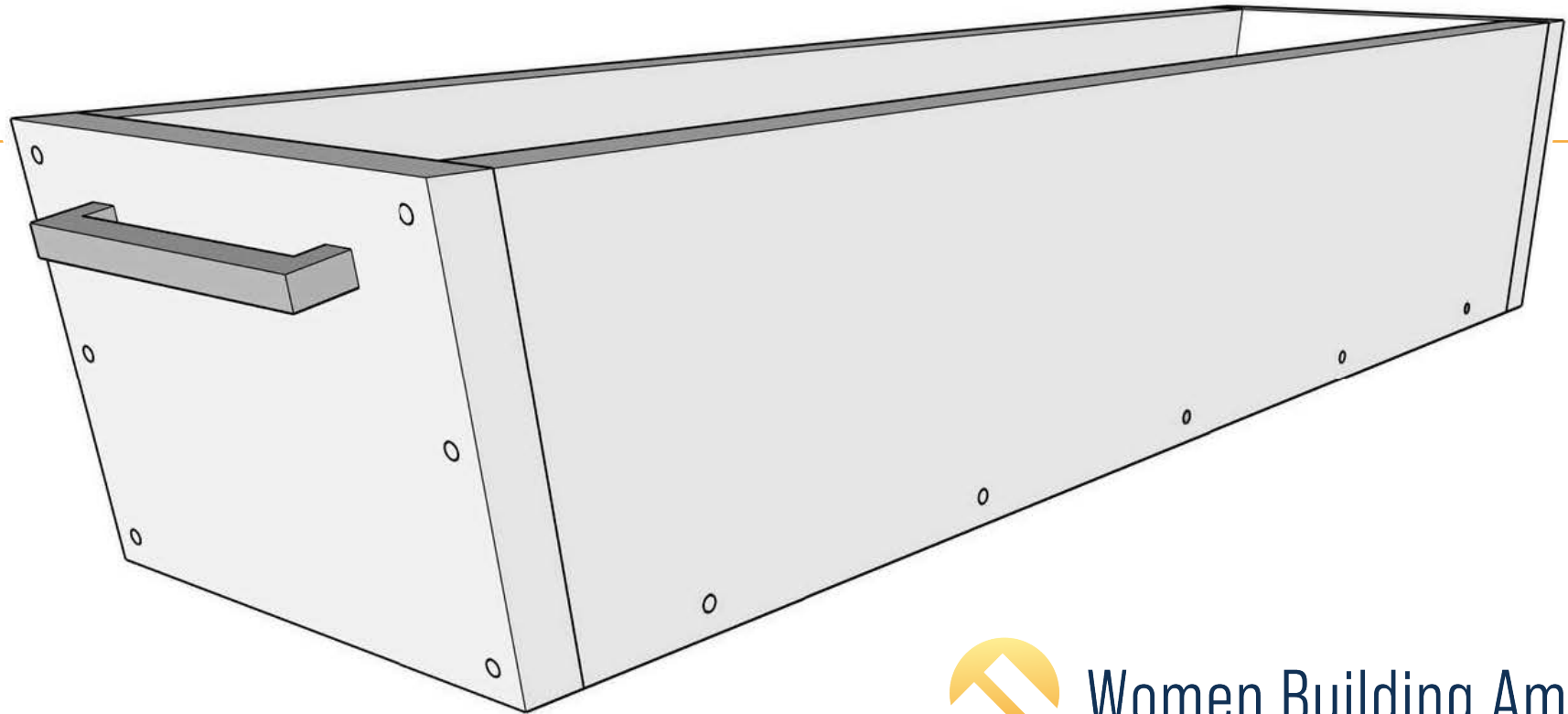


Girl's Construction Camp Project Instructions:

PLANTER BOX



Women Building America

Tools & Building Materials Needed to Complete this Project:

(1) 1x6x10ft

(22+) 3" Screws

(2) Handles (optional)

Paint / Stain

Table Saw

Miter Saw

Power Drill

Drill Bits & Drivers

Speed Square

Tape Measure

Pencil

Optional Materials:

Wood Glue

Sandpaper

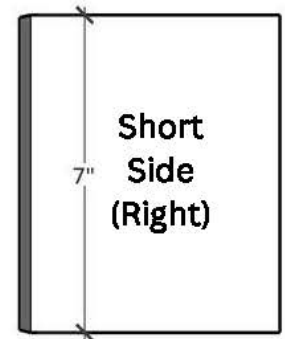
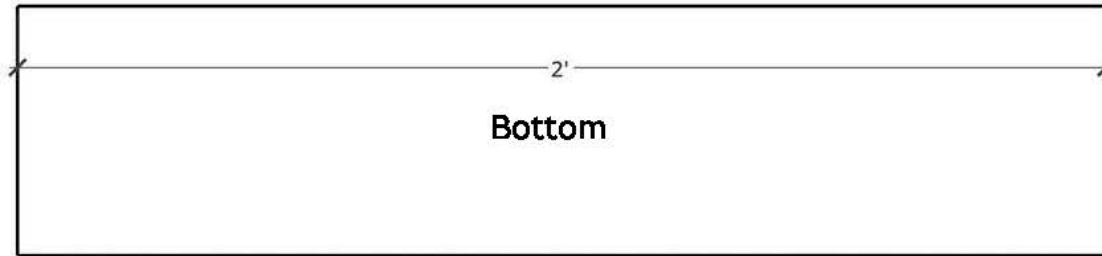
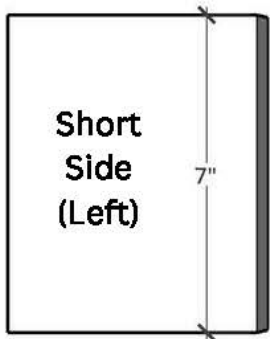
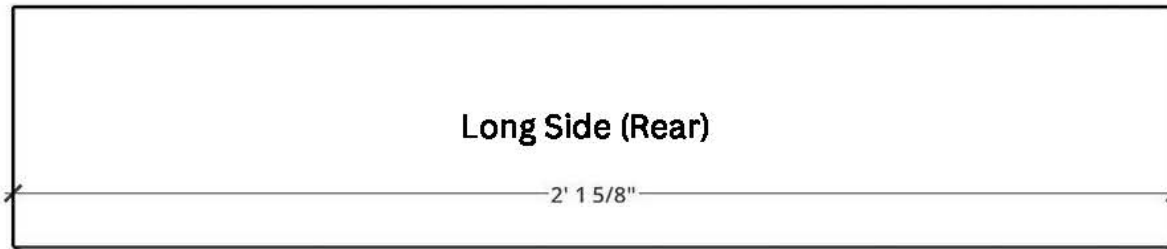
Caulk / Wood Filler



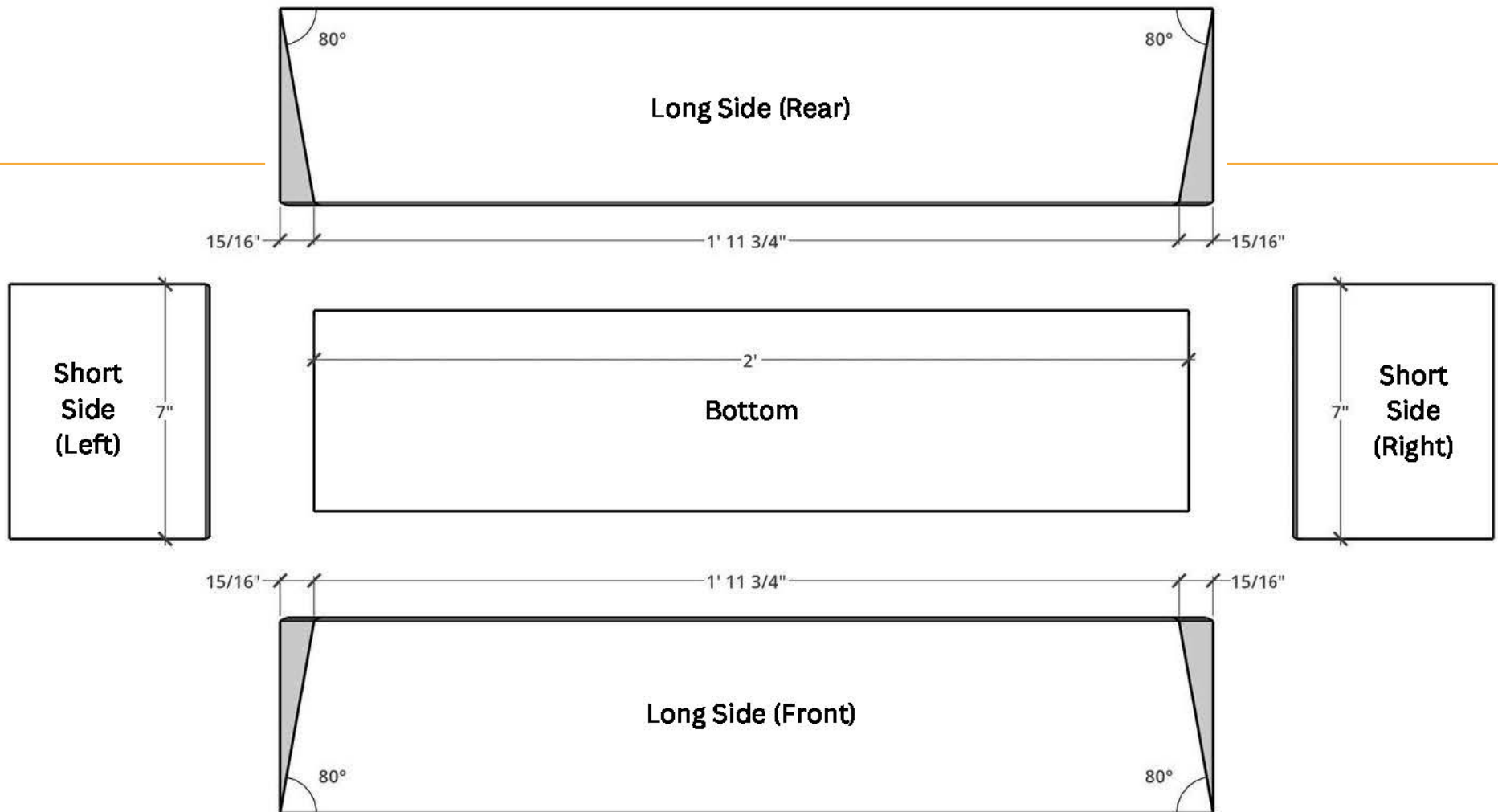
Step 1: On a full-length 1x6, measure and mark the lengths of the following boards:

- (1) 1x6 x 24" long (bottom)
- (2) 1x6 x 25-5/8" long (long sides)
- (2) 1x6 x 7" long (short sides)

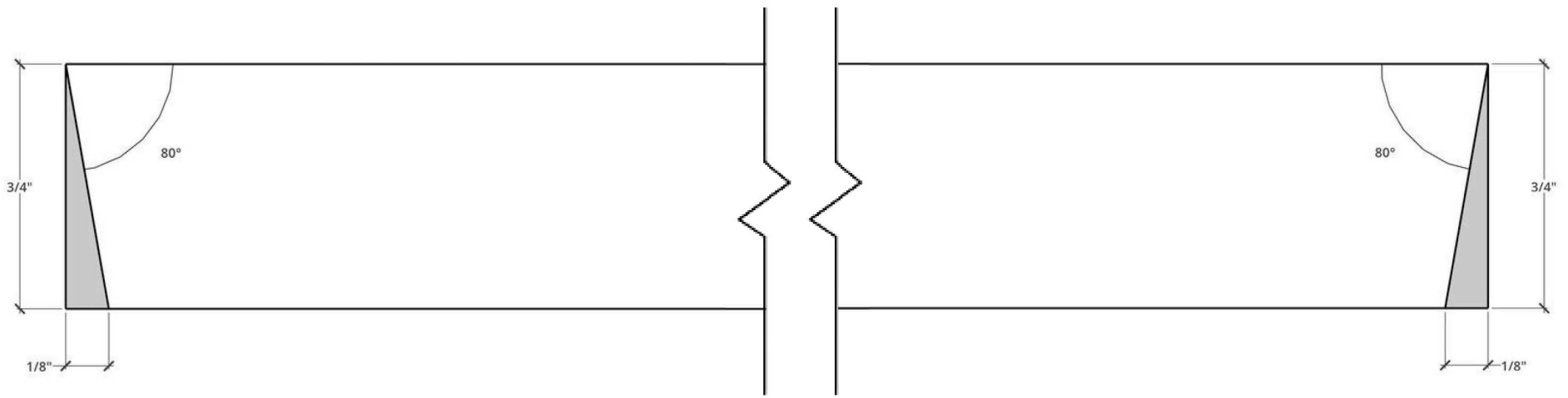
! Use a Miter Saw to cut each of these board lengths.



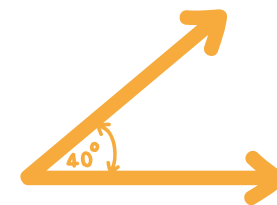
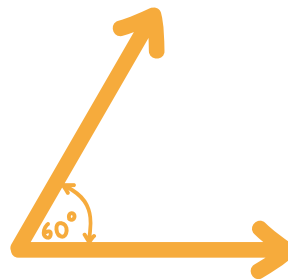
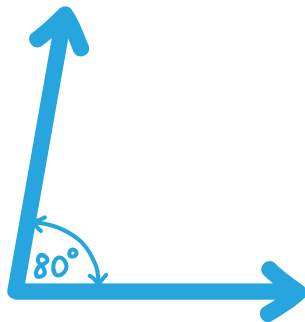
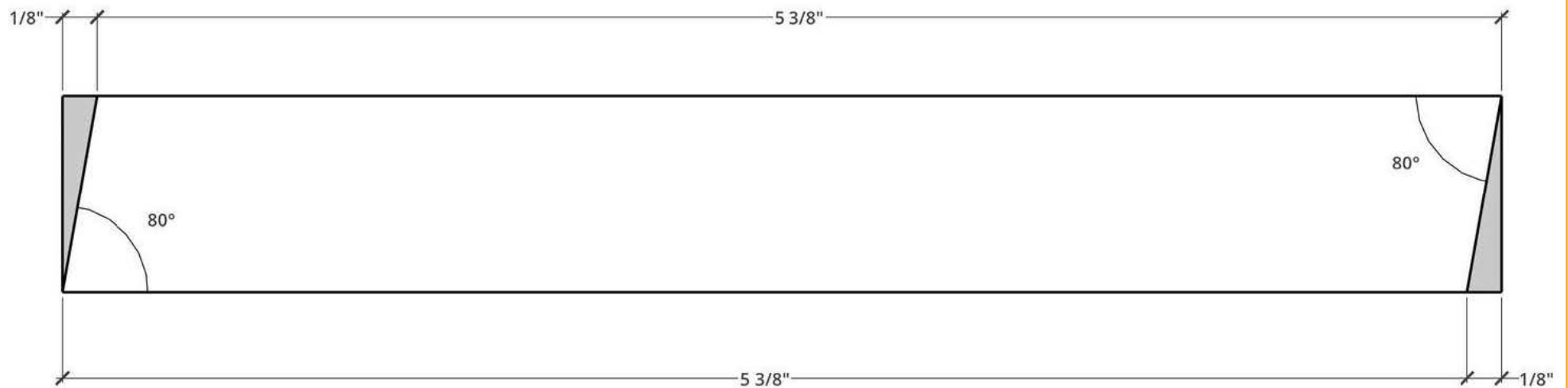
Step 2: On the two longest cut boards, use a Speed Square to measure and mark an 80° angle as shown on either short end. Adjust the angle of the Miter Saw to match the desired angle and cut both marked ends of the two boards. These cuts will allow either end of the planter box to be angled.



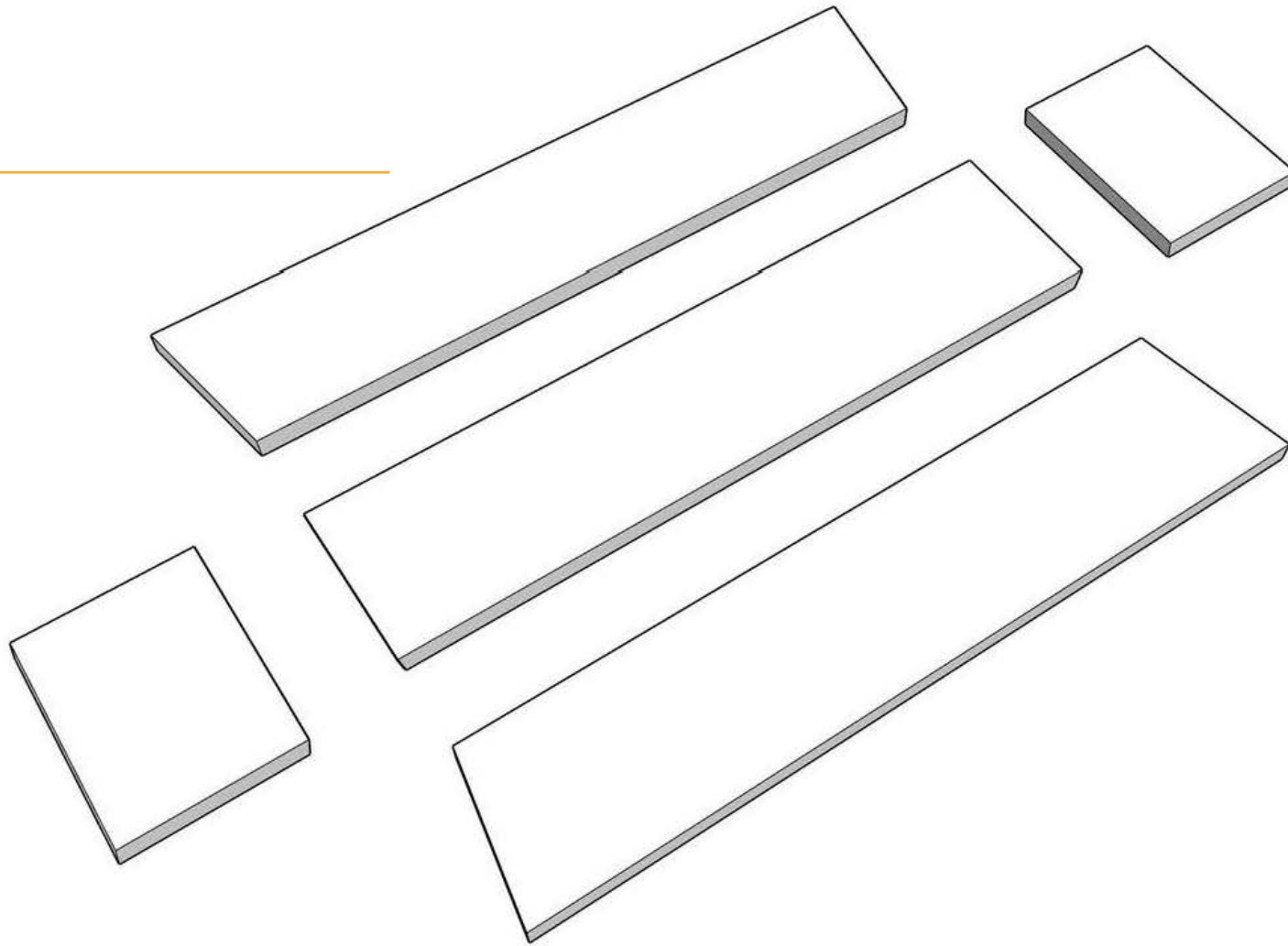
Step 3: On the two longest cut boards, use a Speed Square to measure and mark an 80° angle as shown on either short end. Adjust the angle of the Miter Saw to match the desired angle and cut both marked ends of the two boards. These cuts will allow either end of the planter box to be angled.



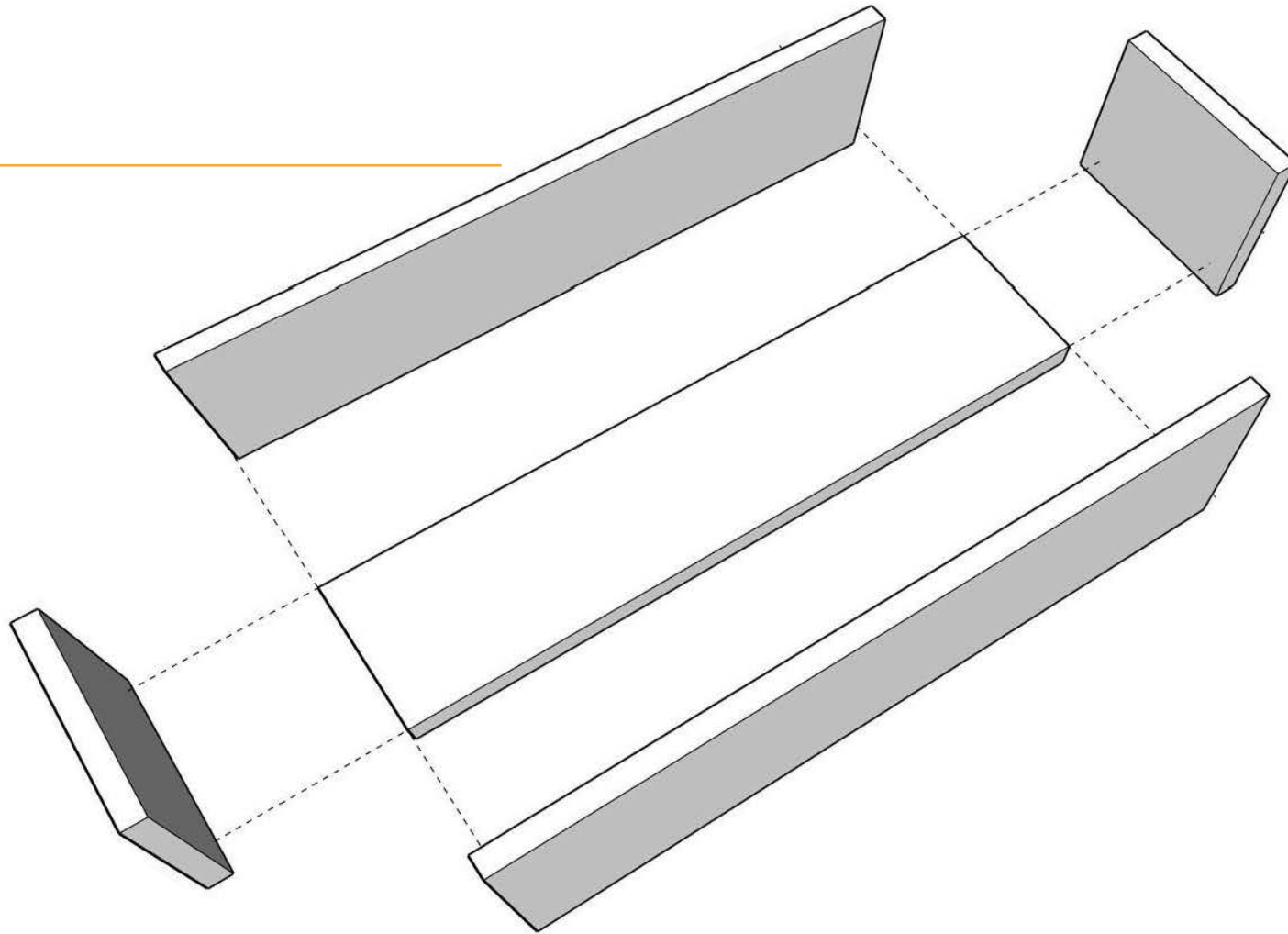
Step 4: Along the shorter edge of the two 7" boards, use a Speed Square to measure and mark an 80° angle as shown on either end. Adjust the angle of the Table Saw blade to match the desired angle and cut along the marked edges of the two 7" boards. These cuts will allow the angles short sides of the planter box to be flush with the top and bottom of the front and rear sides when assembled.



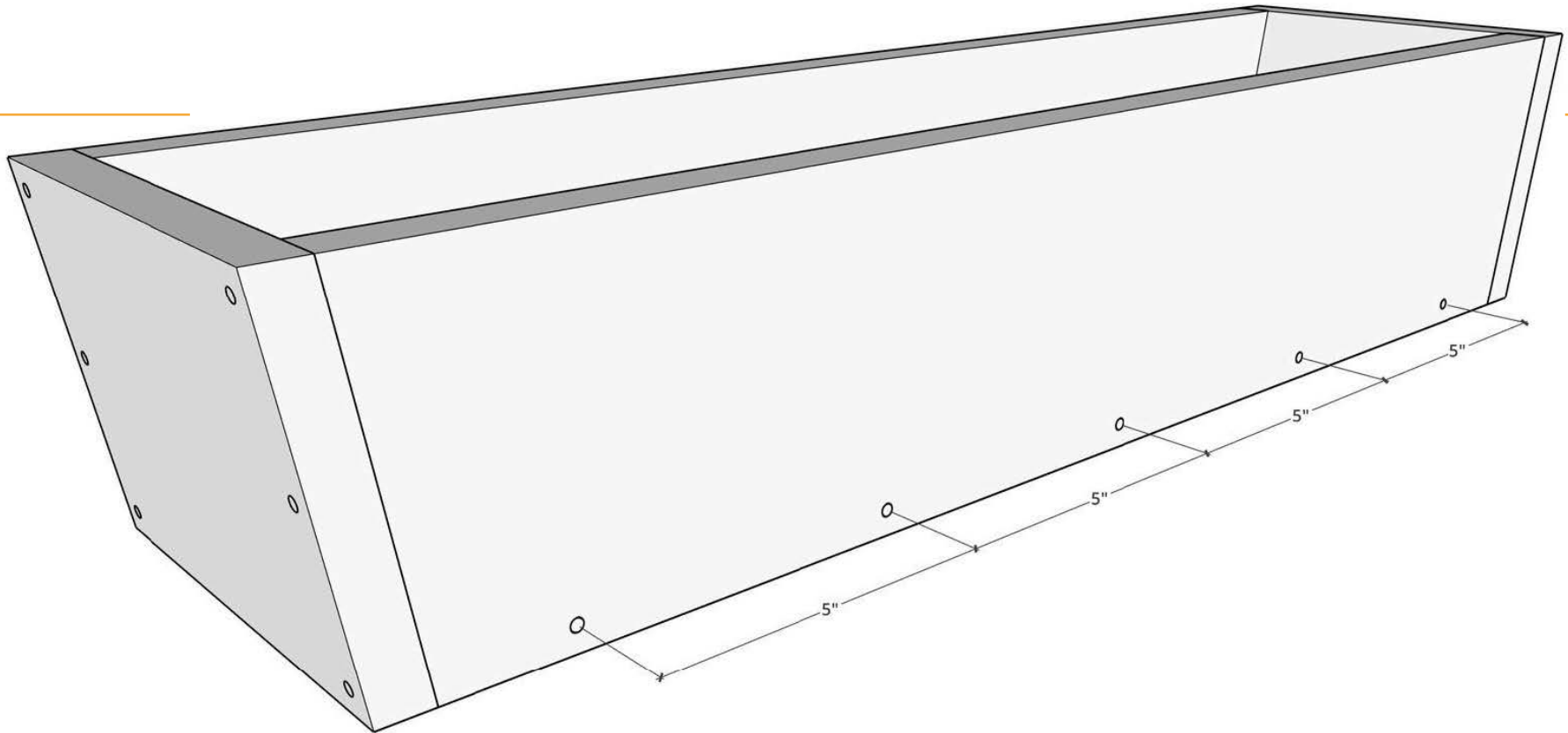
Step 5: You should now have a bottom board that measures 24" in length with an 80° mitered edge on both short ends, two long boards for the front and back of the planter box that measures 25-5/8" in length with an 80° angle on both short ends, and two short boards for the ends of the planter box that each measures 7" in length with an 80° mitered edge on the top and bottom of both pieces.



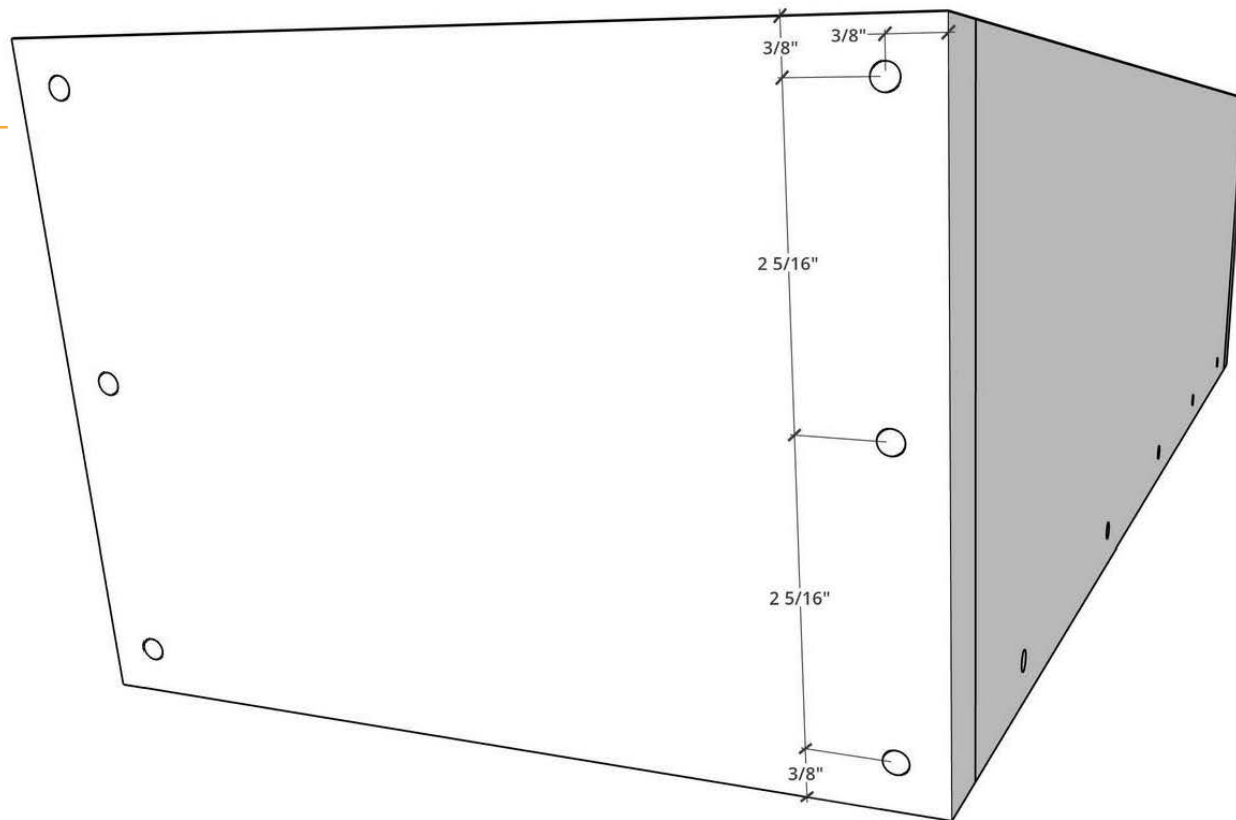
Step 6: Before you begin assembling your planter box, dry fit all of your cut pieces together to see if any cuts need to be adjusted. Once you are satisfied with the fit of all you pieces, collect 22 or more screws and a Power Drill with a drill bit and driver bit. If available, run a small bead of wood glue along the joining edges of your boards as you begin fastening the pieces together.



Step 7: Start with the front and rear boards, measure and mark five screw locations equally spaced along the bottom edge of the board. Because 3" screws are being used, be sure to keep the screws on the far end of the long boards at least 2" away from the short sides to keep the screws from hitting each other. The screws need to be around 3/8" from the bottom of the front and rear boards to ensure that they hit in the center of the edge of the bottom board. To keep your boards from cracking or splintering, use a drill bit in a Power Drill to create the screw holes. Then use a driver bit in a Power Drill to drive your screws and fasten the front and rear boards to the bottom board.

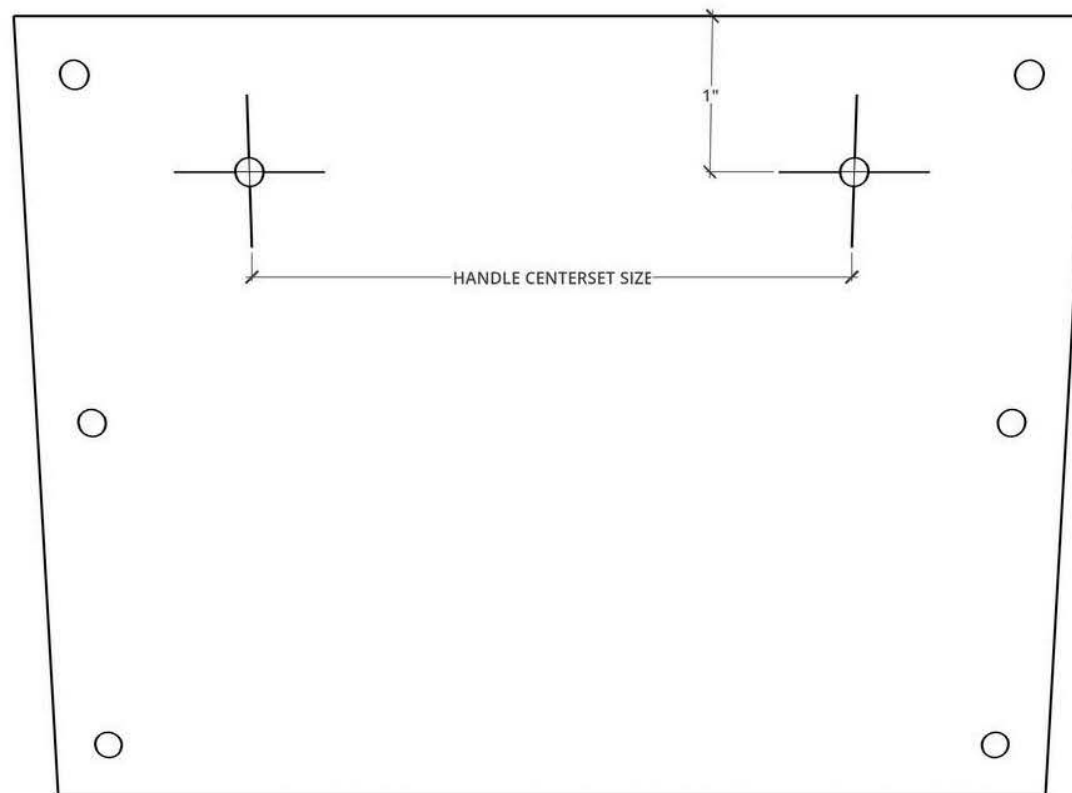


Step 8: On the two 7" boards, measure and mark three screw locations equally spaced along both edges of the board. The screws need to be around $\frac{3}{8}$ " from the edges of the boards to ensure they hit in the center of the edge of the front and rear boards. To keep your boards from cracking or splintering, use a drill bit in a Power Drill to create the screw holes. Then use a driver bit in the Power Drill to drive your screws and fasten the front and rear boards to the bottom boards. For added stability, a screw can be added in the bottom middle of the two short side boards to create another connection point with the bottom board.



Step 9: On the short sides of the planter, you can add a decorative handle - this step is optional. Measure and mark about 1" from the top of the planter box. Measure the distance between the screw holes (handle centerset size) on your desired handle. Mark the handle centerset size on the sides of your planter box and use a drill bit in a Power Drill to create the screw holes. Mount your handles using a driver bit in a power drill.

TIP: To easily center your handle, mark a line 1" from the top across the sides of the planter box, then measure and mark the center of that line. Divide the handle centerset size in half and use that measurement to mark an 'X' on either side of the centerline on the line you drew.



Step 10: YOU DID IT! You have successfully crafted your own planter box. Now comes the extra fun part - decoration! Use any paint or stain colors available to customize your wonderful creation.

TIP: If available, use sandpaper to buff any rough cut edges for a smoother paint job. You can also use wood filler or caulk to hide any imperfections, gaps, or screw holes.

