

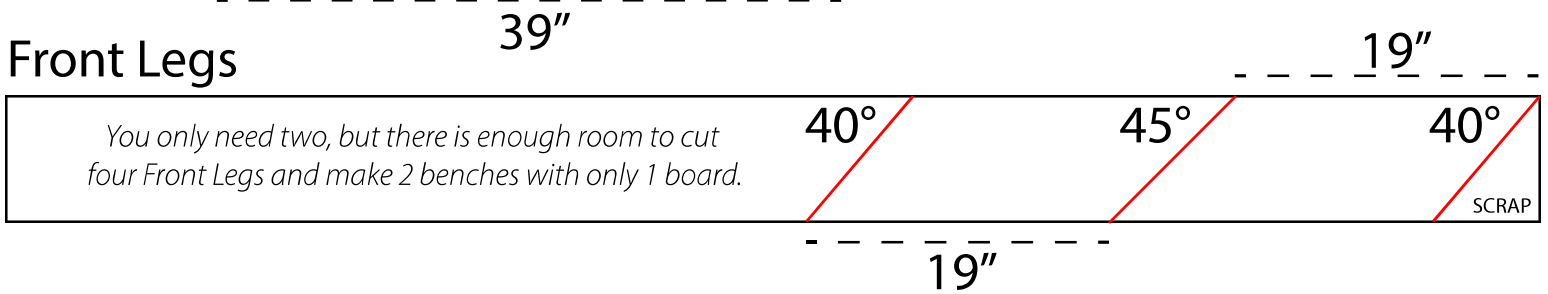
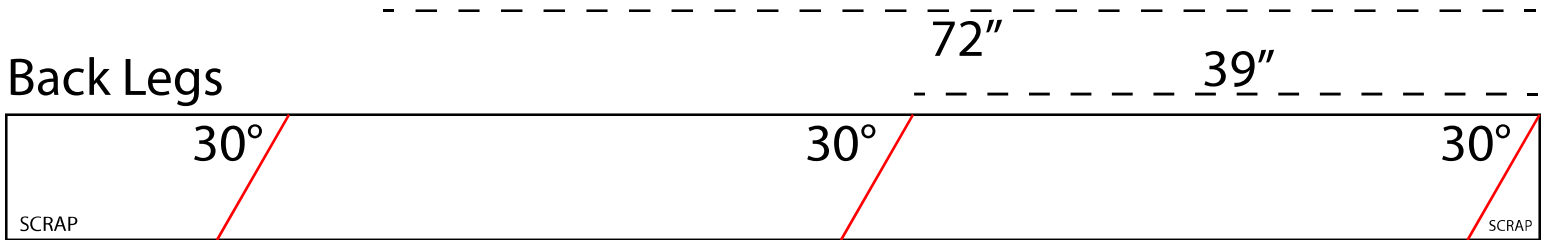
The Play NC Bench

These 6' benches will be placed at local bus stops that do not currently provide a place for people to sit while waiting for the bus. Upon completion, you will sign your bench and Play NC will release it out into the community to provide rest and comfort to other humans. Thank you for helping us build a better Durham!

STEP ONE: Use Six 2" x 8" x 8' Pressure Treated boards. Cut boards to size.

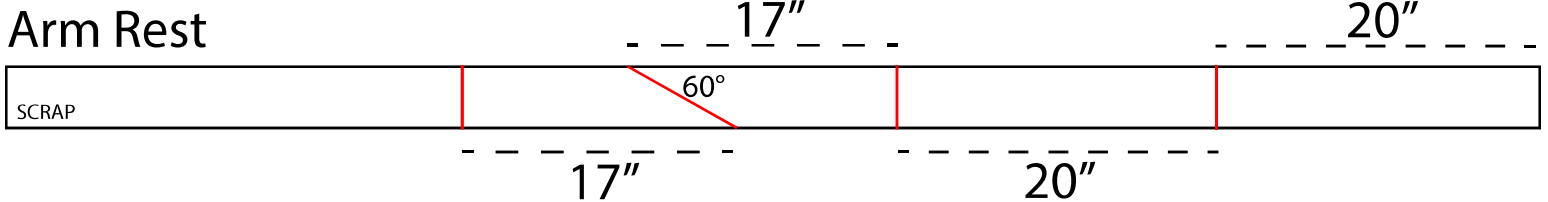
Back Rest & Bench Seat (x4)

Two of these extra 2' pieces are used to make bracing.

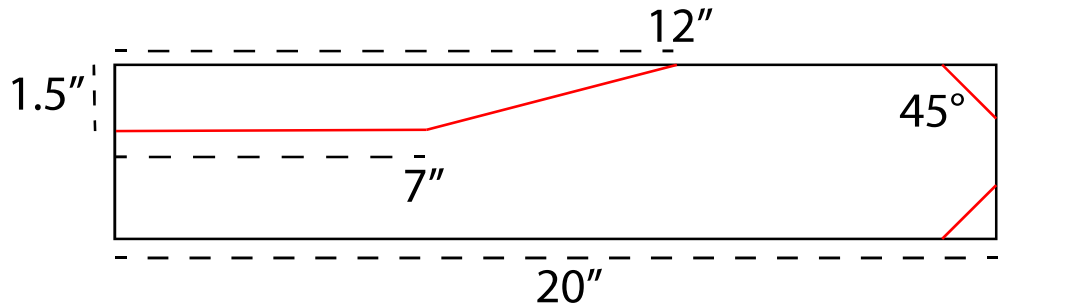


You only need two, but there is enough room to cut four Front Legs and make 2 benches with only 1 board.

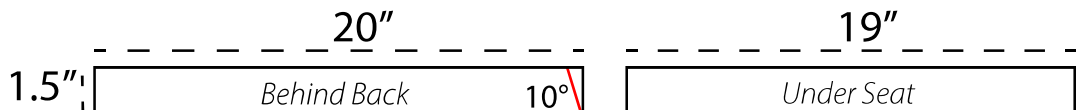
STEP TWO: Use One 2" x 4" x 8' Pressure Treated board. Cut boards to size.



STEP THREE: Measure 1.5" from the interior side, then 7" down the arm. At that point, angle up to 12" from the back of the arm. Cut corners at front of arm.



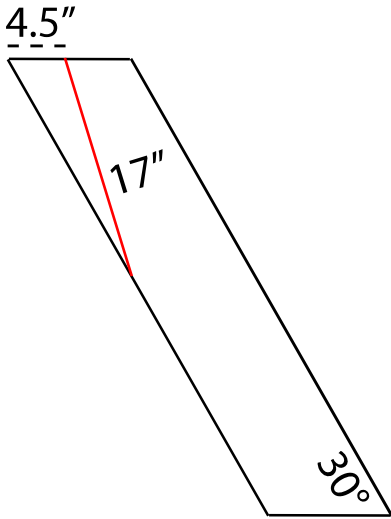
STEP FOUR: Cut one 19" with 10° bevel. Cut one 20" with 10° bevel.



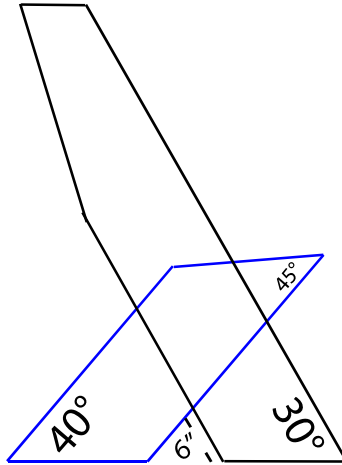
Optional: Use 2' pieces of scrap from Back/Bench to make a center brace.

The Play NC Bench

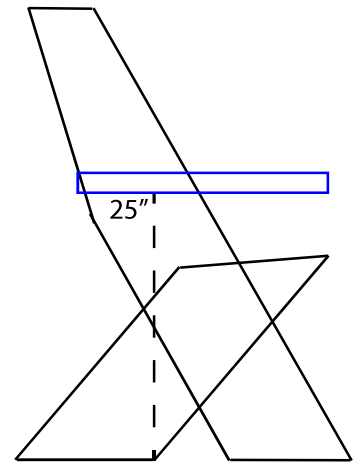
STEP FIVE: Measure 4.5" from back of each Back Leg. Cut a 17" line to edge of board using a Circular Saw or Hand Saw.



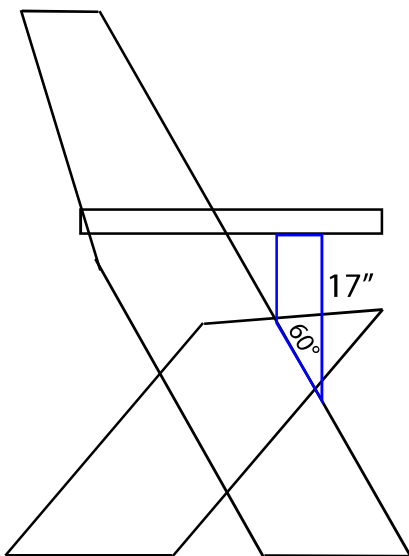
STEP SIX: Measure 6" from bottom of the short side of the Back Leg. Place Front and Back Leg flat, intersect at 6" from floor.



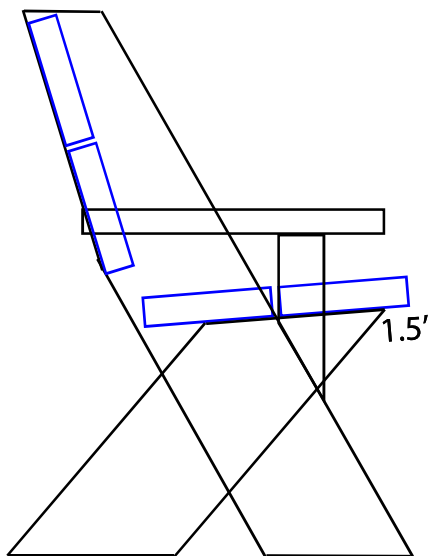
STEP SEVEN: Measure 25" from floor, draw level line for bottom of arm rest. Add two screws from outside of the back legs.



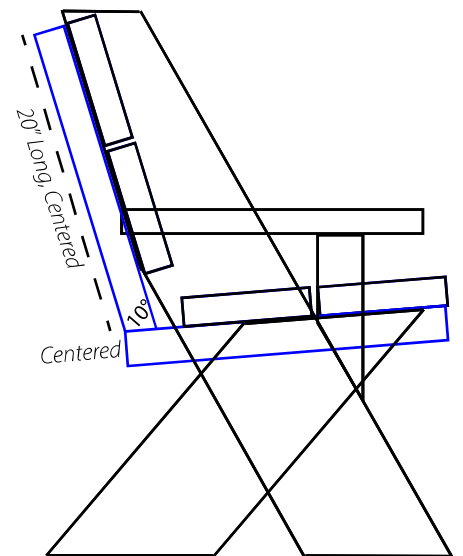
STEP EIGHT: Wedge arm brace into position. Screw down from armrest, toenail from front, and back nail from inside legs.



STEP NINE: Align back rest with top of back legs. Leave 1/2" gap between back and seat boards. Add extra screw in side.



STEP TEN: Screw 19" brace to middle of seat's underside from below. Center back brace, bevel down, screw from back.

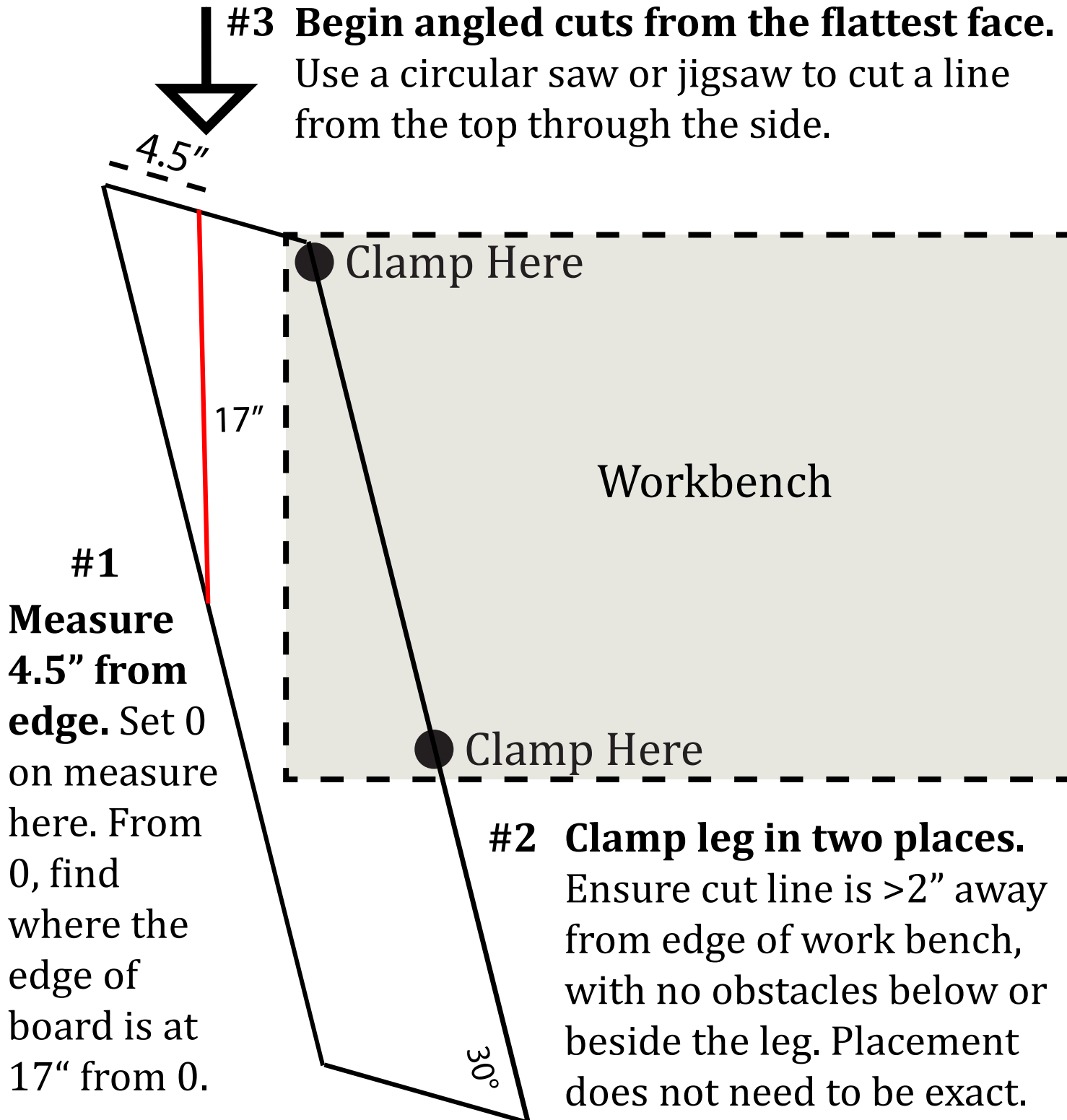


That is it! You have made a bench. This is your bench. Be proud to share it with the world!

For details and digital plans, visit playdurham.com

Thank you!

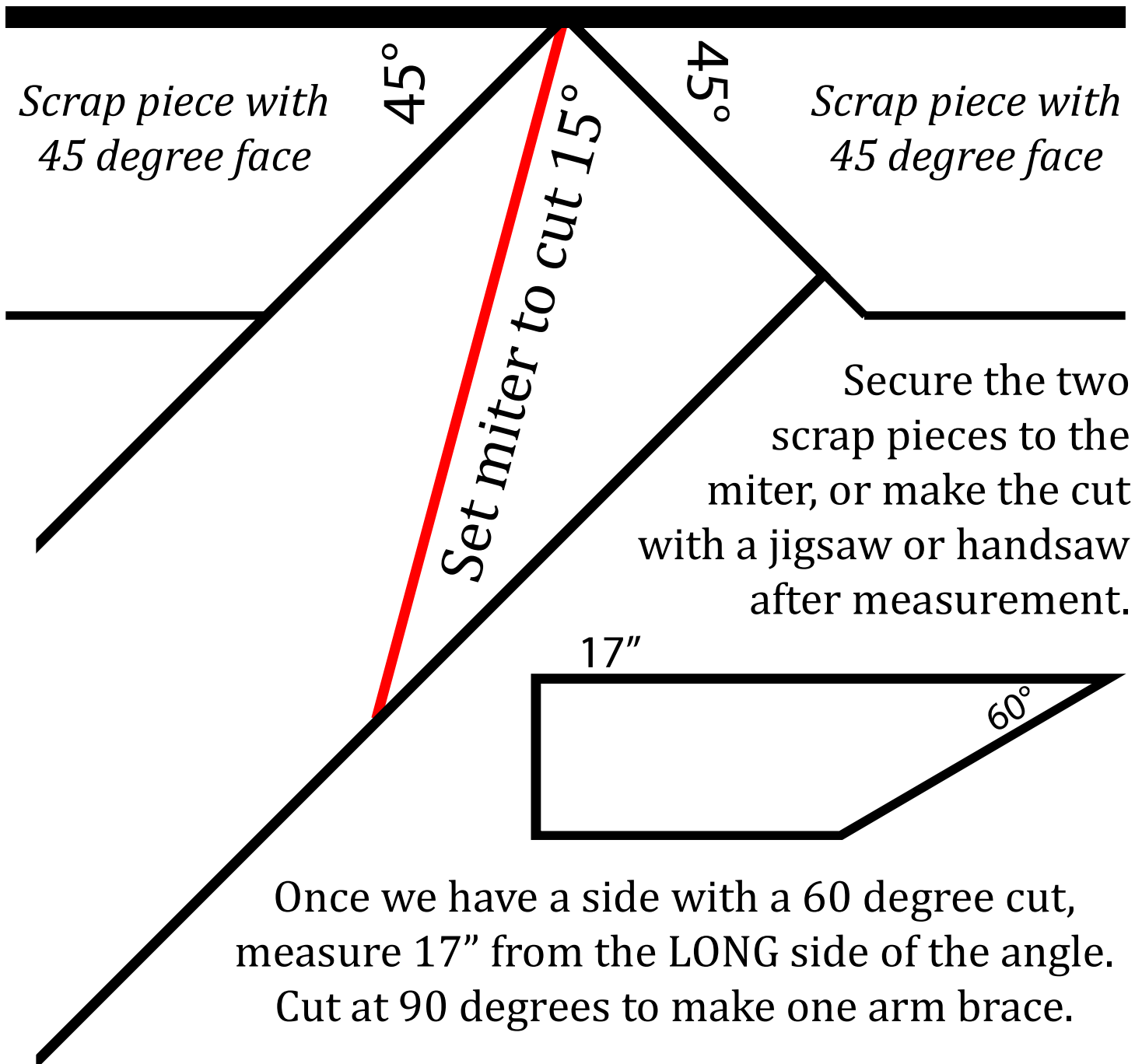
The Play NC Bench: Cutting the Back Rest



The Play NC Bench: Cutting the Arm Brace

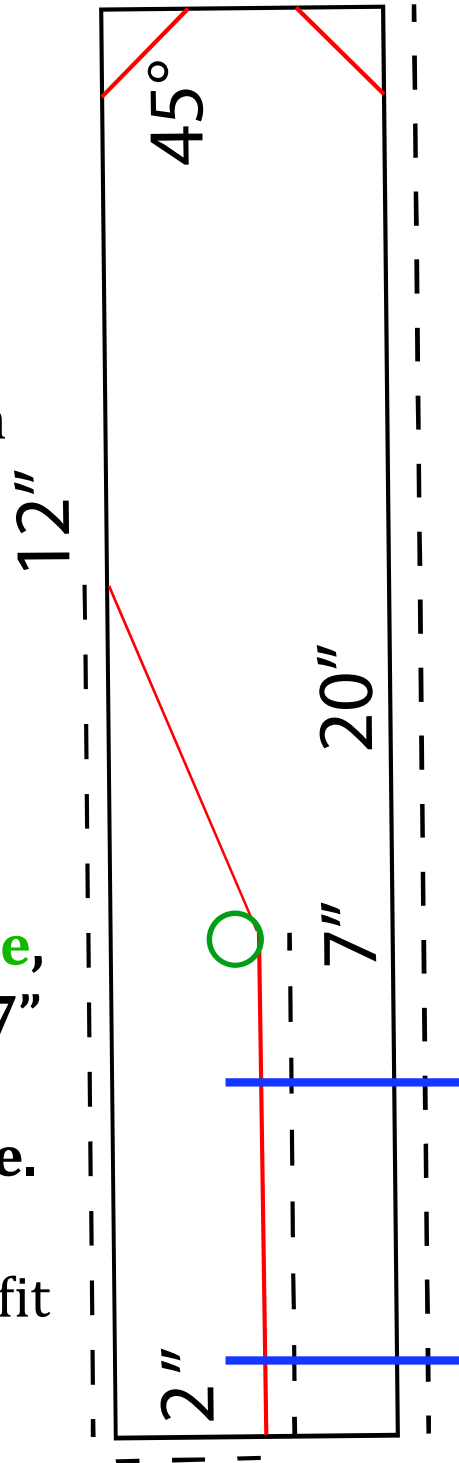
We need to cut a 60 degree angle, but miter saws only have a 45 degree setting. We need to add an extra 15 degrees to our cut using a scrap piece of wood.

MITER SAW FENCE



The Play NC Bench: Creating the Arm Rests

- #2 Measure 12" from the end.** Make a mark on the edge, draw line to edge of drilled hole.
- #1 Drill a 1/2" hole, with center at 7" from end and 1.75" from edge.** Hole should be wide enough to fit a jigsaw blade.



- #5 Cut 45 degree soft corners.** Start ~3/4" from edge, cut angle using miter saw.
- #4 Cut two lines with a jigsaw.** Start in the drilled hole, cut a straight line to edge and end marks.
- #3 Measure 2" from the edge.** Make a mark on the end, draw line to edge of drilled hole.

- #6 Drill pilot holes from side of armrest.** With thinner pieces, pre-drill holes to avoid cracks.