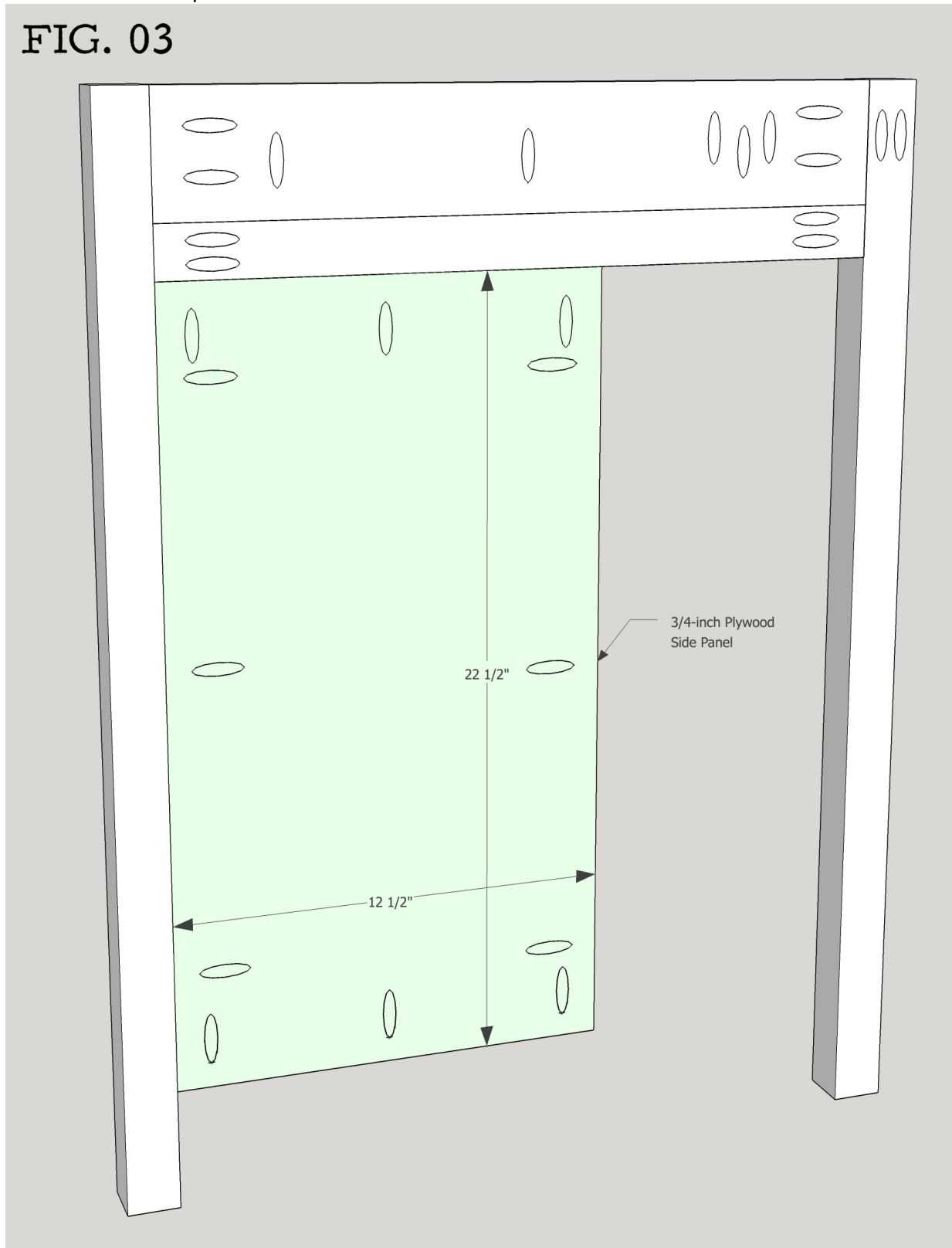
STEP 2:

Cut side rails to length, drill 1 ½-inch pocket holes as shown and attach to legs with 2 ½-inch pocket hole screws. Attach side aprons to side rails with 1 ¼-inch pocket hole screws.

FIG. 02

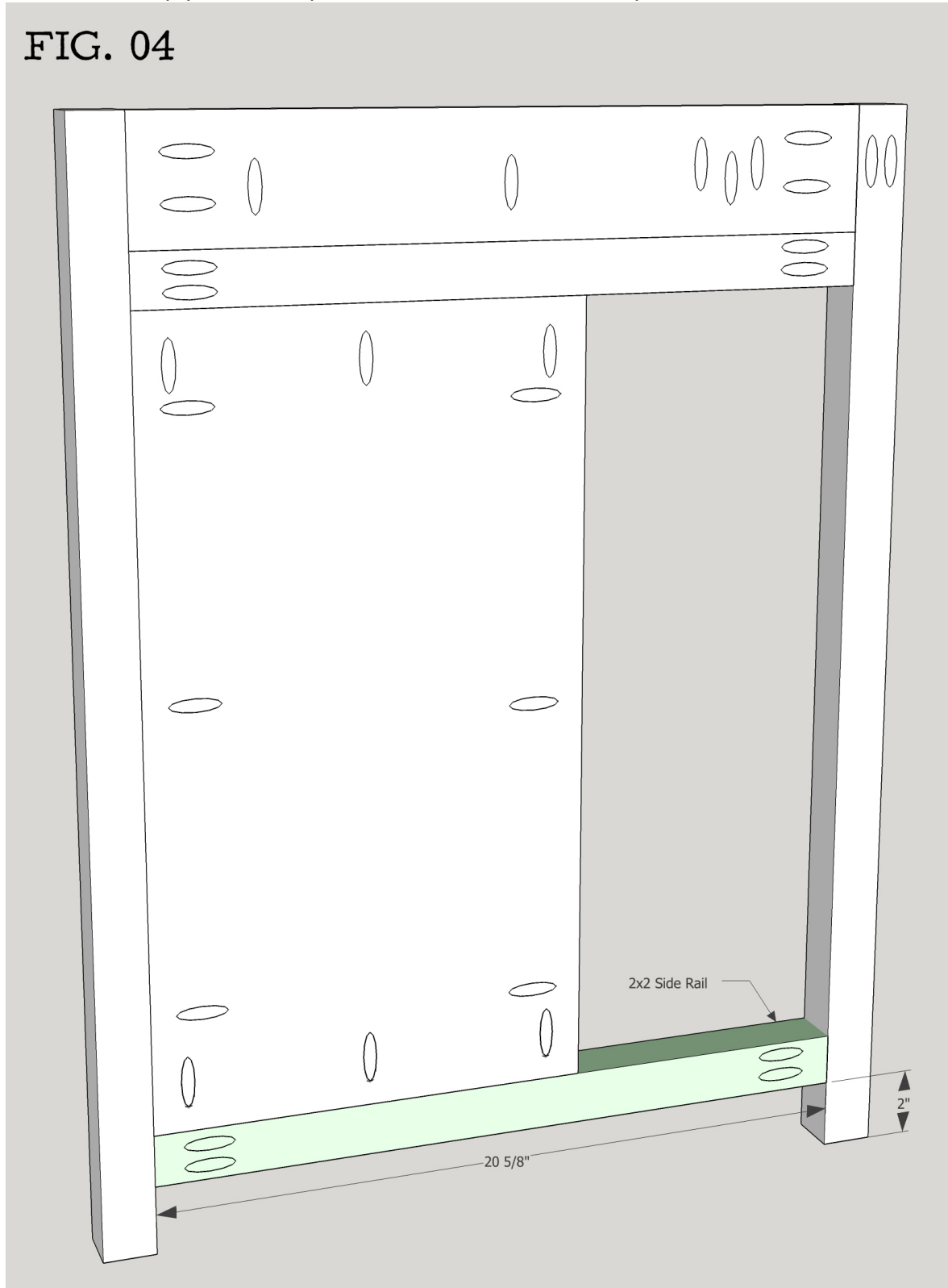
STEP 3:

Cut plywood side panels to size and drill $\frac{3}{4}$ -inch pocket holes as shown. Attach side panel to legs and side rails with 1 $\frac{1}{4}$ -inch pocket hole screws.

FIG. 03

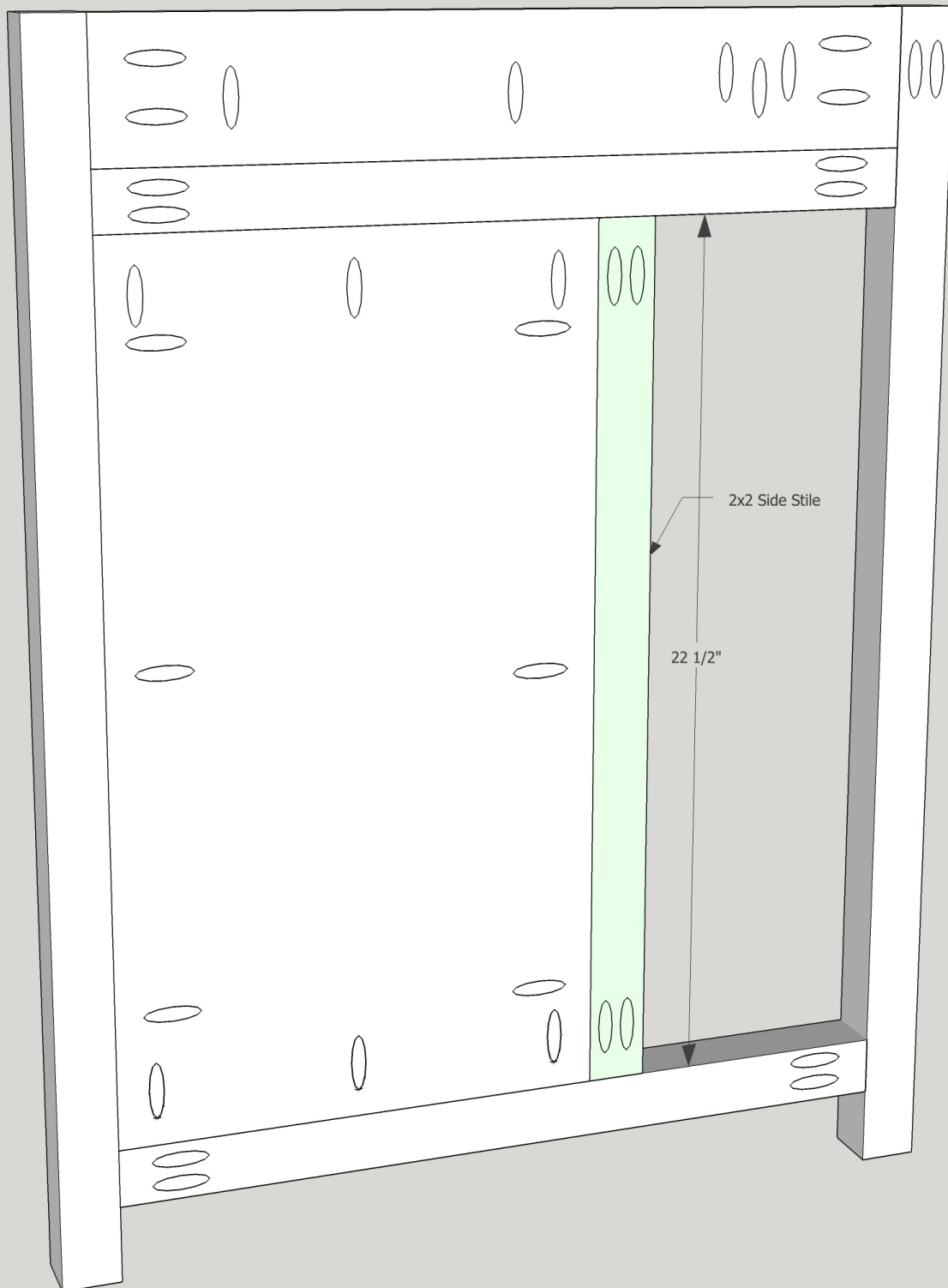
STEP 4:

Cut side rail to length and drill 1 ½-inch pocket holes as shown. Attach to legs with 2 ½-inch pocket hole screws. Attach plywood side panel to side rail with 1 ¼-inch pocket hole screws.

FIG. 04

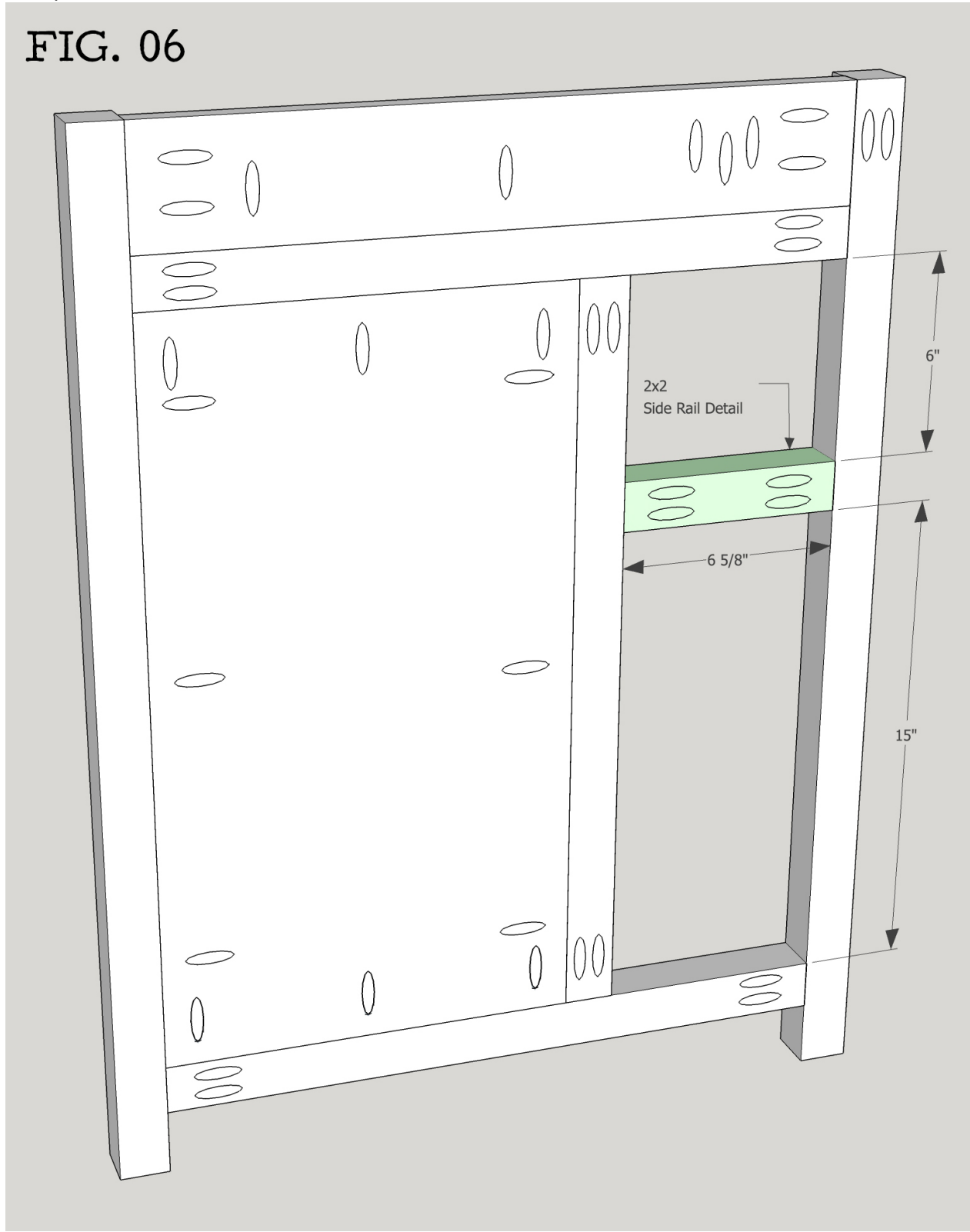
STEP 5:

Cut side stile to length and drill 1 ½-inch pocket holes as shown. Attach to side rails with 2 ½-inch pocket hole screws. Attach plywood side panel to side stiles with 1 ¼-inch pocket hole screws.

FIG. 05

STEP 6:

Cut side rail detail to length and drill 1 ½-inch pocket holes as shown. Attach to side rail and legs with 2 ½-inch pocket hole screws.

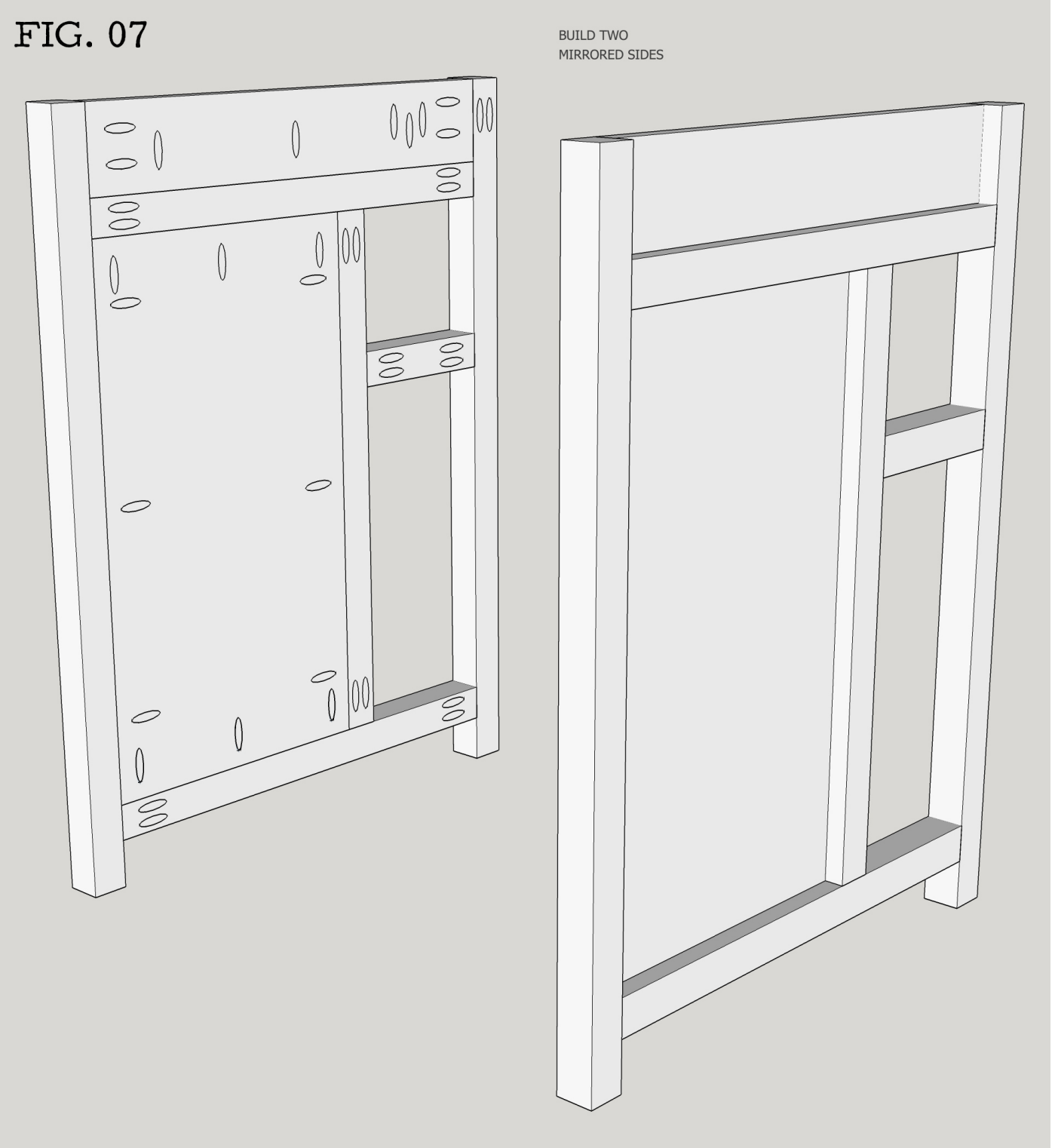
FIG. 06

STEP 7:

Build two of these side panels, making sure to build them as mirror images of each other.

FIG. 07

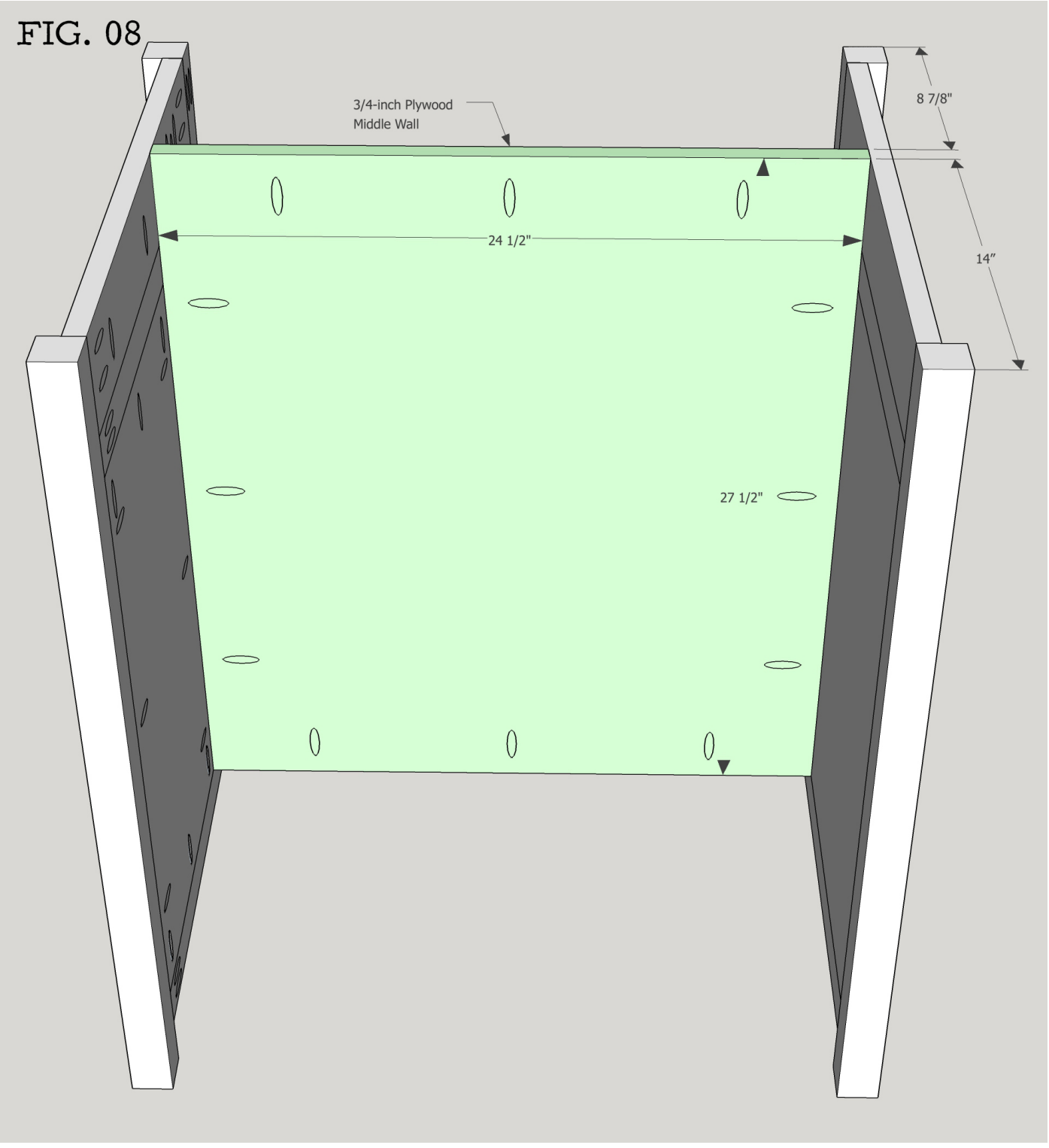
BUILD TWO
MIRRORED SIDES



STEP 8:

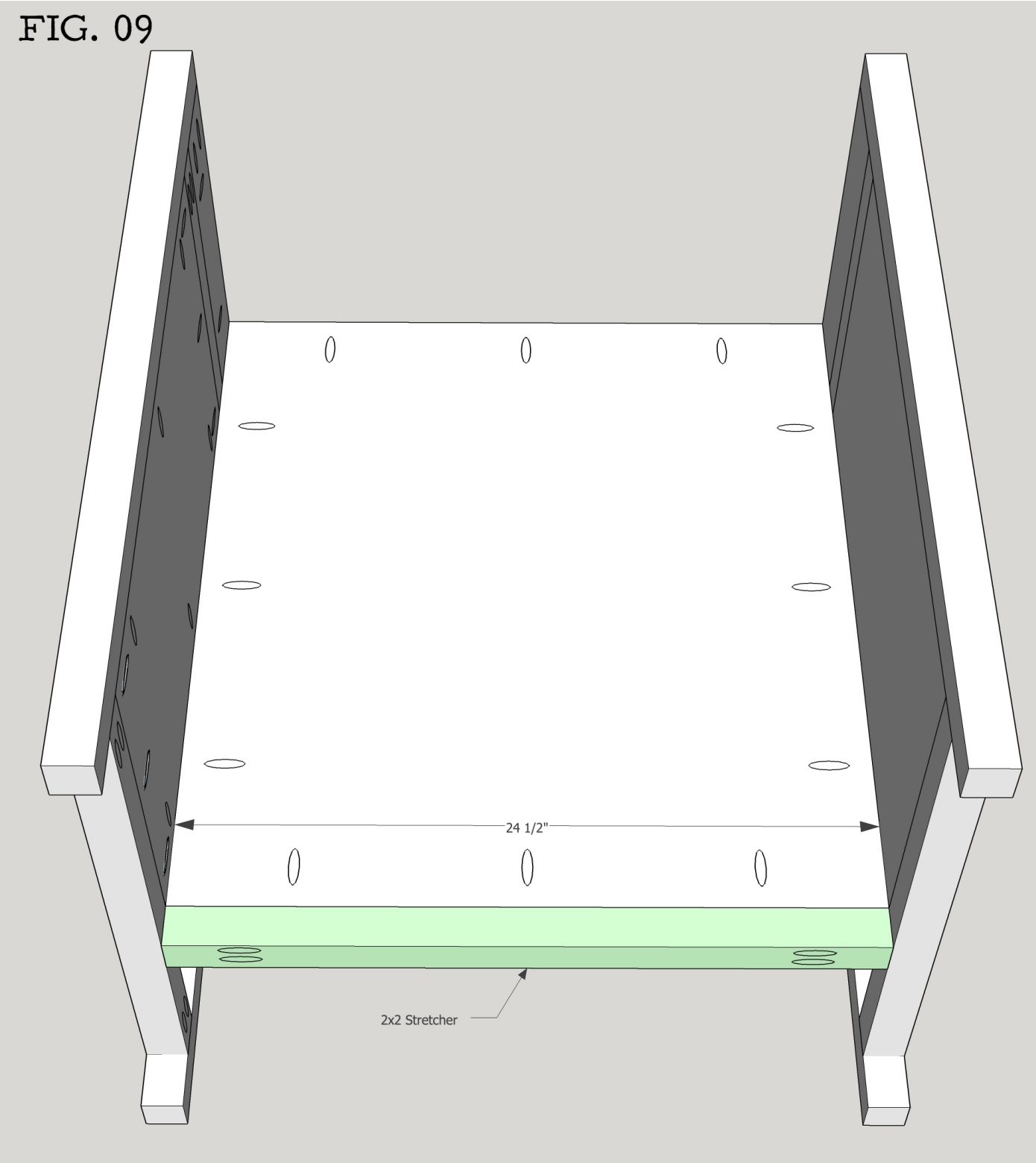
Cut plywood middle wall to size and drill 3/4-inch pocket holes as shown. Attach to side panels with 1 1/4-inch pocket hole screws.

FIG. 08



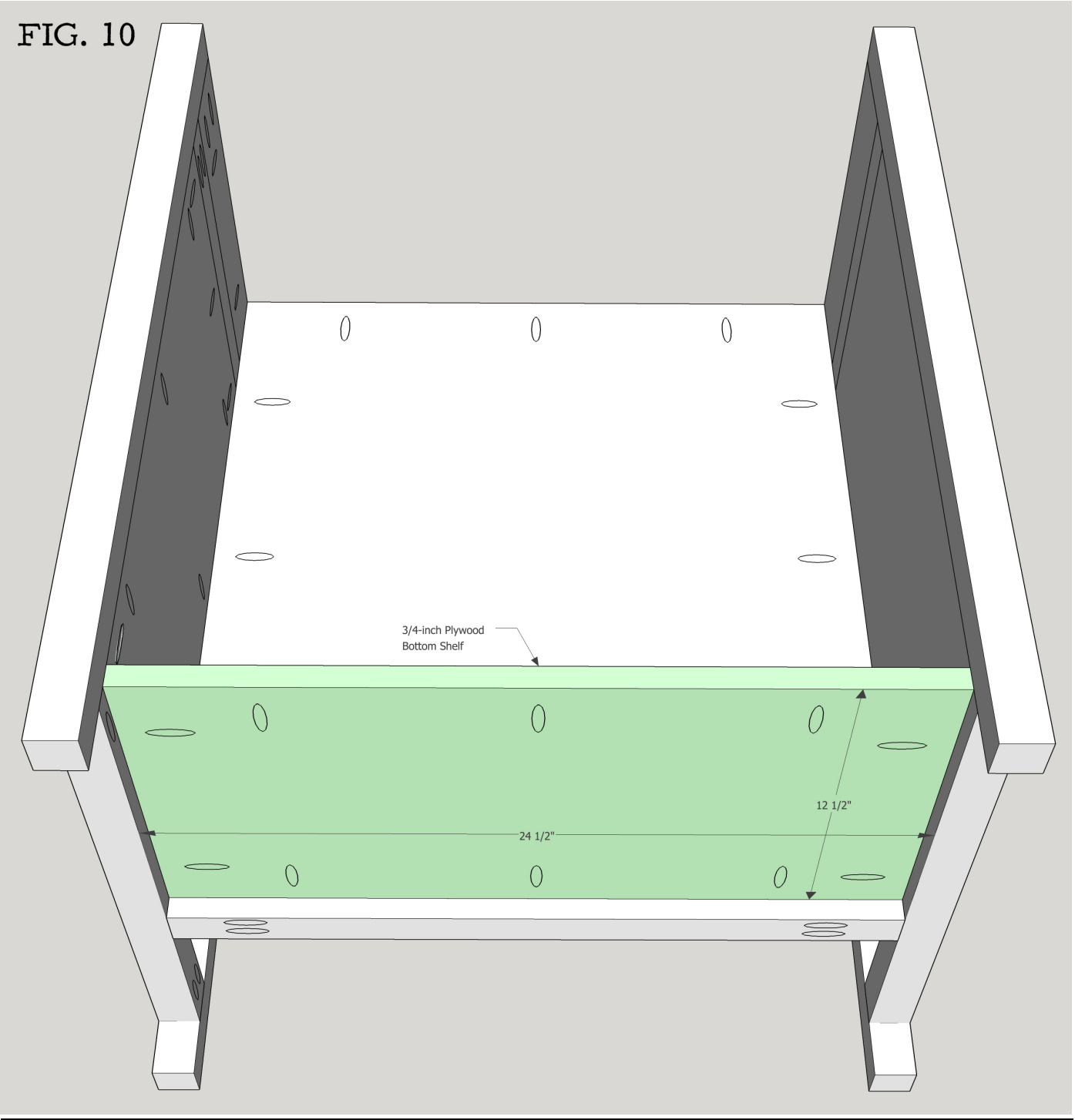
STEP 9:

Cut stretcher to length and drill 1 ½-inch pocket holes as shown. Attach to side rails with 2 ½-inch pocket hole screws.



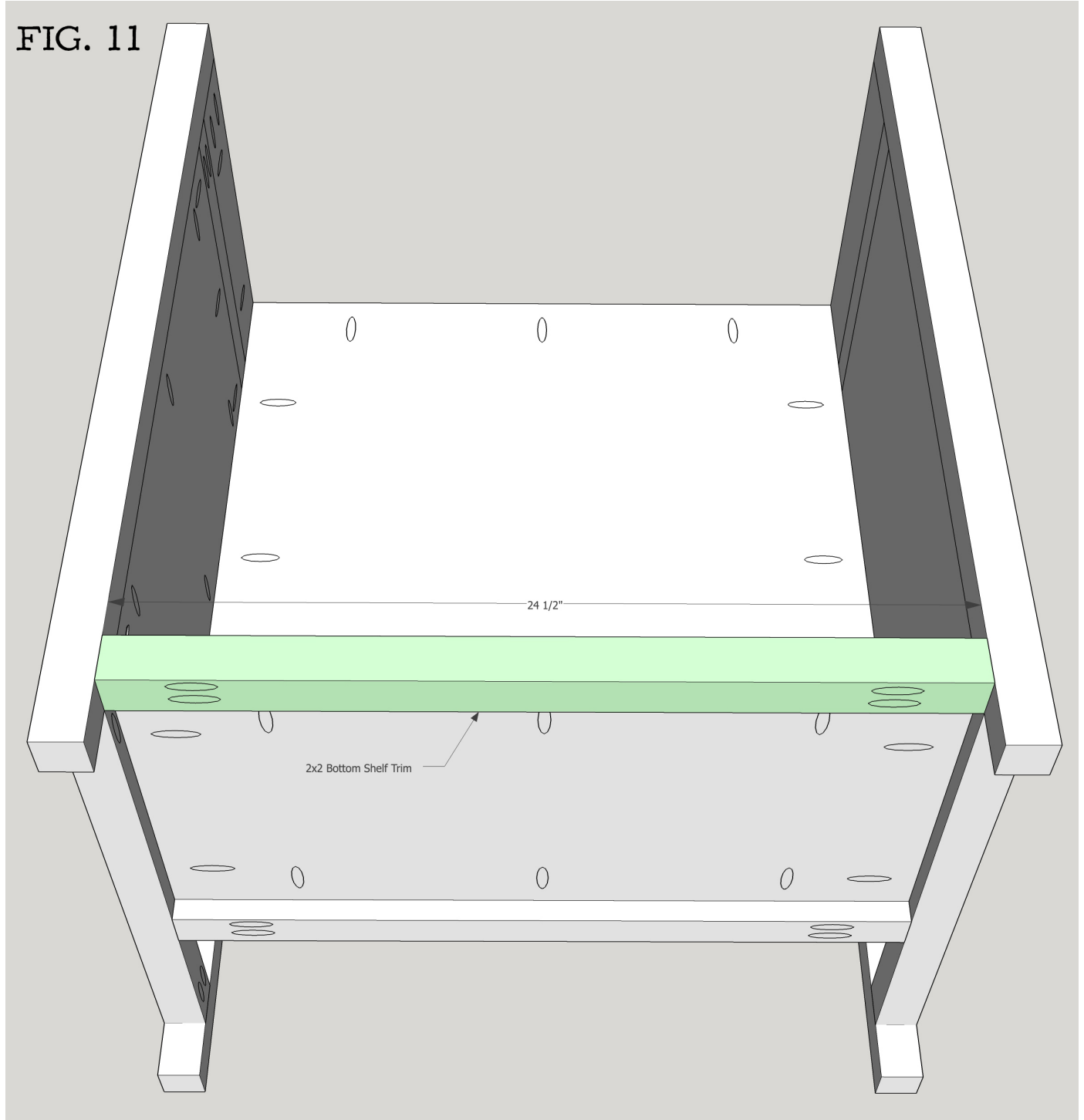
STEP 10:

Cut plywood bottom shelf to size and drill 3/4-inch pocket holes as shown. Attach to carcass with 1 1/4-inch pocket hole screws.



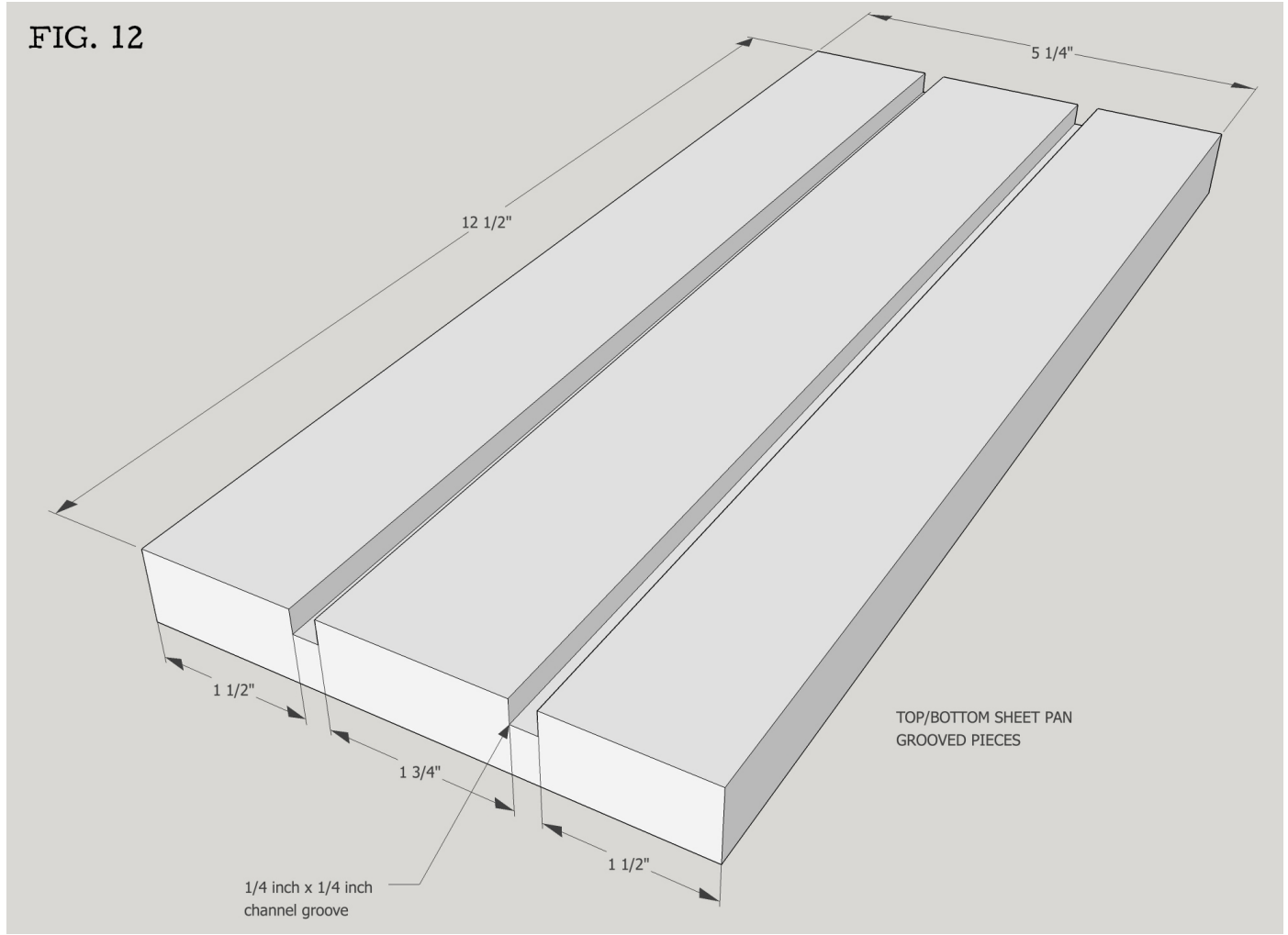
STEP 11:

Cut bottom shelf trim to length and drill 1 ½-inch pocket holes as shown. Attach to legs with 2 ½-inch pocket hole screws. Attach bottom shelf to bottom shelf trim with 1 ¼-inch pocket hole screws.

FIG. 11

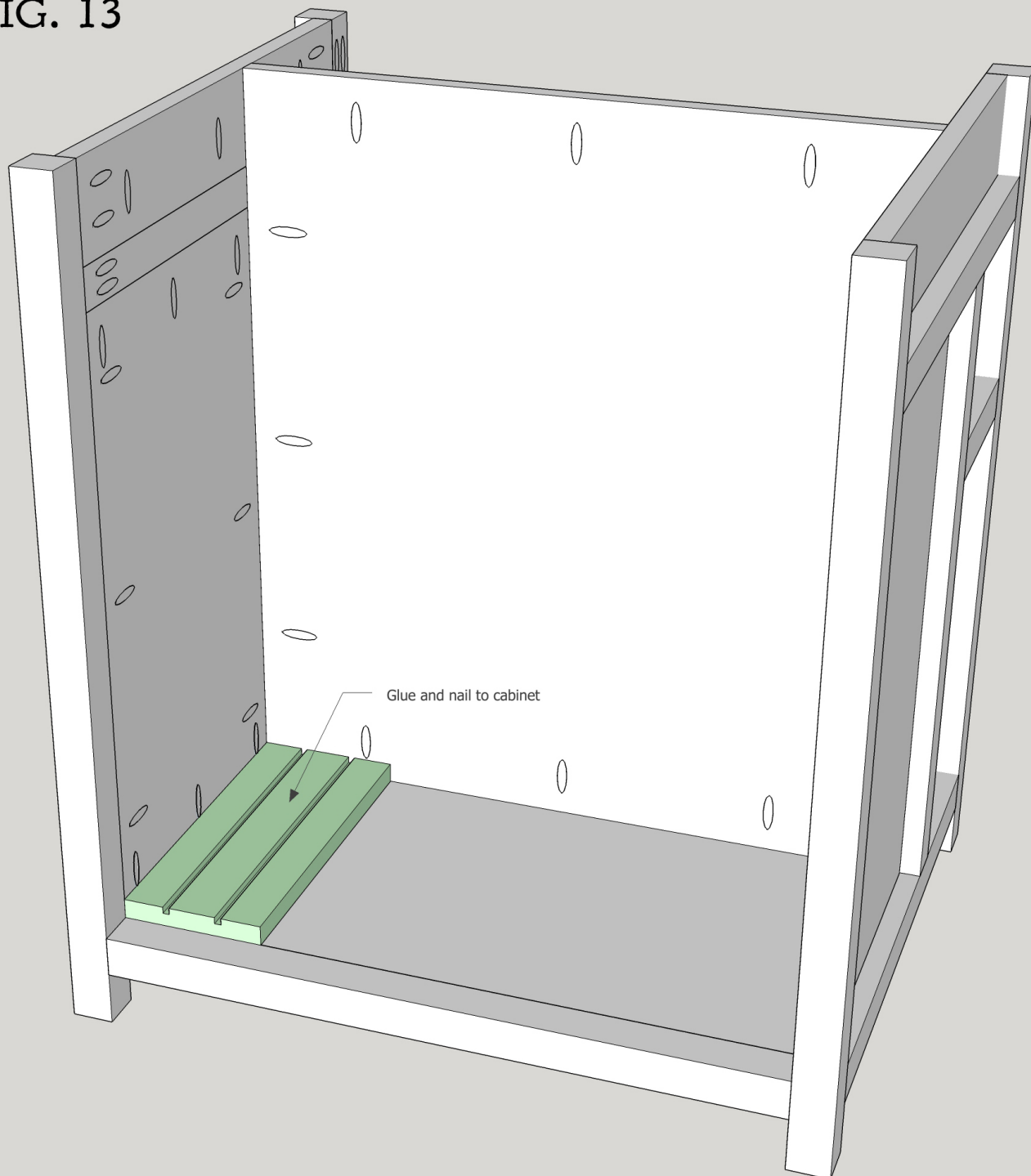
STEP 12:

Cut top and bottom sheet pan pieces to size. Using a router fitted with a $\frac{1}{4}$ -inch channel bit, route two grooves as shown. The grooves should be $\frac{1}{4}$ -inch wide and $\frac{1}{4}$ -inch deep. Alternately, you can cut these grooves by doing multiple passes on a table saw. Make two identical pieces.

FIG. 12

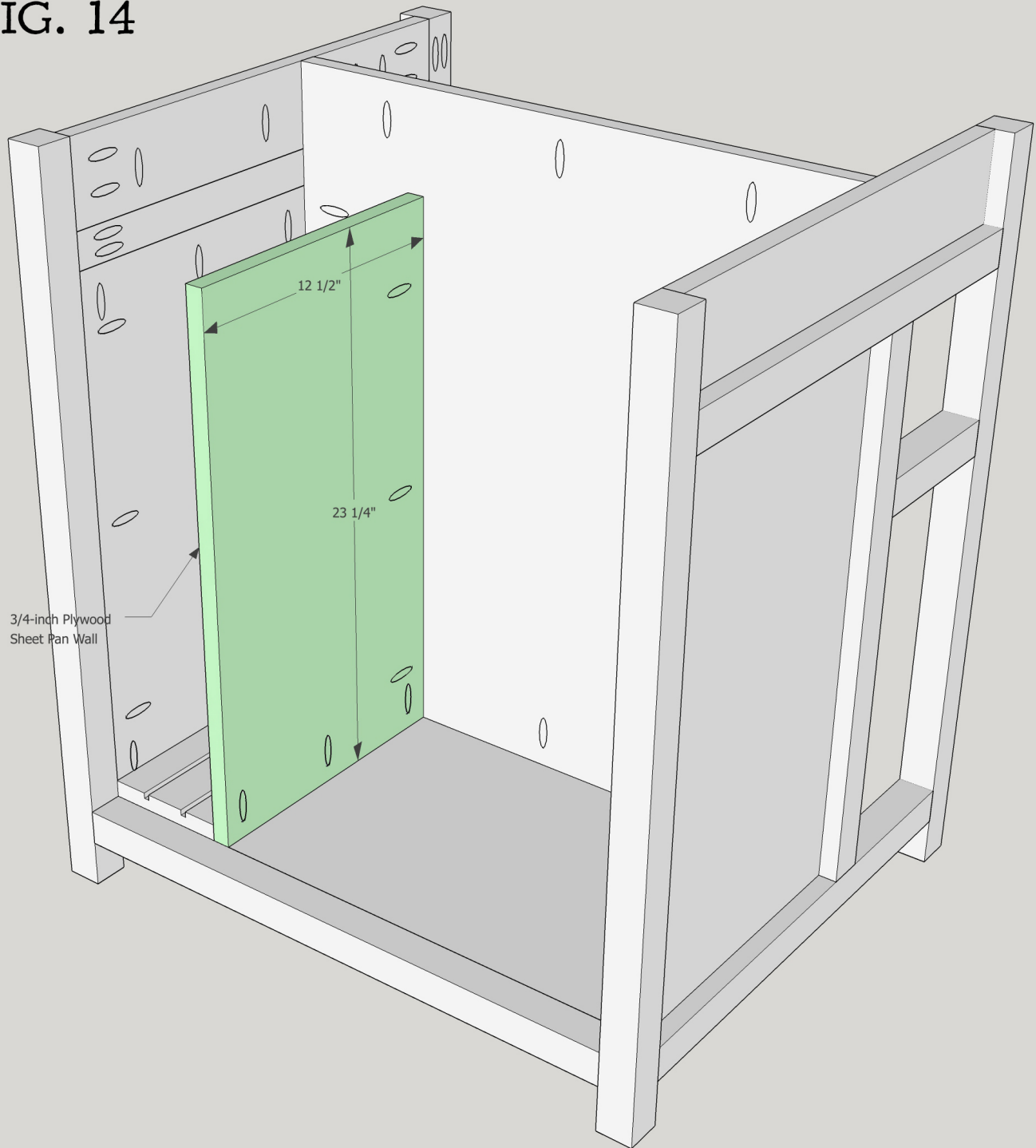
STEP 13:

Attach the bottom sheet pan grooved piece to the cabinet with wood glue and 1 ¼-inch brad nails.

FIG. 13

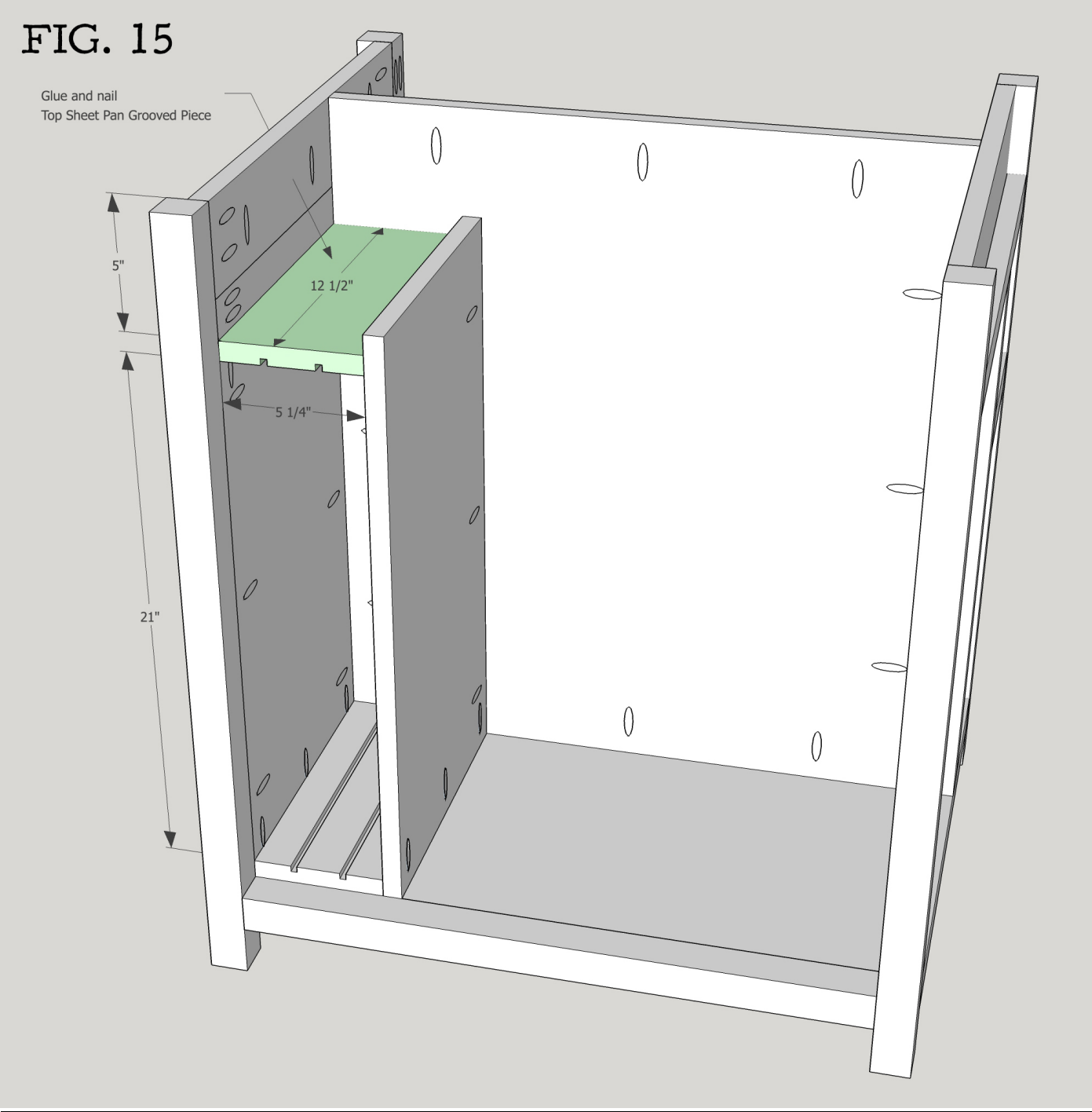
STEP 14:

Cut the plywood sheet pan wall to size and drill $\frac{3}{4}$ -inch pocket holes as shown. Attach to carcass with 1 $\frac{1}{4}$ -inch pocket hole screws. Check for level.

FIG. 14

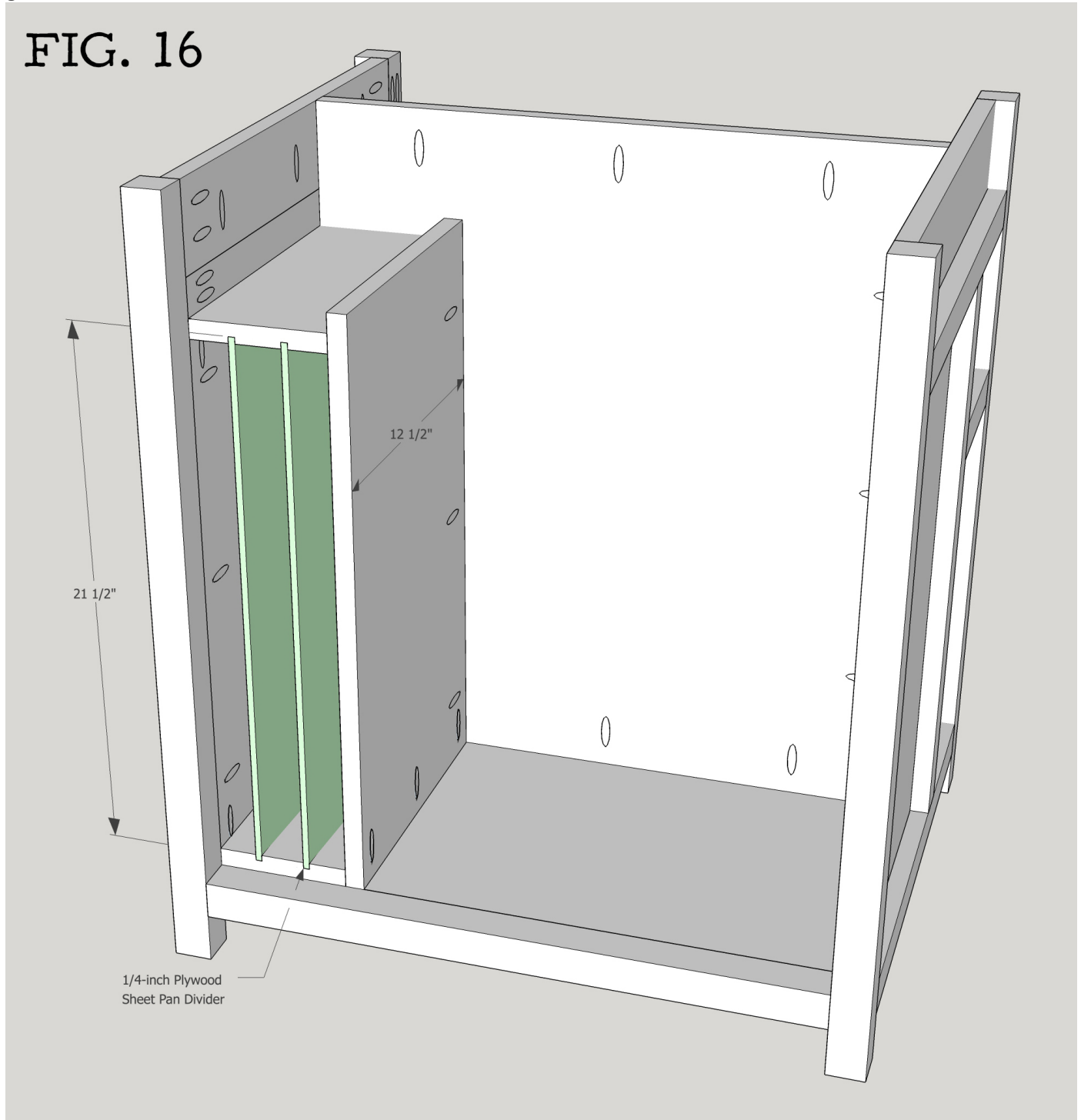
STEP 15:

Attach the top sheet pan grooved piece with wood glue and 1 ¼-inch brad nails. Check for level.



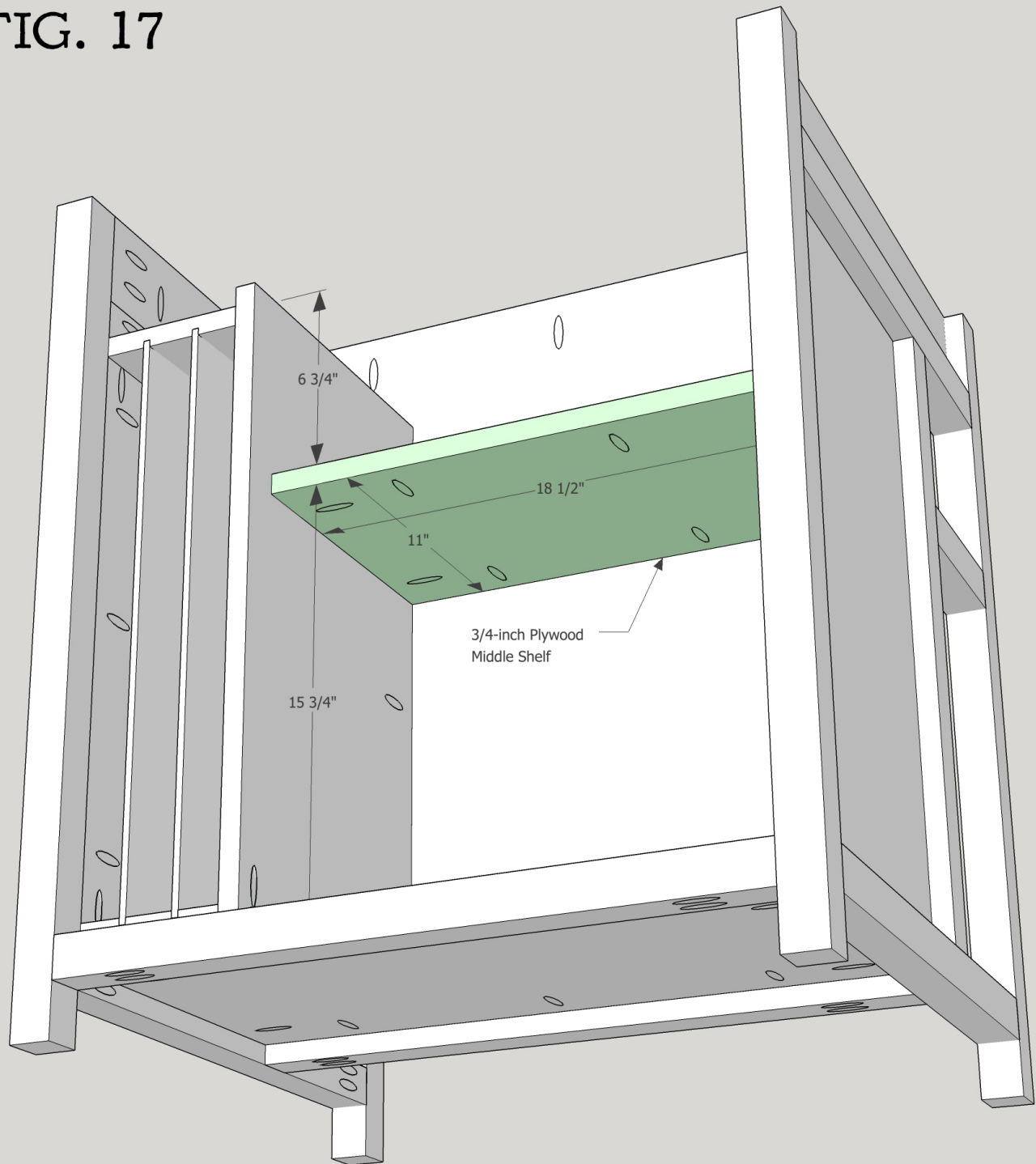
STEP 16:

Cut the plywood sheet pan dividers to size, sand, and paint or stain. They should slide easily into the grooves.

FIG. 16

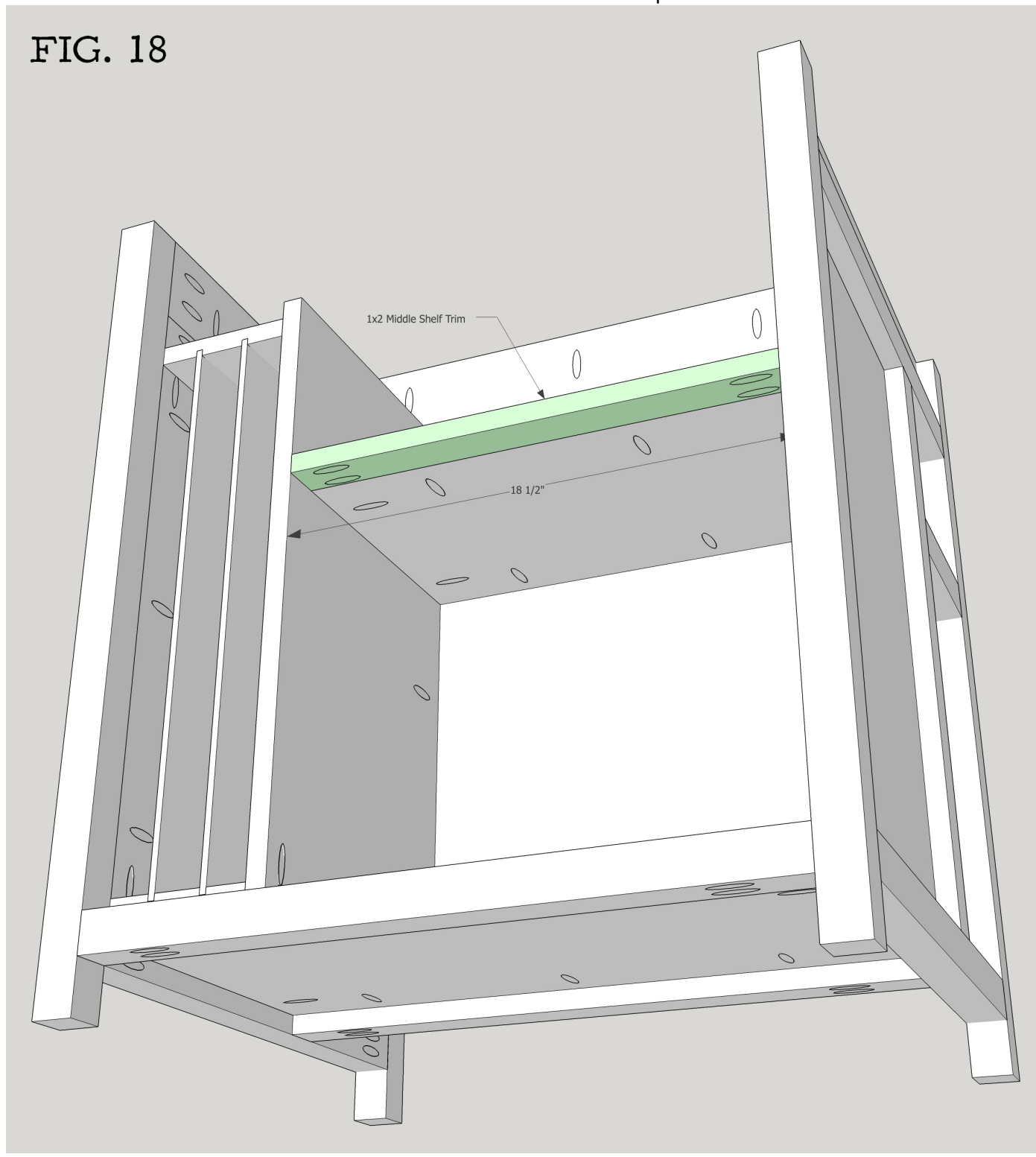
STEP 17:

Cut middle shelf to size and drill $\frac{3}{4}$ -inch pocket holes as shown. Attach to carcass with 1 $\frac{1}{4}$ -inch pocket hole screws. Check for level.

FIG. 17

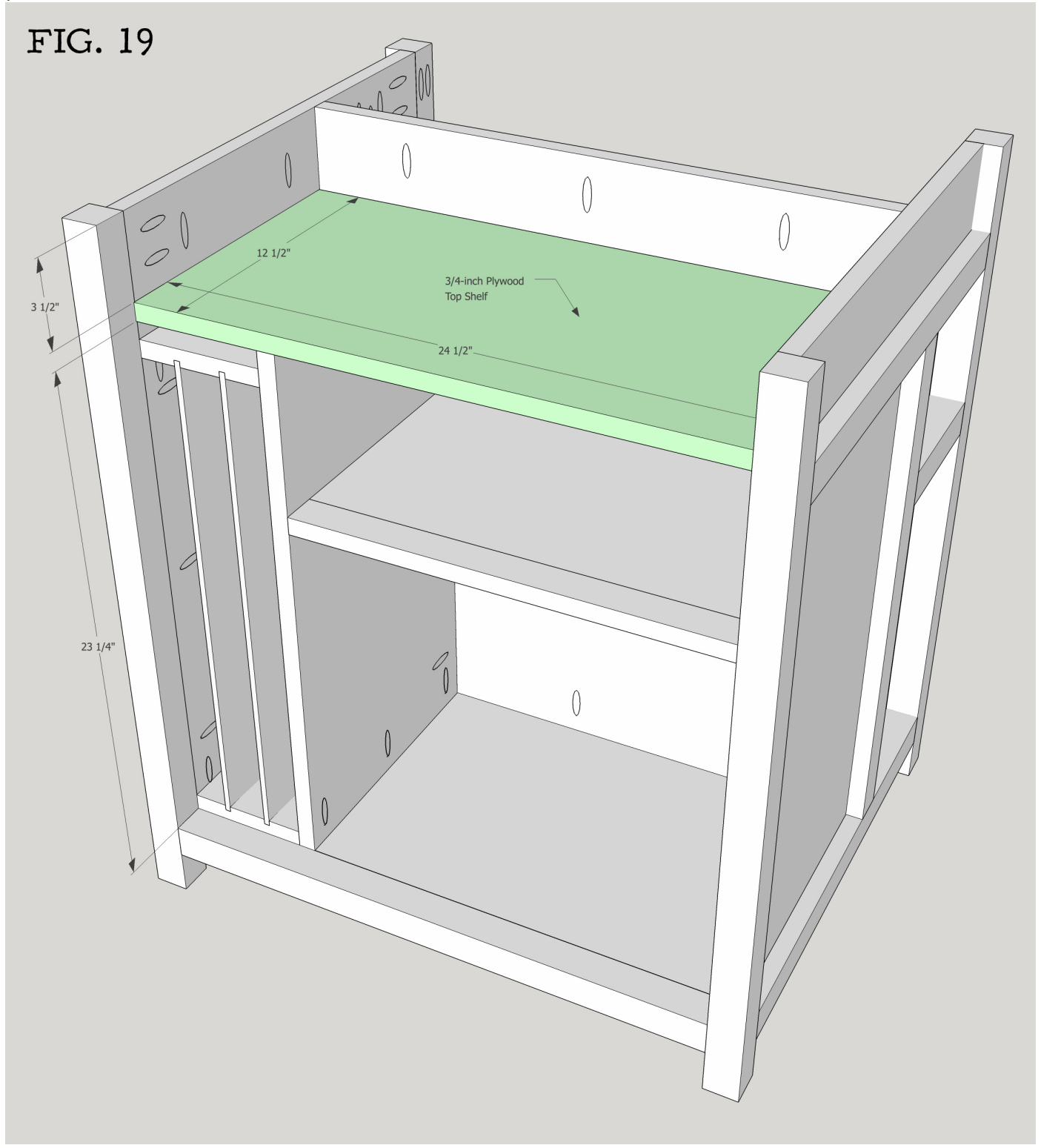
STEP 18:

Cut middle shelf trim to size and drill $\frac{3}{4}$ -inch pocket holes as shown. Attach to carcass with 1 $\frac{1}{4}$ -inch pocket hole screws. Attach middle shelf to middle shelf trim with 1 $\frac{1}{4}$ -inch pocket hole screws.

FIG. 18

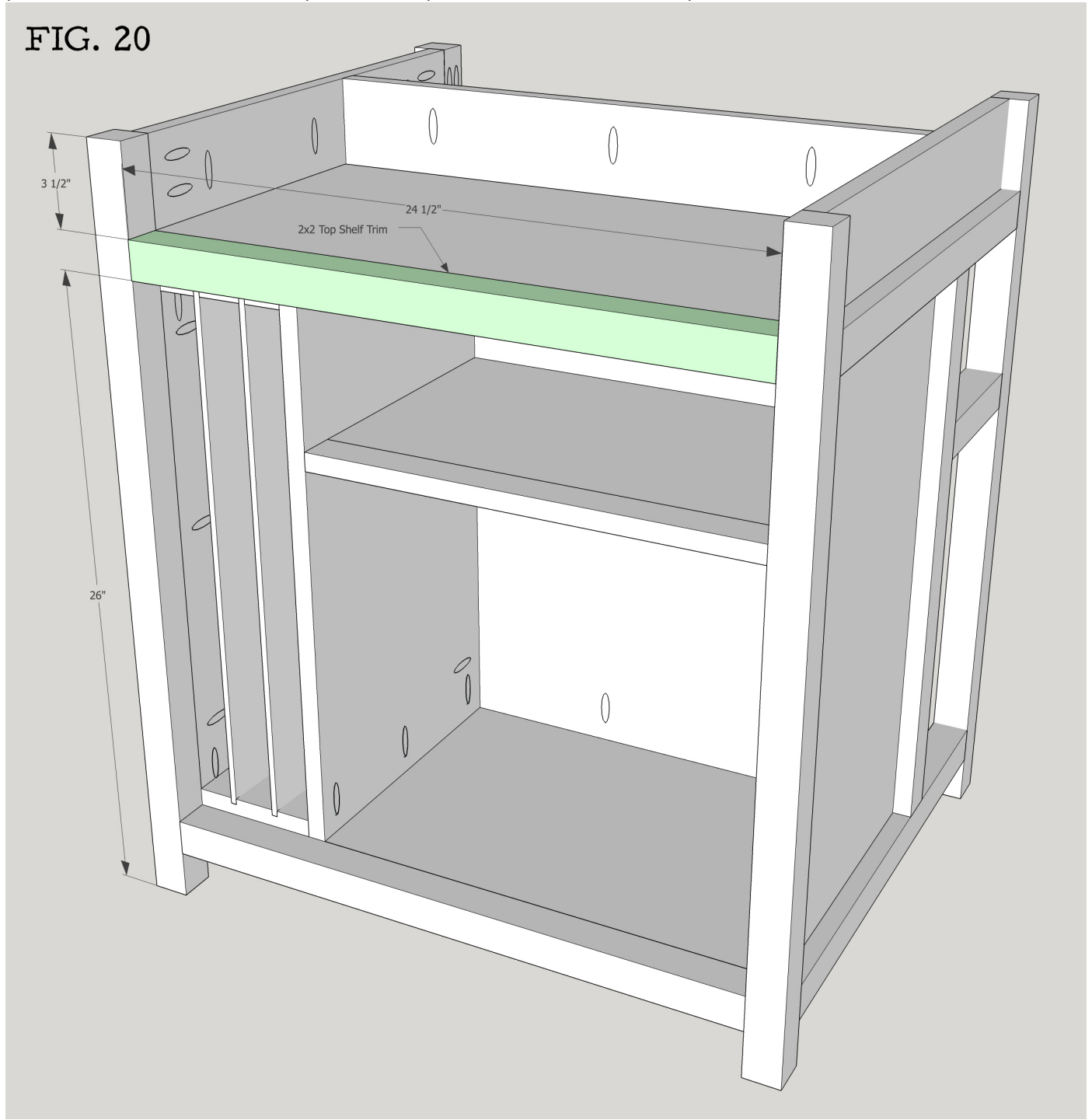
STEP 19:

Cut top shelf to size and drill $\frac{3}{4}$ -inch pocket holes on underside of shelf. Attach to carcass with 1 $\frac{1}{4}$ -inch pocket hole screws. Check for level.

FIG. 19

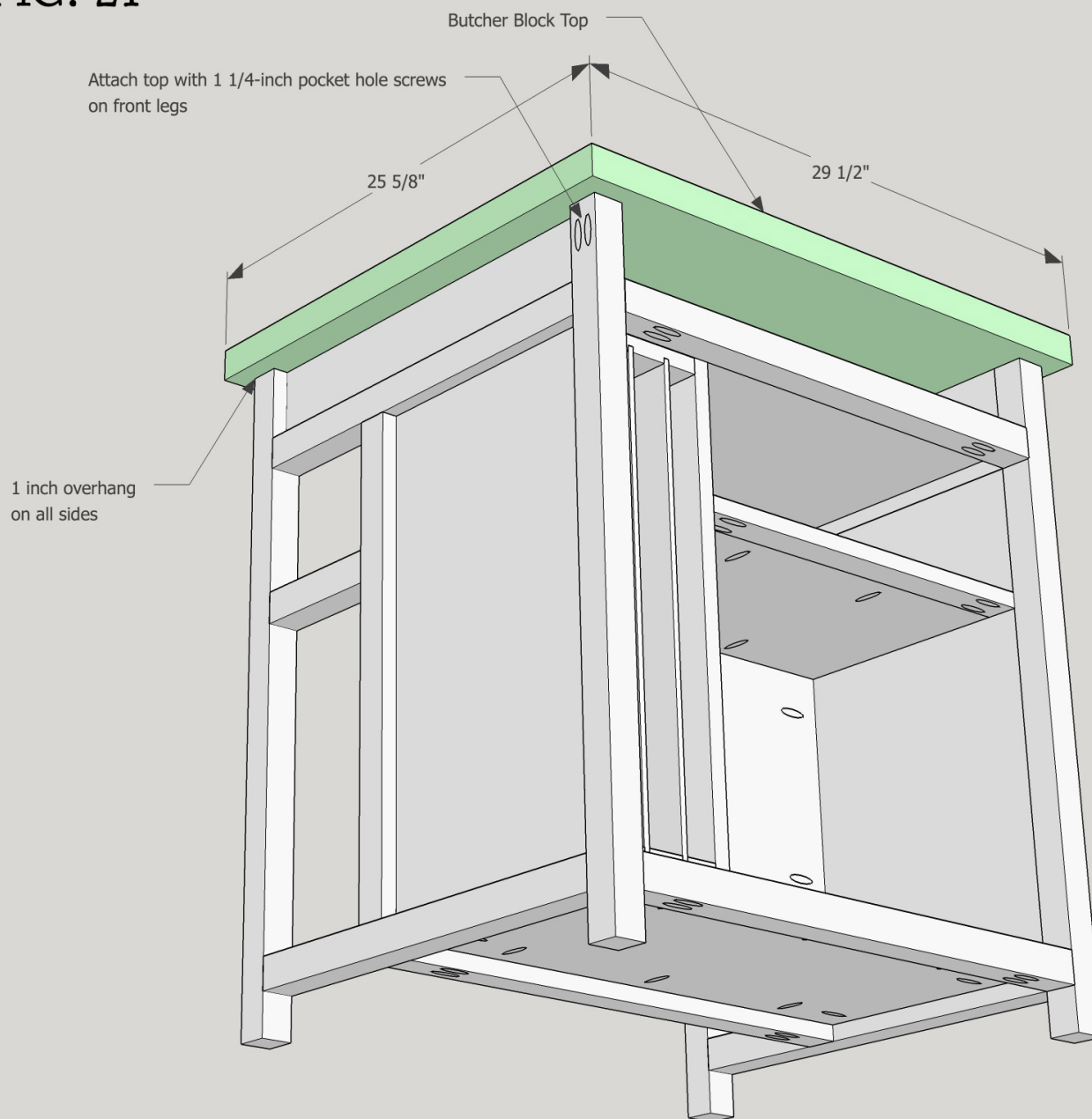
STEP 20:

Cut top shelf trim to length and drill 1 ½-inch pocket holes on each end. Attach to legs with 2 ½-inch pocket hole screws. Attach top shelf to top shelf trim with 1 ¼-inch pocket hole screws.

FIG. 20

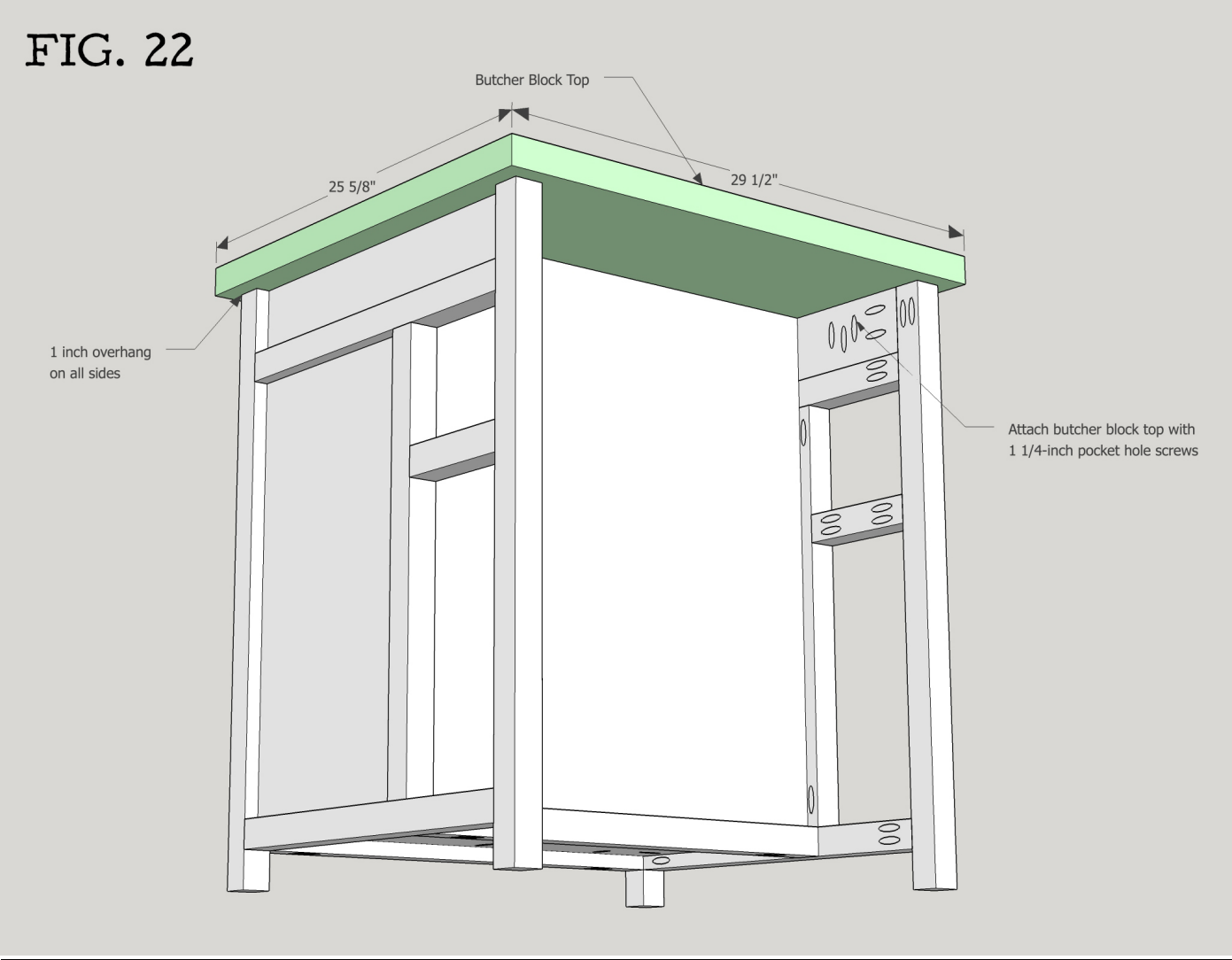
STEP 21:

Cut butcher block to size. Squeeze glue along the top edges of the carcass and carefully position the butcher block on top. There should be a 1 inch overhang on all sides. On the front of the kitchen island, attach the top with 1 1/4-inch pocket hole screws as shown. Take care not to drive the screws through the top.

FIG. 21

STEP 22:

On the back of the kitchen island, attach the top with 1 ¼-inch pocket hole screws as shown.



STEP 23:

Using a 5/16-inch drill bit, drill a hole into the legs. Tap the tee nuts into place with a mallet and screw the casters in. You may opt to complete this step before you attach the butcher block top, so as not to damage the butcher block.

FIG. 23