

WOODHOUSE DOUBLE BATHROOM VANITY



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MATERIALS (affiliate links):

- ☐ (1) ¾-inch 4 ft. x 8 ft. Sheet of Hardwood Plywood
- ☐ (1) ¼-inch 4 ft. x 8 ft. Sheet of Hardwood Plywood
- ☐ [\(4\) 36-inch Woodhouse Vanity Legs](#)
- ☐ (4) 2x2x6 Ft. Boards
- ☐ (1) 1x2x8 Ft. Board
- ☐ (2) 1x3x8 Ft. Boards
- ☐ (1) 1x6x6 Ft. Board
- ☐ (1) 1x8x4 Ft. Board
- ☐ [\(4\) 90° Corner Metal Brackets](#)
- ☐ [\(2\) Rev-A-Shelf Tilt-Out Trays with Soft-Close Hinges](#)
- ☐ [\(4\) Blum Full-Extension, Soft-Closing Undermount Drawer Slides](#)
- ☐ [\(4\) Blum Self-Closing Frameless Cabinet Hinges](#)
- ☐ [\(6\) Cabinet Knobs](#)

- ☐ [\(4\) Drawer Pulls](#)
- ☐ [\(2\) Magnetic Door Catches](#)
- ☐ [\(4\) Custom Dove-tail Drawers](#)
- ☐ [2 ½-inch Pocket Screws](#)
- ☐ [1 ¼-inch Pocket Screws](#)
- ☐ [1 ¼-inch Brad Nails](#)
- ☐ [1 ½-inch Staples](#)
- ☐ [1 inch Pin Nails](#)
- ☐ [Wood Glue](#)

TOOLS:

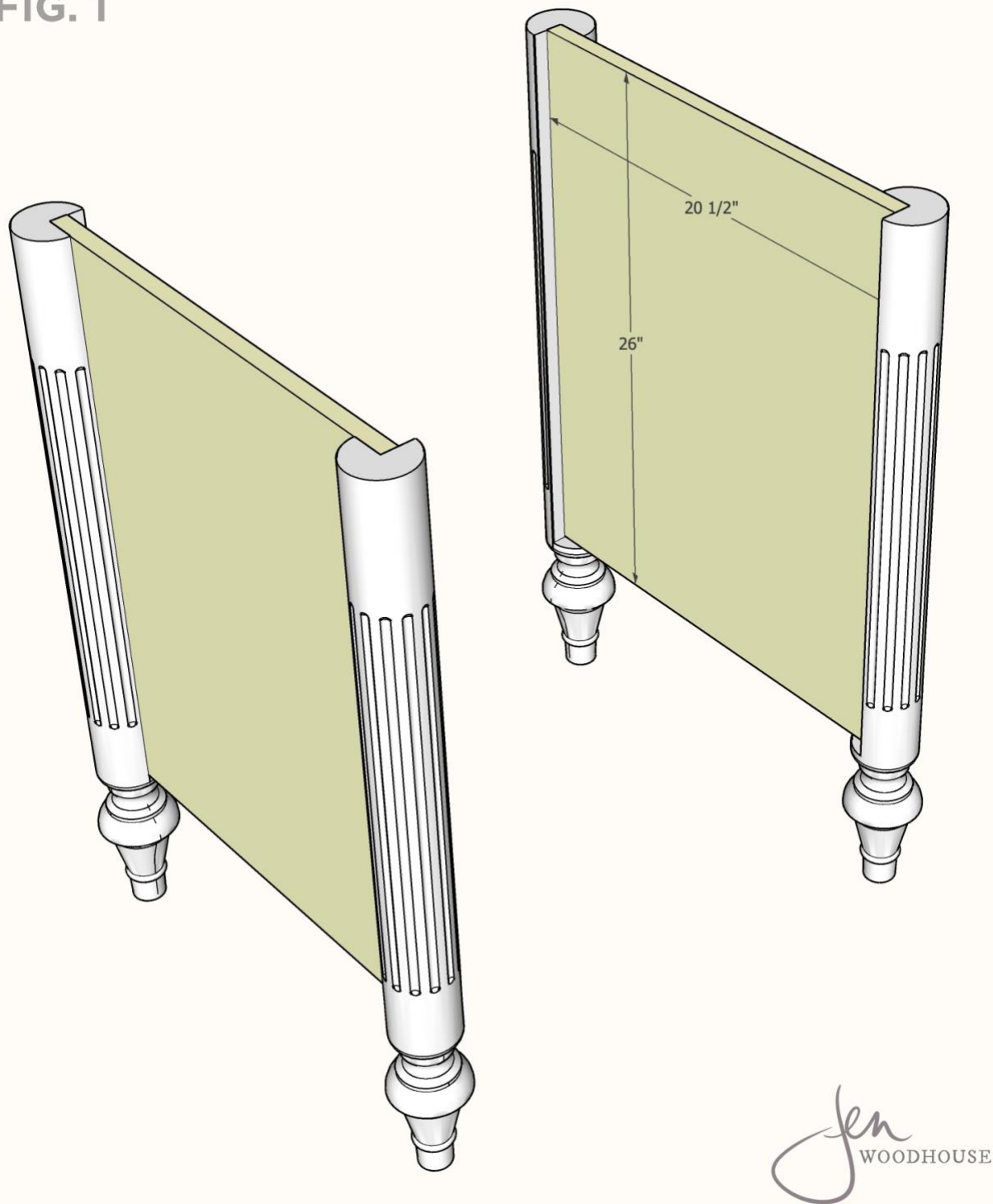
- ☐ Pencil
- ☐ [Tape measure](#)
- ☐ [Speed square](#)
- ☐ [Cordless drill/driver](#)
- ☐ [Table saw](#) or [Track Saw](#)
- ☐ [Compound miter saw](#)
- ☐ [Palm Router](#) with [Rabbeting Bit](#)
- ☐ [Pocket Hole Jig](#)
- ☐ [Pneumatic Brad Nailer](#)
- ☐ [Pneumatic Pin Nailer](#)
- ☐ [Narrow Crown Stapler](#)
- ☐ [Wood Chisel](#) and [Mallet](#)
- ☐ [Clamps](#)
- ☐ [Safety Glasses](#), [Dust Mask](#), [Hearing Protection](#)

CUT LIST:

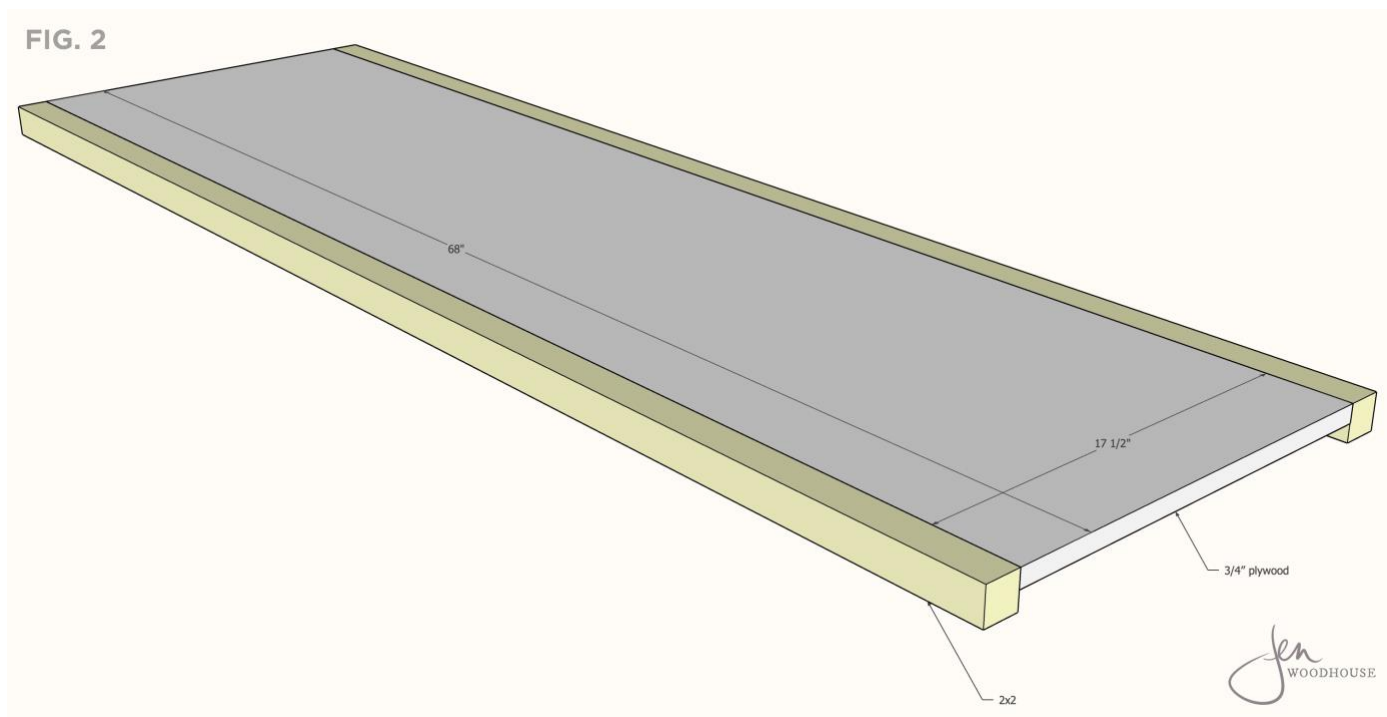
- ☐ (4) Vanity Legs @ 34 inches
- ☐ (1) ¾-inch plywood @ 68 inches x 17 ½ inches (bottom panel)
- ☐ (2) ¾-inch plywood @ 26 inches x 20 ½ inches (side panels)
- ☐ (2) ¾-inch plywood @ 24 ½ inches x 17 ½ inches (center panels)
- ☐ (2) ¾-inch plywood 23 inches x 2 ½ inches (blocking for hinges)
- ☐ (4) 2x2 @ 68 inches (rails)
- ☐ (4) 1x2 @ 23 inches (face frame)
- ☐ (4) 1x3 @ 21 1/8 inches (door rails)
- ☐ (4) 1x3 @ 18 ¼ inches (door stiles)
- ☐ (2) ¼-inch plywood @ 22 1/8 inches x 14 ¼ inches (door panels)
- ☐ (4) ¼-inch plywood @ 21 1/8 inches x 12 ½ inches (door triangles)
- ☐ (4) ¼-inch plywood @ 13 ¼ inches x 12 ½ inches (door triangles)
- ☐ (2) 1x6 @ 26 inches x 4 3/8 inches (tilt-out drawer faces)
- ☐ (1) 1x6 @ 11 ¾ inches x 4 3/8 inches (top drawer face)
- ☐ (3) 1x8 @ 6 inches x 11 ¾ inches (bottom three drawer faces)
- ☐ (1) ¼-inch plywood @ 66 5/8 inches x 26 inches (back panel)



FIG. 1

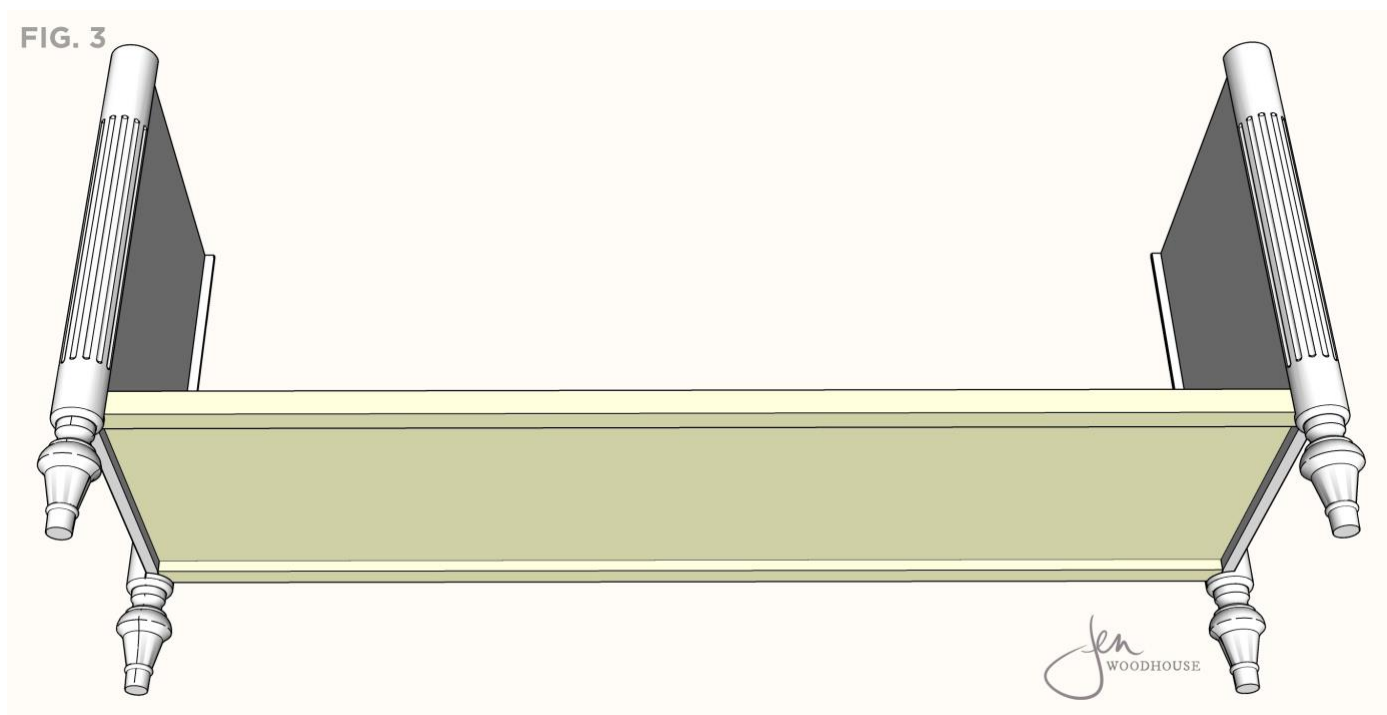
**STEP 1 – Build the side panels**

The Woodhouse Vanity Legs from Osborne Wood Products will be 36 inches long. Using a miter saw, cut 2 inches from the top of the legs so that they are 34 inches tall. Measure, mark, and cut the plywood side panels to size. Pre-drill pilot holes along the sides of the plywood about 6-8 inches apart and attach it to the legs with 1 ¼-inch wood screws and wood glue, as shown. Don't place any screws less than 2 inches from the top and bottom edges – the 2x2 rails will go here in later steps.



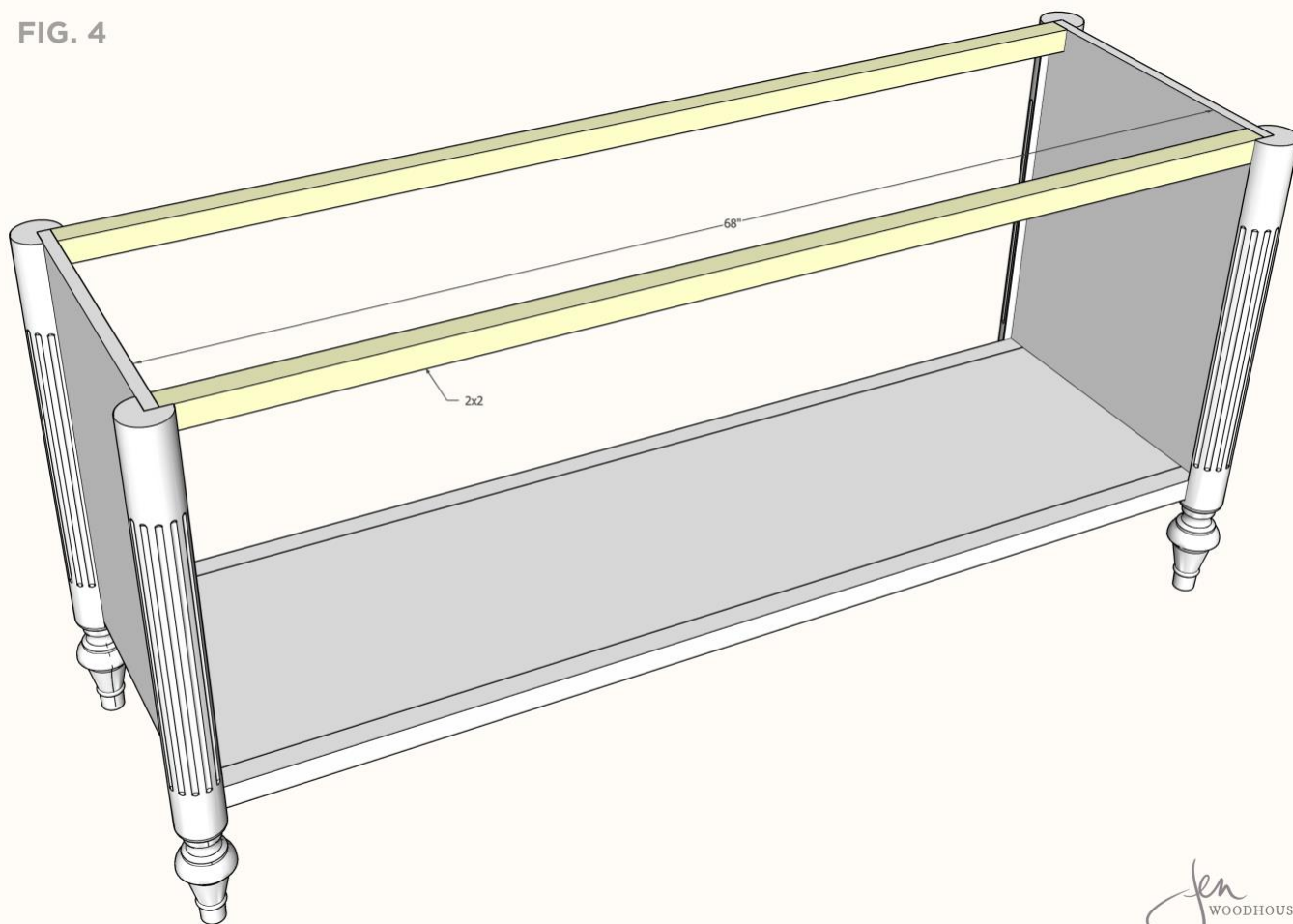
STEP 2 – Build the bottom panel

Measure, mark, and cut the plywood to size. Drill $\frac{3}{4}$ -inch pocket holes around all four edges of the plywood, spaced about 6-8 inches apart. Place the pocket holes underneath the bottom panel so they won't be visible on the finished piece. Measure, mark, and cut the 2x2 rails to length and drill $1\frac{1}{2}$ -inch pocket holes into the ends of the 2x2s. Attach the plywood to the rails as shown with $1\frac{1}{4}$ -inch pocket screws and wood glue. Notice that the bottom panel is set flush to the top of the rails.



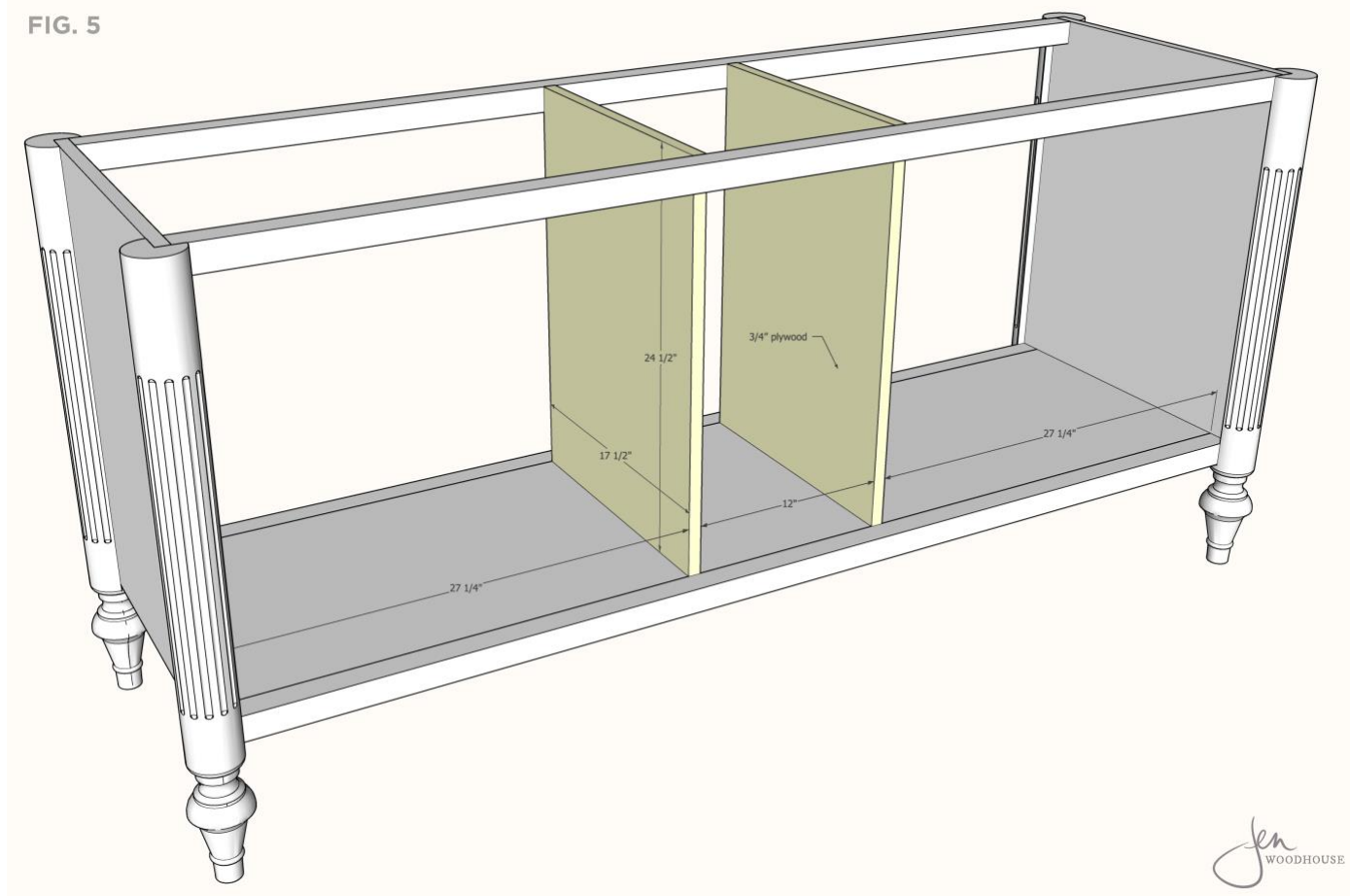
STEP 3 – Construct the Carcass

Attach the bottom panel to the side panels as shown. Use 1 ¼-inch pocket screws for the plywood and 2 ½-inch pocket screws for the 2x2s. Be careful that the screws don't go all the way through the turned legs.

FIG. 4**STEP 4 – Add the Top Rails**

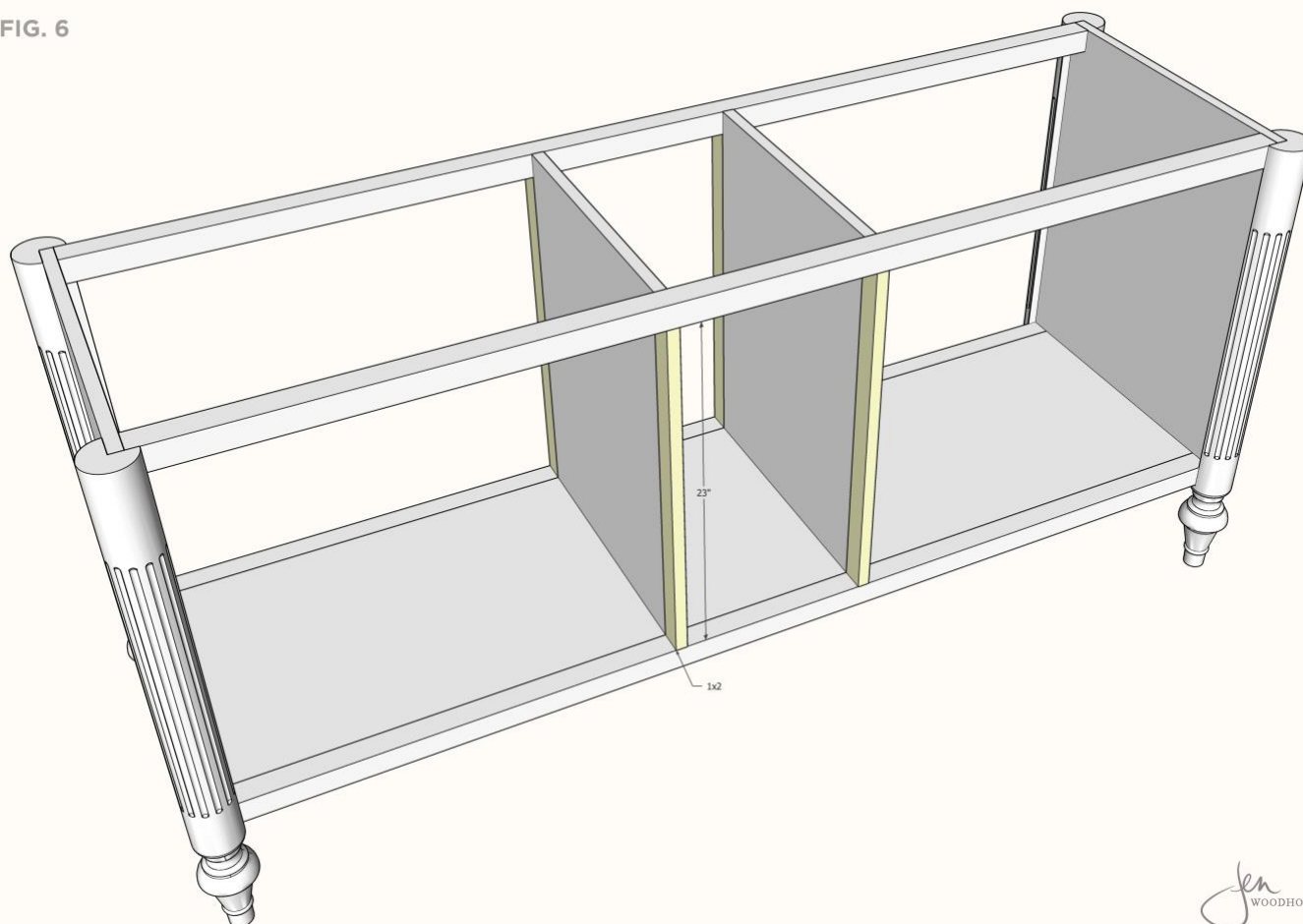
Measure, mark, and cut the 2x2 top rails to length and drill 1 ½-inch pocket holes into the ends. Attach the top rails to the side panels with 2 ½-inch pocket screws and wood glue.

FIG. 5

**STEP 5 – Add the Center Panels**

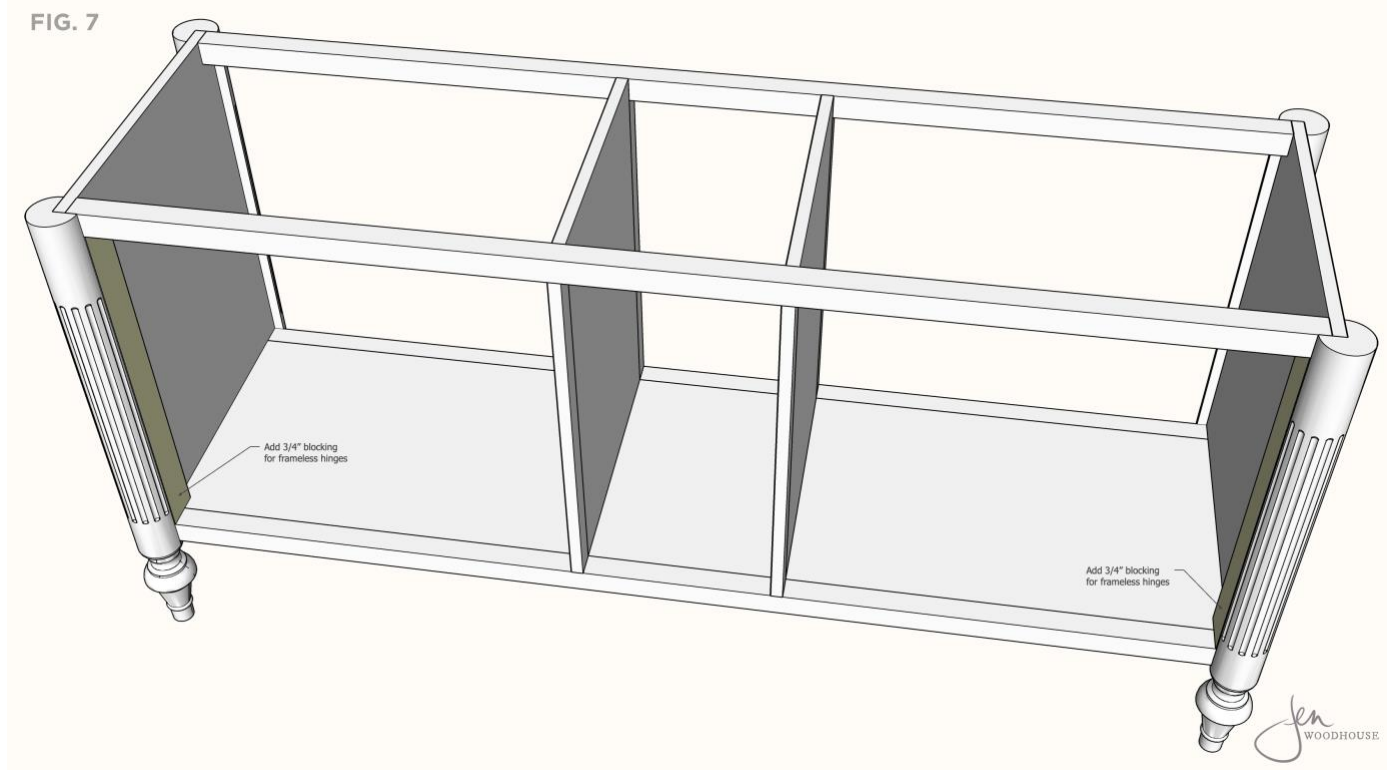
Measure, mark, and cut the plywood panels to size. Drill $\frac{3}{4}$ -inch pocket holes into the bottom and sides of the plywood. Place the pocket holes along the interior sides of the plywood. The drawers will cover the pocket holes so they're not visible. Attach the center panels as shown with $1\frac{1}{4}$ -inch pocket screws and wood glue. Secure the tops of the panels to the top rails with 90° corner metal brackets.

FIG. 6

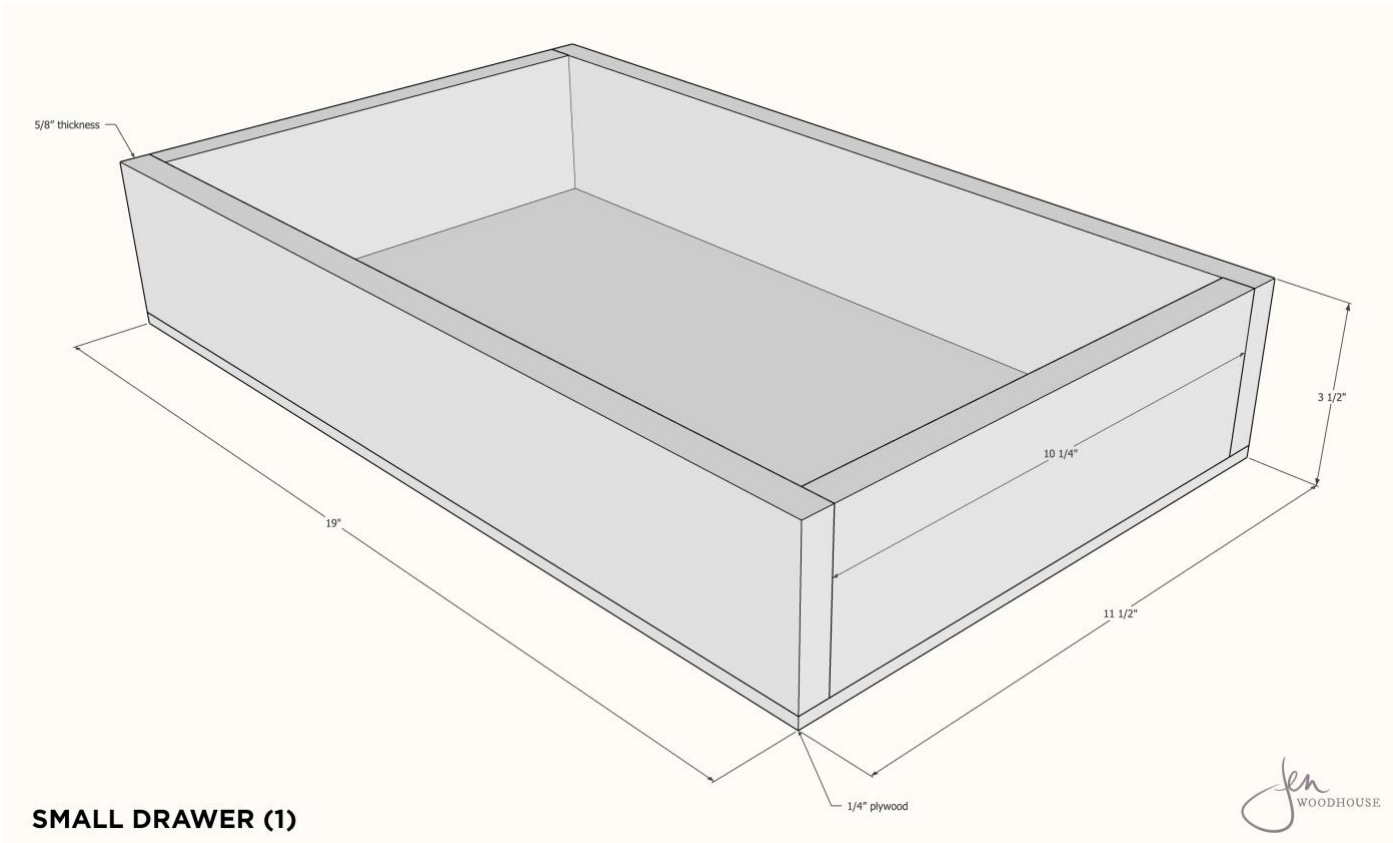
**STEP 6 – Add the Face Frame**

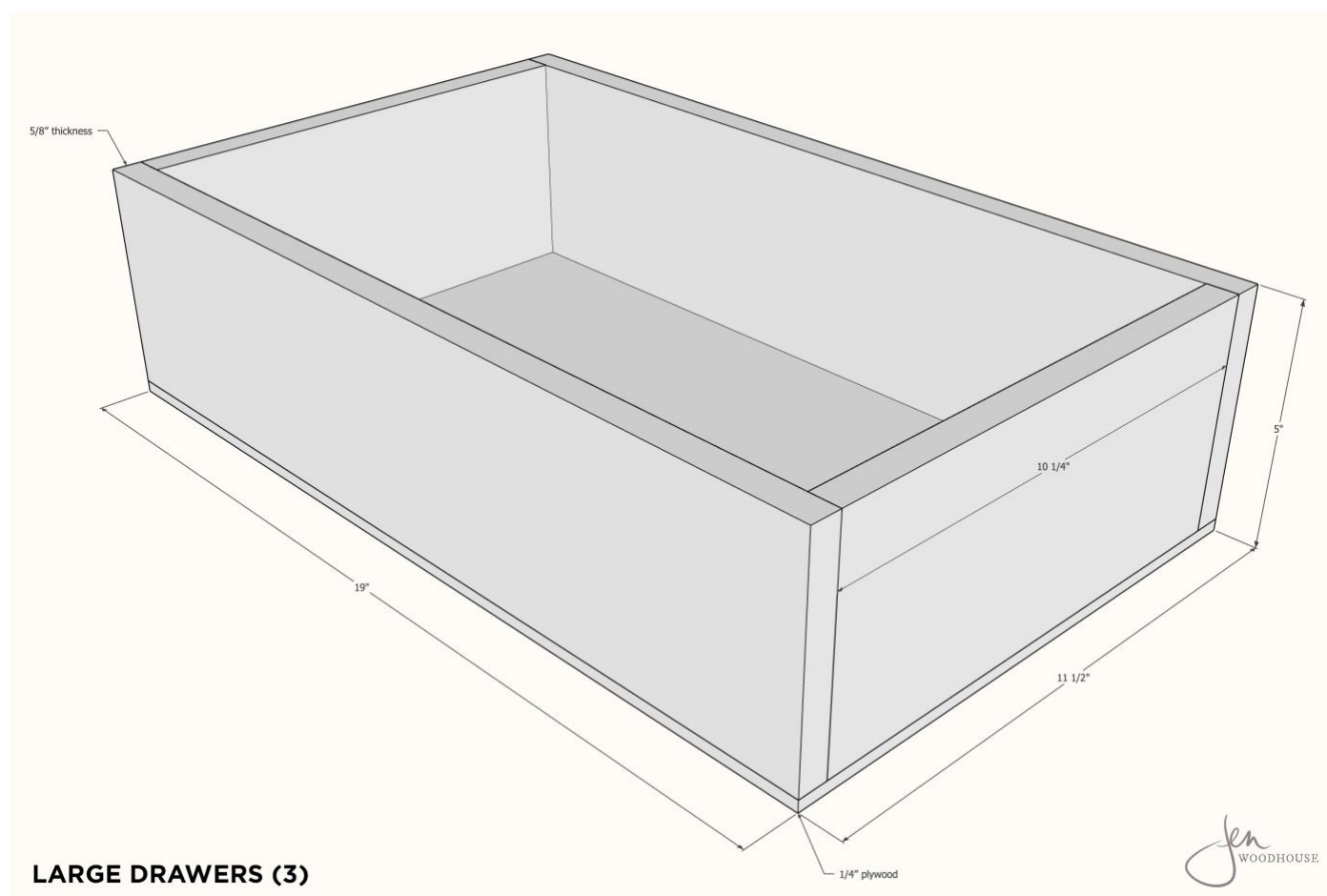
Measure, mark, and cut the 1x2 boards to length. Attach them to the center panels with 1 ¼-inch pocket screws and wood glue.

FIG. 7

**STEP 7 – Add the Blocking for the Hinges**

Measure, mark, and cut the extra blocking for the hinges. These parts should measure 23 inches long by 2 ½ inches wide. Attach them to the vanity as shown with 1 ¼-inch brad nails and wood glue. This blocking will be where you will install the self-closing frameless cabinet hinges in later steps.



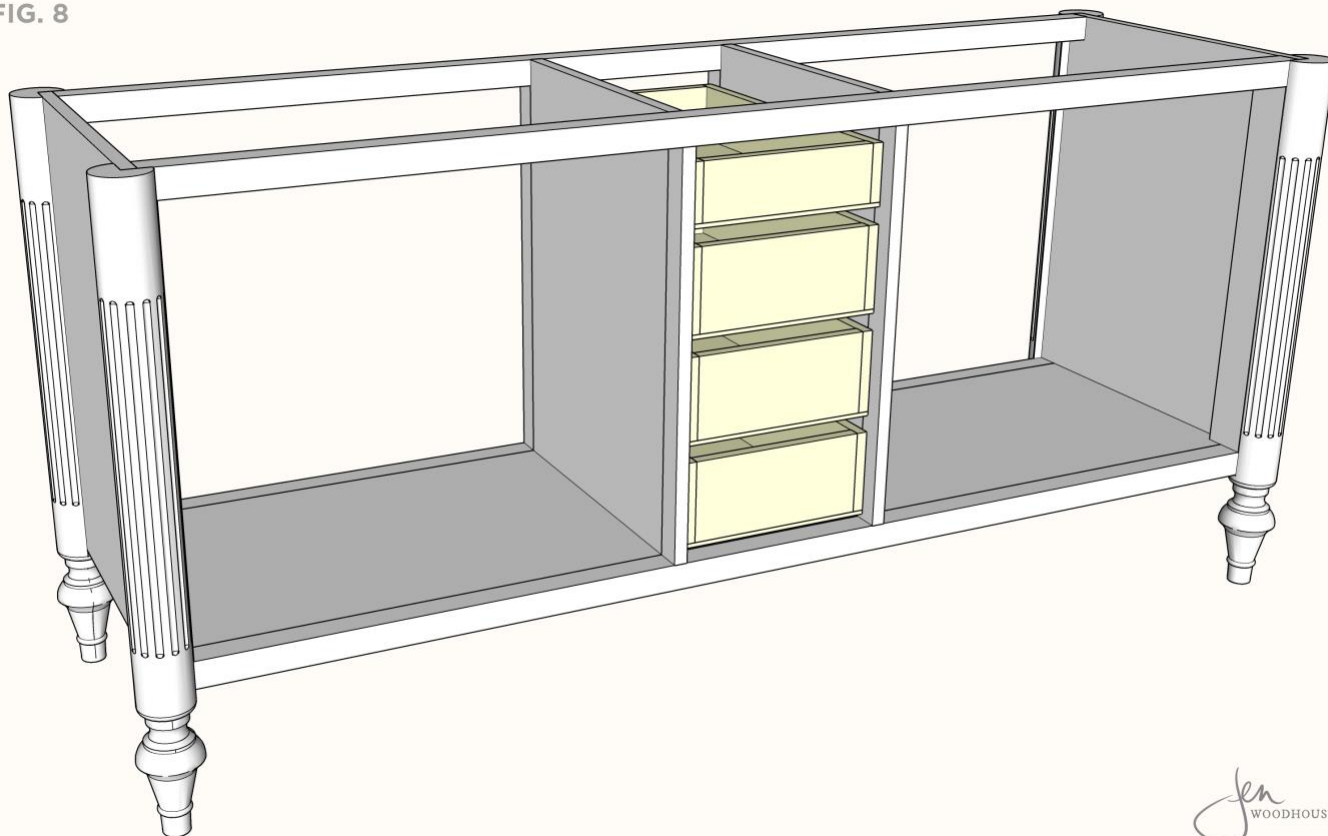


STEP 8 – Buy or Build the Drawers

I did not include the drawer box materials in the shopping list because I purchased custom, pre-finished, dovetailed drawers from <https://quikdrawers.com>. If you choose to build your own drawers, you can use these measurements and drawings as a rough guide, however it is imperative that you measure the space where the drawers will go and build the drawers accordingly.

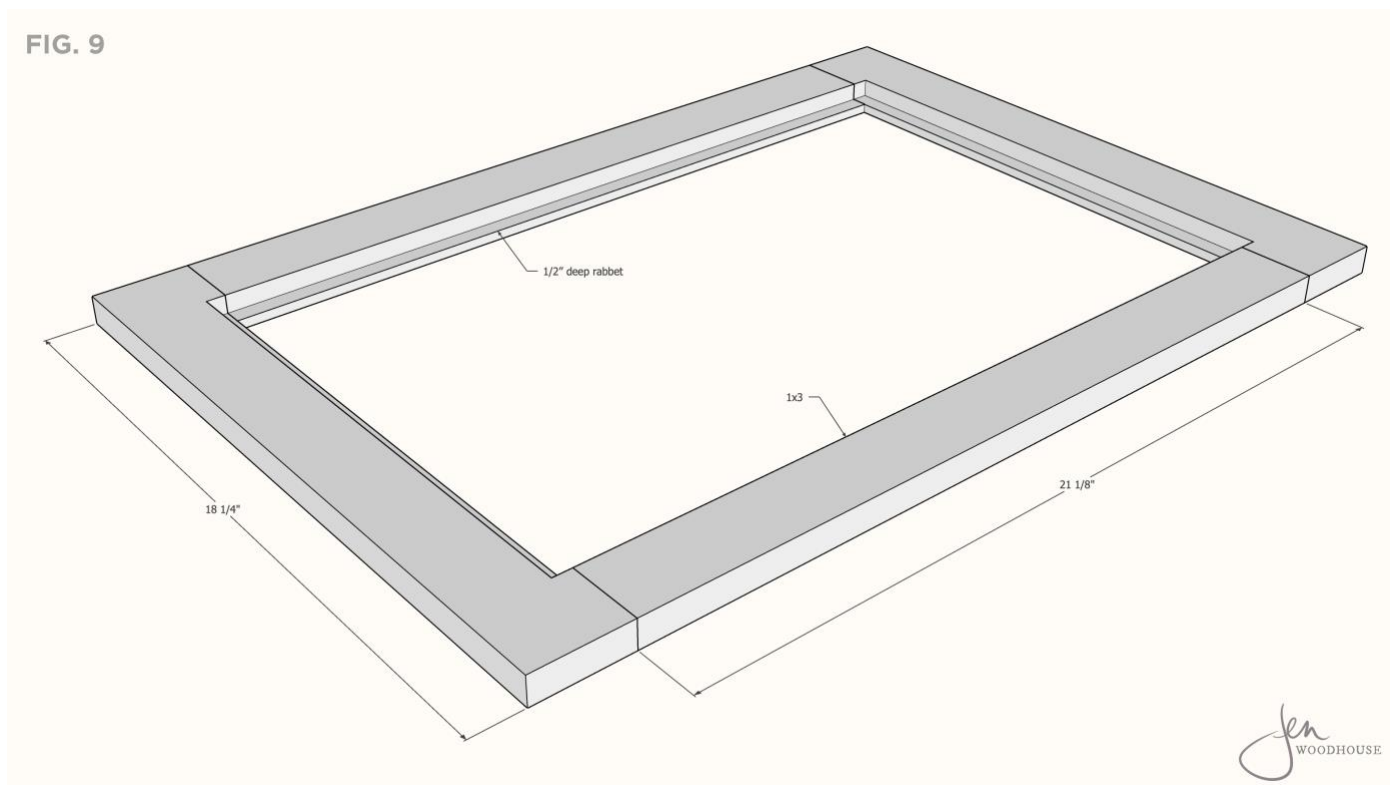
Also, this plan accommodates drawers that are built from 5/8-inch-thick material. You may also need to rip down your boards to accommodate non-standard widths. Measure, mark, and cut the drawer parts and construct the box as shown, with either pocket hole joinery or 1 1/4-inch brad nails and wood glue. Measure, mark, and cut 1/4-inch plywood for the bottom and attach it to the drawer box with 1 1/2-inch staples and wood glue. Build 1 small drawer and 3 large drawer boxes.

FIG. 8



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I used full-extension, soft-closing Blum Tandem Motion Undermount Drawer slides. Install these slides according to the manufacturer's directions – there are also many helpful YouTube videos on how to install these specific slides (additional resources are listed on the last page). If you're using standard metal side-mounted drawer slides, you typically need $\frac{1}{2}$ -inch clearance on both sides of the drawer box, which means you'll be building the drawer box 1 inch narrower than the opening.

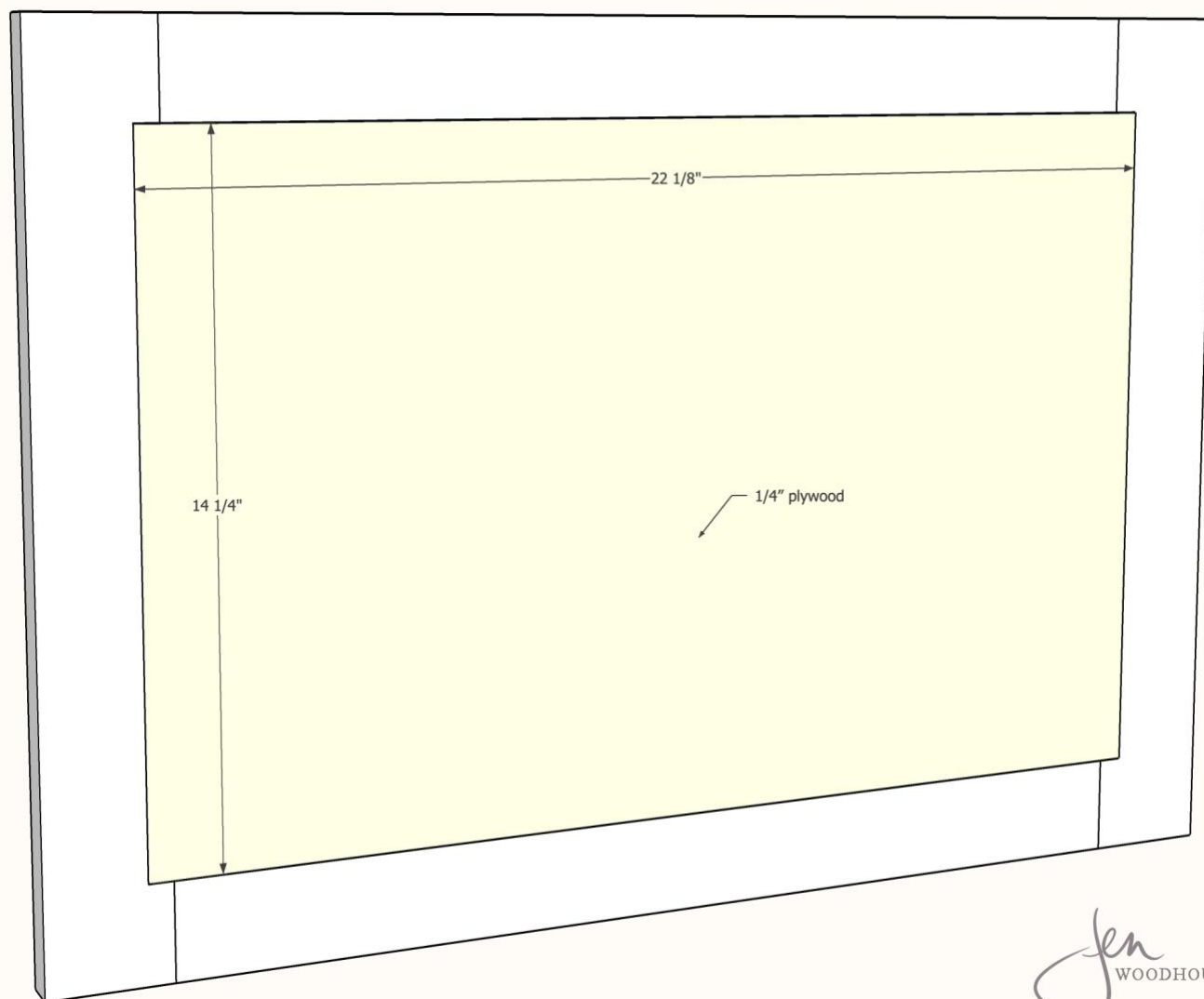


STEP 9 – Build the Door Frames

Measure, mark, and cut the 1x3 boards to length. I used mortise and tenon joinery to build the frames because I preferred not to have any visible metal fasteners, however, feel free to use the joinery of your choice: pocket hole, mortise and tenon, tongue and groove, biscuit, or dowel joinery. Once the frame is built, check for square and adjust as necessary.

Using a palm router with a rabbeting bit, cut a ½-inch deep, ½-inch wide rabbet into the constructed frame as shown. Take multiple, shallow passes to ensure the cleanest, safest cuts. Because the router bit is round, you'll be left with rounded corners. Square off the corners with a chisel and mallet.

FIG. 10

**STEP 10 – Add the Door Panel**

Measure, mark, and cut the 1/4-inch plywood to size. Apply a bead of glue in the rabbet of the door frame and drop the plywood in and secure with 1-inch pin nails. You may want to weight it down until the glue dries.

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FIG. 11a

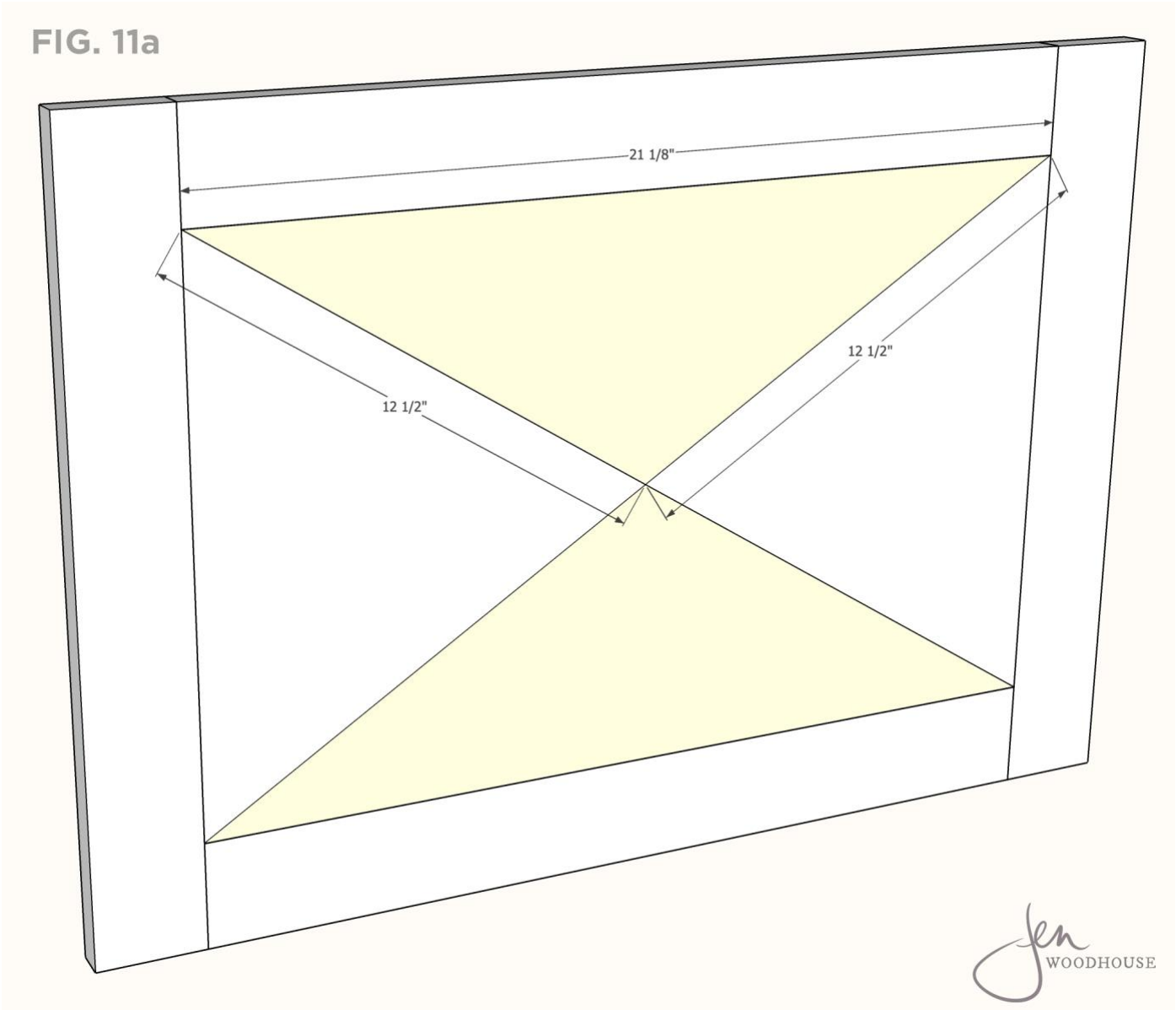
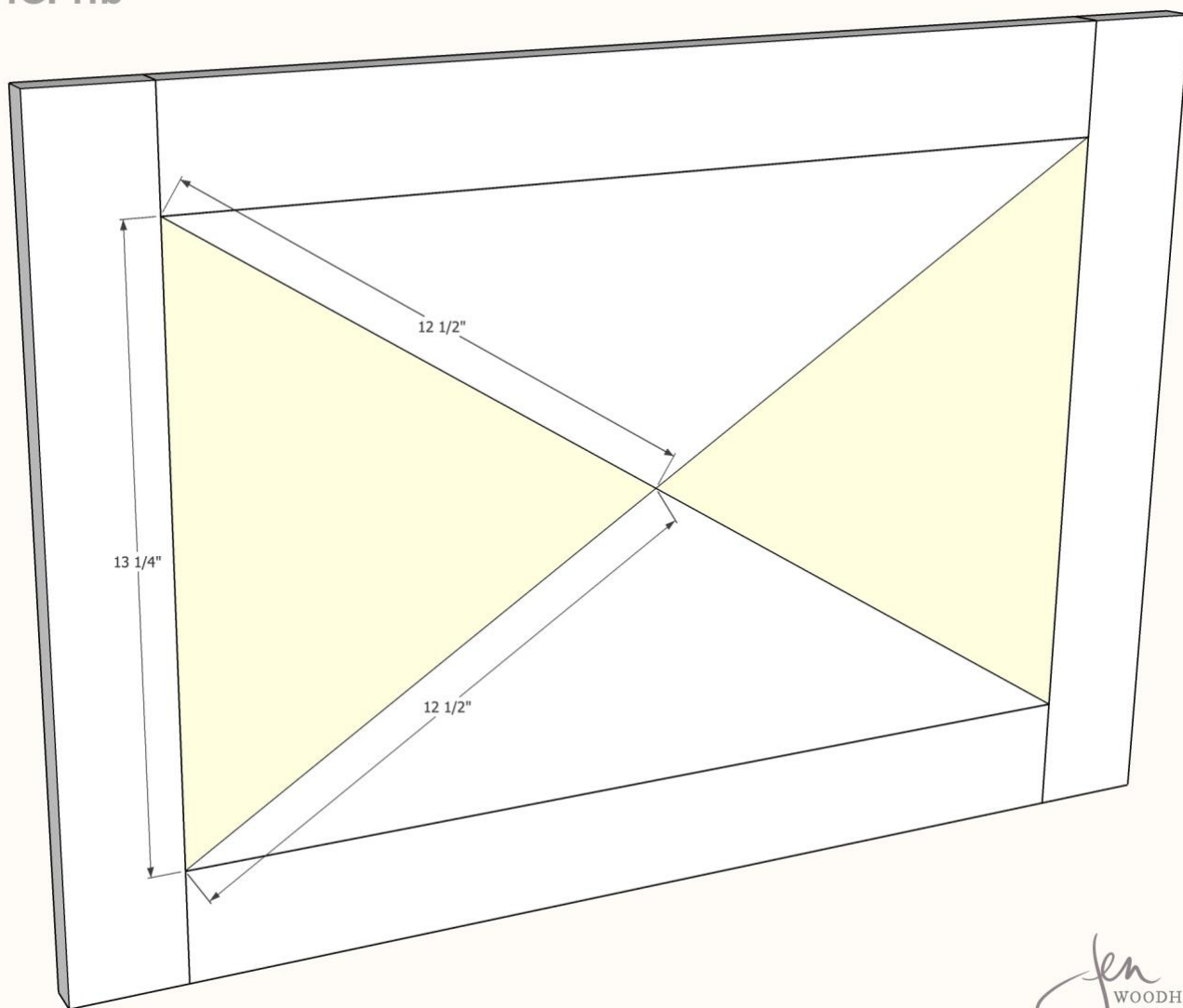


FIG. 11b



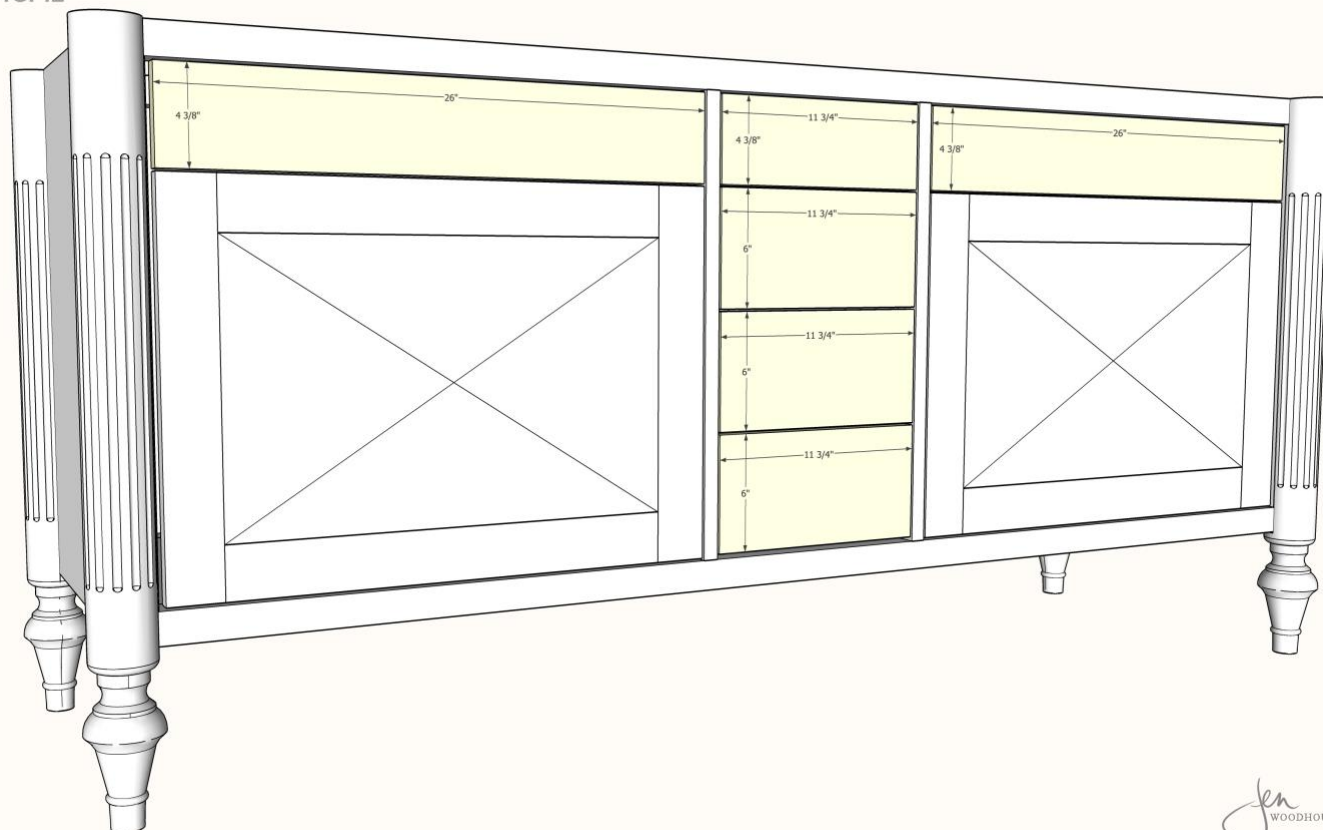
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STEP 11 – Add the Triangle Panels

Measure, mark, and cut the triangle $\frac{1}{4}$ -inch plywood panels to size, paying attention to the direction of the wood grain. I chose to run the wood grain vertically for the top and bottom triangles, and horizontally for the left and right triangles.

Use these measurements as a rough guide – I recommend first finding the center of the panel, drawing a crisscross from each corner, then cutting the plywood according to your drawings. This may take several cuts to get the triangles to fit just right. Attach the triangles to the $\frac{1}{4}$ -inch plywood panel with wood glue and 1-inch pin nails.

FIG. 12

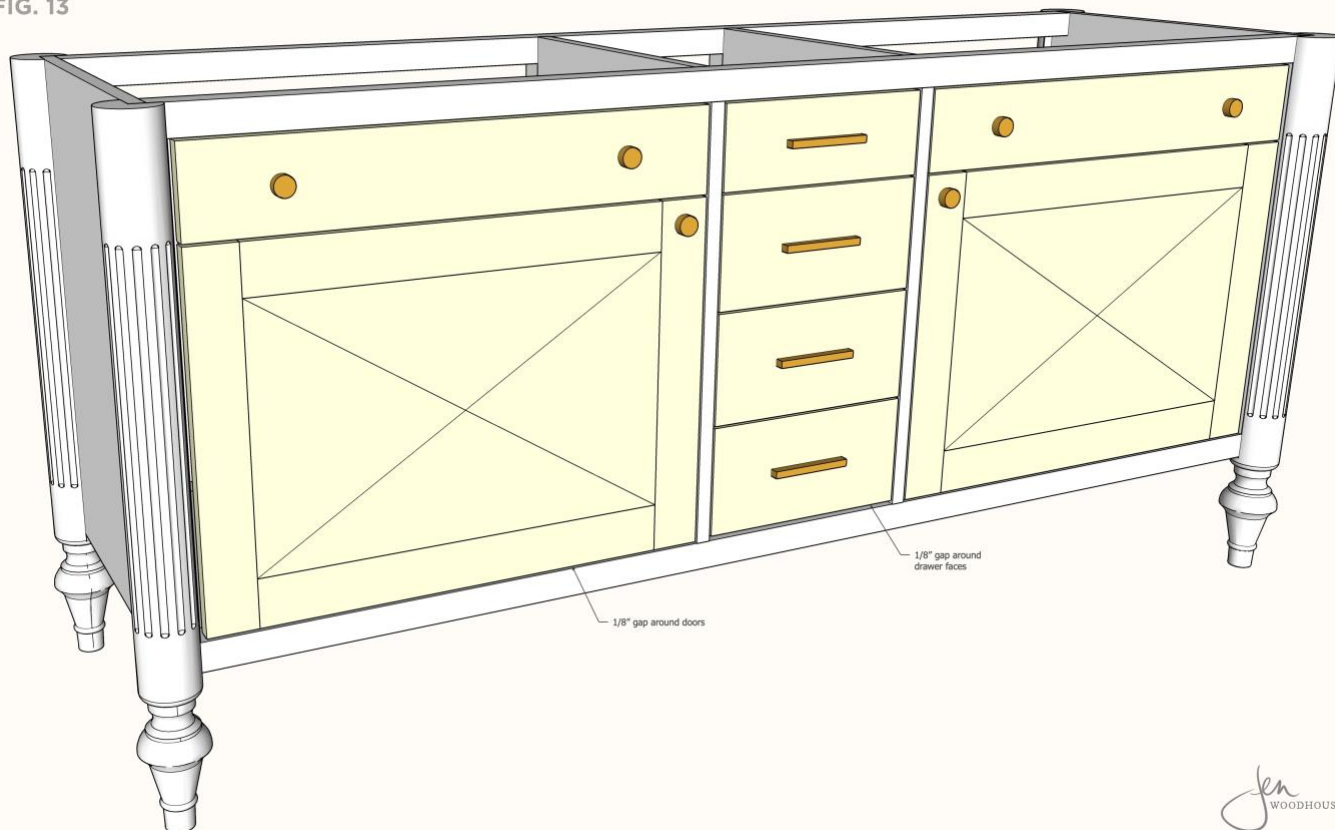


STEP 12 – Cut and Install the Drawer Faces

Measure, mark, and cut the drawer faces to size. Rip the 1x6 board to 4 3/8 inches wide for the top three drawers and rip the 1x8 board to 6 inches wide for the bottom three drawer faces. As previously mentioned, use these measurements as a rough guide. Measure your project and make your cuts accordingly. This plan accounts for a 1/8-inch gap around the drawer faces and doors, however if you'd prefer a smaller tolerance (1/16-inch), then measure the opening and cut the drawer faces accordingly.

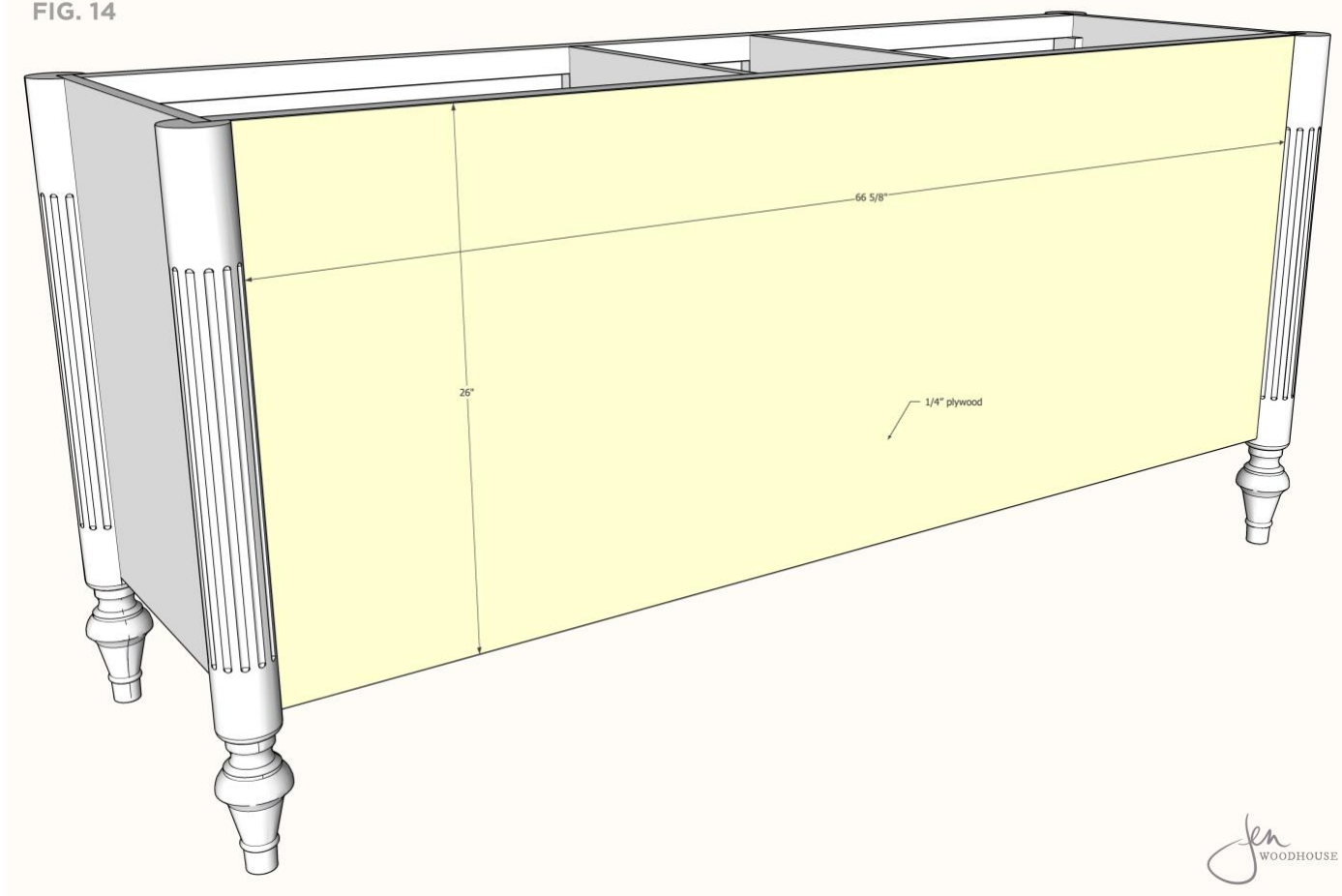
Attach the drawer faces to the drawer boxes by clamping the drawer face in place, then driving in two 1 1/4-inch screws from the inside of the drawer box.

FIG. 13

**STEP 13 - Install the Hinges and Hardware**

Install soft-close tilt-out hinges for the two long, narrow drawers on each side. Attach the Rev-a-Shelf tilt out trays to the inside of these drawers. Install soft-close, frameless cabinet hinges for the doors. I chose to use Blum Clip Top Soft-Close Frameless hinges because they have quite a bit of adjustability, which allows for the door face to move forward and backward, left and right, and up and down. I also added a magnetic clasp to act as a door stop so the door won't swing too far inward. Install the drawer pulls and knobs.

FIG. 14



STEP 14 – Attach the Back Panel

Measure, mark, and cut ¼-inch plywood back panel to size. Attach it to the back with 1 ½-inch staples. Don't forget to cut a hole in the back panel for the sink drains.

Sand, paint and/or stain, and finish as desired.

More Info:

- Visit <https://jenwoodhouse.com> for more info, photos, product links, and details.
- Instagram videos [@jenwoodhouse](https://www.instagram.com/jenwoodhouse) (watch the “DIY Vanity” Highlights reel)
- YouTube video on how to install Blum Tandem Motion Drawer Slides by Jason Bent: <https://youtu.be/K82l1ec7rR0>
- Woodhouse Vanity Legs: <https://www.osbornewood.com/products/woodhouse-vanity-leg>
- Black walnut lumber and hardwood plywood was sourced from [84 Lumber](#).
- Drawers are from <https://quikdrawers.com>
- Finish: Rubio Monocoat Oil Finish in Pure: <https://amzn.to/3JPziUZ>
- Countertop: We had our local stone supplier fabricate the countertop from a remnant slab of Carrera marble.
- Sinks: American Standard Reliant Rectangular 18” Undercounter Sink
- Wall-mounted faucets: https://bit.ly/JW_TownSquare