

JOIN RITE Stretcher Stand Instruction Sheets

To build a **36"** stand you should buy (3) 8 foot long 1" x 4" boards of white pine, poplar or oak. (White pine is cheapest)

To build a **60"** stand you should buy (4) 8 foot long 1" x 4" boards of white pine, poplar or oak. *Lowes or Home Depot* work well.

NOTE: There are no complex cuts. All cuts can be made with a simple hand saw, or circular saw, or table saw. Whatever you have.

PAGE 1: Shows the overall assembly of parts and subassemblies. (Cost can be about \$35-\$40 for a 36" and about \$45-\$50 for a 60")

PAGE 2: Shows the vertical leg parts which are cut from a single 8' board. (4) x 2 foot long parts. NOTE: These parts should all be the same length. They don't have to be an exact 24" but they should all be the same, such as 23-3/4" or 23-7/8" .

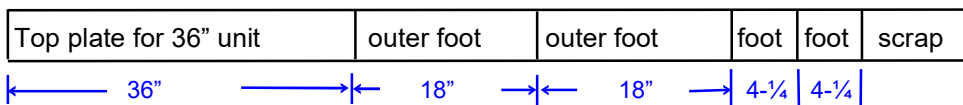
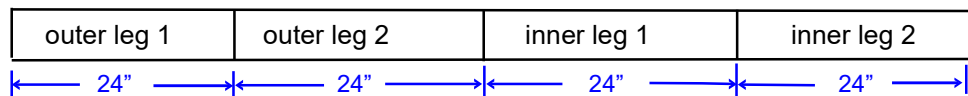
PAGE 3: Shows the foot parts for each side. The main piece is 18" and by adding the shorter pieces to these you have a 2" x 4" foot.

PAGE 4: Shows the Top Plate and the cross braces, (both top and bottom braces) **CUT THESE PIECES FIRST** on a 60" to make sure you have the long parts cut from full 8' boards. The remaining 3' will be cut into smaller parts.

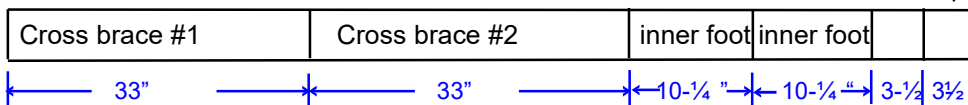
PAGE 5: Is an overall assembly view with screw locations.

Please Note: **These plans show an adjustable height stand which uses slotted sides and wing-nut tightening. YOU do not need to make your stand adjustable. Rather than routing a slot or using thumb screws and bolts to adjust the vertical legs, simply clamp the leg components together at the correct height for your shop table and screw the legs together. 4 screws for each side should be fine.**

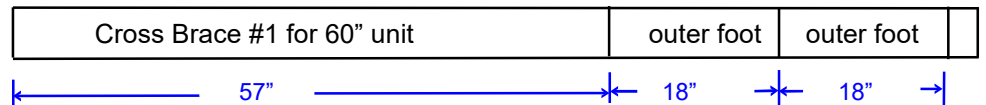
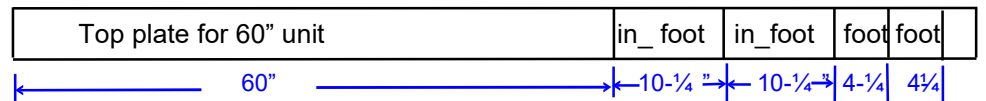
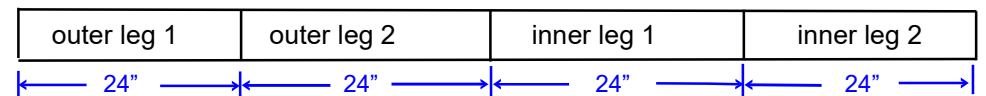
For 36" Stand



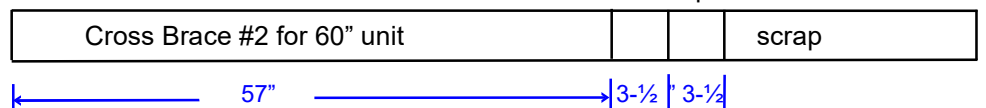
end caps



For 60" Stand

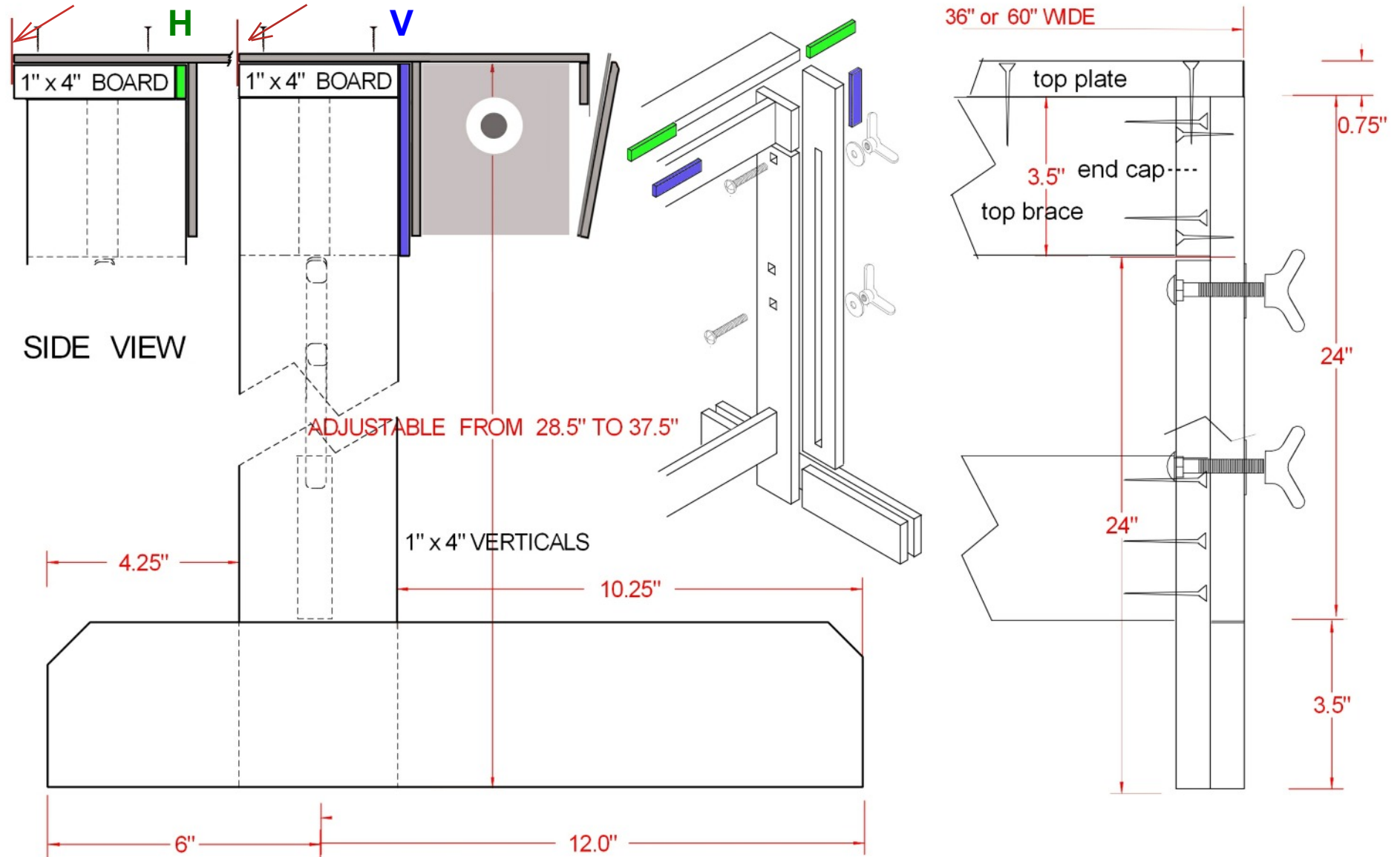


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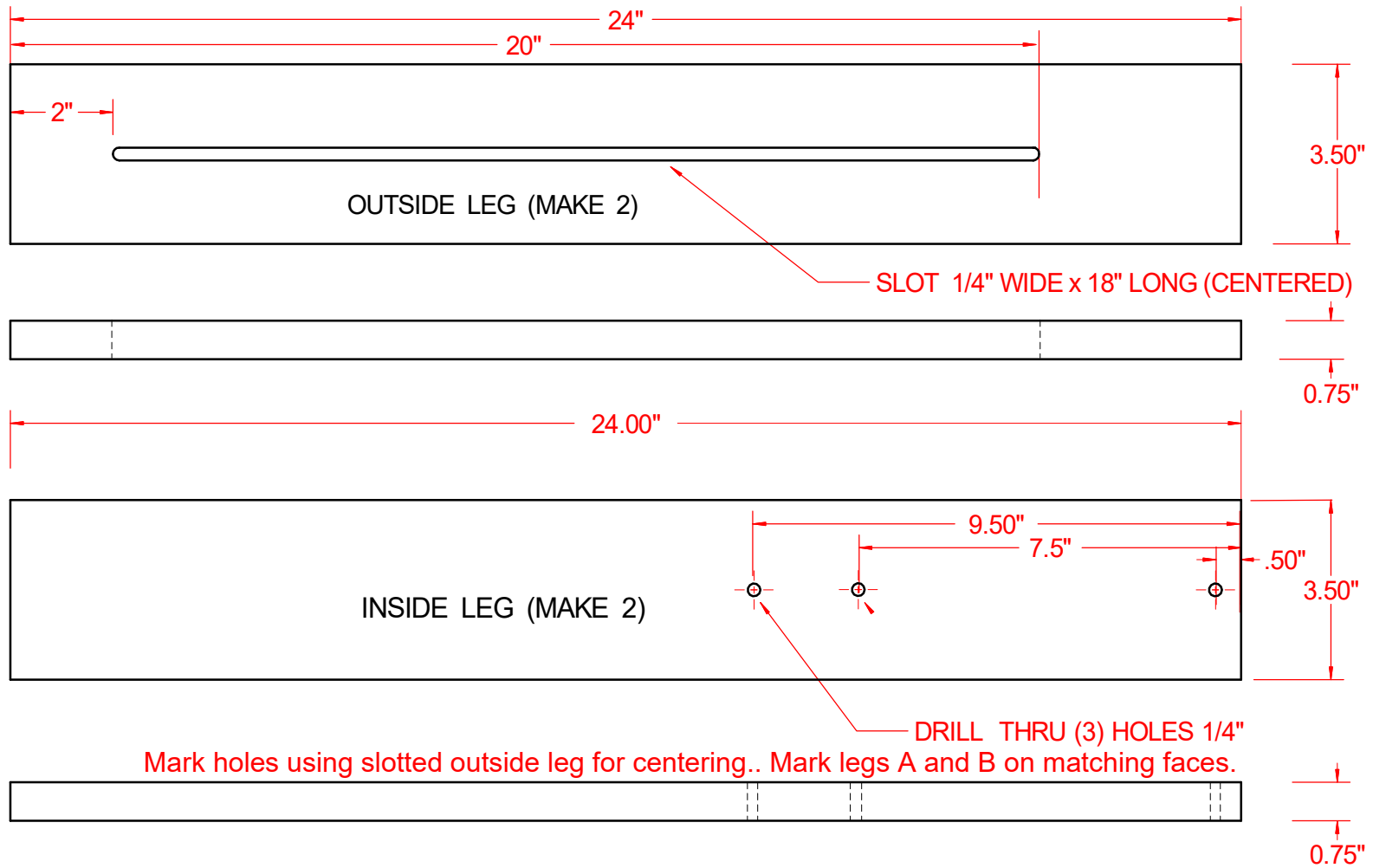


New Join Rite machines have a one-piece top plate that has a 3-3/4" mounting surface under the back side. Always align the mounting side of the machine to the back edge of the top 1" x 4" board regardless of the spacer system you use. (Horizontal **Green** or Vertical **Blue**)

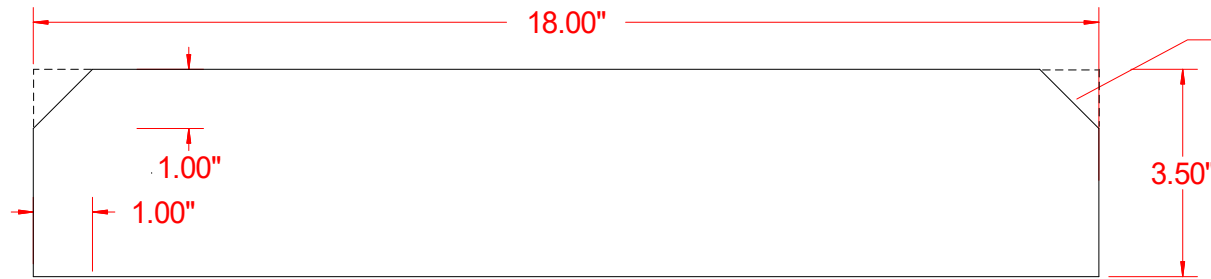
Add 1/4" spacers to front of board either Horizontal (green) or Vertical (blue) to keep the machine in the correct mounting position for the screws to fit in the top board.



JOIN RITE Stretcher Stand Page 2



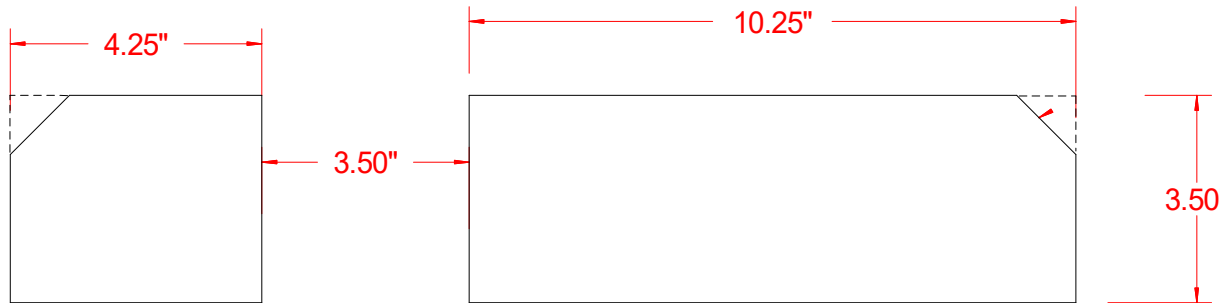
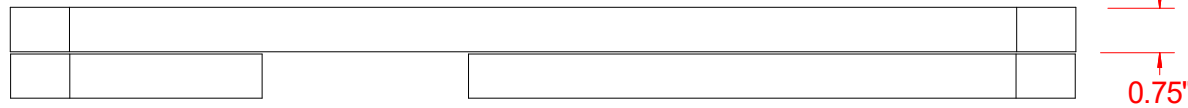
JOIN RITE Stretcher Stand Page 3



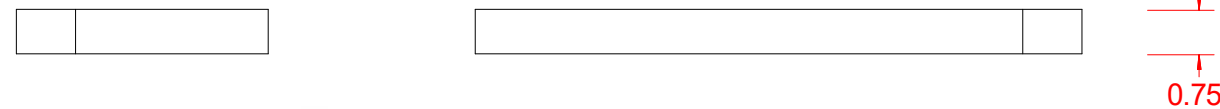
CUT 45 BEVEL AFTER JOINING PARTS

After gluing the pieces together cut the 45 degree bevels making sure you make a left and a right Match the groove face to face to mark the top bevel cuts.

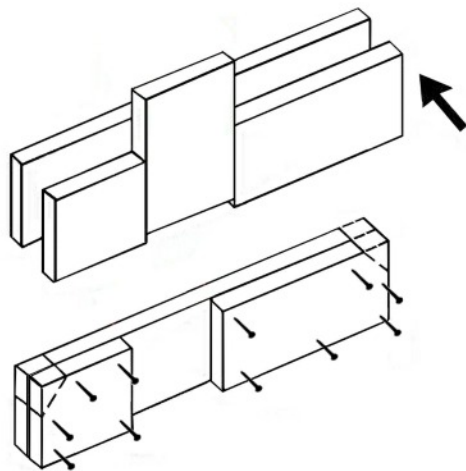
OUTSIDE FOOT (MAKE 2)



INSIDE FOOT PIECES (2 SETS)



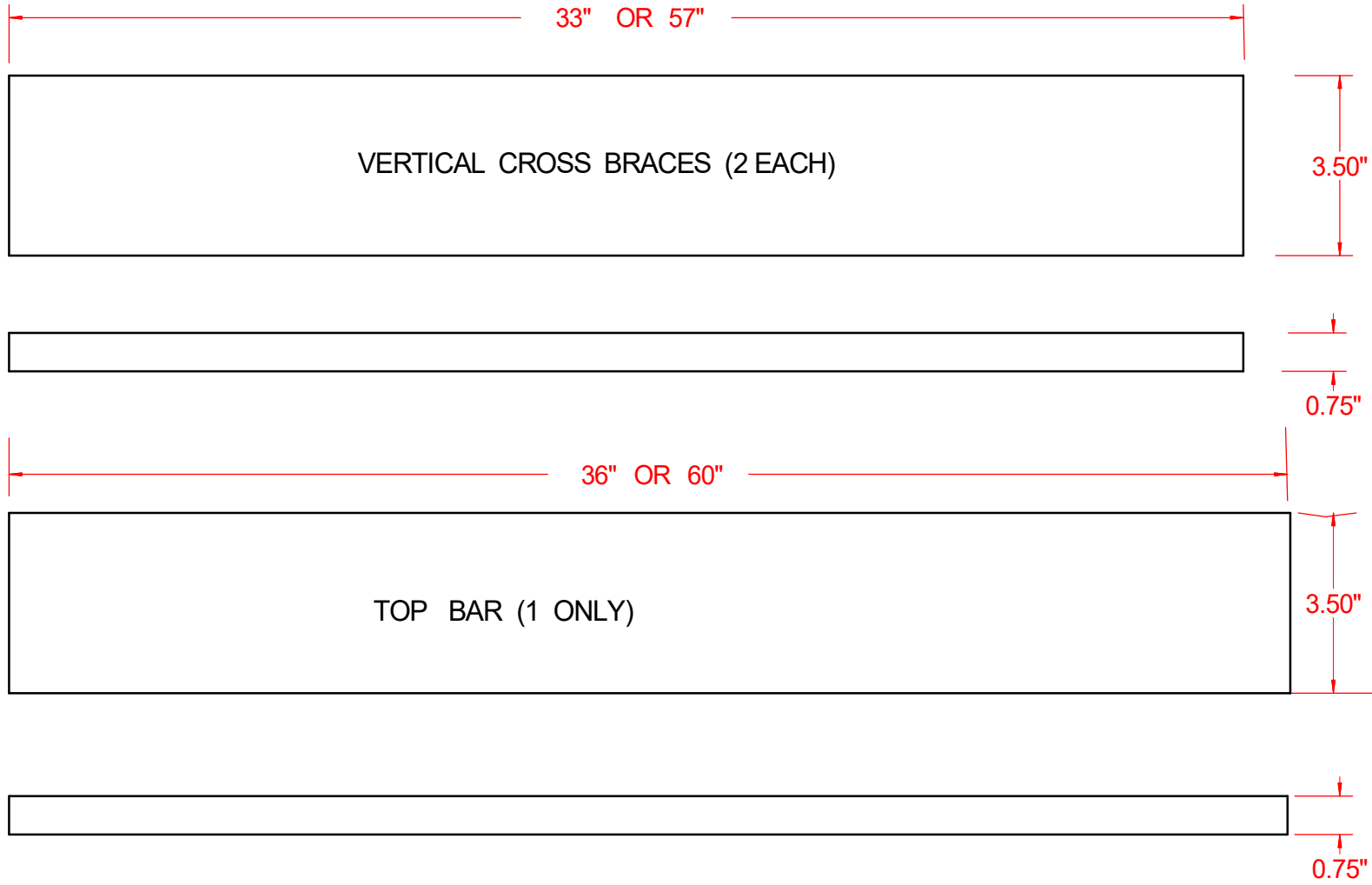
TOP LEG BLOCK (MAKE 2)



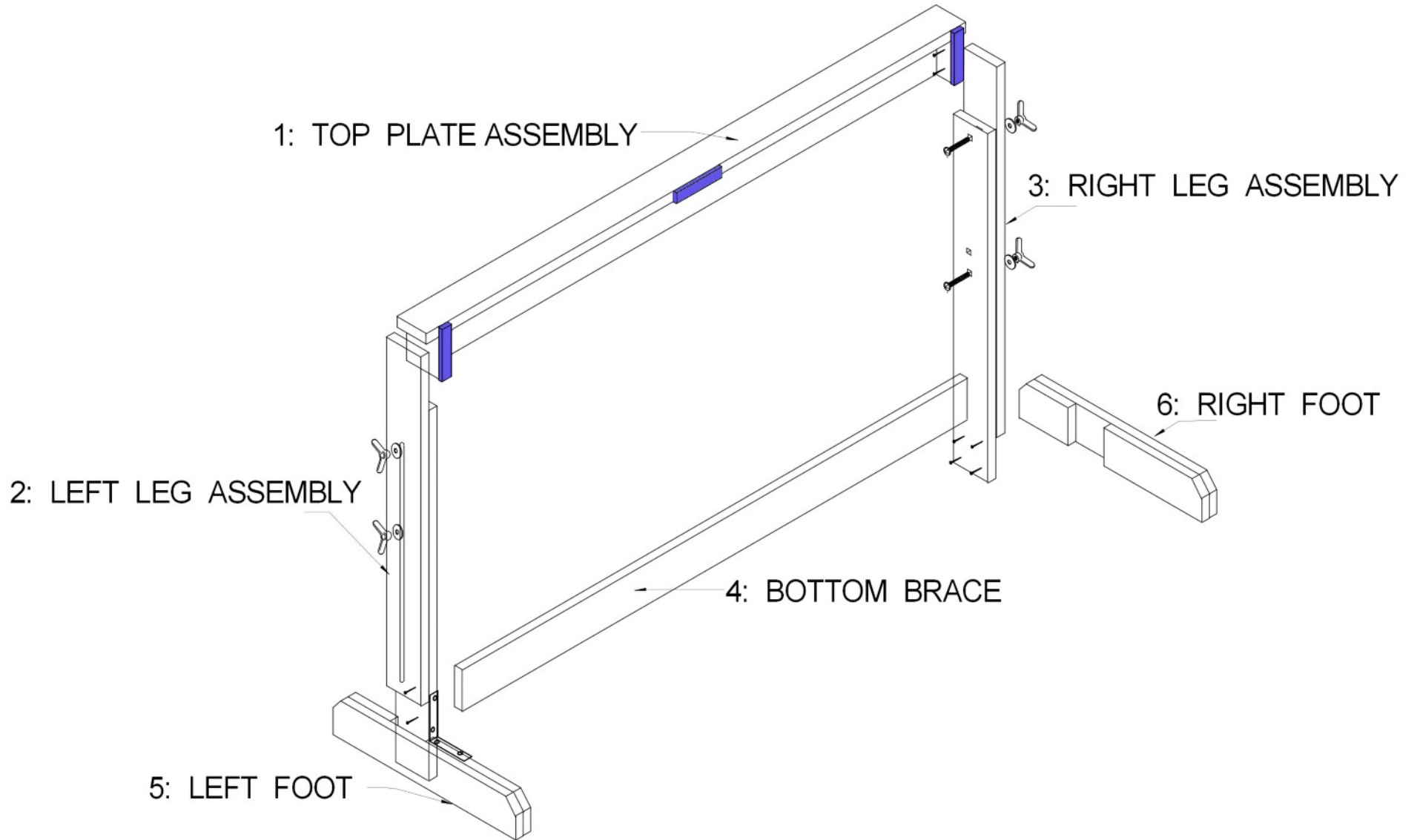
To assemble the foot components, glue the shorter inside foot pieces to the 18" outside piece. You can nail or screw the pieces together while clamping the inside piece in place to keep it from sliding with the glue. Before placing the second inside piece, use a scrap piece of 1" x 4" board to act as a spacer to position the second piece. Nail or screw this piece as well while clamped in place. Do this for both feet.

The 45 degree cut on the ends of the feet is purely **optional**. If you are going to cut those angles, first place the feet either face to face or back to back, so the spacer areas are opposing each other. Mark with a pencil, the top edge of each foot so you don't create 2 left feet or 2 right feet. Don't laugh, it's easier to do than you might think.

JOIN RITE Stretcher Stand Page 4



Whether you choose Horizontal spacers or Vertical spacers as shown here in Blue, you will need (3) of them about 4" long x 3/4" wide x 1/4" in thickness. As you see here, the 3rd spacer should be horizontal in the center of the top bar for either layout



JOIN RITE Stretcher Stand Assembly

1: TOP PLATE ASSEMBLY

3: RIGHT LEG ASSEMBLY

2: LEFT LEG ASSEMBLY

4: BOTTOM BRACE

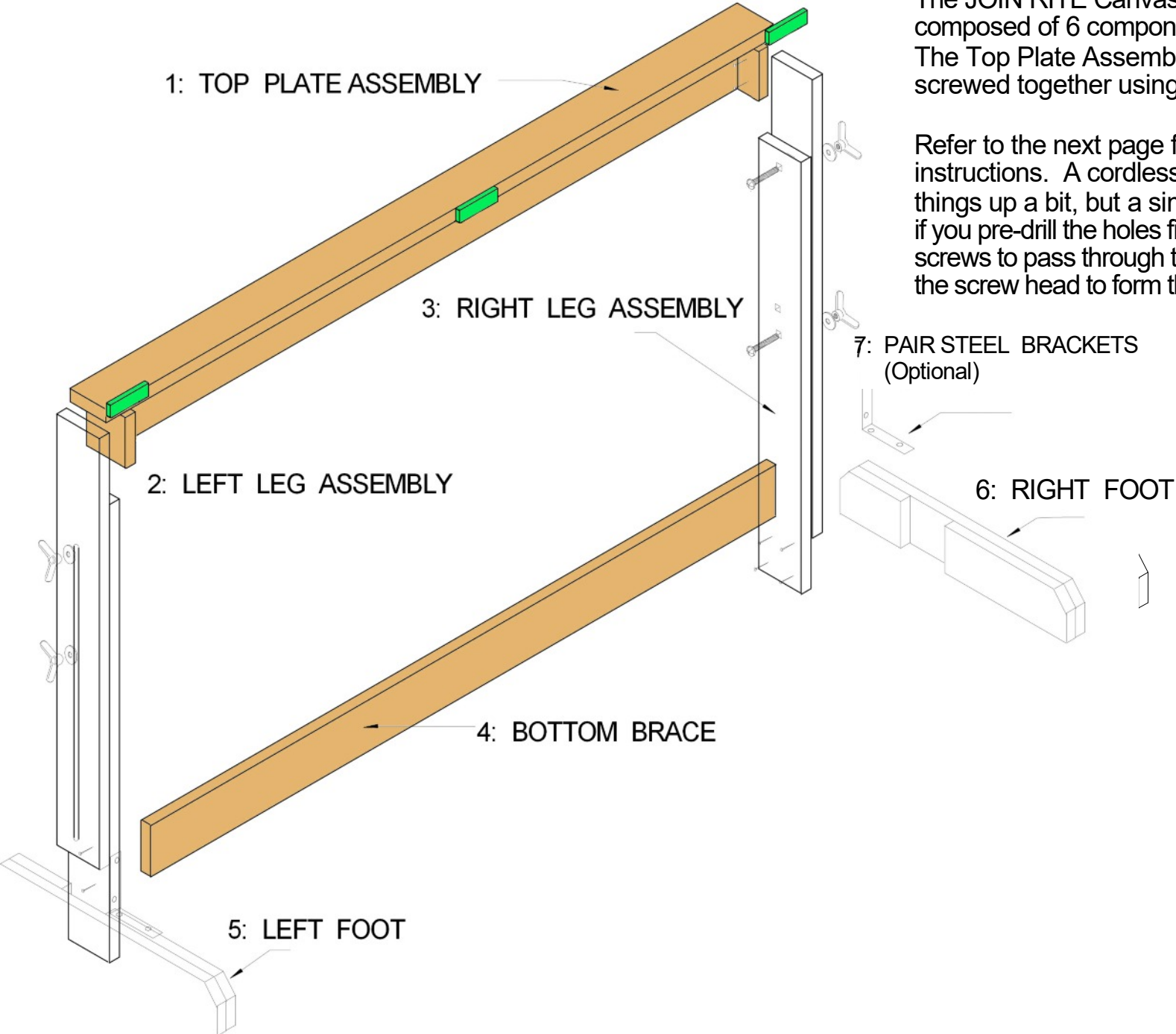
5: LEFT FOOT

7: PAIR STEEL BRACKETS
(Optional)

6: RIGHT FOOT

The JOIN RITE Canvas Stretch'r Floor Stand is composed of 6 components as shown at Left. The Top Plate Assembly should be glued and screwed together using 1-1/4" dry wall screws.

Refer to the next page for the simple step by step instructions. A cordless drill driver will speed things up a bit, but a simple screwdriver can be used if you pre-drill the holes first. A 3/16" bit will allow the screws to pass through the first board easily and allow the screw head to form the recess needed to be flush.

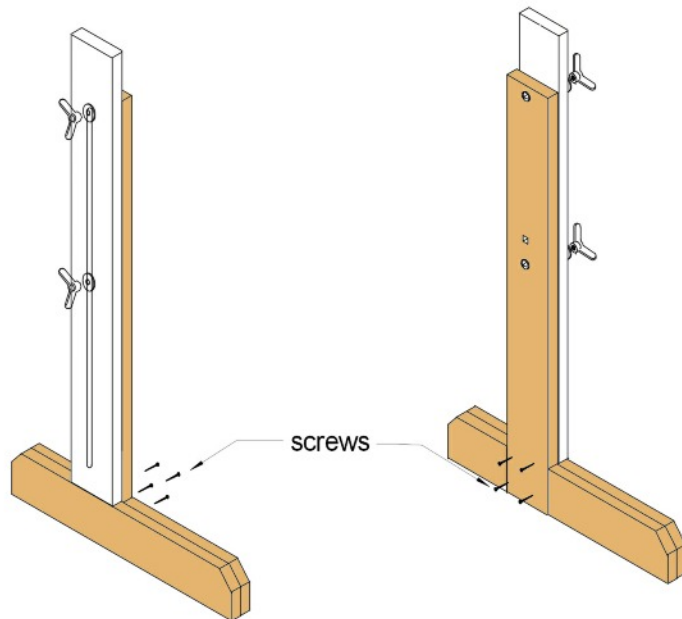


JOIN RITE Stretcher Stand Assembly

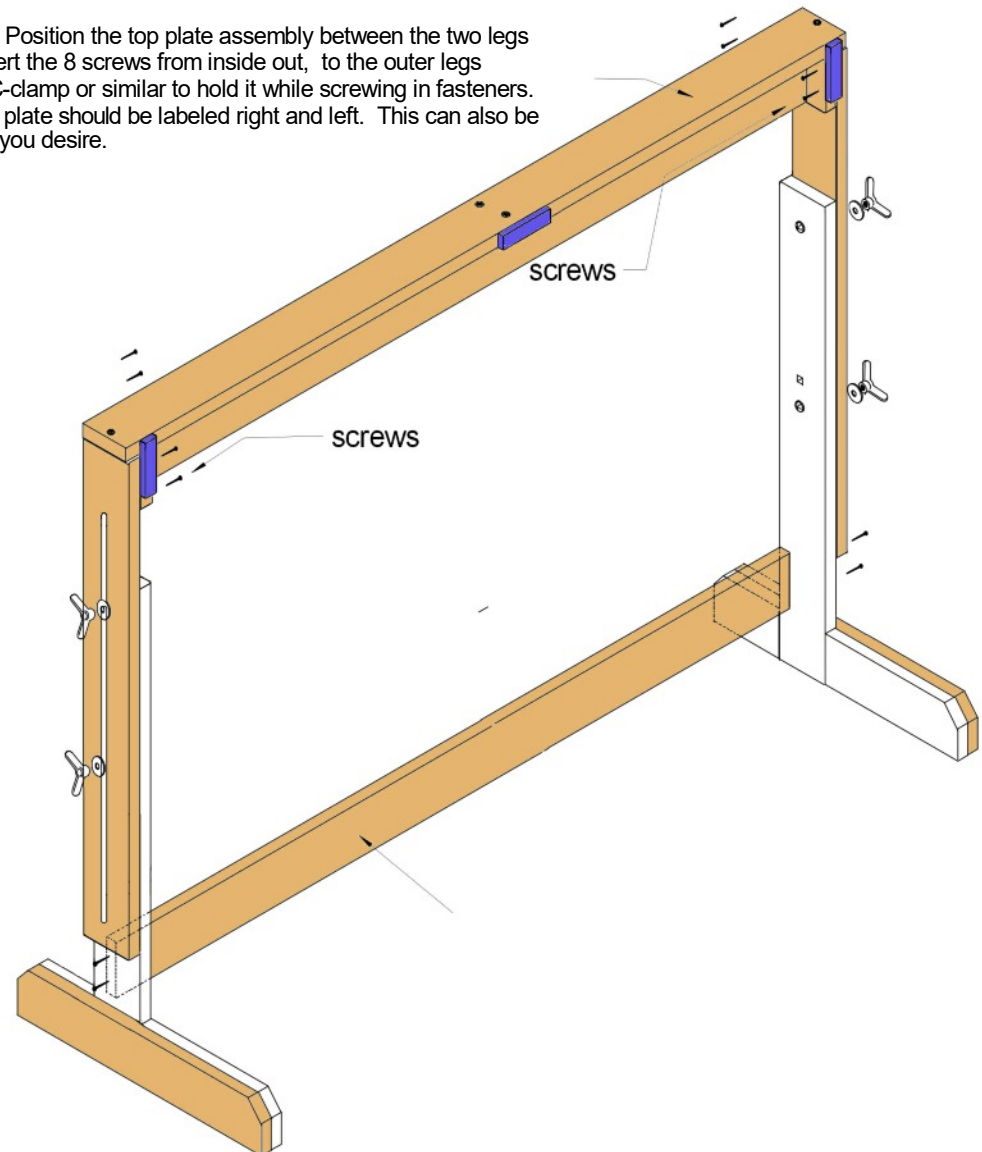
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Step 1: Fasten Left Leg to Left Foot as marked using (4) - 1-1/4" drywall screws. GLUE is optional, but allowed.

Step 2: Fasten Right Leg to Right Foot as marked using 4 more screws. Again glue will make it more permanent.



Step 3: Position the top plate assembly between the two legs and insert the 8 screws from inside out, to the outer legs. Use a C-clamp or similar to hold it while screwing in fasteners. The top plate should be labeled right and left. This can also be glued if you desire.



Step 4: Loosen all 4 wing nuts (or loosen the clamps holding the sides together) and raise the top section 4" - 5" then tighten. Position the bottom brace between the feet and screw in the 2" long screws from outside to inside. The brace can be placed to the back or center of the vertical leg board, whichever is easiest for you.

Step 5: Mount the JOIN RITE stretching machine onto the stand using drywall screws or 1/4" machine screws and nuts. You can use drywall screws or wood screws, at least 1" to 1-1/4" long, in either #8 or #10 size.