5ft Porch Swing with Folding Console

Material List

5-Treated 2x4x8’

7-Treated 1x6x10’ Pre-Rip 13- 1x2x10' slats from these boards. Bring the extras in the original dimensions. (A real 1x2 is 1 ½” x ¾”)

2-Treated 1x4x8'- Pre-Rip 1- 2in wide slat for the console frame bring the other in the original dimensions.

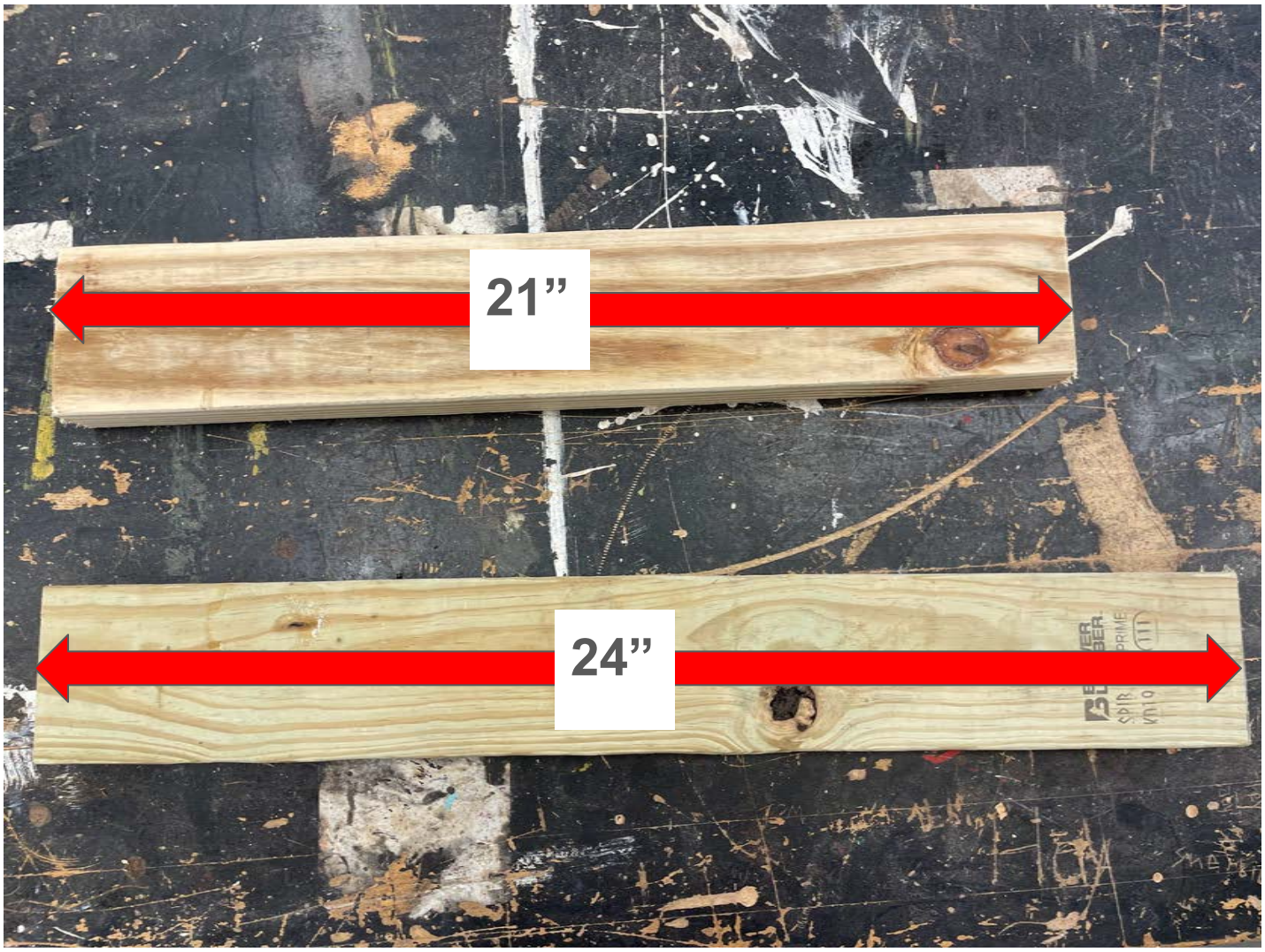
1-Treated 8’ Decking board

1-large box of 1 ½” screws

1-large box of 2 ½” screws

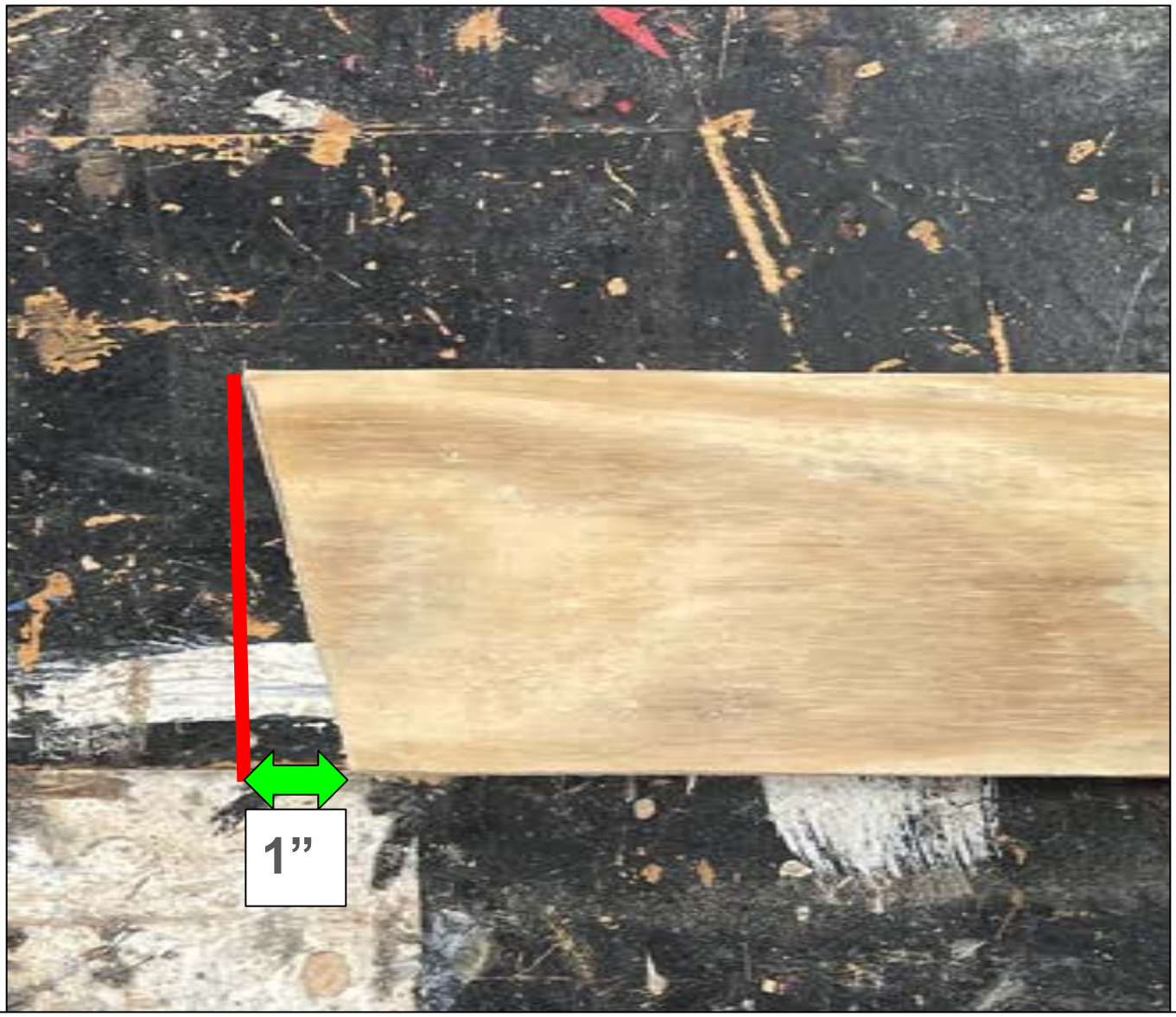
1-3” hyper tough utility hinge

Step 1: Cut Swing Braces.



Cut 4 Pieces from the treated 2x4s 21” long.
Next, Cut 4 pieces from the treated 2x4s 24” long.

Step 2: Cut angles on the end of Braces.



Next measure out 1” from the end of each 21” and 24” supports and then using a square draw a line to the adjacent corner then using a saw cut this angle on the end of each support.

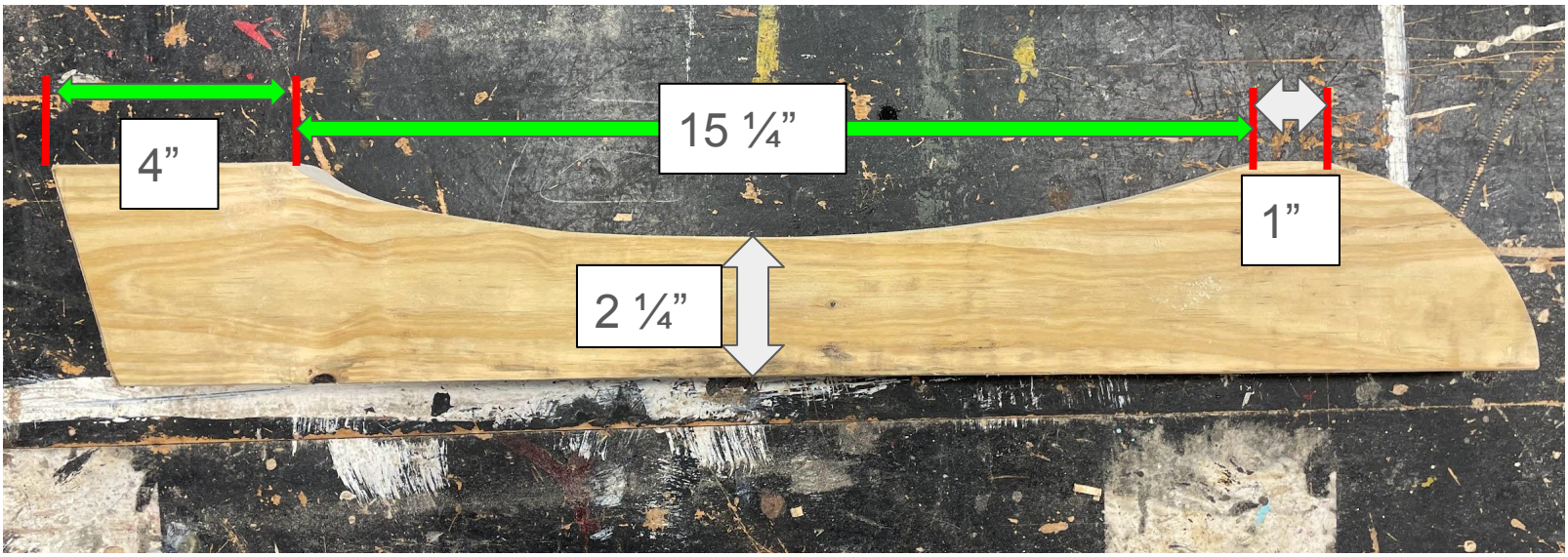
Step 3: Cut curve on the opposite end of each brace piece.

Measure 3 ½” from the other end of the board and draw a curve from the bottom corner to the 3 ½” mark then cut out the curve on all 21” and 24” braces.

Step 3: Continued

All brace 21” and 24” pieces should look like this at the completion of Steps 2 and 3.

Step 4: Cutting out seat braces.



Come off the front curve of the 24” seat braces an inch and draw out a 15 ¼” curve for the seat of the swing. The middle of the curve should be 1 1/4” deep leaving 2 ¼” of the original width of the brace. The seat should end leaving a 4” tail where the back braces will attach.

Step 5: Cut slats for cross braces.

Take two of the 21” back braces and come down 3 ½” from the top of the brace and cut a slat for the swings cross braces. The slat for the brace should be the dimensions of a 2x4 which is 1 ½” x 3 ½”.

*Treated boards because of the pressure treated chemical can be slightly bigger than the standard 2x4 dimensions if needed cut your slats to compensate for the difference.

Step 5: Continued

Take 2 of the 24” seat braces and measure 2” from the front and the bottom of the angled end of the braces and cut out the cross brace slats to fit the dimensions of a 2x4 which is 1 ½” x 3 ½”.

*Because of the pressure treated chemical, treated boards can be slightly bigger than the standard 2x4 dimensions, if needed, cut your slats to compensate for the difference.

Step 6: Drill Pocket holes in Back Braces and attach to Seat Braces

Using a pocket hole jig drill pocket holes for 2 screws on each 21” back brace. Two of the braces should have pocket holes on the on the right side of the board and 2 of the braces should have pocket holes on the left side of the braces. This way all pocket holes are facing toward the middle of the swing.

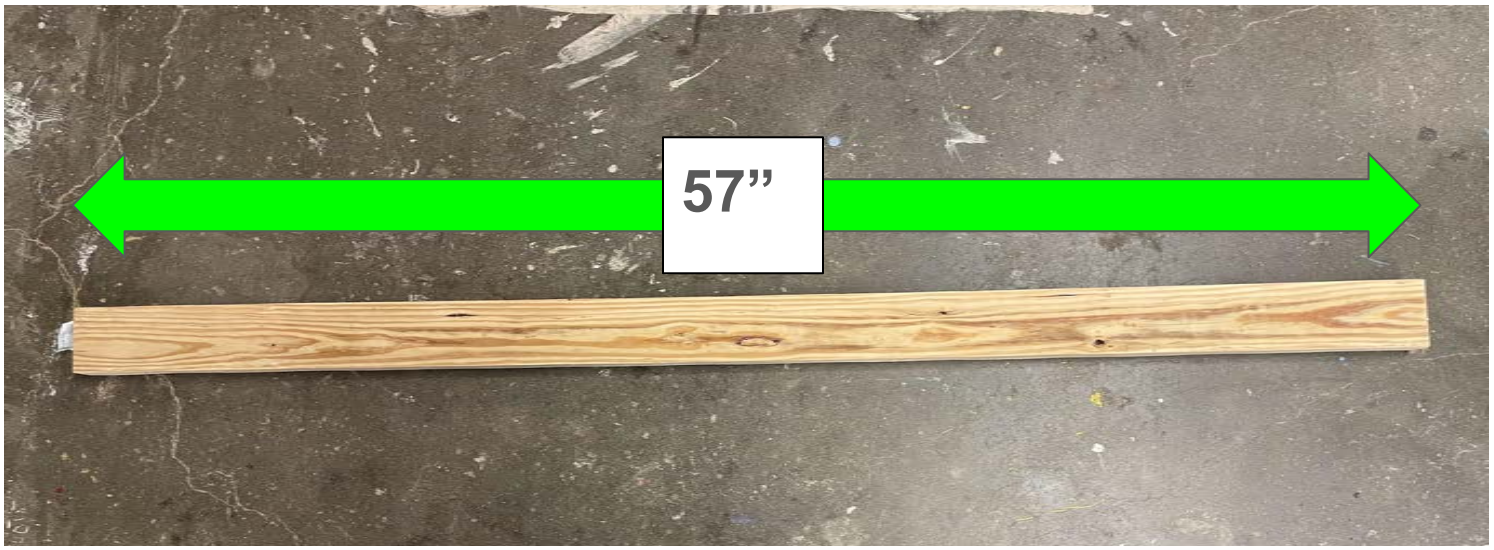
Step 6: Continued

Next, aline the back braces on the angled end of the seat braces and attach using 2 ½” screws.

Step 6: Continued

The braces with slats cut out should be attached together while the non slated braces should be attached together.

Step 7: Constructing the Swing Frame



Cut three 57” long cross braces out of the treated 2x4s.

Step 7: Continued

Attach the end braces to the two bottom cross braces position the cross braces 2” from the front of the seat braces and 2” from the bottom of the back of the seat brace.

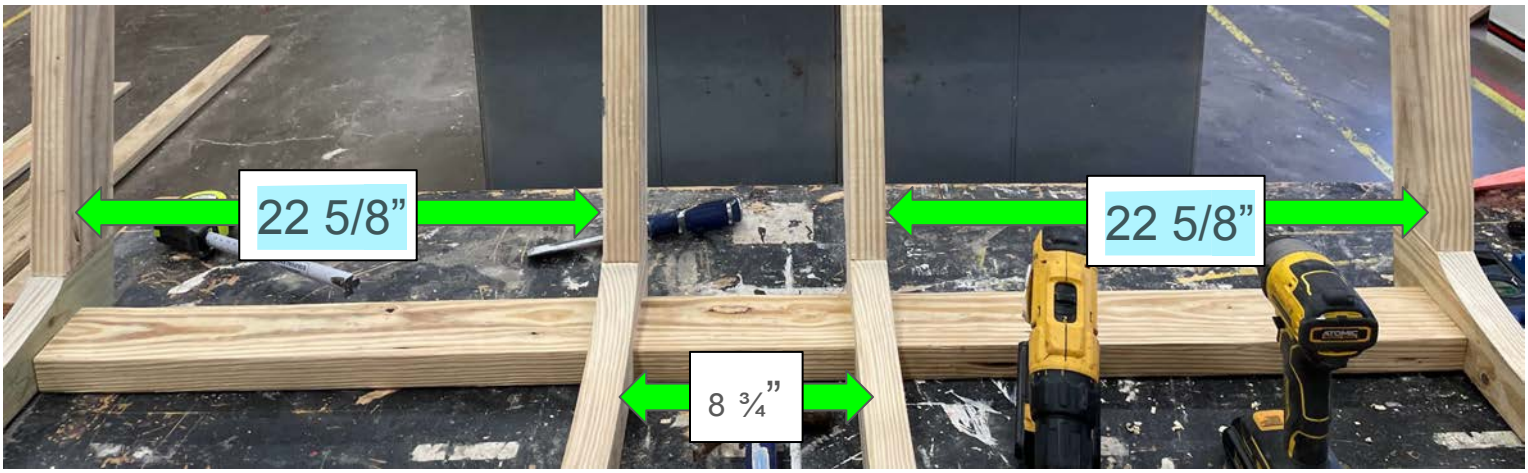
Step 7: Continued

Attach from the outside of the brace using two 2 ½” screws on each side.

Step 7: Continued

Once the outside braces and are screwed to the cross braces next will be to position the middle braces.

Step 7-Continued

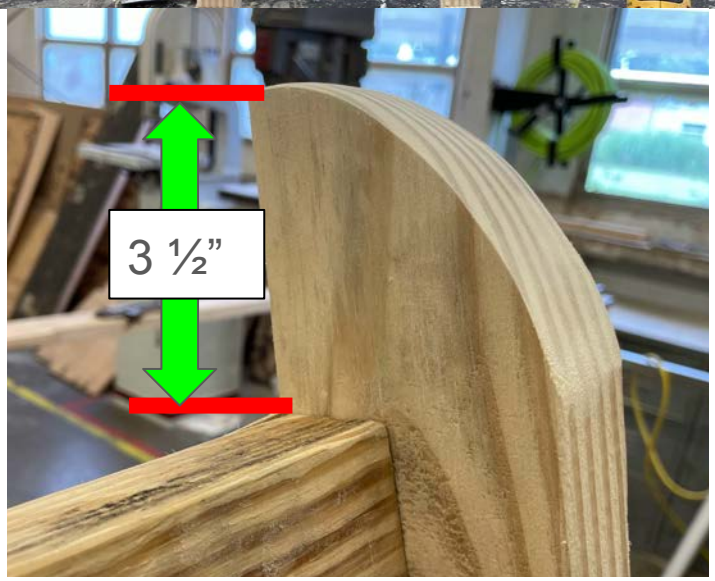


Take the middle braces with the cross brace slots and position them on the bottom cross braces and space according to the picture.

Step 7: Continued

Then flip over and attach the middle braces to the bottom cross braces using 2 ½” screws

Step 7: Continued



Insert the back cross brace then space and attach in the same manner as the seat using 2 ½” screws.

Step 7: Continued

Once the frame is together begin putting the seat slats on.

Step 8: Installing Slats

Take the pre-ripped 1x2s and cut twelve 60” pieces for the seat slats. Space the slats ¼”. You will end up with a ¾”-1” gap between the last slat and the back brace. Attach slats using 1 ½” screws. Pre-drill holes for screws to avoid splitting the slats.

Step 9: Install console support

Mark a line on each back brace at ¾” from the joint with the seat brace.

Cut a 8 ¾” piece from the 1x4 and install between the two middle braces right below the ¾” line marked on the brace.

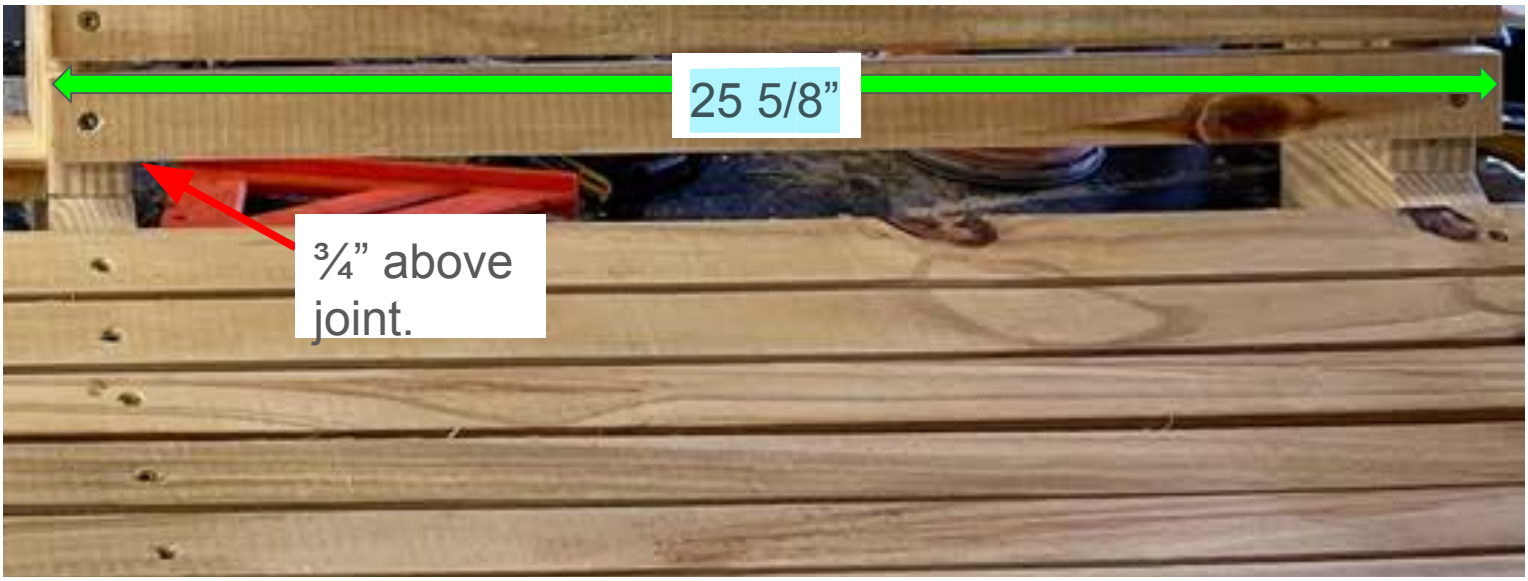
Tilt the support down toward the back to where it matches the angle of the back braces and the edge of the board is flush with the back brace.

Attach to the middle braces using 2 ½” screws coming through the side of each brace.

Step 9: Continued

Finished installation of the console support.

Step 10: Install slats on back braces



From the 1x2 ripped slats cut twenty 25 5/8” pieces. Place the first slat from the bottom above the ¾” marks your made on the back braces and attach using 1 ½” screws. Repeat this on the other side of the swing as well.

Step 10: Continued

Gap the 25 ¾” back slats ¼” and install all slats to the back braces using 1 ½” screws. We recommend pre-drilling holes for the screws to avoid splitting the slats.

Step 10: Continued

Cut the final 3 slats from the pre-ripped 1x2s 60” long for the top curve of the back brace. Install the first 60” right above the 25 ¾” slats. Gap it ¼” from the 25 ¾” slats. Secure with 1 ½” screws

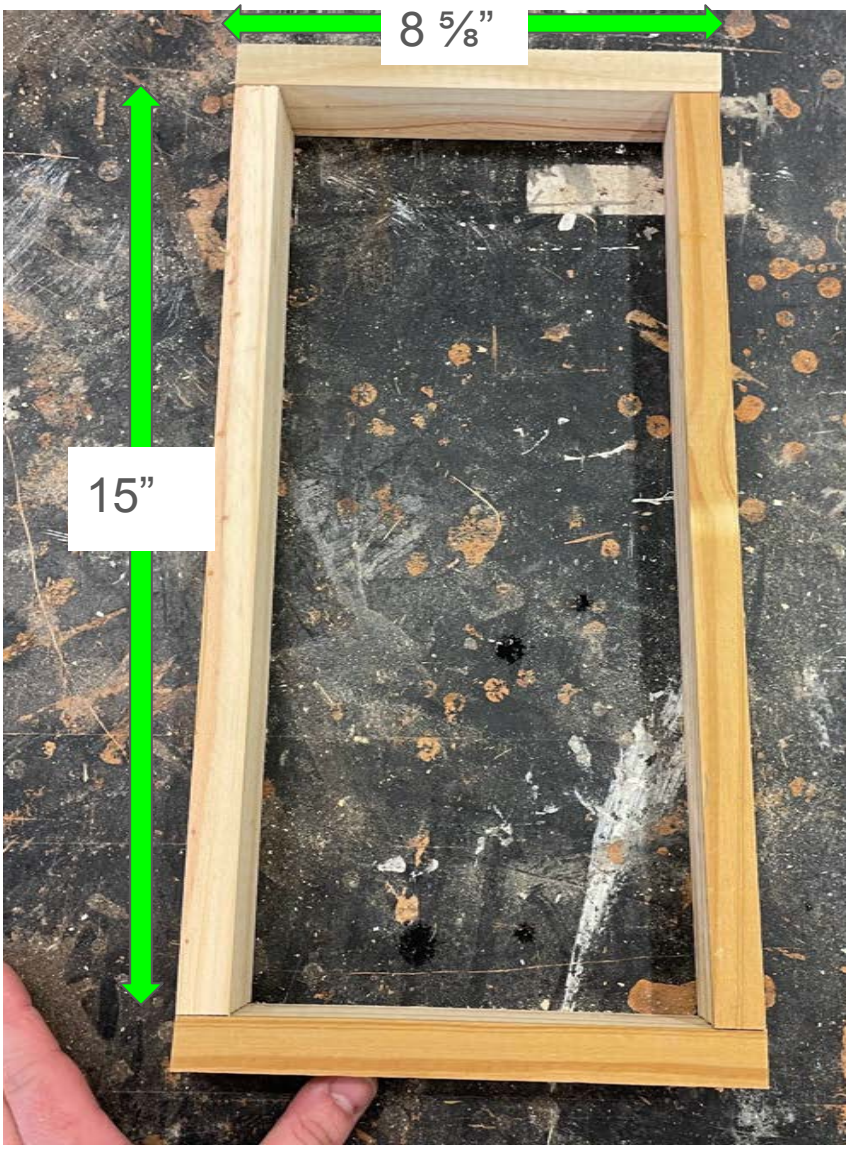
Next, Install the 60” slat on top of the back brace putting it flush with the back of the brace. Secure with 1 ½” screws.

Finally, install the slat between them by first placing it evenly between the 2 previously install slats. Then secure with 1 ½” screws.

Step 10: Continued

Swing with all slats attached to the swing frame.

Step 11: Construct the Center Console

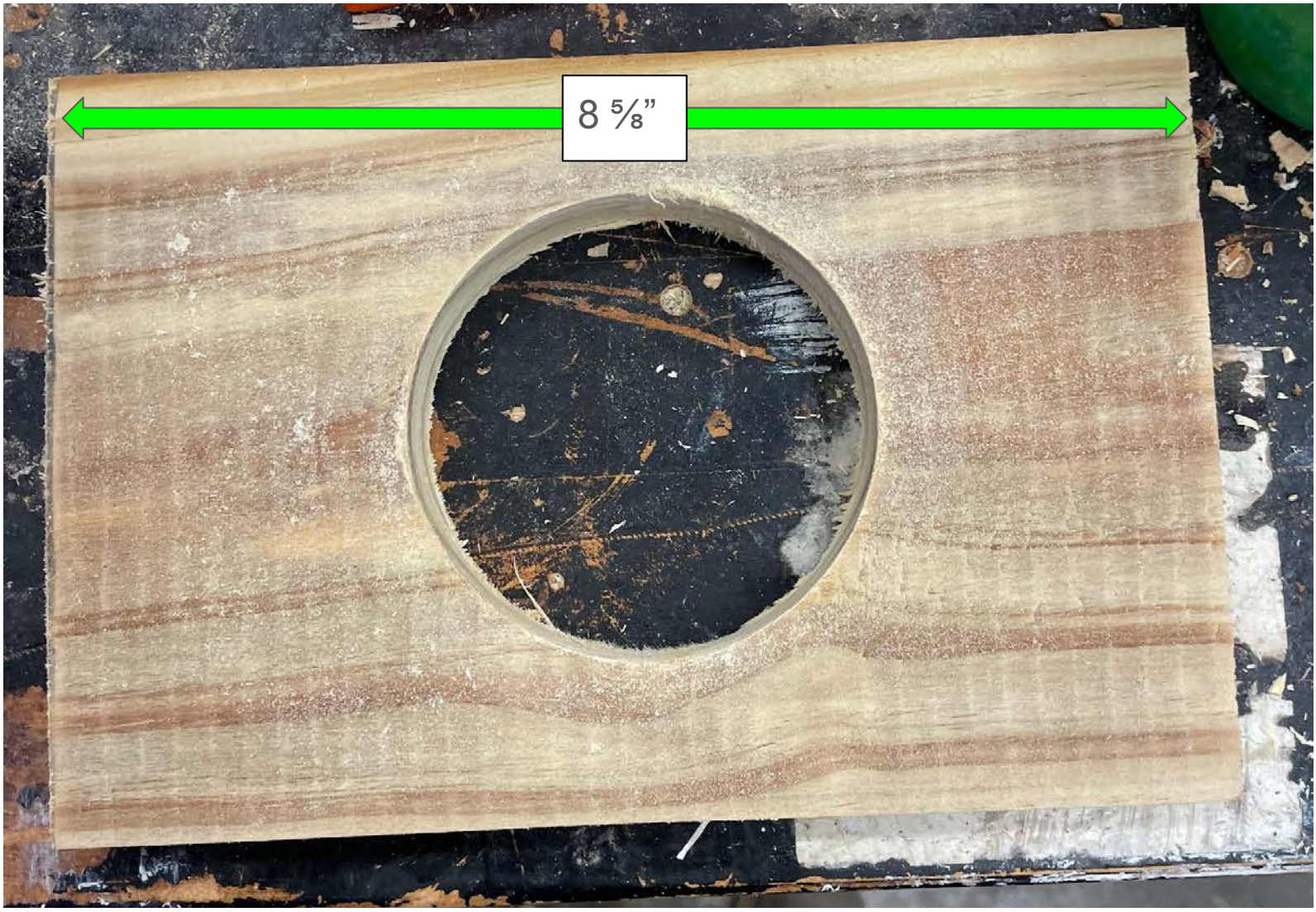


Take your 8’ pre-ripped 2” wide strip and cut two 15” pieces and 8 ⅝” pieces. Then attach using 1 ½” screws into a frame.

Step 11: Continued

Take your 3” hinge and attach it in the middle of one of the 8 ¾” sides of the frame. Then attach the other side of the hinge to the 1x4 console support.

Step 11: Continued

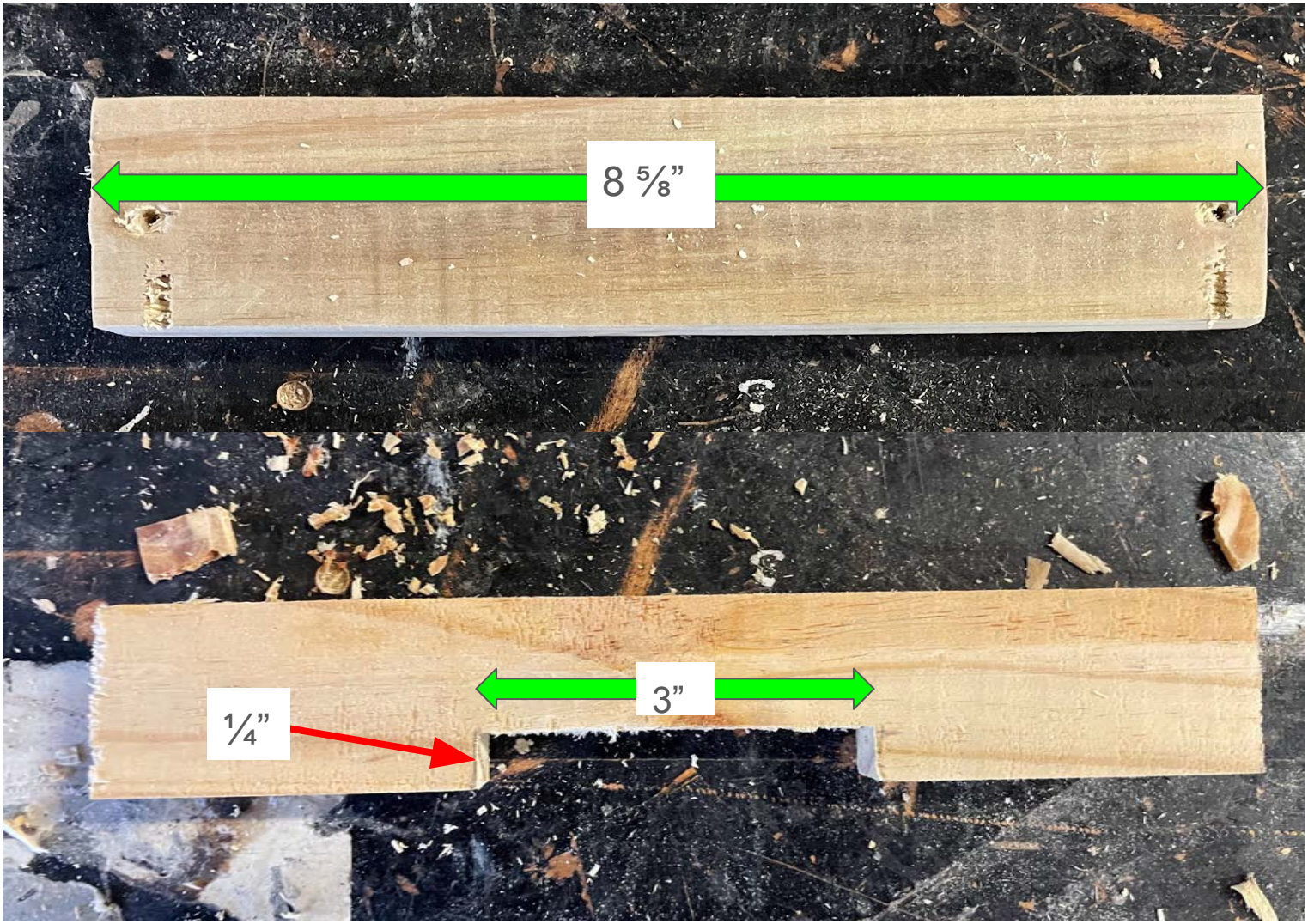


Cut from the 1x6 two 8 ⅝” pieces measure length and width to find the center of the board and cut a 3 in hole for the cup holder on both pieces.

Step 11: Continued

Install the 2 cup holders on the frame from the back and secure with 1 ½” screws.

Step 11: Continued

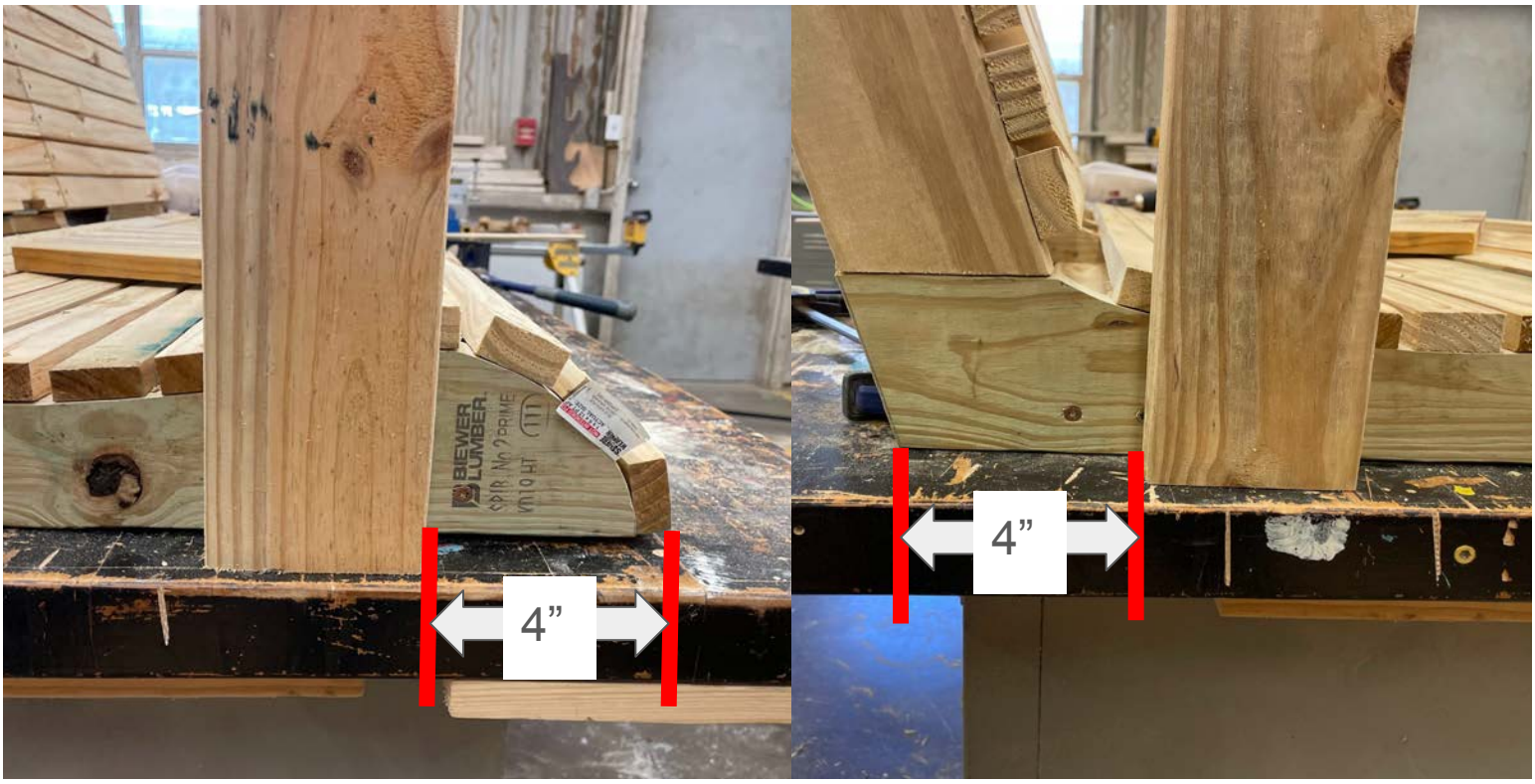


From the pre-ripped 1x2s cut ten 8 ⅝” slats for the front of the console. Take one of them and notch a ⅜” x 3” slot. This slat will be the slat that goes over the hinge of the console as the first slat from the bottom.

Step 11: Continued

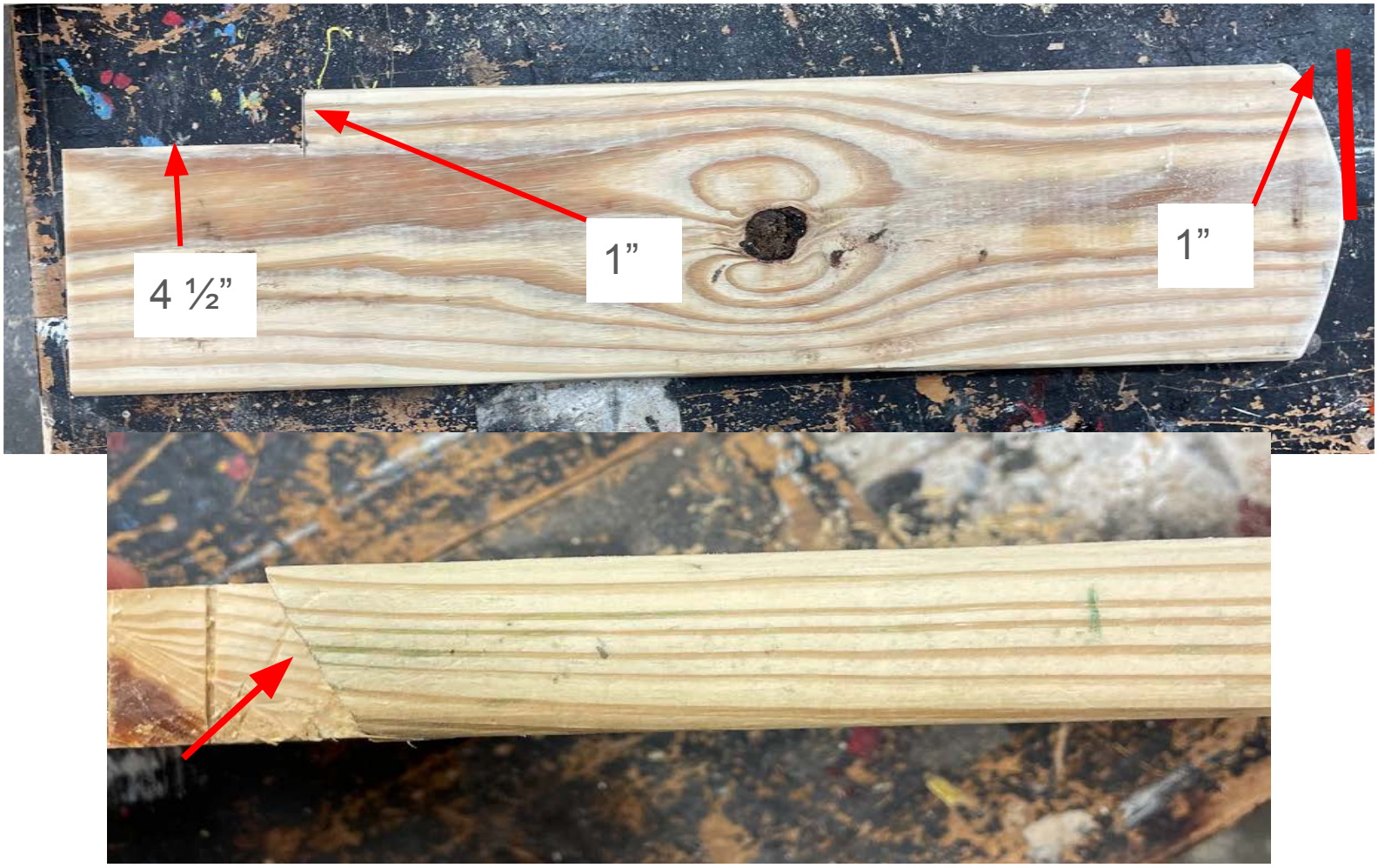
Install the slats on the front of the console gapping them a ¼”. Secure using 1 ½” screws. Recommend pre drilling holes for screws.

Step 12: Installing the Swing Arm Rest



Cut from the 2x4 four 11” pieces for the arm rest supports. Position the front support 4” from the front of the seat. Then position the back support 4 inches from the bottom angle of the back of the seat brace. Secure with 2 ½” screws

Step 12: Continued



Start by cutting two 24” pieces out of the decking board.

On one end measure 1” off of the end and draw a curve to both marks and cut curve made.

On the other draw a 1” x 4 ½” notch on the end of the arm and cut out.

Last, chisel an angle that matches the angle of the back braces so the 1”x4 ½” notch fits flush against the back of the swing.

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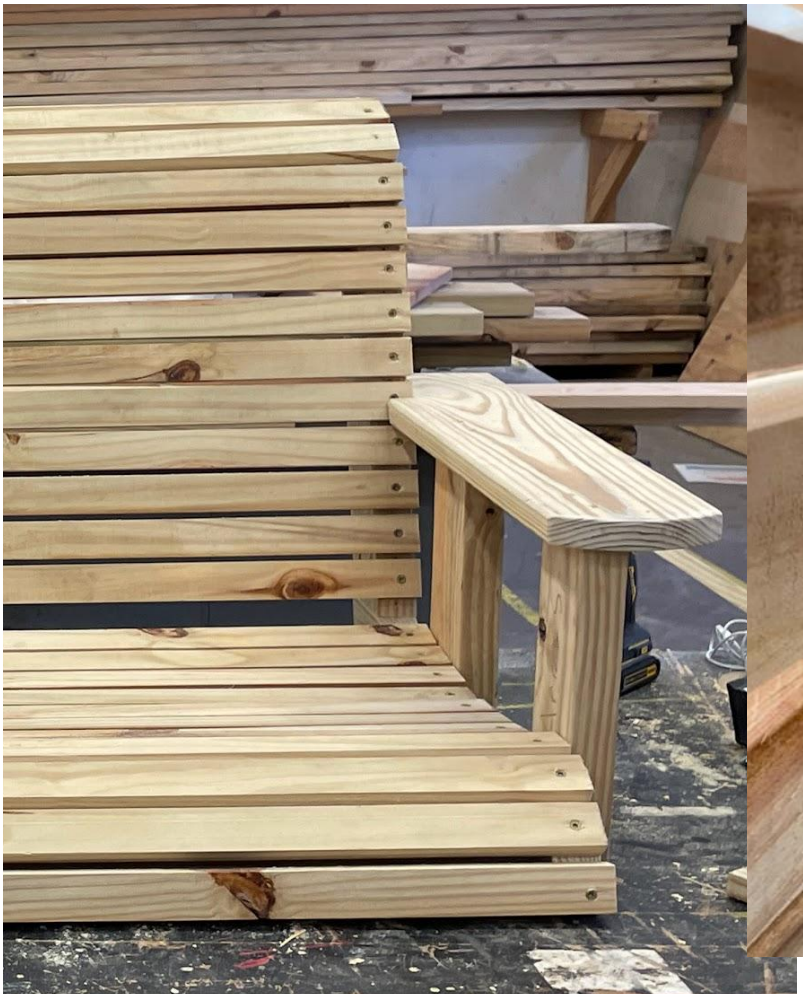
Step 12: Continued



Install the arm using 2 ½” screws. Use two screws from top to attach the arm to the arm supports. Attach the notched end of the board with one 2 ½” screw from the inside of the end brace. Round the edges of the curved end of the arm rest.

Finished Product

Finish by sanding the project.