

**MATERIALS:**

3 – 1x2x8'
1 – 36" Dowel (3/4" diameter)
1 – 1x4x8'
½ Sheet of ¼" Plywood
2 – Connecting Bolts
2 – Connecting Cap Nuts
2 – Washers

CUT LIST:

4 – 1x2 @ 40" (legs)
1 – dowel @ 16 ½" (top support)
1 – dowel @ 15" (top support)
1 – 1x2 @ 18" (bottom stretcher)
1 – 1x2 @ 16½" (bottom stretcher)
2 – 1x4 @ 26 ½" (tray long sides)
2 – 1x4 @ 19 ½" (tray short sides)

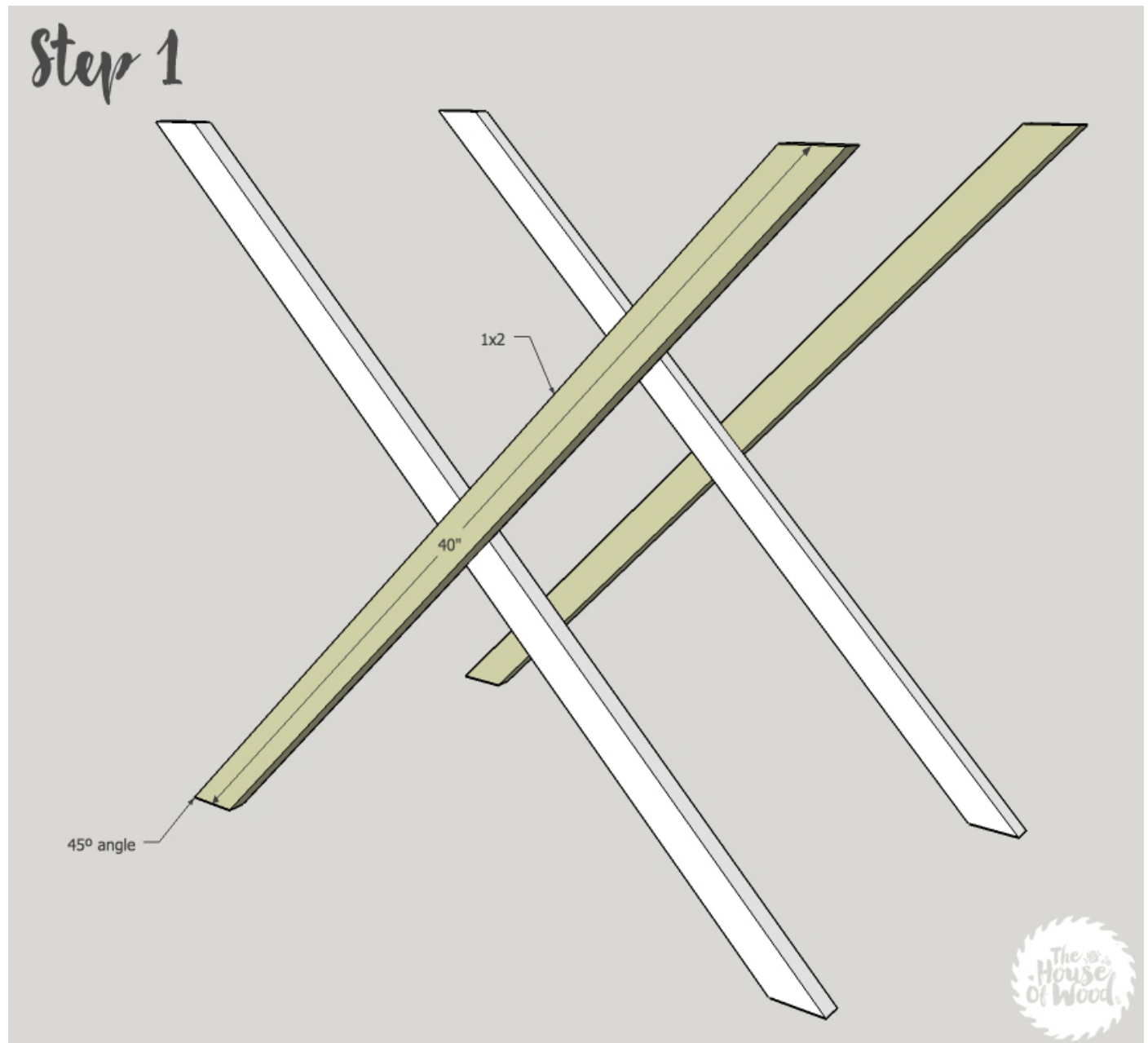
1 ¼" Wood Screws	1 – ¼" plywood @ 27" x 18 ½" (tray bottom)
1 ¼" Brad Nails	
1 ¼" Pocket Hole Screws	
2 Yards of 2" Polyester Webbing	
All-Purpose Thread	
Wood Glue	

TOOLS:

Tape Measure	Speed Square
Pencil	Drill with a ¾" Spade Bit
Miter Saw	Table Saw or Router with ¼" Straight Bit
Kreg Jig	Kreg Rip-Cut
Brad Nailer or Hammer	Needle and Thread or Sewing Machine
Safety Glasses	Hearing Protection

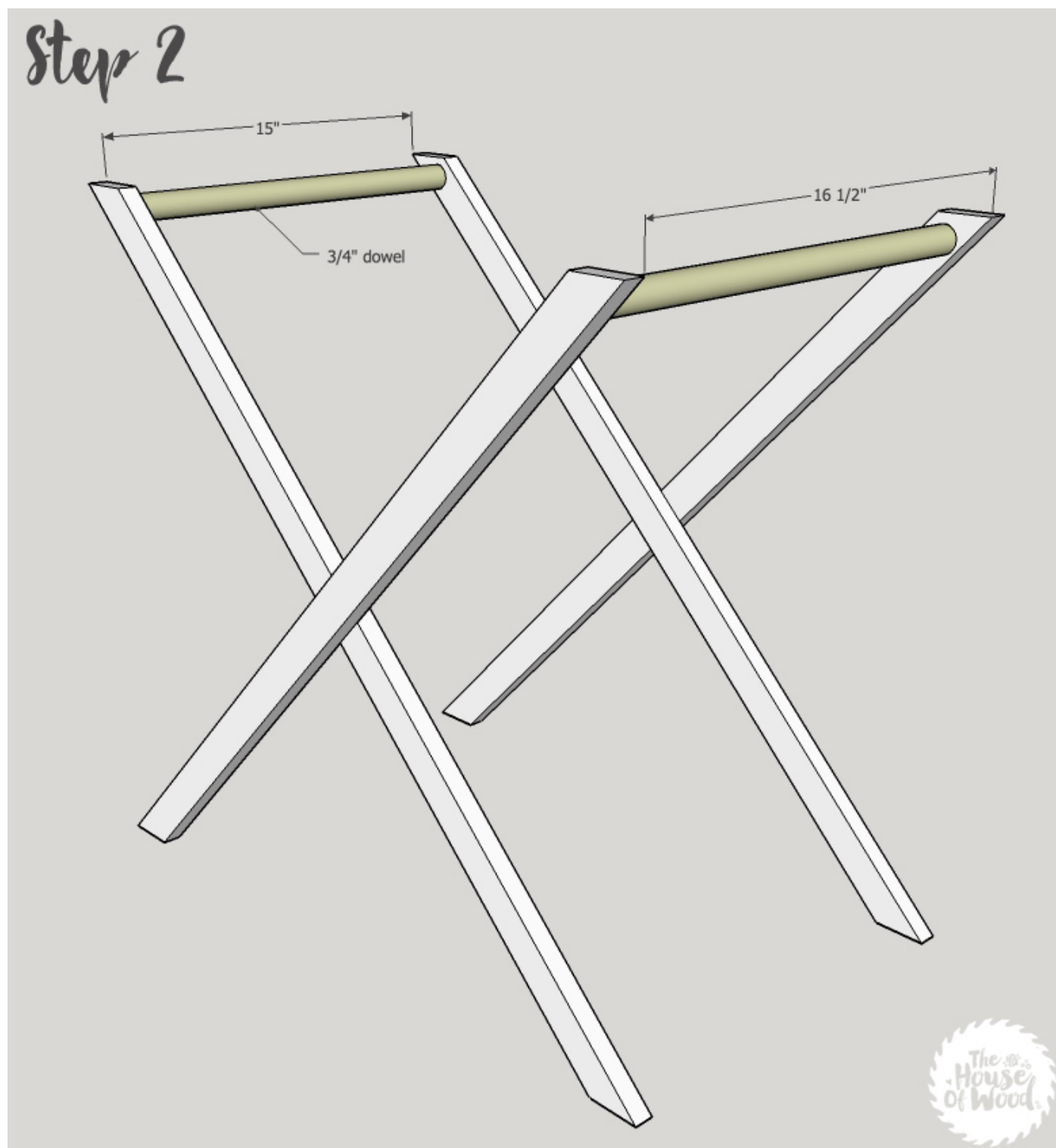
STEP 1

Cut four 1x2 boards to 40" (measurement is from long point to long point), mitering the ends at 45° parallel angles. Drill a hole in the middle for the connecting bolts and cap nuts. The legs will be held together with the connecting bolts and cap nuts, with a washer in between. This will allow the X pieces to open and close.



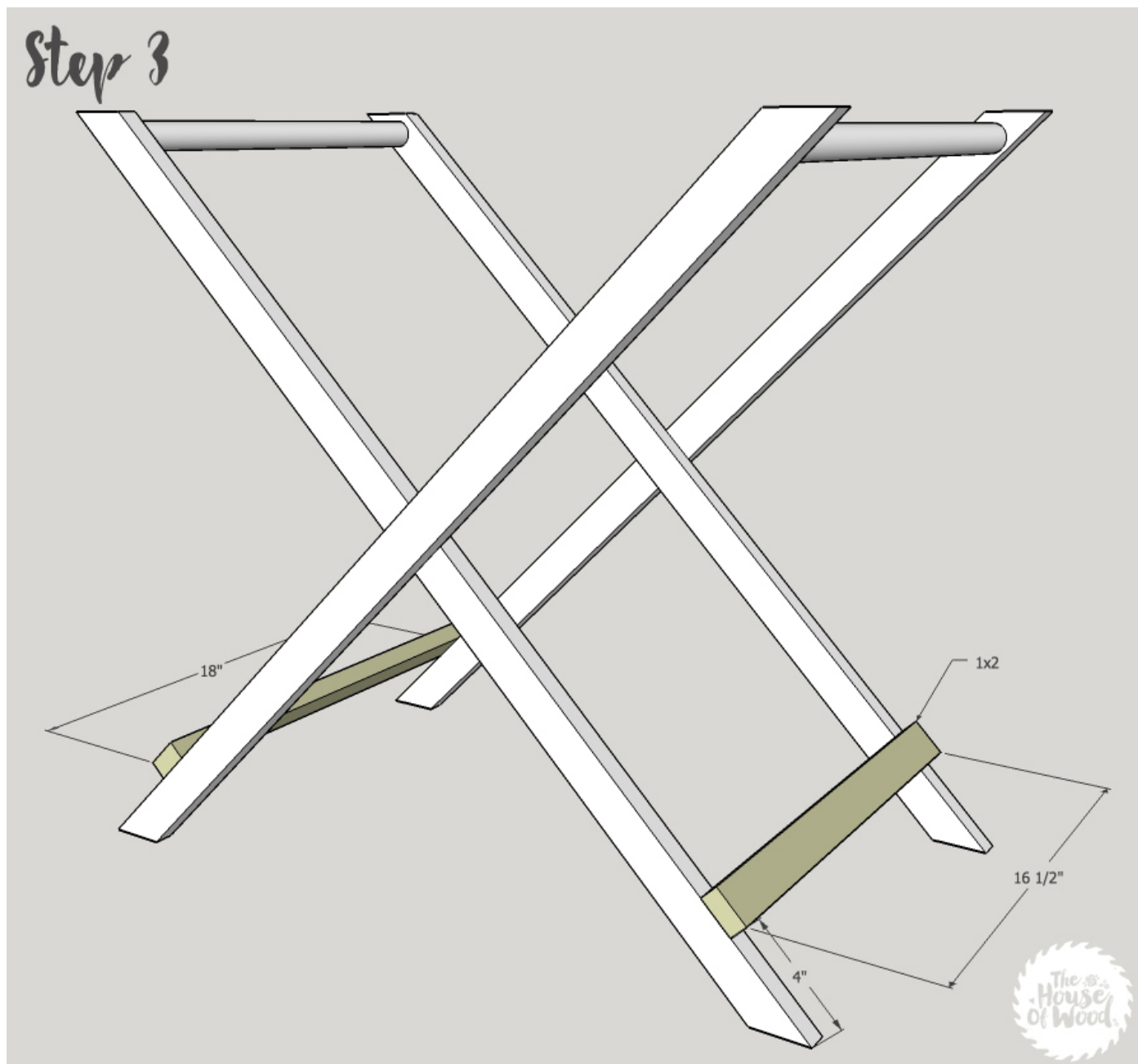
STEP 2

Using a $\frac{3}{4}$ " spade bit, drill a $\frac{1}{4}$ "-depth hole into the top of the legs for the dowel to sit into. Cut a $\frac{3}{4}$ "-dia. dowel to 16 $\frac{1}{2}$ " and 15" lengths and sew the polyester webbing onto the dowels to keep the legs from swinging open too wide. Attach the dowel to the legs with 1 $\frac{1}{4}$ " wood screws and wood glue.



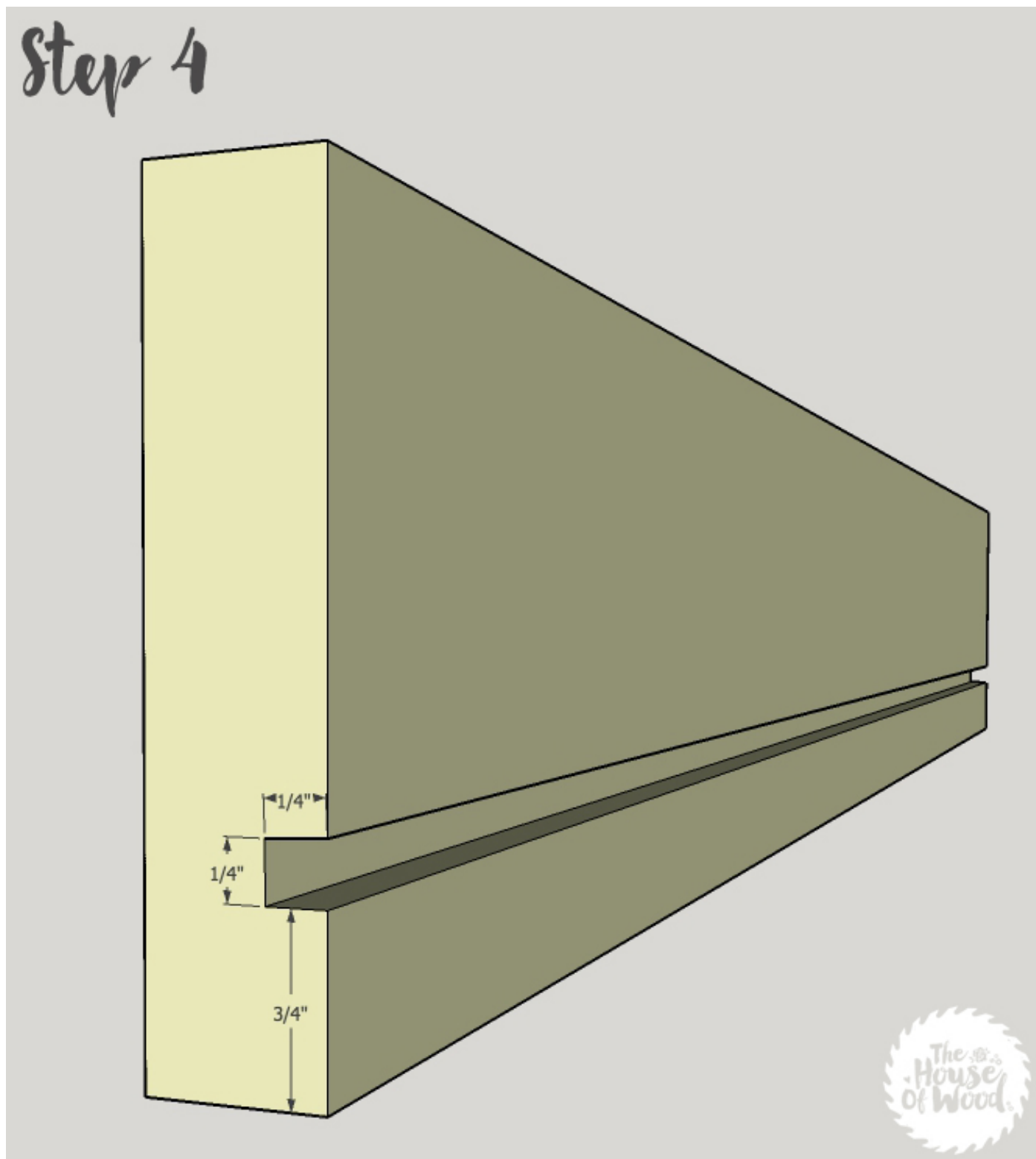
STEP 3

Cut 1x2 boards at 18" and 16½" and attach to frame with wood glue and 1¼" brad nails.



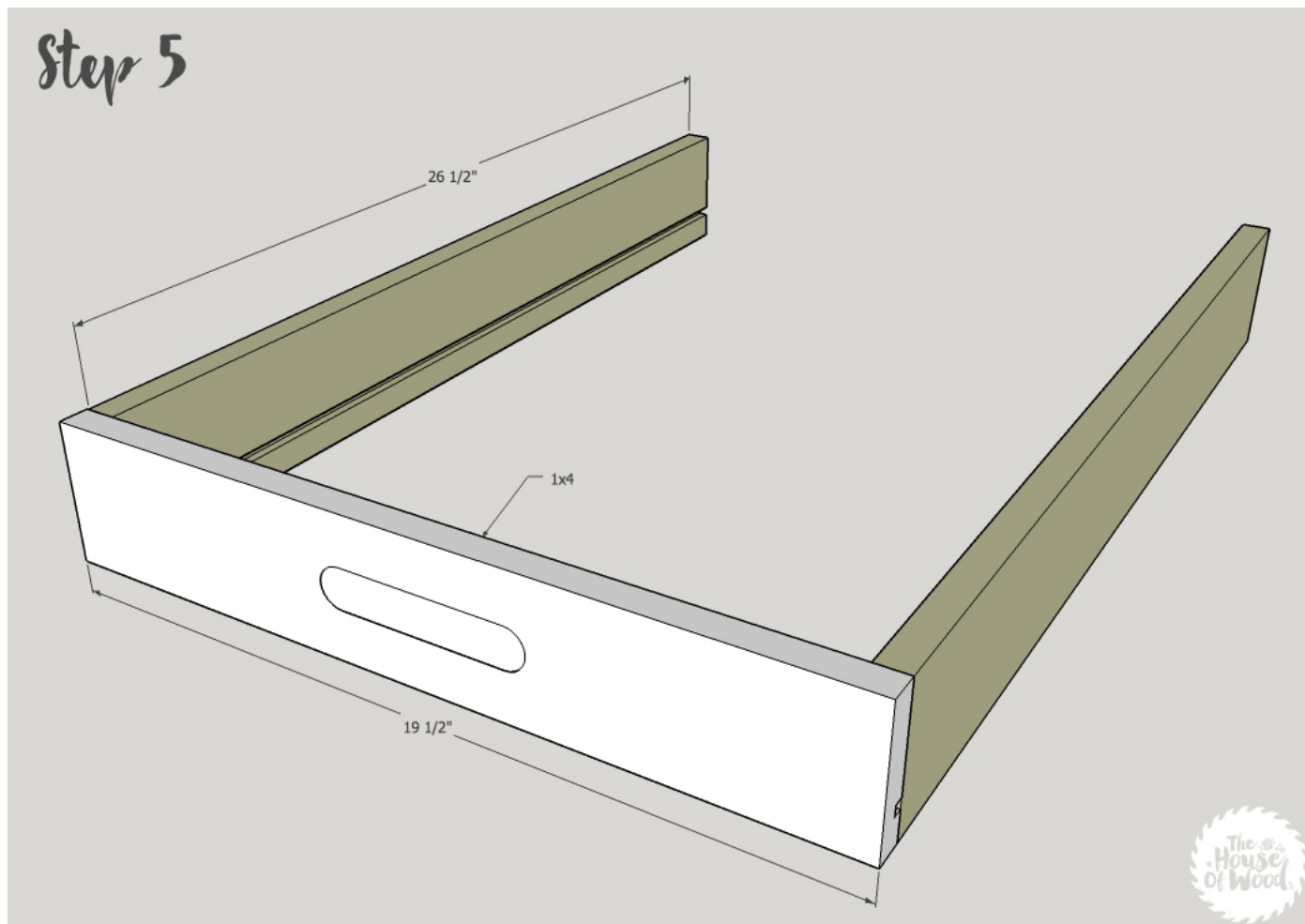
STEP 4

Route the grooves into the tray sides with a router or table saw. The bottom panel will slide into these grooves.



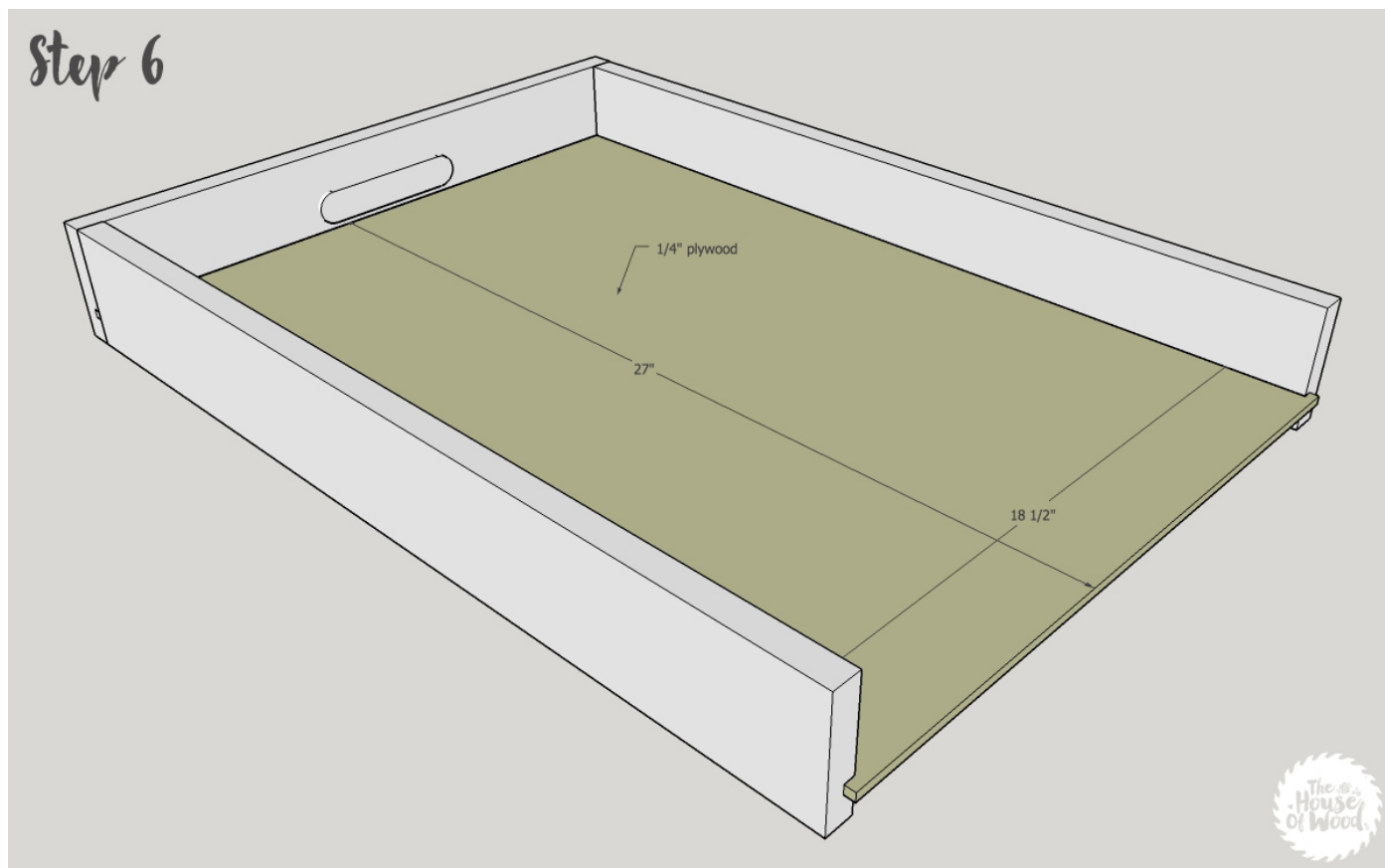
STEP 5

Cut the handle out on the short tray sides with a spade bit and jigsaw. Attach the three sides of the tray with $\frac{3}{4}$ " pocket holes and $1\frac{1}{4}$ " pocket hole screws and glue, #10 biscuit joints, or $1\frac{1}{4}$ " wood screws and glue.



STEP 6

Cut $\frac{1}{4}$ " plywood to 27" x 18 $\frac{1}{2}$ " and slide it into the grooves in the tray sides.



STEP 7

Attach the fourth side of the tray. If the bottom of the tray seems a bit flimsy, you may choose to add a couple 1x2 boards underneath, to support it. Attach with 1 ¼" brad nails and glue.

