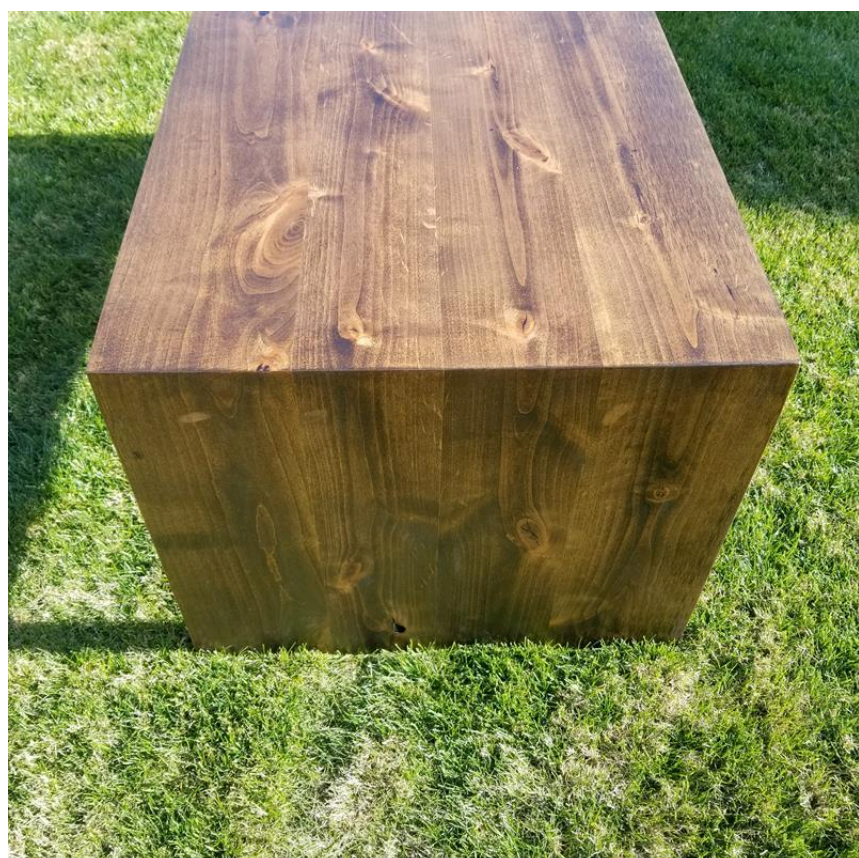


Waterfall Coffee Table

Difficulty

Moderate

Your very own DIY waterfall coffee table that will add a modern feel to any home. You can build this using boards from our local big box hardware store, or you can use a hardwood of your choice to add even more character.



Tools

Kreg Tools



[Adaptive Cutting System Master Kit](#)



[Kreg® Pocket-Hole Jig 720](#)



[Mobile Project Center](#)

Other Tools

Square

Clamps

Drill (cordless)

Sander

Materials

Wood Products

4 Board , 1x6 , 72"

1 Board , 2x3 , 72"

Hardware & Supplies

8 Kreg SML-C150-500 Pocket Hole Screws 2-1/2-Inch

1 Wood Glue

2 2" Long Wood Screws

Cut List & Parts

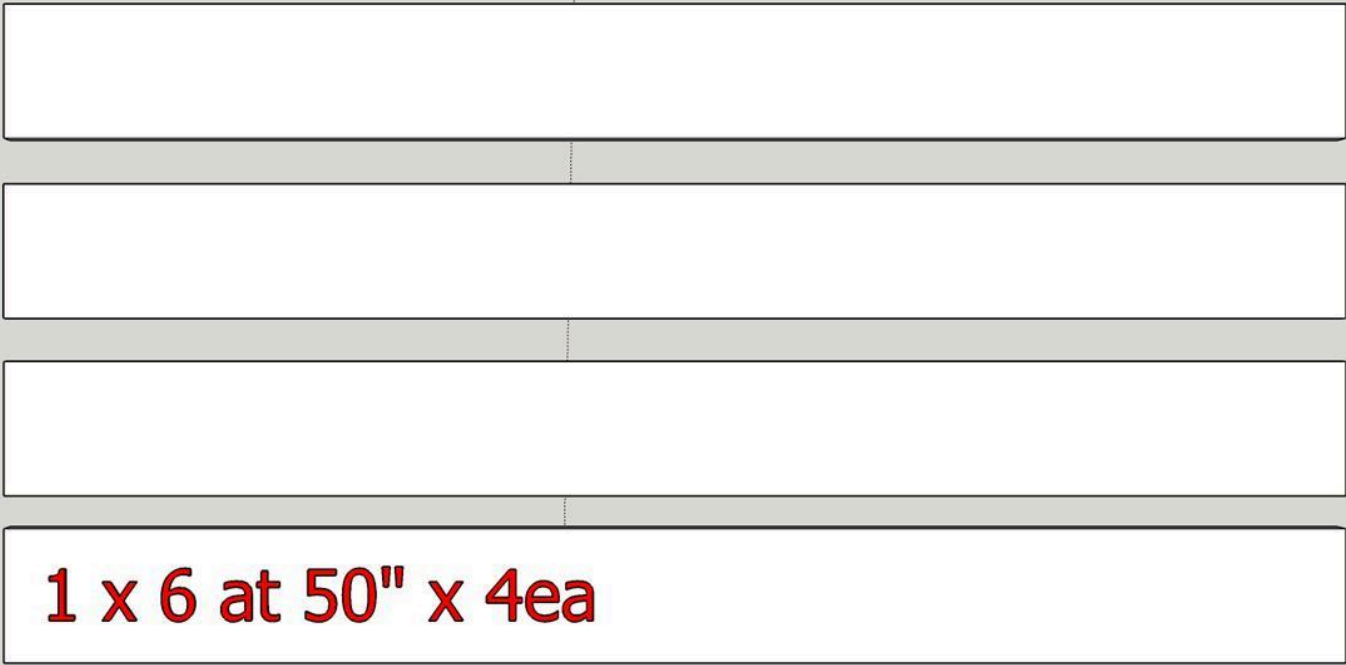
- 4 Table Top/Waterfall Leg , 3/4" X 5-1/2" X 50"
- 2 Part A , 1-1/2" X 2-1/2" X 16-1/2 W/ 10.5 Degree Tapered Cuts On Both Ends (Parrellel)
- 1 Part B , 1-1/2" X 2-1/2" X 13" Long Point To Long Point - 10.5 Degree Miters Tapered In On The Bottom
- 1 Part C , 1-1/2" X 2-1/2" X 7-9/16" Long Point To Long Point - 10.5 Degree Miters Tapered In On The Bottom

Directions

1

Cut Parts

Cut (04ea) 1" x 6" boards to 50" each.



2**Straight Line Rip boards (optional)**

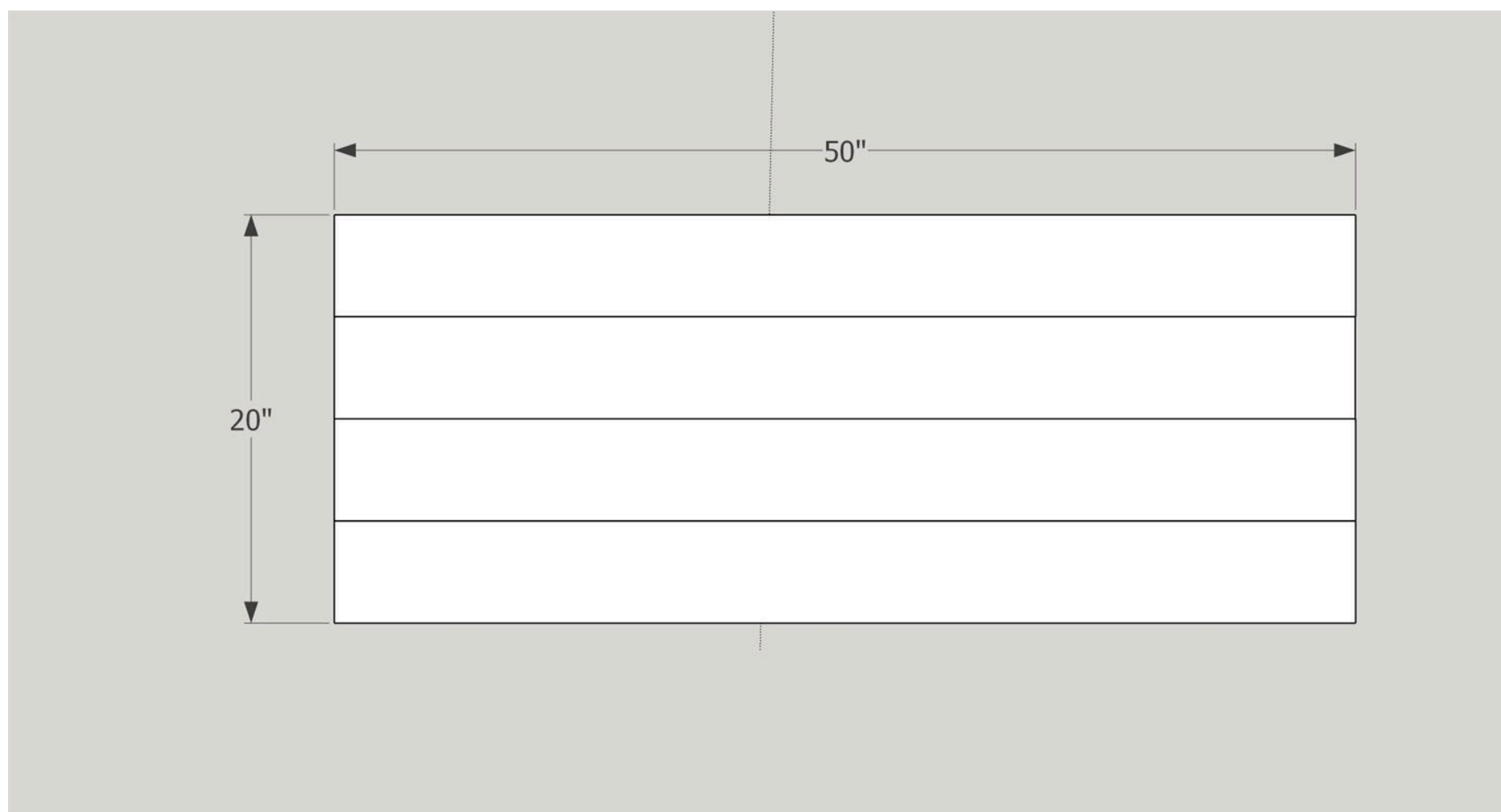
This step is optional - it will give you tighter, cleaner seams during the final glue up. I used my Kreg Adaptive Cutting System for this step. Using it made it quick and easy. If you don't have this system there are a number of other ways to do this - with a table saw or a jointer. If you complete this step, you are looking for a final width of 5" on your boards.



3**Glue Up Boards**

Glue up the (4) 1" x 6" x 50" boards to create a panel that is 22" x 50" (if you chose to do step 2, your dimension will be 20" x 50")

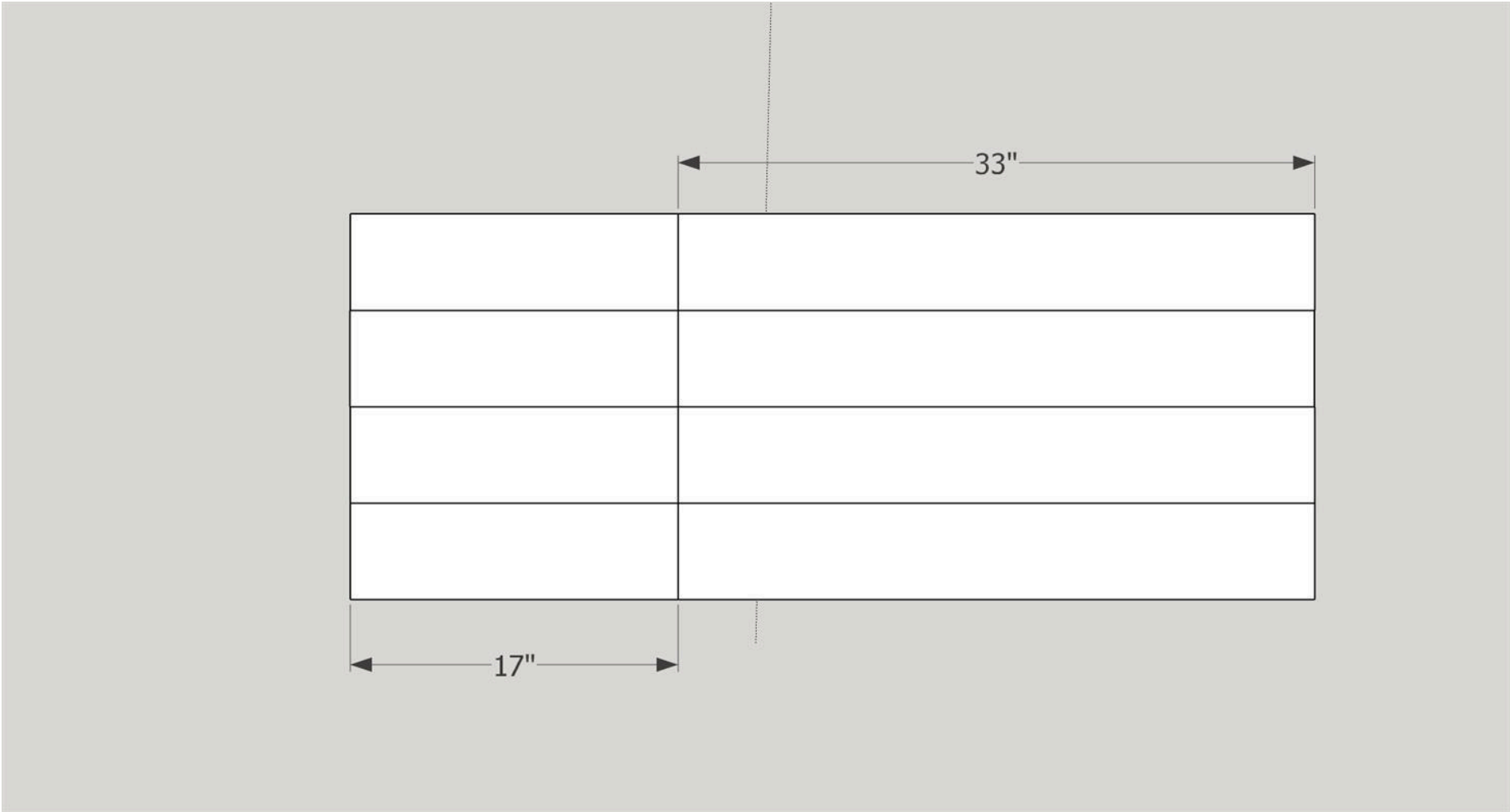
Wipe excess glue off from glue joints to save you time once it dries. *** Finishing tip - Stain will not take to the dried glue - you'll need to sand the glue completely off before applying a stain.



4

Make The Cut For The Top

Now that you have a panel glued up - you need to measure 33" off one end and make a mark. With a square, make a line across the width of the panel. With your finish side up (determine what side will be your top, that is now your finish side), you want to make a beveled cut (45 degree) with the bevel leaning into the top - not away. I did this on the ACS - using the stops that came with the system, I set them at 33", adjusted the saw to 45 degrees and made the cut. You can also use a circular saw with a straight edge.



5**Make The Cut For The Waterfall Leg**

With the remaining 17" of the panel, you are now going to make your waterfall leg. With the panel laying in front of you - the mitered cut will be going the wrong direction to mate up with your top - we are going to cut that mitered edge again, but this time with the miter going away from the cut side. When complete, the mitered top and leg will make a 90 degree joint.

***See attached image for illustration - you'll want to remove the RED area with your bevel cut.

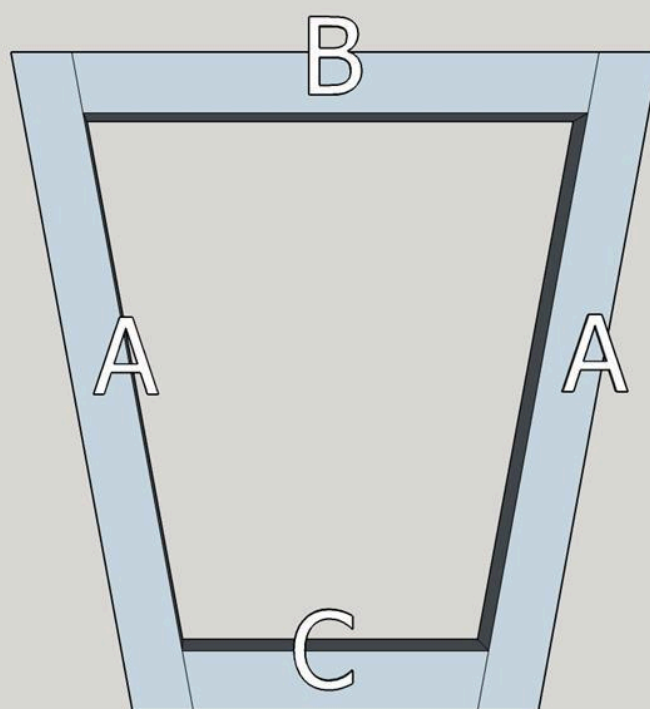
**6****Glue Up The Mitered Joint**

For this step I recommend biscuits (#0). This will help with alignment and strength. Short dowels will work as well. *Caution - With a mitered edge you'll be drilling on an angle and you don't want to drill too deep* Once you've figured out your alignment method you'll need to cut 2ea pieces of 2x4 at 8" long - Then cut them in half with your miter saw at 45°. Now you'll have 4ea beveled blocks at approximately 4" (long point). You will need these for clamping up the mitered edge. To hold these in place use a 18ga pin nailer (you'll use filler to fill the holes later). Mock up this step prior to gluing - make sure you have your clamps ready - then glue.

7**Build The Tapered Leg**

Take parts A, B & C (see parts list) and assemble the coffee table leg, per the attached drawing.

For this step you will use 2-1/2" Kreg pocket hole screws. Place pocket holes facing up, and facing down on parts B & C - so that when fully assembled and installed they will not be seen. You can plug the pocket holes once assembled and then sand flush.

**8****Prep For Finish**

Now that the waterfall coffee table and tapered leg are built, you can sand and prep your parts for the finish of your choice.

*You will attach these 2 pieces together after the finish is applied, but it is much easier to prep/finish the individual parts this way.

9**Apply Finish**

I chose to stain my coffee table with espresso stain and applied a satin poly on top of it. You can choose what suits your needs best.

10**Attach The Tapered Leg**

To attach the tapered leg to the coffee table you will need 2ea 2" wood screws - Prep the leg for attachment, by drilling 2ea pilot holes thru part B on the leg - countersink them for wood screws. Layout and attach the leg to the underside of the coffee table - I used a 3" offset from the edge of the table and centered it on the width.