

GUSTAVIAN 2-DRAWER NIGHTSTAND



Jen
WOODHOUSE

MATERIALS:

- ☐ (1) 4 x 4 Ft. Sheet of ¾-inch Hardwood Plywood
- ☐ (1) 4 x 4 Ft. Sheet of ¼-inch Hardwood Plywood
- ☐ (3) 2 x 2 x 8 Ft. Boards
- ☐ (1) 1 x 6 x 6 Ft. Board
- ☐ (2) 1 x 4 x 8 Ft. Boards
- ☐ (4) 9-inch Furniture Legs
- ☐ (2) 14-inch Drawer Slides
- ☐ ¾-inch Edge Banding
- ☐ Wood Glue
- ☐ 120- to 320-Grit Sanding Discs
- ☐ Stain/Paint and Finishing Supplies

TOOLS:

- ☐ Tape Measure
- ☐ Pencil
- ☐ Speed Square
- ☐ Cordless Drill/Driver
- ☐ Table Saw
- ☐ Compound Miter Saw or Circular Saw
- ☐ Router with ¼-inch Straight Bit
- ☐ Pocket Hole Jig
- ☐ Cordless Stapler
- ☐ Clamps
- ☐ Orbital Sander
- ☐ Safety Gear

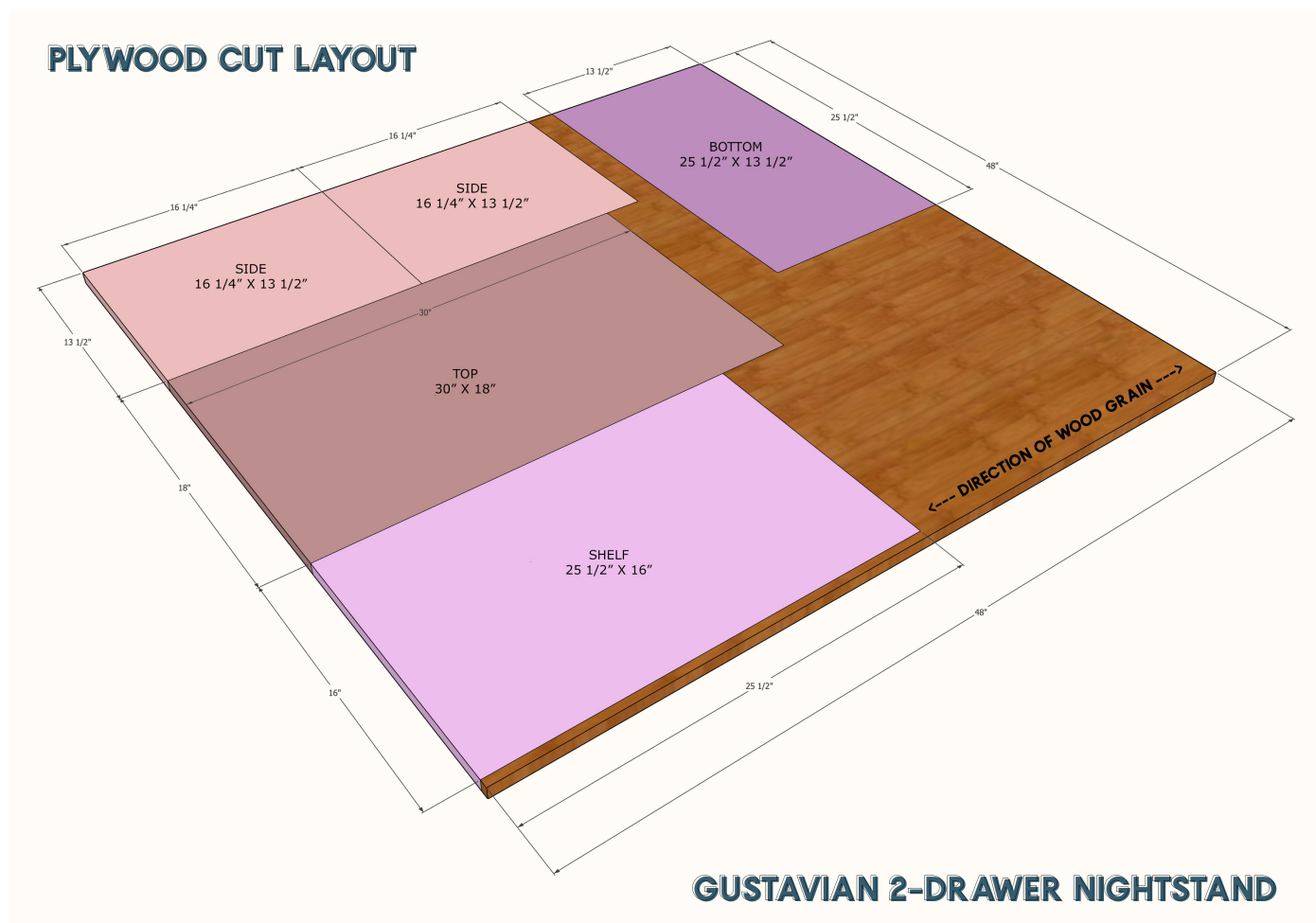
CUT LIST:

- ☐ (4) 2x2 @ 19 ¼ inches (stiles)
- ☐ (4) 2x2 @ 13 ½ inches (rails)
- ☐ (2) ¾-inch plywood @ 16 ¼ inches x 13 ½ inches (side panels)
- ☐ (2) 2x2 @ 25 ½ inches (bottom rails)
- ☐ (1) ¾-inch plywood @ 25 ½ inches x 13 ½ inches (bottom panel)
- ☐ (2) 2x2 @ 25 ½ inches (top rails)
- ☐ (1) 1x2 @ 25 ½ inches (middle rail)
- ☐ (1) ¾-inch plywood @ 25 ½ inches x 16 inches (shelf)
- ☐ (1) ¼-inch plywood @ 28 ½ inches x 19 ¼ inches (back)
- ☐ (1) ¾-inch plywood @ 30 inches x 18 inches (top)

2 Drawers:

- ☐ (4) 1x4 @ 14 inches (sides)
- ☐ (2) 1x4 @ 22 ¾ inches (front)
- ☐ (2) 1x4* @ 22 ¾ inches (back)
- ☐ (2) ¼-inch plywood @ 23 ¼ inches x 13 ½ inches (bottom)
- ☐ (2) 1x6 @ 25 ¼ inches (face)

*The back 1x4 boards should be ripped to 2 ¾ inches wide.

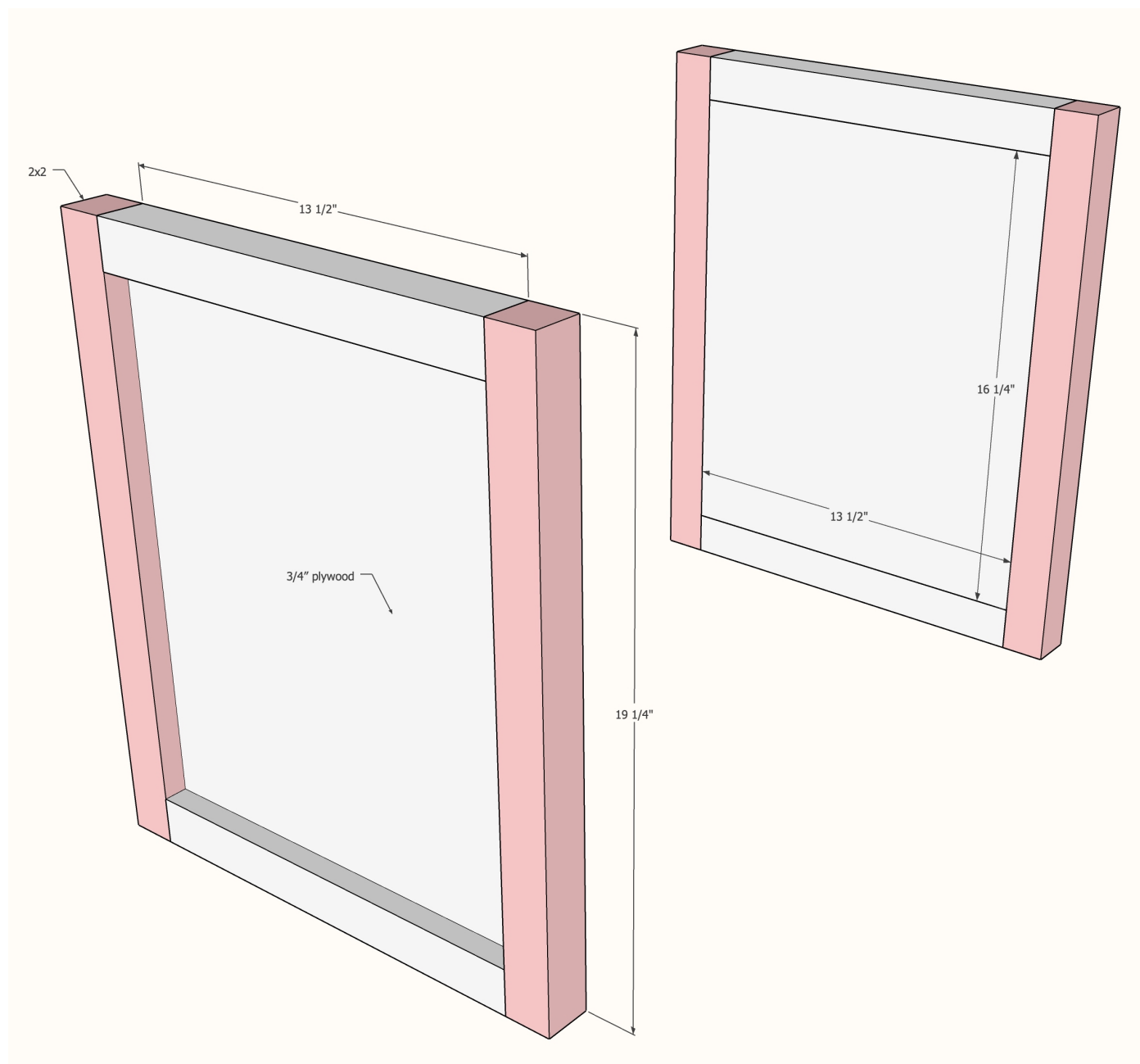


Set the table saw fence to 13 ½ inches wide and run the plywood all the way through, across the direction of the wood grain. You're going to be cutting the bottom piece first.

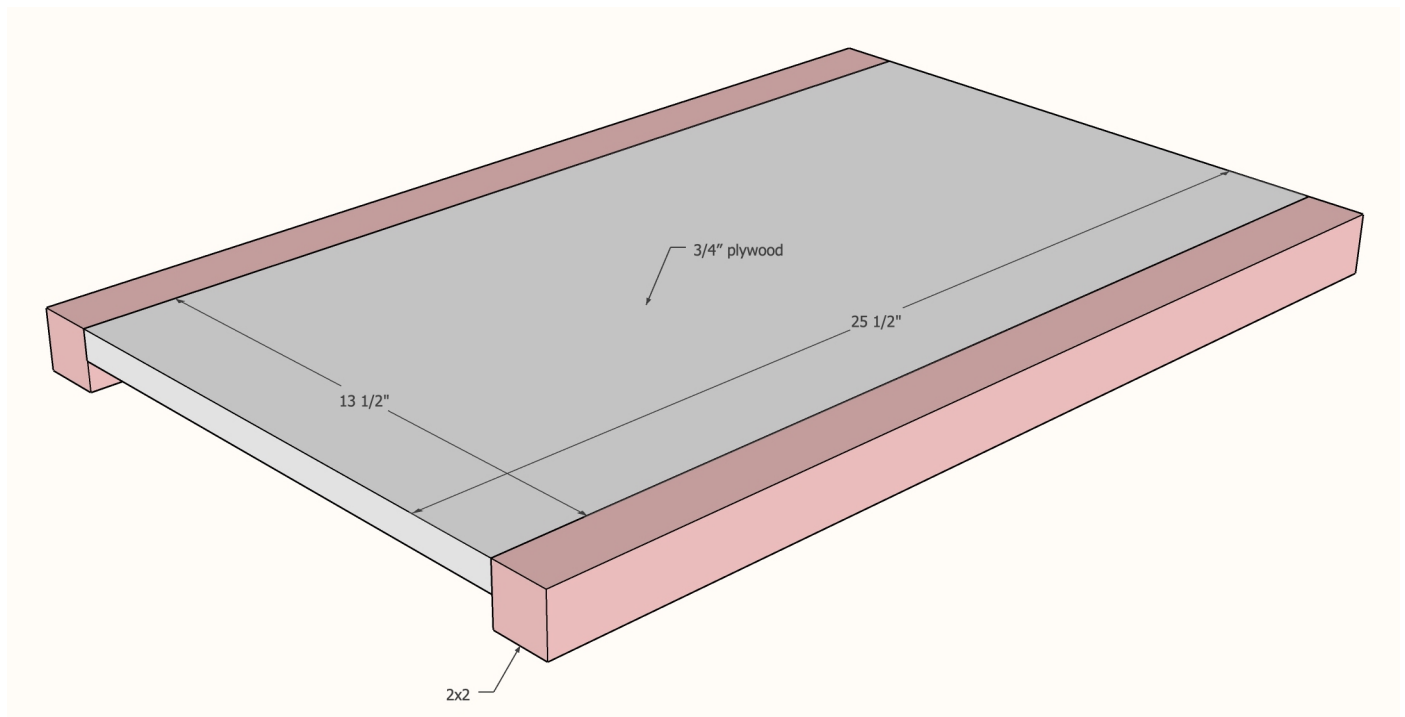
Next, keep the same setting on the table saw and turn the plywood 90° so that you're cutting along the direction of the wood grain. Rip the plywood all the way through for the two side pieces.

Then, set the saw fence to 18 inches wide and rip the plywood, along the direction of the wood grain to cut out the top piece.

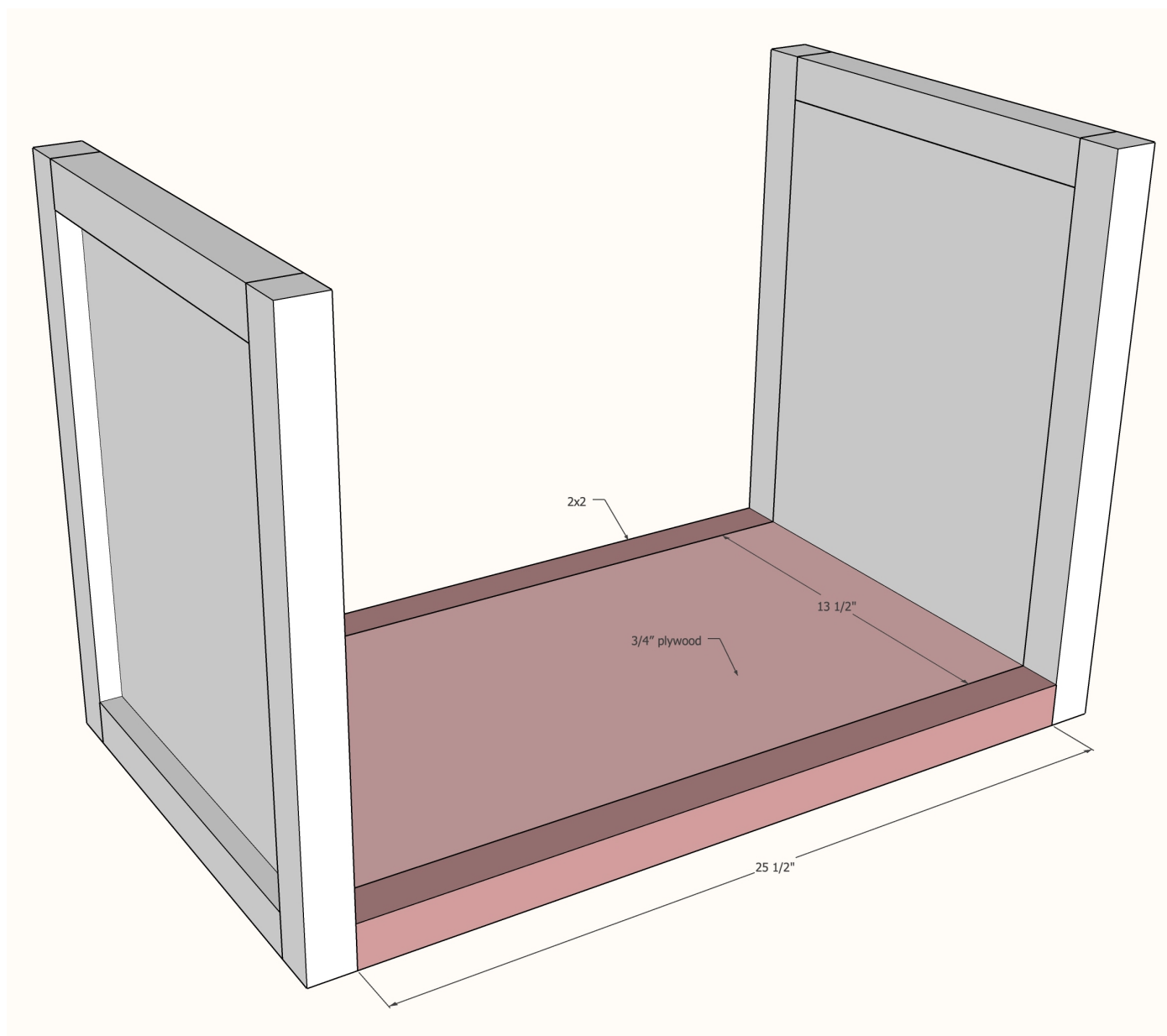
Finally, set the saw fence to 16 inches wide and rip the plywood, along the direction of the wood grain to cut out the shelf piece.

**STEP 1 – Build the two side panels**

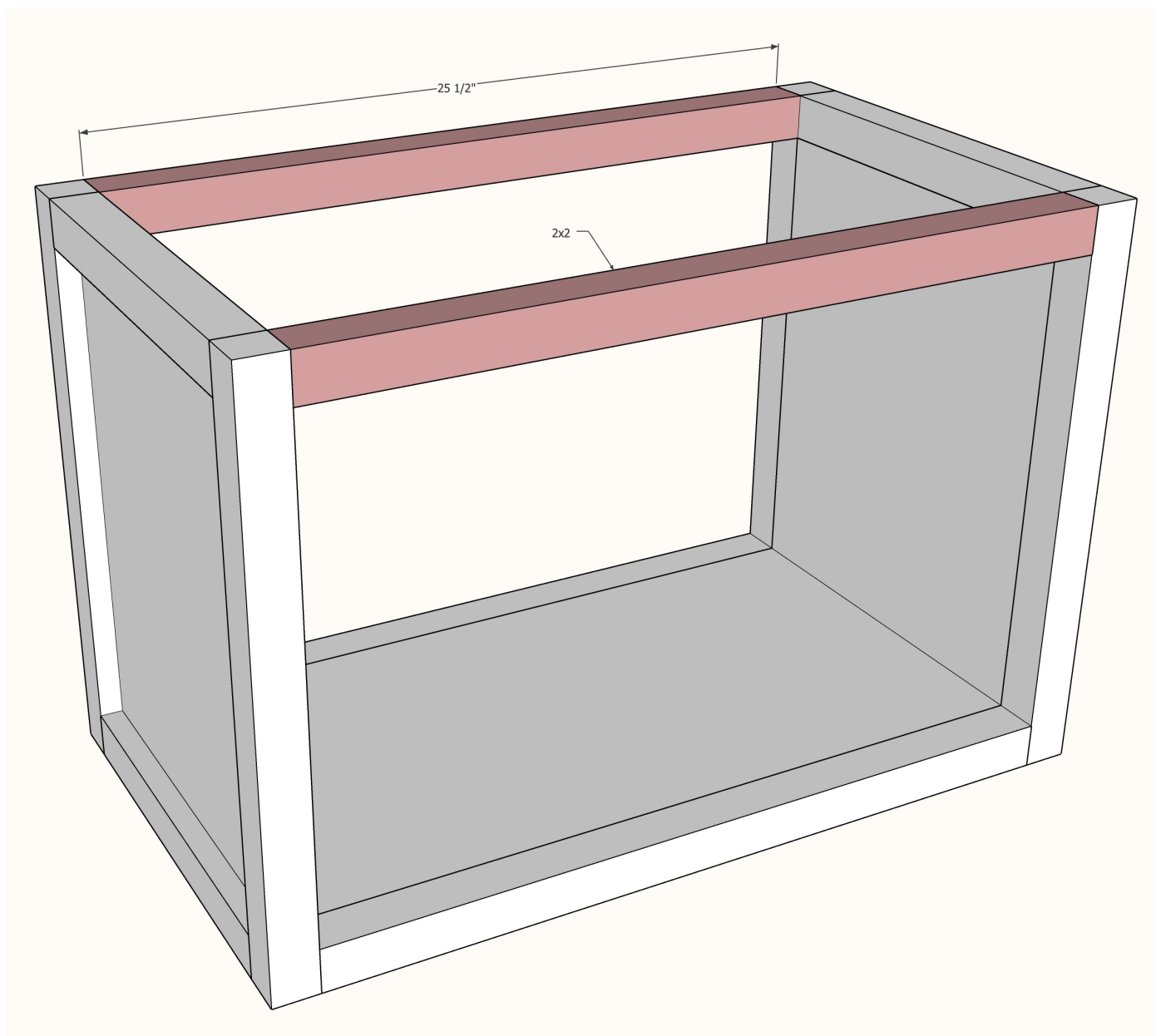
Measure, mark, and cut 2x2 rails and stiles to length. Measure, mark, and cut $\frac{3}{4}$ -inch plywood to size. Drill $\frac{3}{4}$ -inch pocket holes along all the edges of the plywood. Drill $1\frac{1}{2}$ -inch pocket holes into the 2x2 rails. Construct side panels as shown with $1\frac{1}{4}$ -inch pocket screws and wood glue. Notice that the plywood panels are flush to the interior sides of the 2x2 frame.

**STEP 2 – Build the bottom panel**

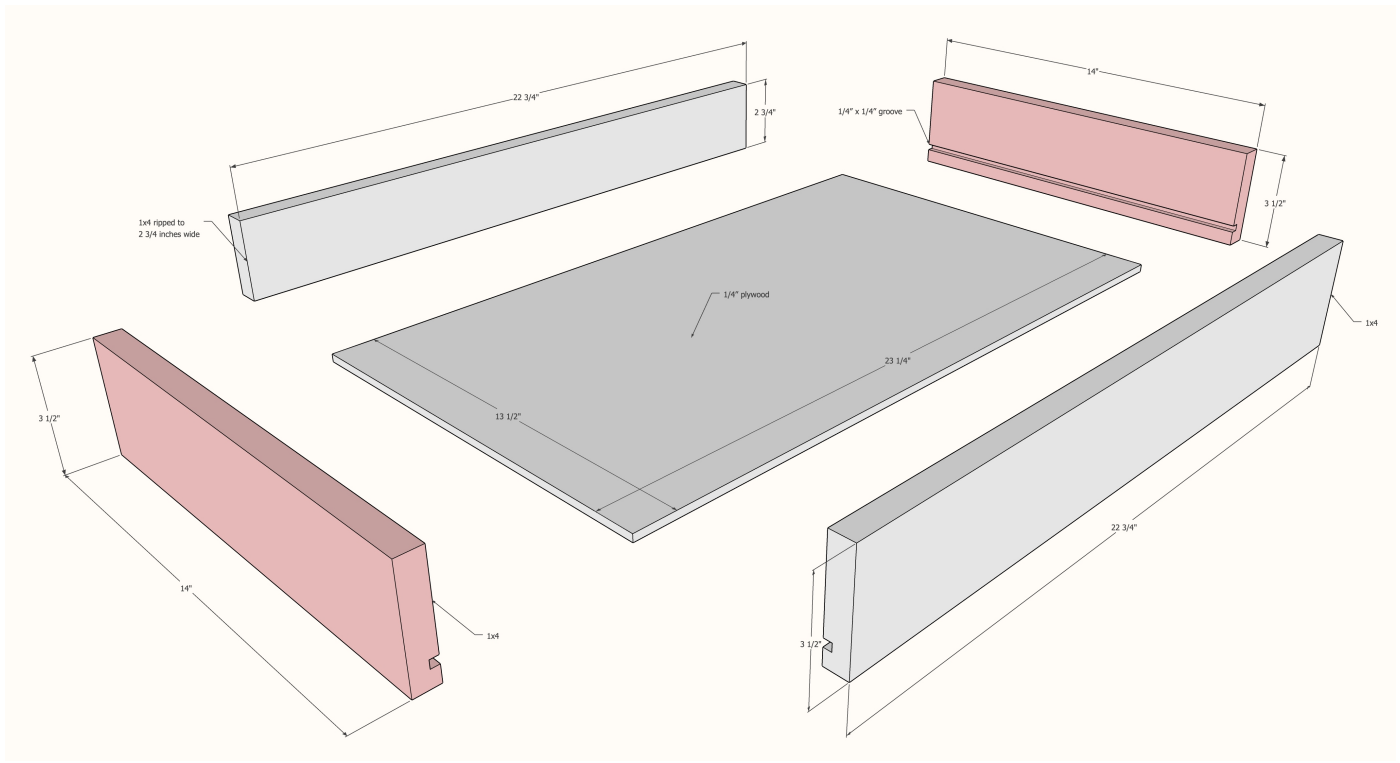
Measure, mark, and cut 2x2 bottom rails and 3/4-inch plywood to size. Drill 3/4-inch pocket holes along all edges of the plywood. Drill 1 1/2-inch pocket holes into the ends of the 2x2 rails. Construct the bottom panel as shown with 1 1/4-inch pocket screws and wood glue. The bottom plywood panel should be flush to the top of the rails so that there is no 'lip' along the bottom panel.

**STEP 3 – Attach the bottom panel**

Attach the bottom panel to the side panels with 1 ¼-inch pocket screws and wood glue. Attach the 2x2 bottom rails with 2 ½-inch pocket screws and wood glue.

**STEP 4 – Attach the top rails**

Measure, mark, and cut the 2x2 top rails to length. Drill 1 ½-inch pocket holes into the ends and attach the 2x2s as shown with 2 ½-inch pocket screws and wood glue. Check the carcass for square and adjust as necessary.

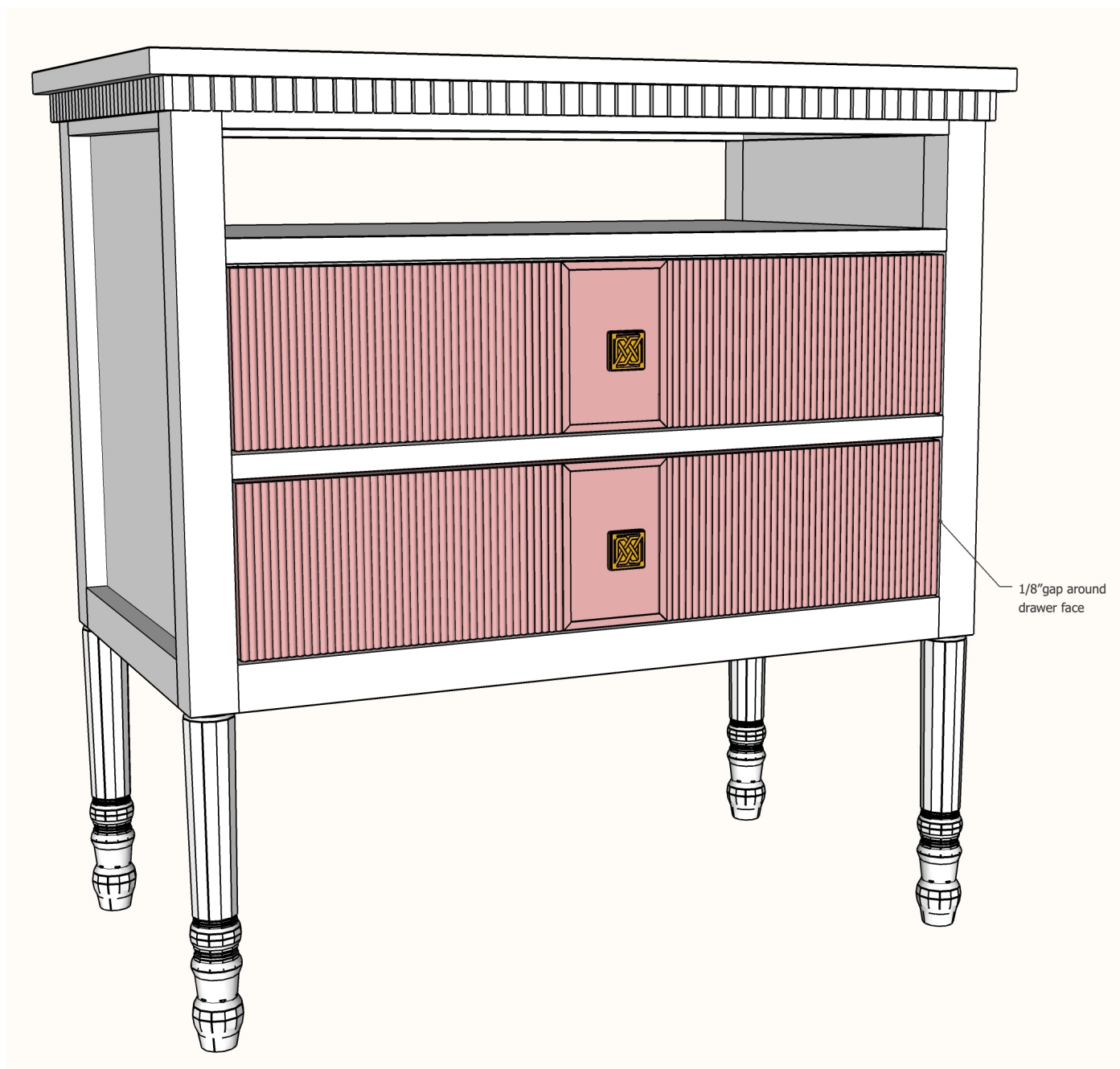


STEP 5 – Build the drawers

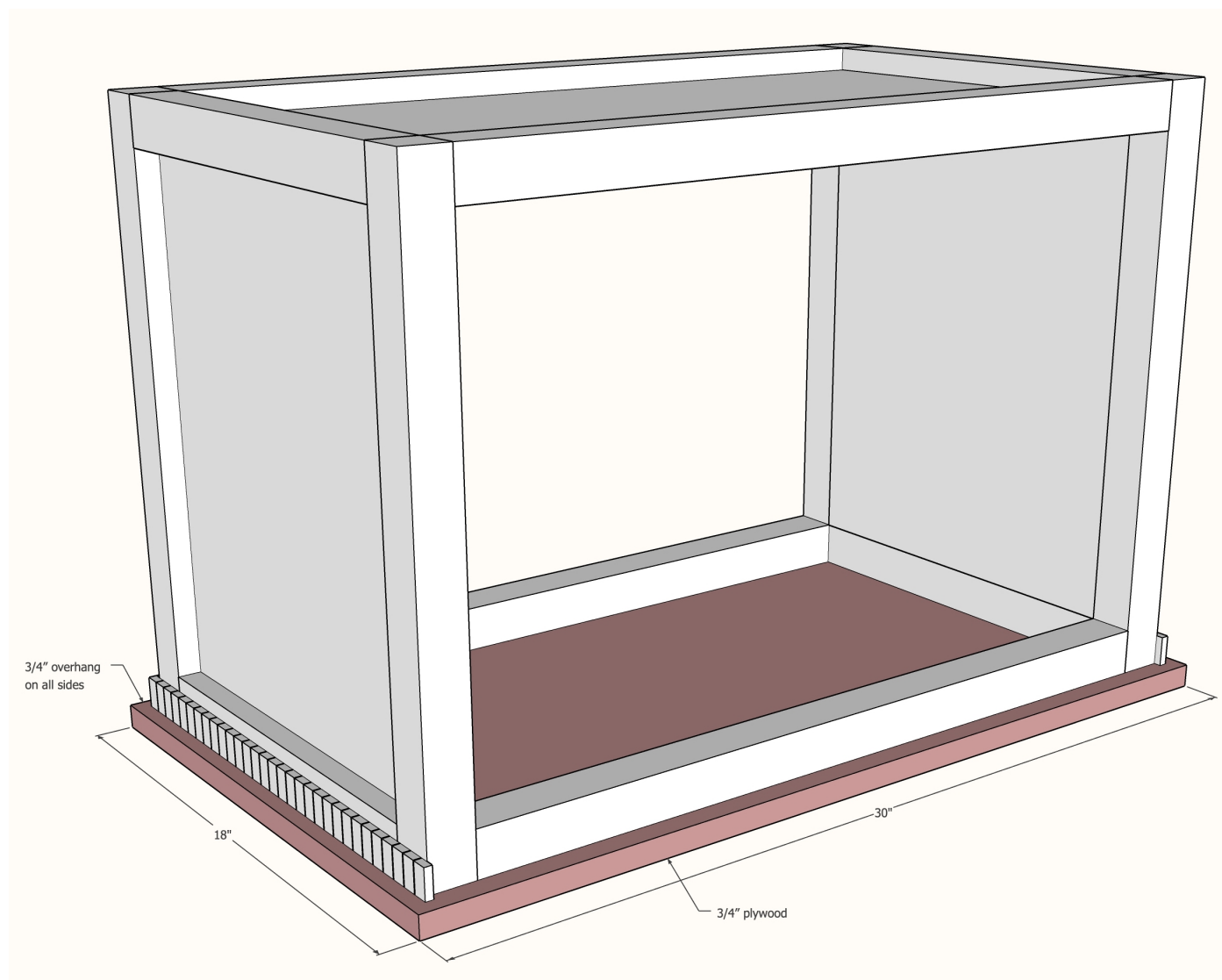
Measure the width of the space where the drawers will go. Because standard metal drawer slides typically require a ½-inch clearance on each side, you'll build the drawer box 1 inch narrower than the space it's going into. It's best to measure the space for the drawer and then build the drawer box accordingly.

Measure, mark, and cut drawer parts and label them. Route a ¼-inch x ¼-inch groove along the drawer sides and front, ½ inches up from the bottom edge. Rip the back boards to 2 ¾ inches wide.

Measure, mark, and cut ¼-inch plywood bottom to size. Drill ¾-inch pocket holes into the front and back drawer parts. Attach the drawer sides to the front with 1 ¼-inch pocket screws and wood glue. Slide the ¼-inch plywood bottom into the grooves. Attach the drawer back to the sides with 1 ¼-inch pocket screws and wood glue. Staple along the back edge of the plywood bottom to secure the plywood bottom to the drawer back.

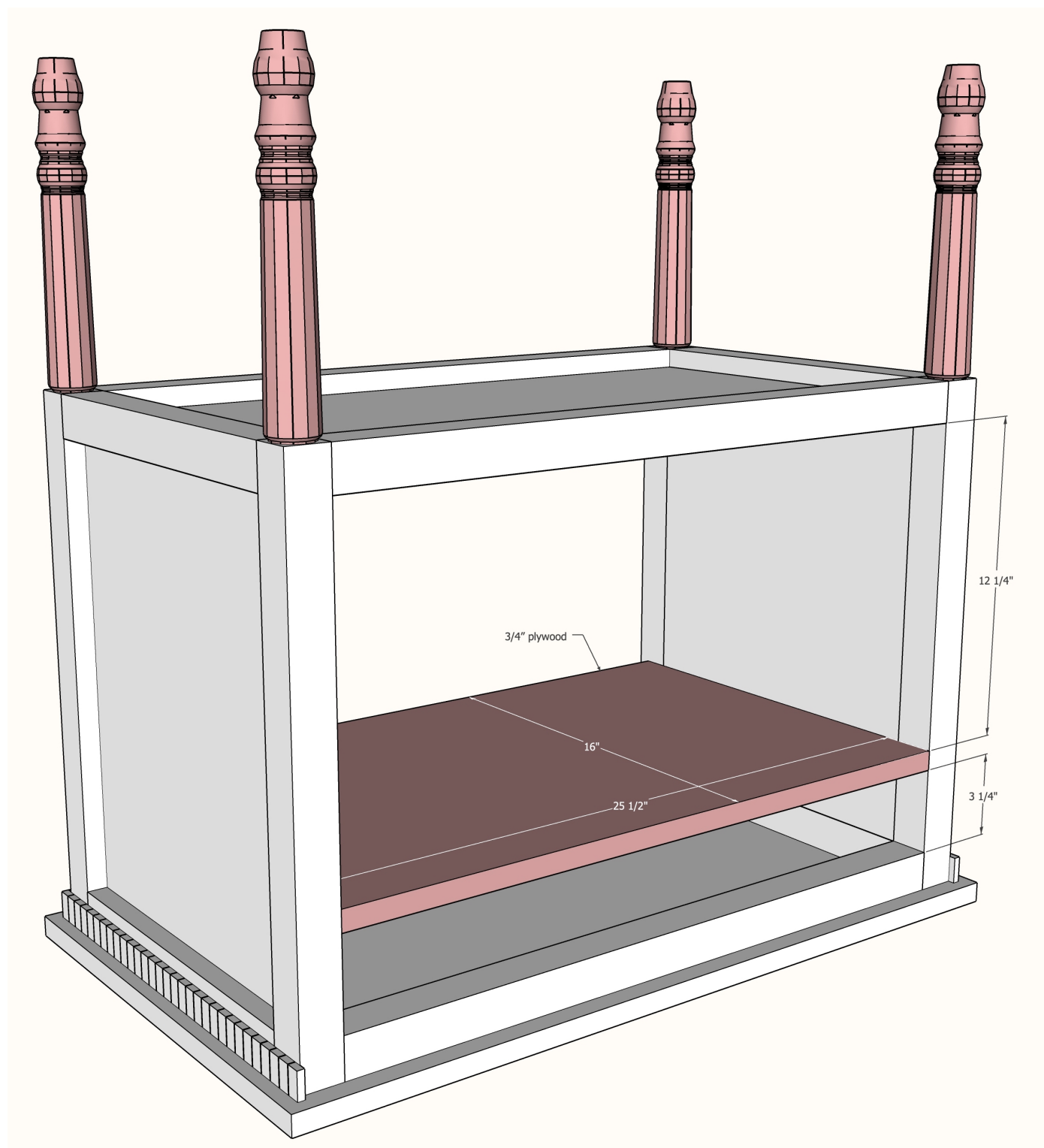
**STEP 6 – Install the drawer slides**

Install drawer slides according to manufacturer's directions. Be sure to position the drawer slides $\frac{3}{4}$ -inch back so that the drawer face will sit flush to the front of the cabinet.



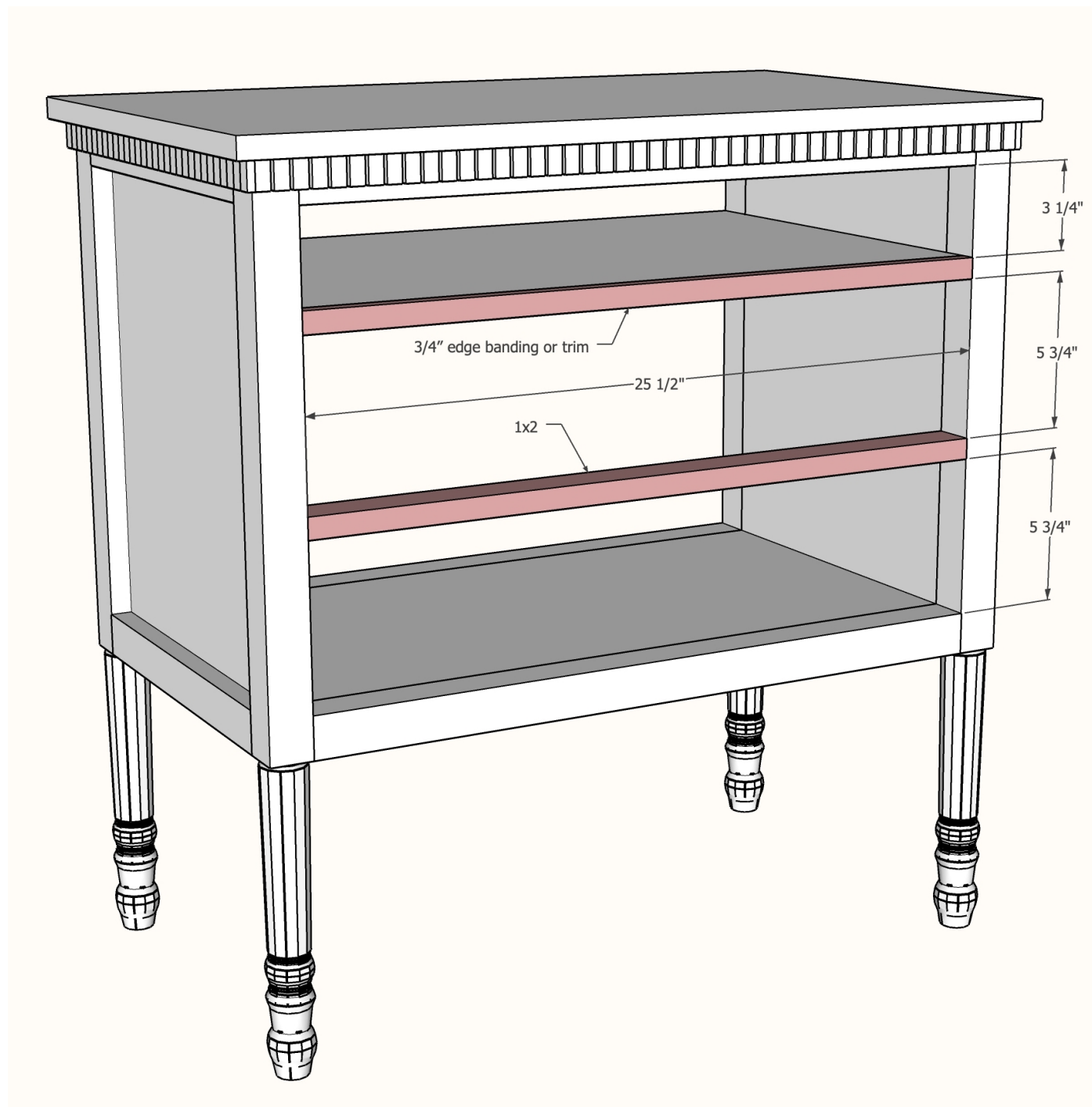
STEP 7 – Attach the top

Measure, mark, and cut $\frac{3}{4}$ -inch plywood top to size. Lay the top down on the ground with the good face down (you may want to protect the top with a drop cloth). Take out the drawers and flip the nightstand over, positioning it so that there's a $\frac{3}{4}$ -inch overhang on all sides. Pre-drill pilot holes and attach the top with 2-inch wood screws and wood glue. Finish the raw plywood edges of the top with iron-on $\frac{3}{4}$ -inch edge banding or trim.



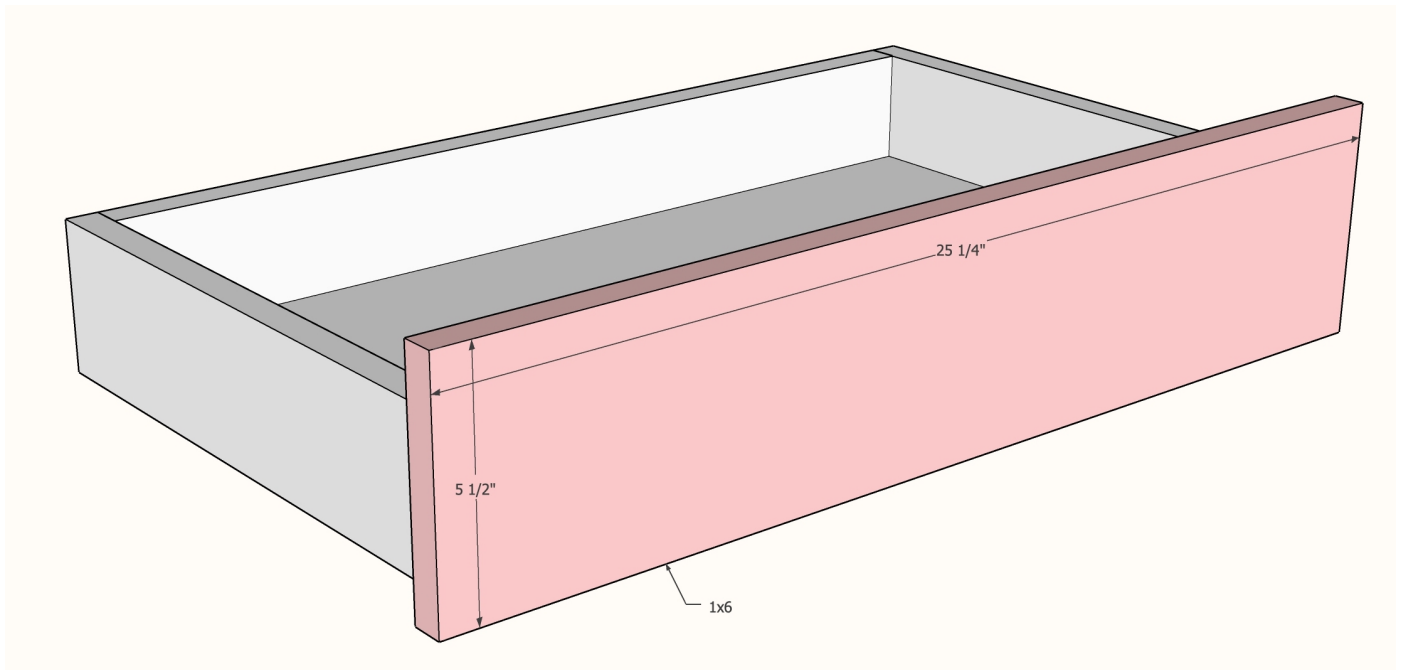
STEP 8 – Add the shelf

Measure, mark, and cut plywood shelf to size. Drill $\frac{3}{4}$ -inch pocket holes into the left and right edges. Cut four $3\frac{1}{4}$ " spacers from scrap wood and keep the nightstand flipped over. Position the spacers at each corner to hold the shelf up while you attach it to the nightstand. Attach the shelf with $1\frac{1}{4}$ -inch pocket screws and wood glue. You can screw on the furniture legs at this point or wait until the after the last step.

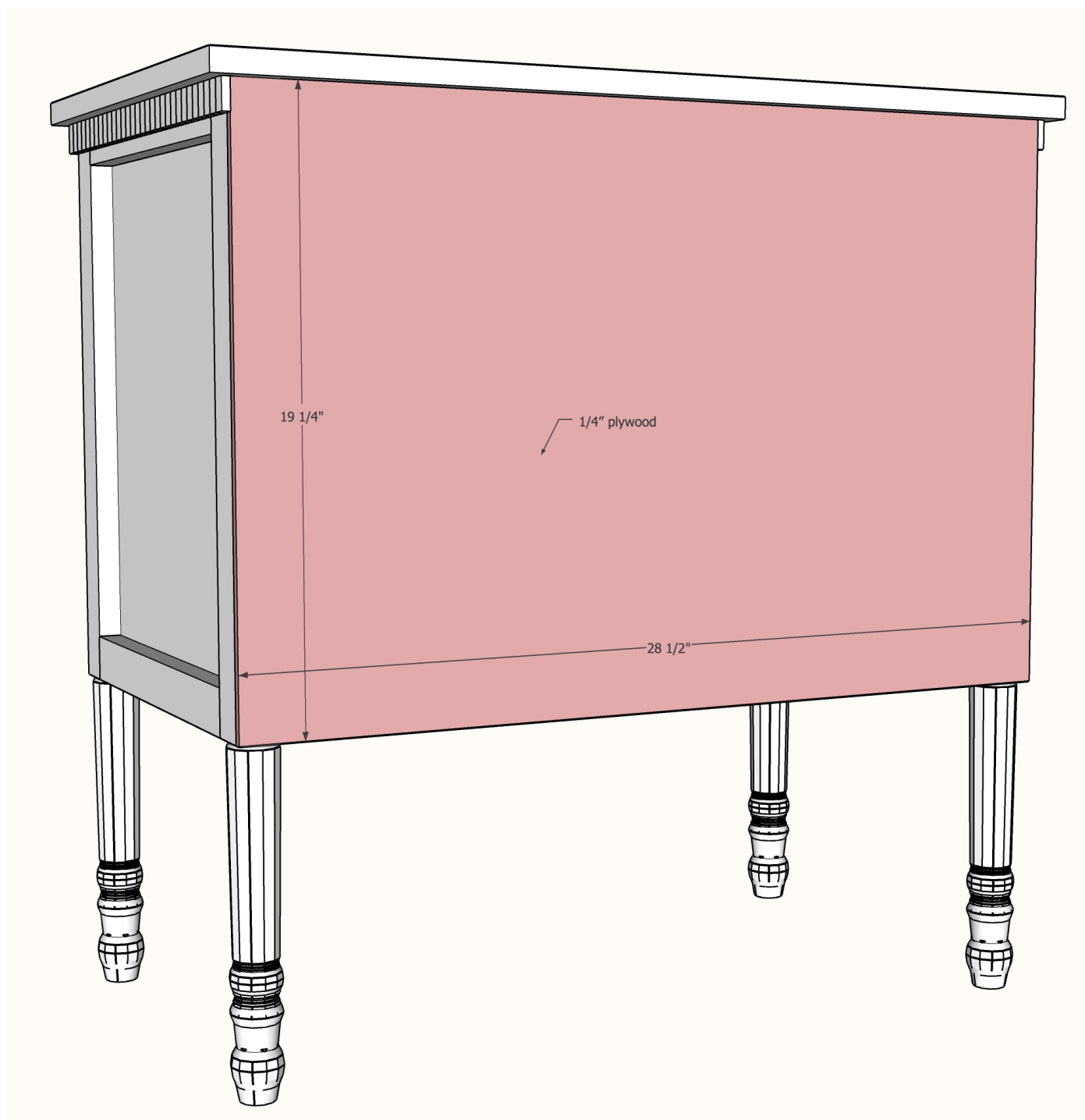


STEP 9 – Add front trim

Measure, mark, and cut 1x2 rail to length. Drill $\frac{3}{4}$ -inch pocket holes into the ends and attach to the carcass with 1 $\frac{1}{4}$ -inch pocket screws and wood glue. Finish the raw plywood edge of the shelf with some $\frac{3}{4}$ -inch trim or edge-banding.

**STEP 10 – Add the drawer face**

Measure, mark, and cut 1x6 drawer face to length. Slide the drawer box into place, then position and clamp the drawer face onto the drawer box. Be sure to leave a 1/8-inch gap all around the drawer face. Attach the drawer face by driving 1 1/4-inch pan-head wood screws in from the inside of the drawer box. Install drawer knobs.

**STEP 11 – Attach the back panel**

Measure, mark, and cut the 1/4-inch plywood panel to size. Attach to the back of the nightstand with 1-inch staples and wood glue.

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

For more information, visit JenWoodhouse.com to read the blog post and watch the video on YouTube!