

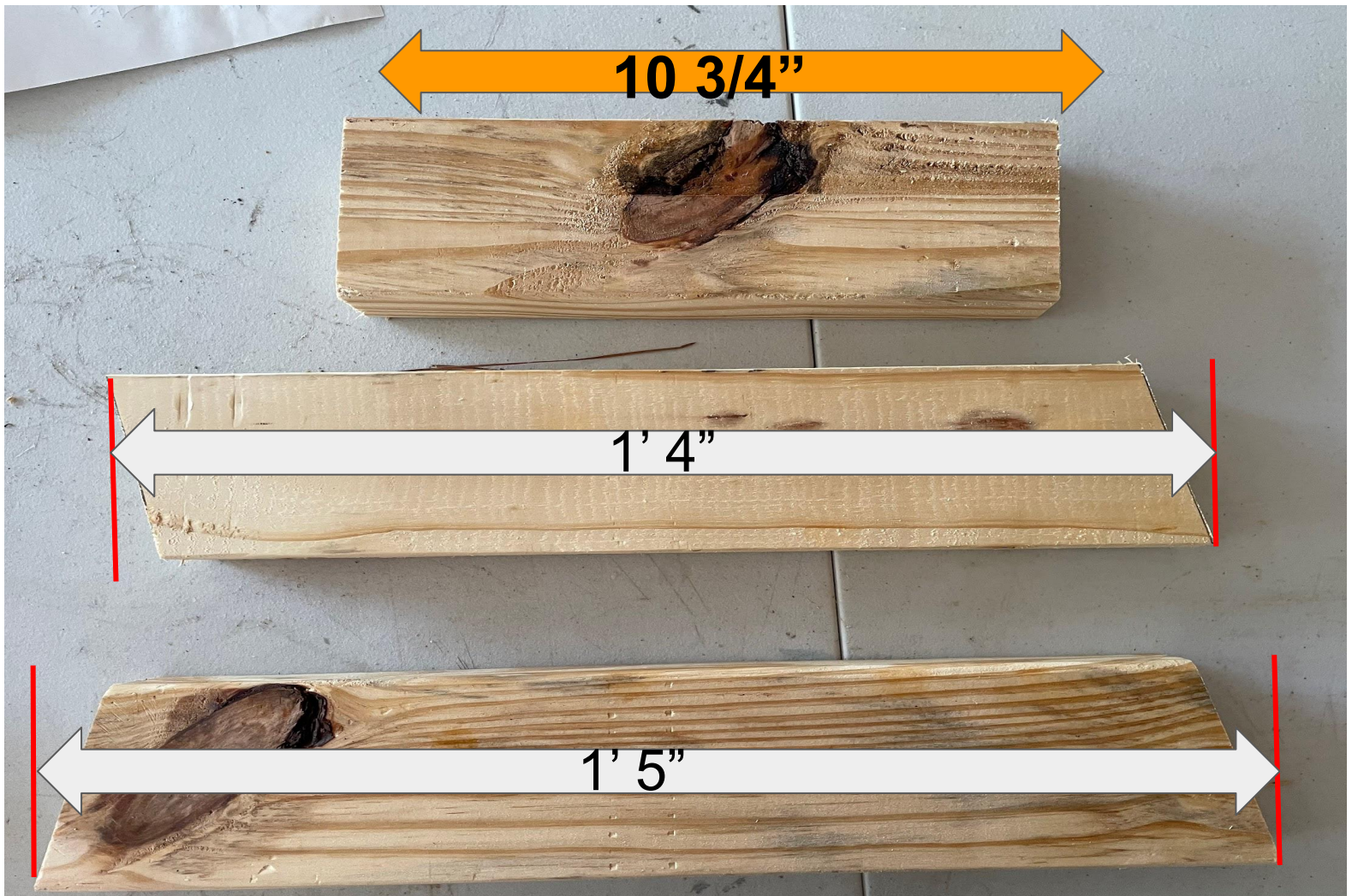
Double Bench Folding Picnic Table



Material List

- 15- 2x4x12' boards
- 2- Large boxes of 2 1/2" decking screws
- 4- 3.5 in hinges

Step 1- Cut pieces for legs



First cut pieces for the legs. You will need the following pieces in these quantities.

- 4- 10 $\frac{3}{4}$ " pieces square cut on both ends
- 8- 1' 4" pieces with 15 degree parallel angles
- 4- 1' 5" pieces with 15 degree opposite angles

Step 2- Attaching legs to Top Brace



Next, begin assembling the legs of the bench by attaching the 1'4" leg to the 10 3/4" brace. 4 screws will be needed to attach each 1' 4" leg to the 10 3/4" brace.

Leg should sit 1/4" from the edge.



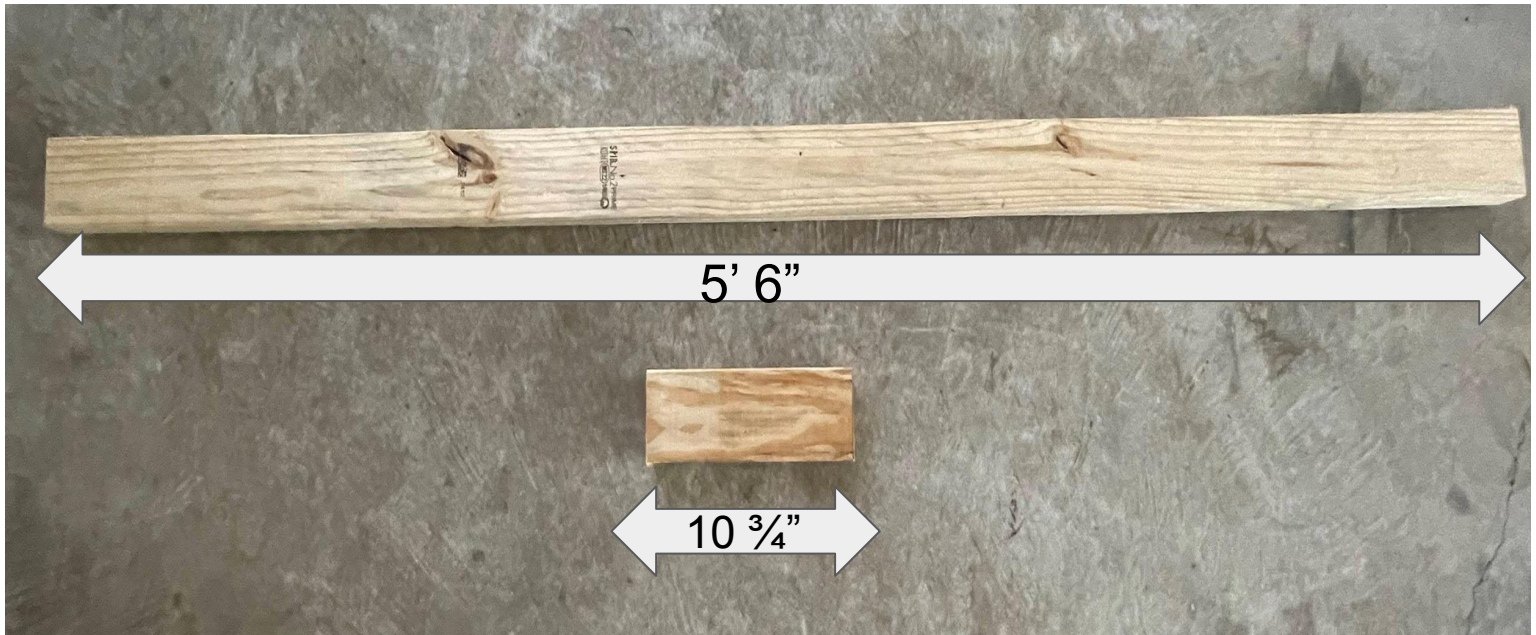
Before attaching the leg it is critical that you set the top of the leg 1/4" front the edge of the brace.

Step 3- Attaching the Bottom Leg Brace



When attaching the bottom leg brace set it 6" from the bottom of the Top leg brace. Use 4 screws in each leg to attach the brace.

Step 4- Assembling Bench Frame.



Next, cut the frame boards to attach the legs together for both benches. You will need to cut.

- 4- 5'6" boards
- 2- 10 ³/₄" boards

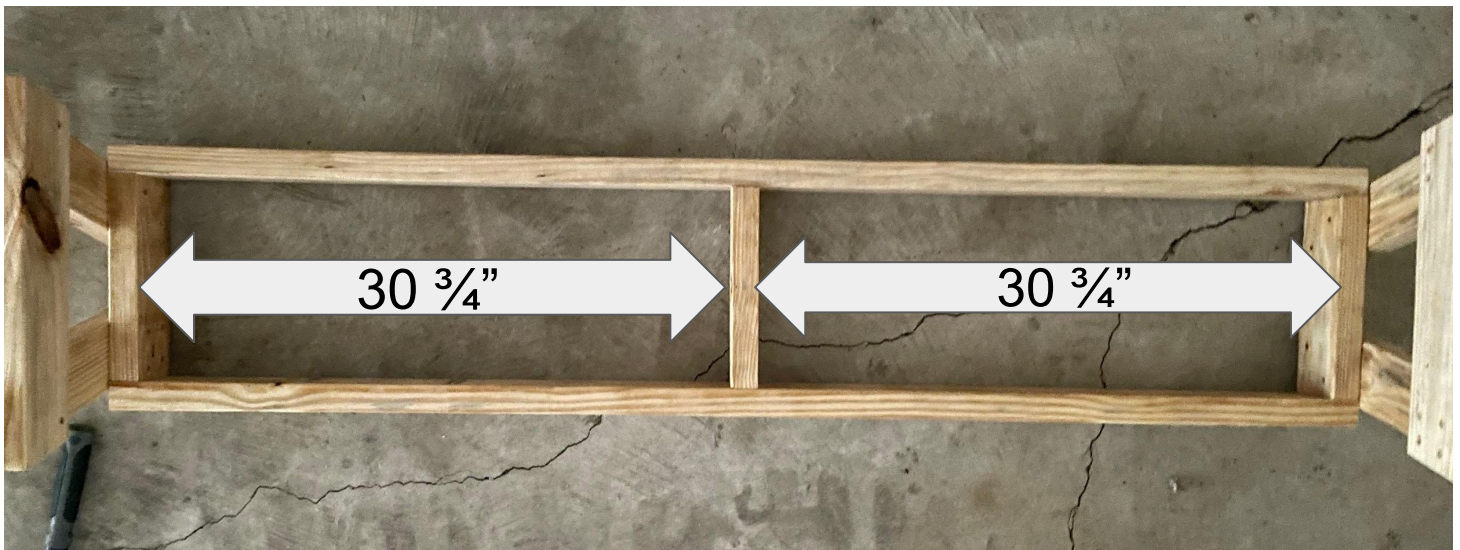


Place a 5'6" frame board on each side of the legs' top brace and attach with 2 screws.

Step 4 Continued- Assembling Bench Frame.



Once the 5'6" framing boards are attached to the legs it should look like this.

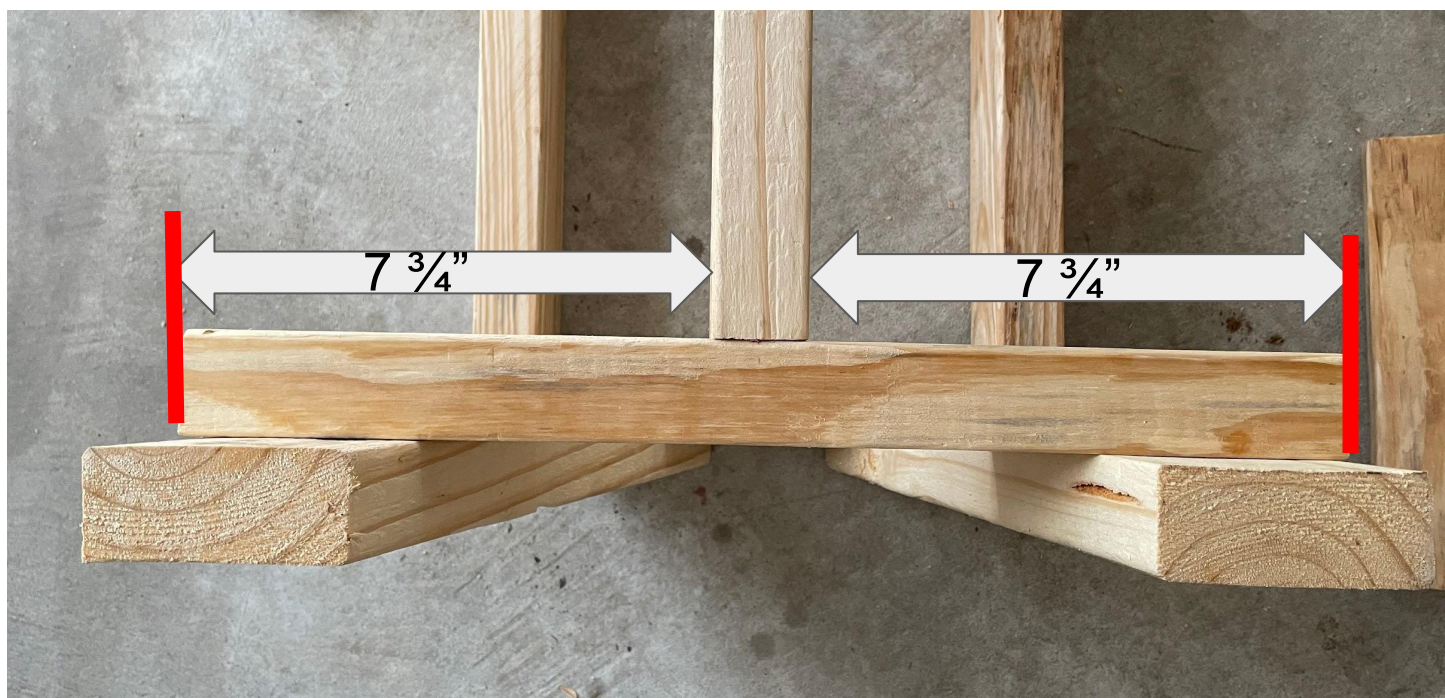


Install middle brace for the frame by setting the inside gap between it and the leg $30 \frac{3}{4}$ " apart. This will set the brace in the middle of the frame. Then attach by using 2 screws to secure it on each side.

Step 5- Cutting and Attaching Bottom Frame Brace to Legs.



The final part of the bench frame is a brace that will attach to the 1'5" bottom braces on the legs. Cut 2- 5' 3" pieces. One for each bench.



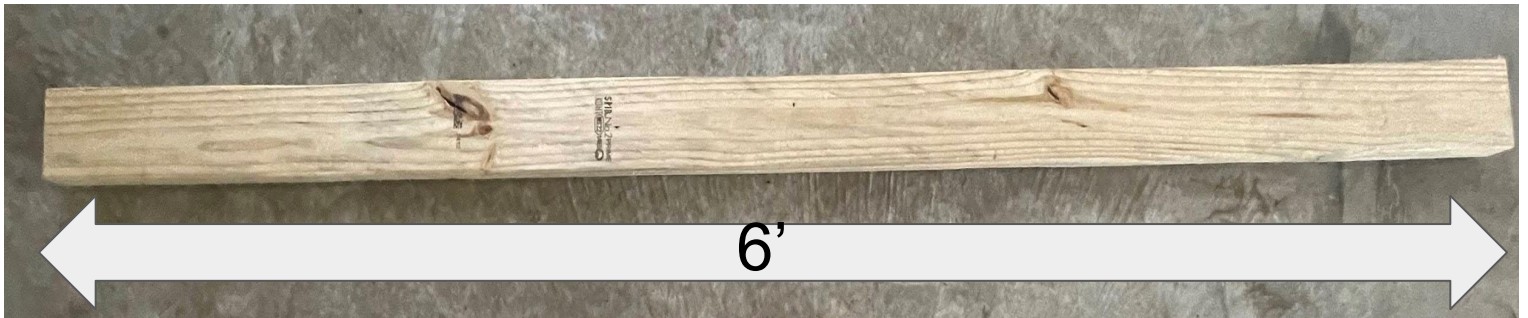
Center the brace on each bottom leg brace by setting it 7 3/4" from the edge of the brace and attach using 2 screws.

Step 5 Continued- Cutting and Attaching Bottom Frame Brace to Legs.

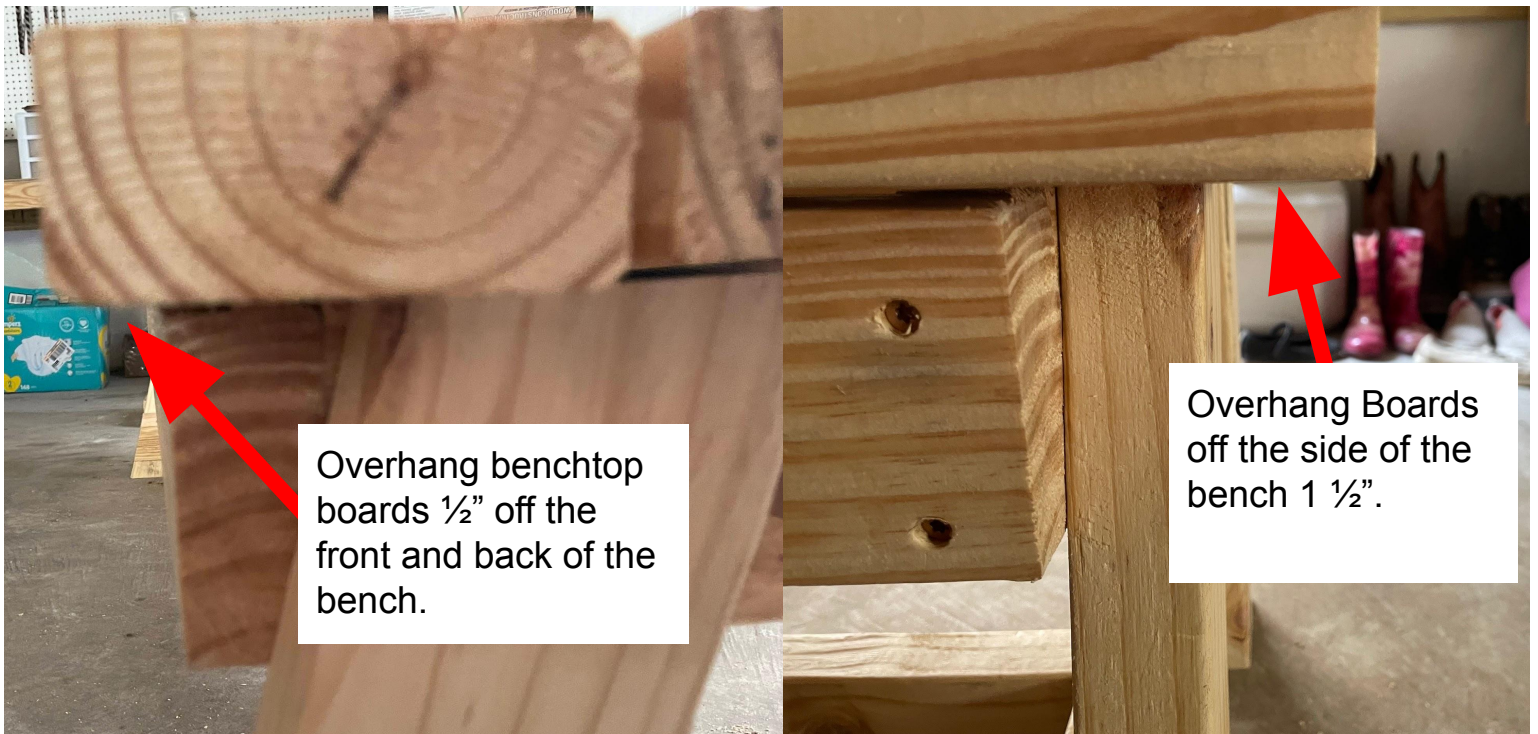


Once the Bottom Frame Braces are installed begin putting the Benchtopy Boards in place.

Step 6- Cut Benchtopy Boards and Assembly



With frame together begin cutting the benchtop. For both benches you will a total of 8-6' boards to complete them.



To begin attaching benchtop start with the two end boards and line them up on the frame to where they overhang off the back and front of the bench 1/2" and off the sides 1 1/2". Once you have them lined up fasten down with 6 screws. This way you have 2 in each brace.

Step 7- Lining Up and spacing benchtop.



Once you secure the 2 end boards line up and overhang the middle boards 1 1/2" off the side as well and space the boards evenly. If done correctly the benchtop should be 1' 2 3/4" wide.

Step 8 - Cutting and assembling Bench Slats



Now that the bench is complete begin the framing for the folding table top. First we will cut the following:

4 pieces- 1' 2 3/4" long



Once all pieces are cut we will make a chamfer bevel on both ends of each board according to the above dimensions.

Step 8 Continued- Cutting and assembling Bench Slats



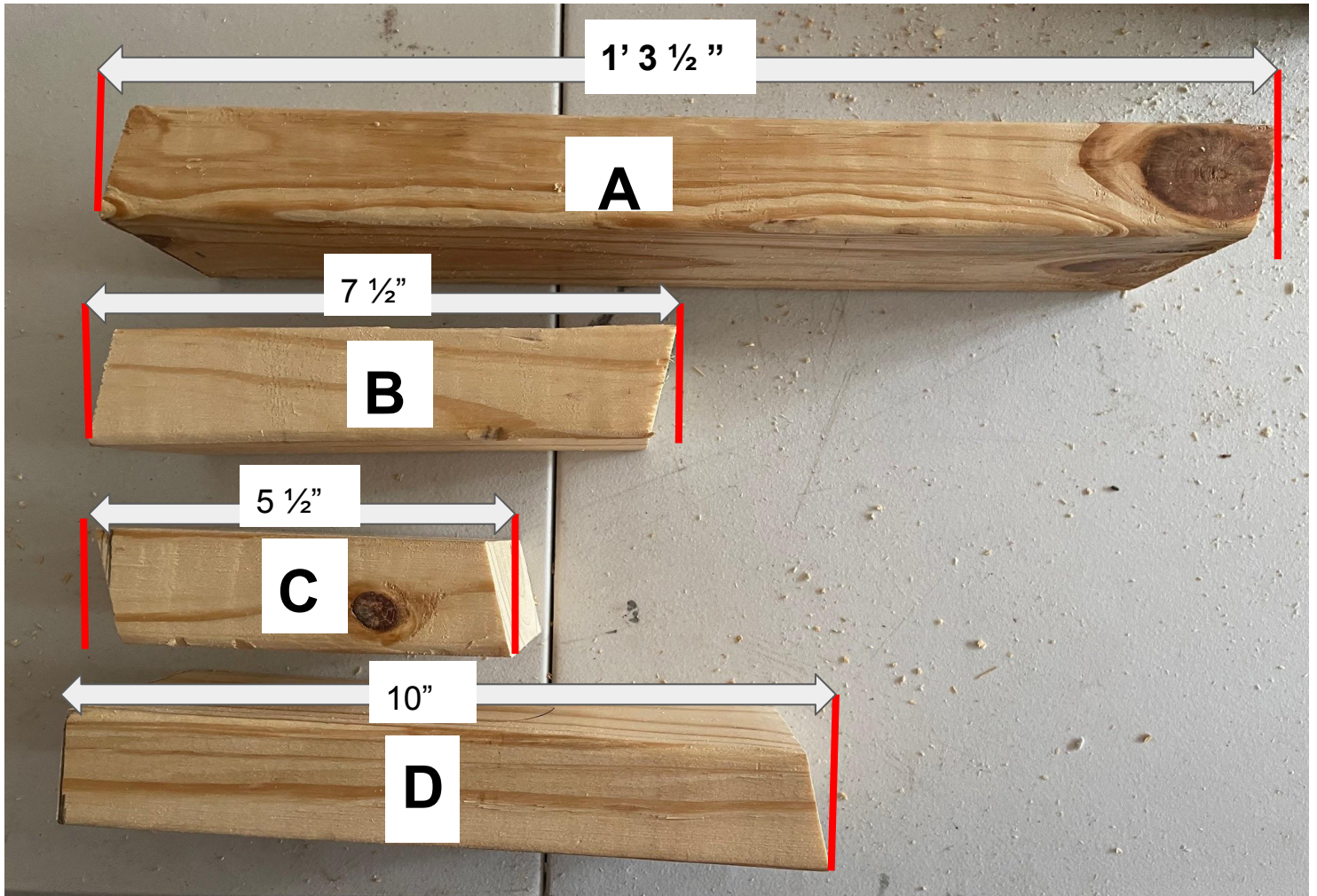
Once all pieces are beveled; measure and fasten the Bench slats an 1 1/2" from the edge of the bench on both sides. This is where the table top assembly will eventually rest. Attach using 4 screws 2 on each end.

Step 8 Continued- Cutting and assembling Bench Slats



Once the Bench Slats are on the bench is complete and you are now ready to move on to the Folding Table Frames.

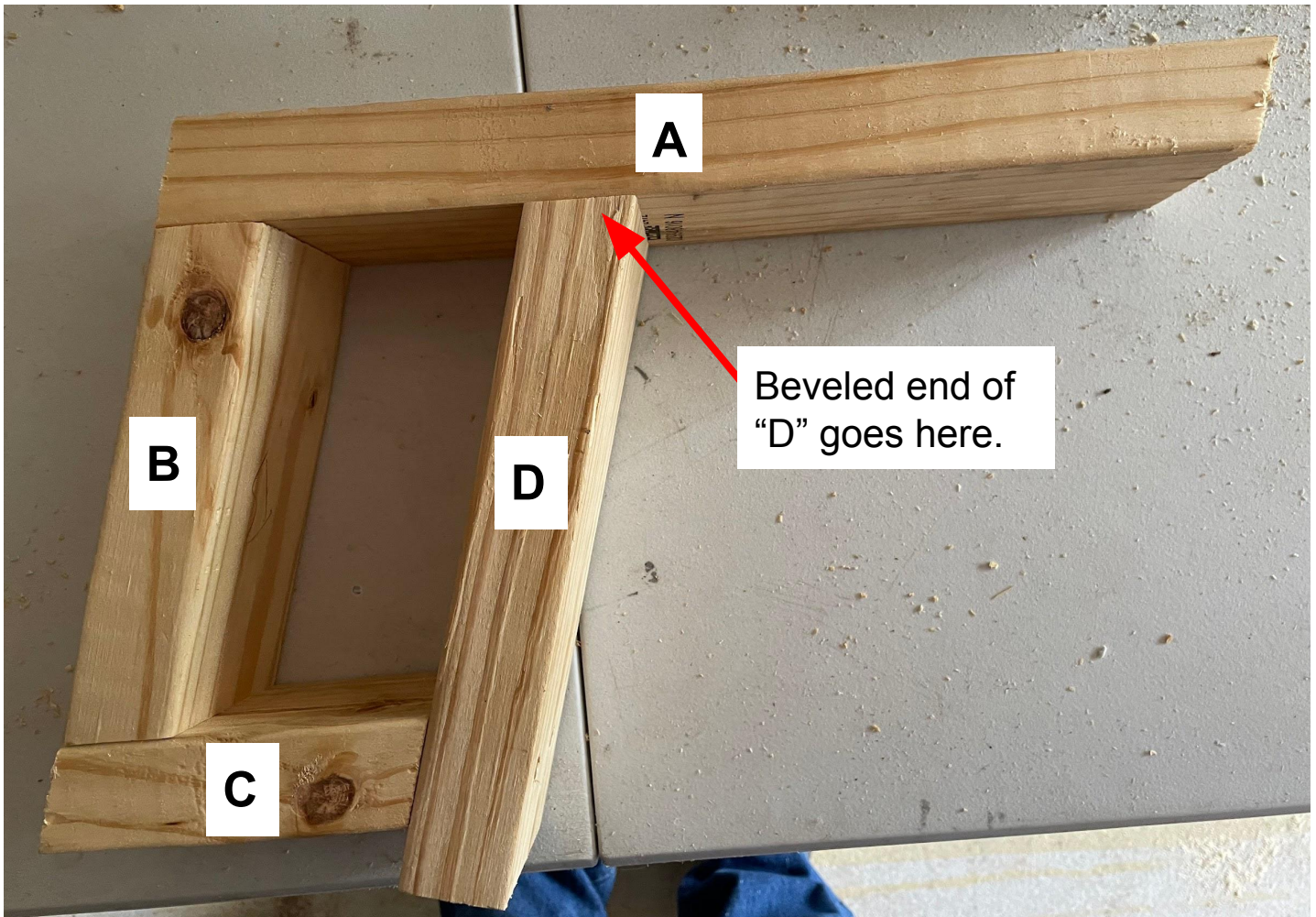
Step 9- Cut pieces for Folding Table Frame



You will need to make 4 of each of these cut pieces for the Folding Table Frame. Cut all boards to the correct length then bevel ends according to the following.

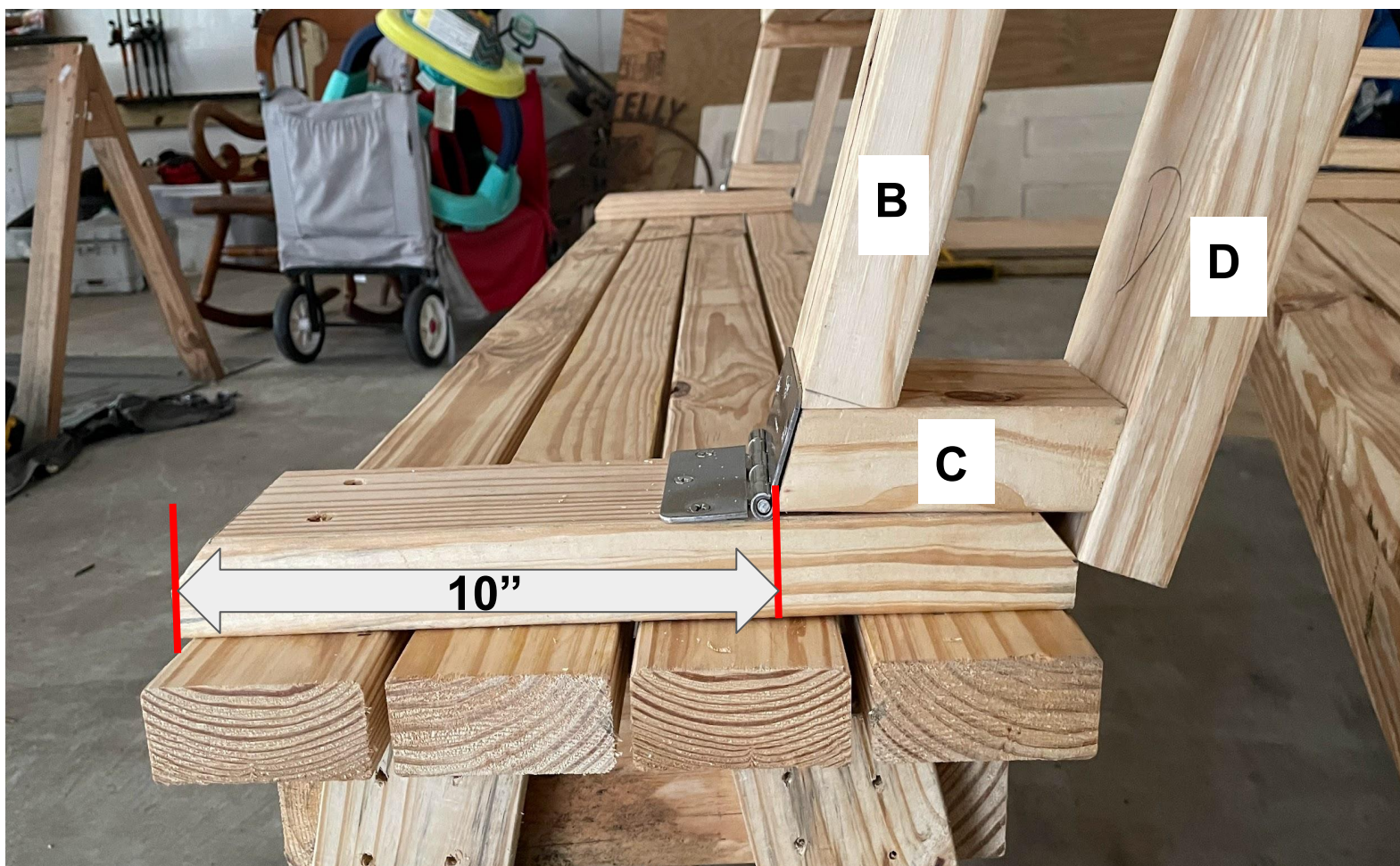
- A- 1' 3 1/2" long piece with 15 degree parallel angles.
- B- 7 1/2" long piece with 15 degree parallel angles
- C- 5 1/2" long piece with 15 degree parallel angles
- D- 10" long piece with a 15 degree bevel on one end only.

Step 10- Assemble Folding Table Frame



Once the pieces are cut and beveled line up the pieces to make this frame and fasten the pieces to each other with 2 screws.

Step 11- Line up Folding Table Frames with Bench Slats and attach using Hinges.



Now that the Folding Table frames are assembled attach them to the bench slats with the hinges.

First, lay the Folding Table Frame "C" side down to where it lays flat on the Bench Slat

Second, Take a measurement from the back of the Bench Slat and make sure it is 10" from the Folding Table Frame.

Third, center the hinge on the top of the Bench Slat and secure with screws.

Step 11- Line up Folding Table Frames with with Bench Slats and attach using Hinges.



Repeat the process for each Frame.

Step 12- Cut Table Top Boards



Cut 8- 6' boards to complete the table top.

Step 13- Lining up and Fastening Table Top



Take the table top boards and lay them on top of the “A” Brace of the Folding Table Frame. Overhang the Table top boards 1 ½” off the side.



Start the first Table Top boards even with the top of the “A” brace as shown above.

Step 13- Lining up and Fastening Table Top



Once you have the boards overhanging the Brace 1 ½", gap them evenly and fasten each one down using 2 screws.

Step 13- Lining up and Fastening Table Top



Once together the the table top should be roughly 2'6" across. After checking the measurement it is time to sand the table top and benchtops. Remember to sand both sides of the TableTop because the bottom doubles as the back of the bench seat.