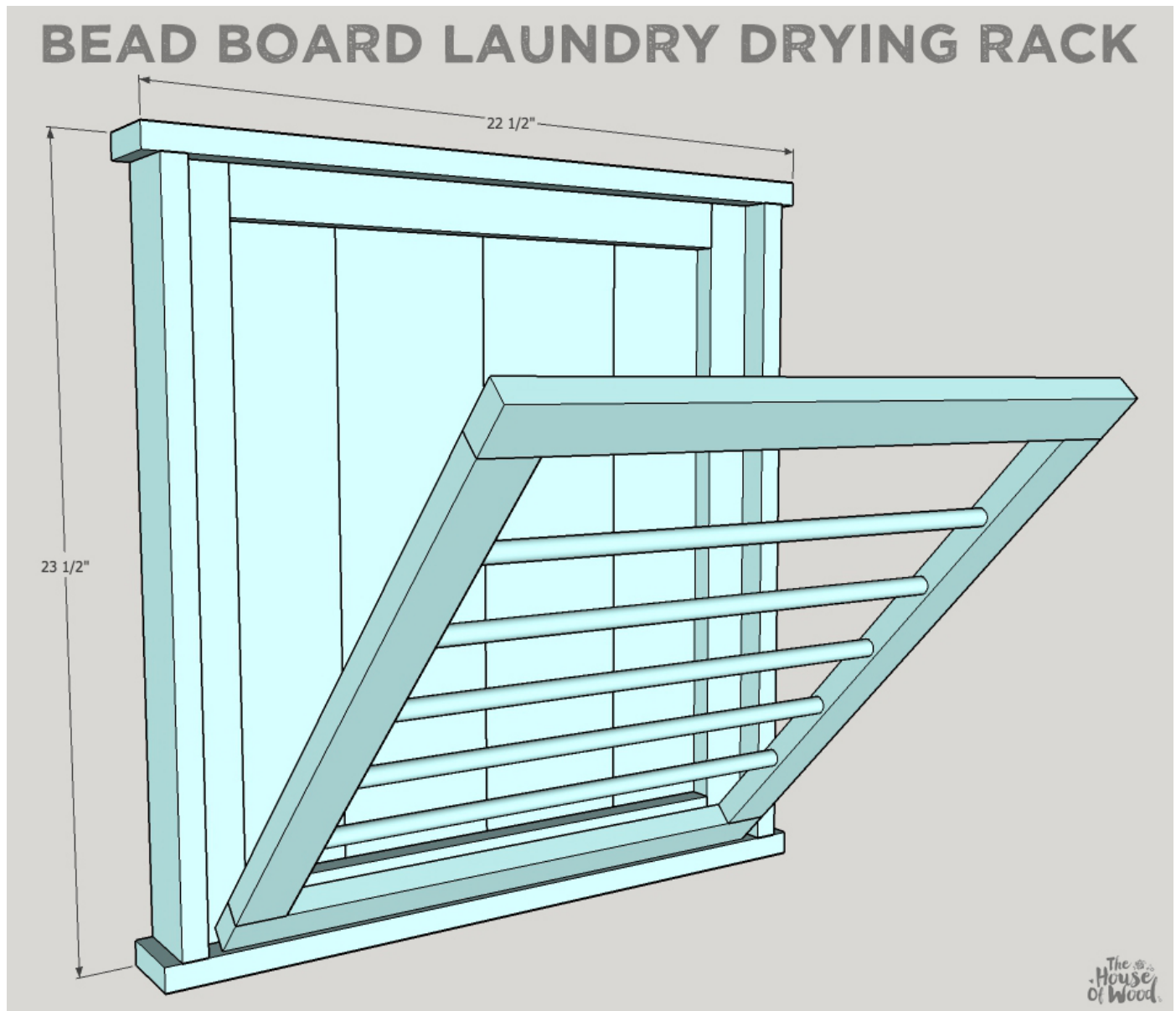


**MATERIALS:**

1 – 1x6 Tongue & Groove Board
 2 – 1x2x8'
 1 – 1x3x8'
 1 – ½" Dowel @ 8'
 2 – [Lid Support Hinges](#)
 1 – [French Cleat](#)
 1 ¼" Pocket Hole Screws
 1 ¼" Brad Nails
 Wood Glue

CUT LIST:

4 – 1x6 tongue & groove boards @ 22"
 2 – 1x2 @ 22"
 2 – 1x2 @ 17"
 2 – 1x3 @ 22 ½"
 2 – 1x3 @ 22"
 4 – 1x2 @ 19"
 5 – ½" dowels @ 16 ½"

TOOLS:

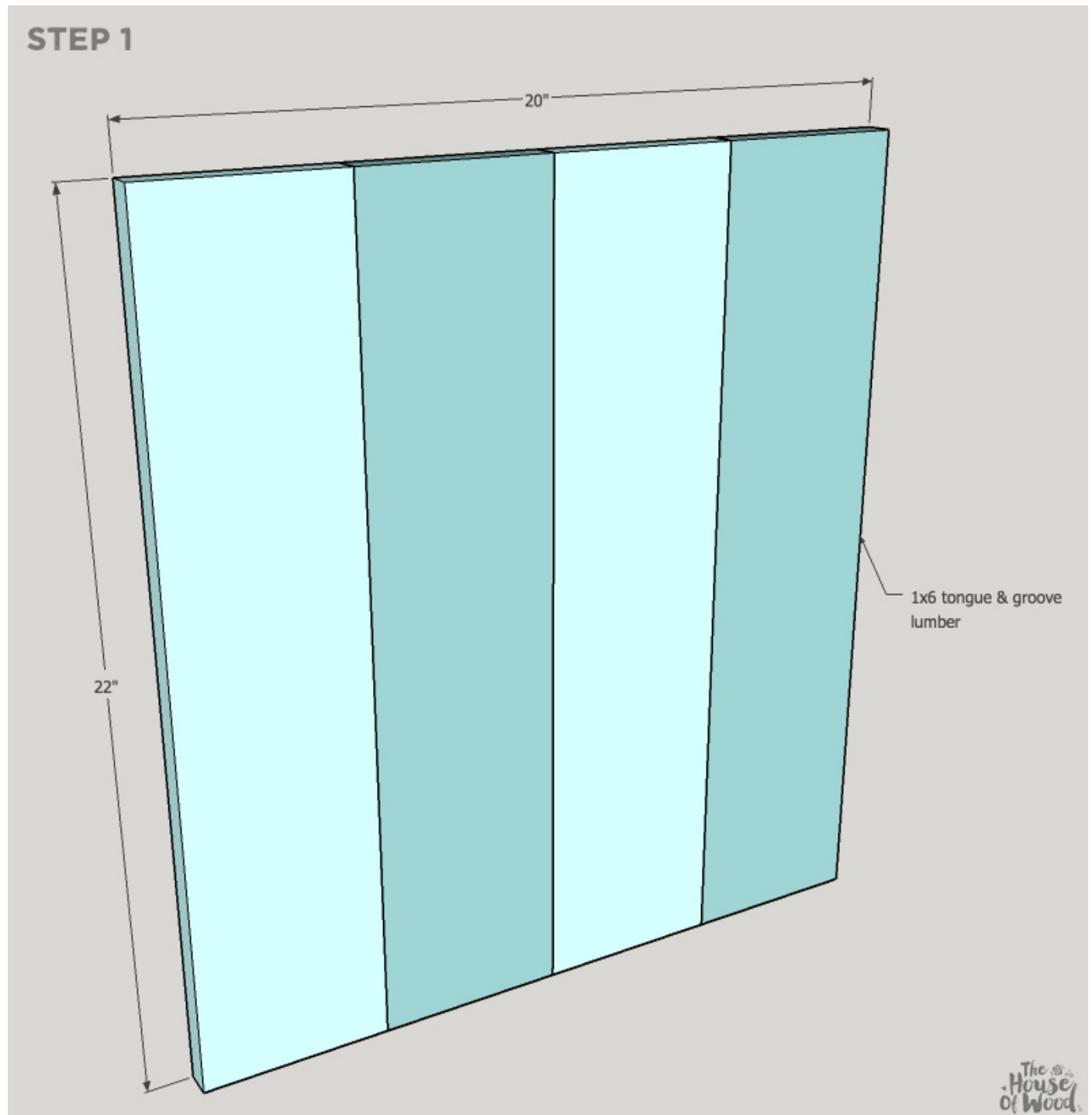
Tape Measure
 Drill with ½" Forstner or Spade Bit
 Brad Nailer

Speed Square
 Circular Saw
 Safety Glasses

Pencil
 Kreg Jig
 Hearing Protection

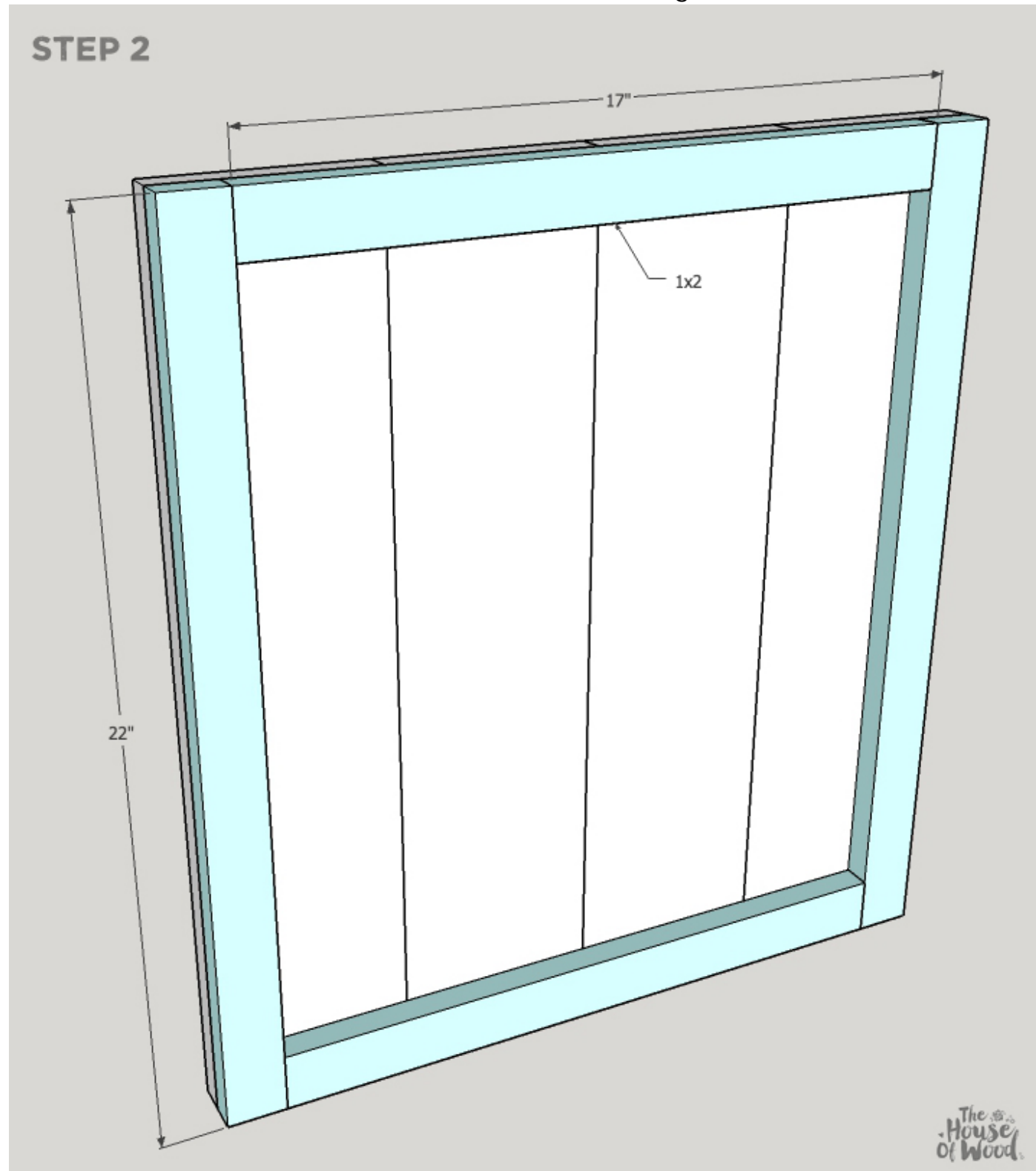
STEP 1

Cut the tongue and groove boards down to 22", then cut the tongue off of one of the boards, to square up the edge. Connect the four bead board panels together, ensuring the tongue-less board is on one end.



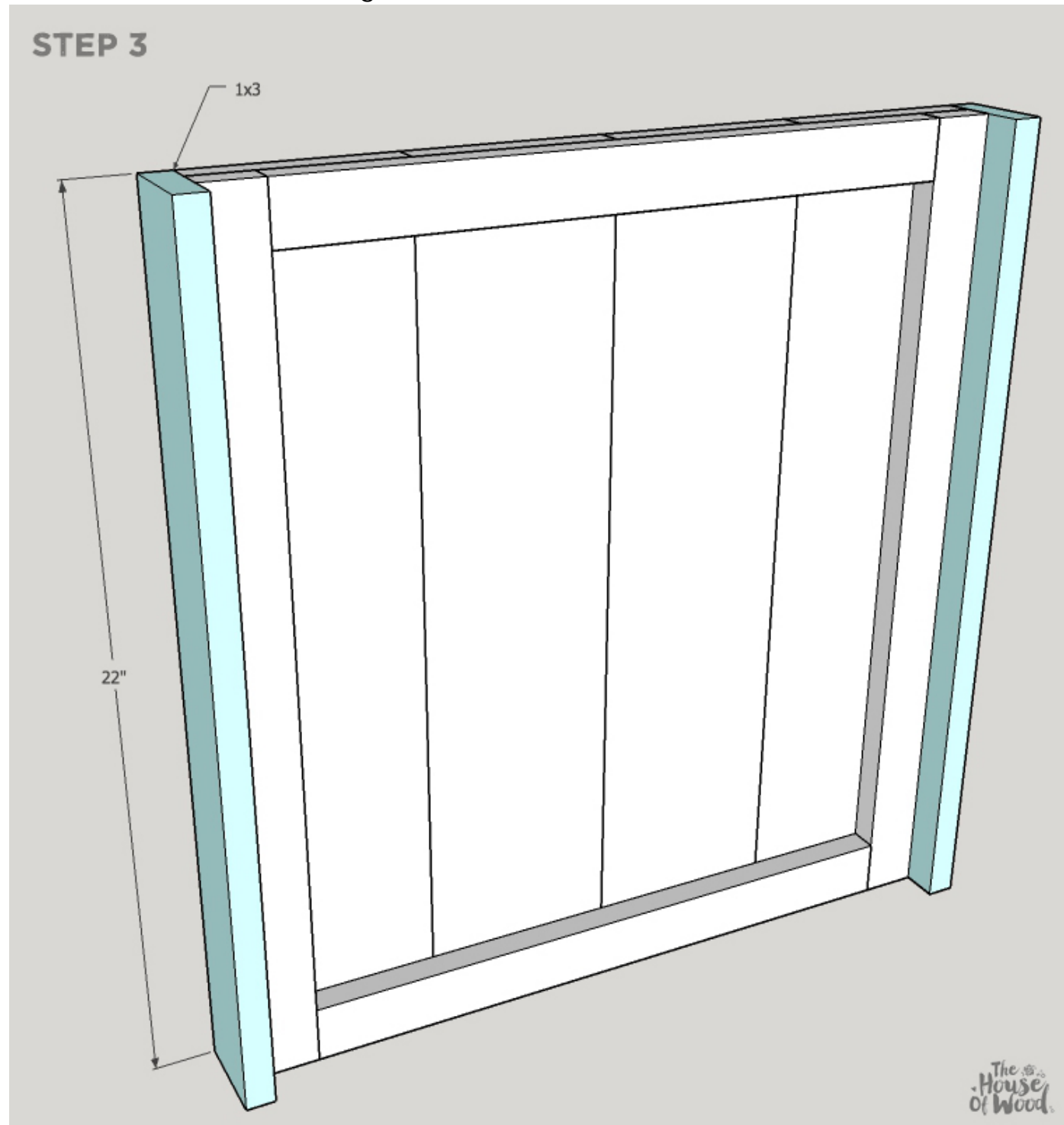
STEP 2

Attach the 1x2 rails and stiles onto the bead board with wood glue and 1 ¼" brad nails.



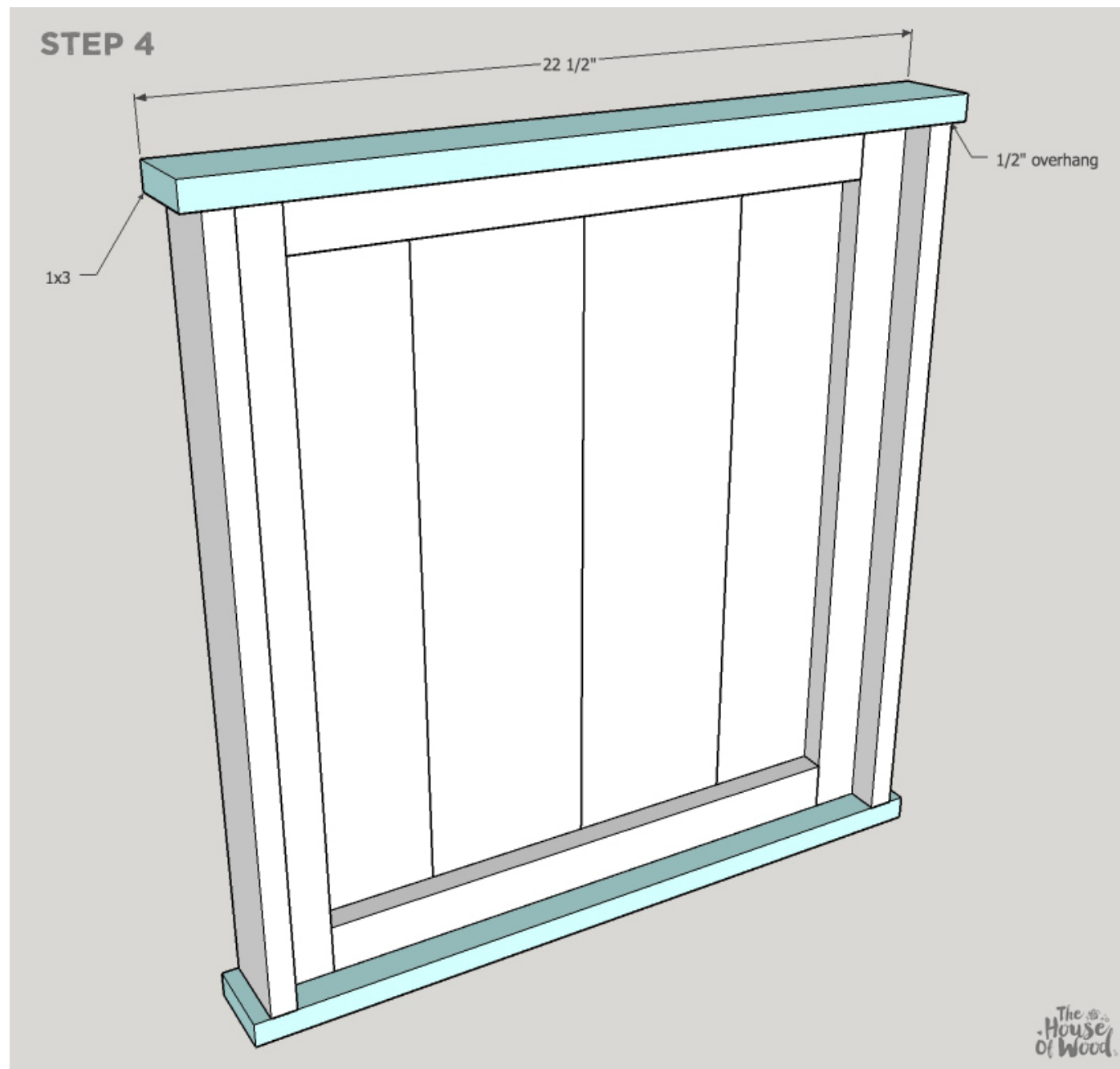
STEP 3

Attach the 1x3 stiles with wood glue and 1 ¼" brad nails. These boards will be flush to the back.



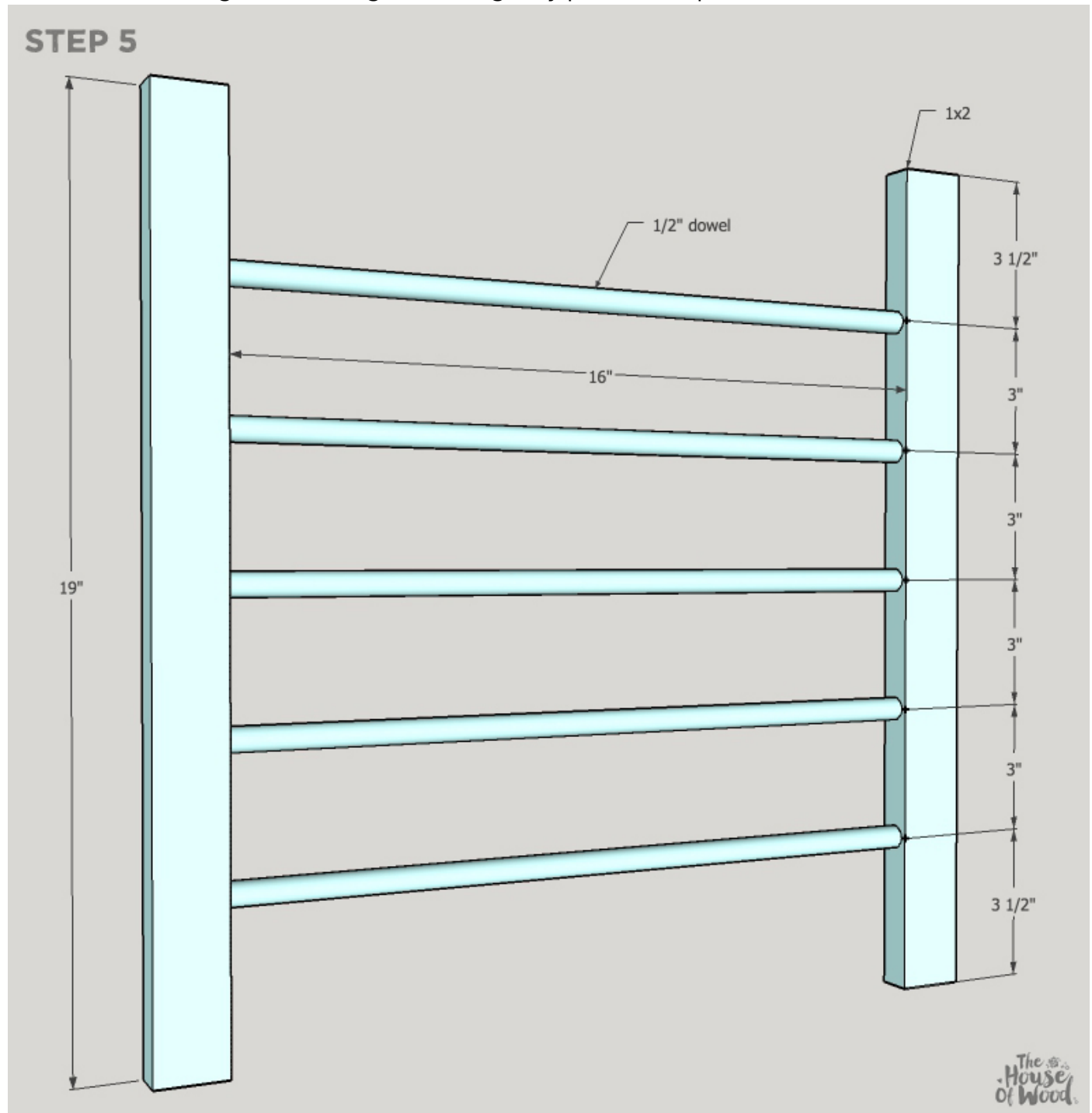
STEP 4

Attach the 1x3 rails with wood glue and 1 ¼" brad nails, allowing for a ½" overhang on both ends.



STEP 5

Drill $\frac{3}{4}$ " pocket holes into the ends of the 1x2 stiles. Using a $\frac{1}{2}$ " spade or forster bit, drill 5 holes into each of the 1x2 stiles. Find the midpoint ($9\frac{1}{2}$ ") on the 1x2, then measure 3" out for each dowel. The dowels are spaced 3" apart. Drill about $\frac{1}{4}$ " deep for the dowel holes. Attach the dowels with wood glue and using a mallet, gently pound into place.



STEP 6

Attach the rails with 1 ¼" pocket hole screws and wood glue.



ADDITIONAL NOTES:

There should be a ½" clearance on each side of the dowel rack, to allow space for the hinges. Install the hinges with screws and attach the French cleat to the back for hanging. Sand, paint or stain, and finish as desired.

