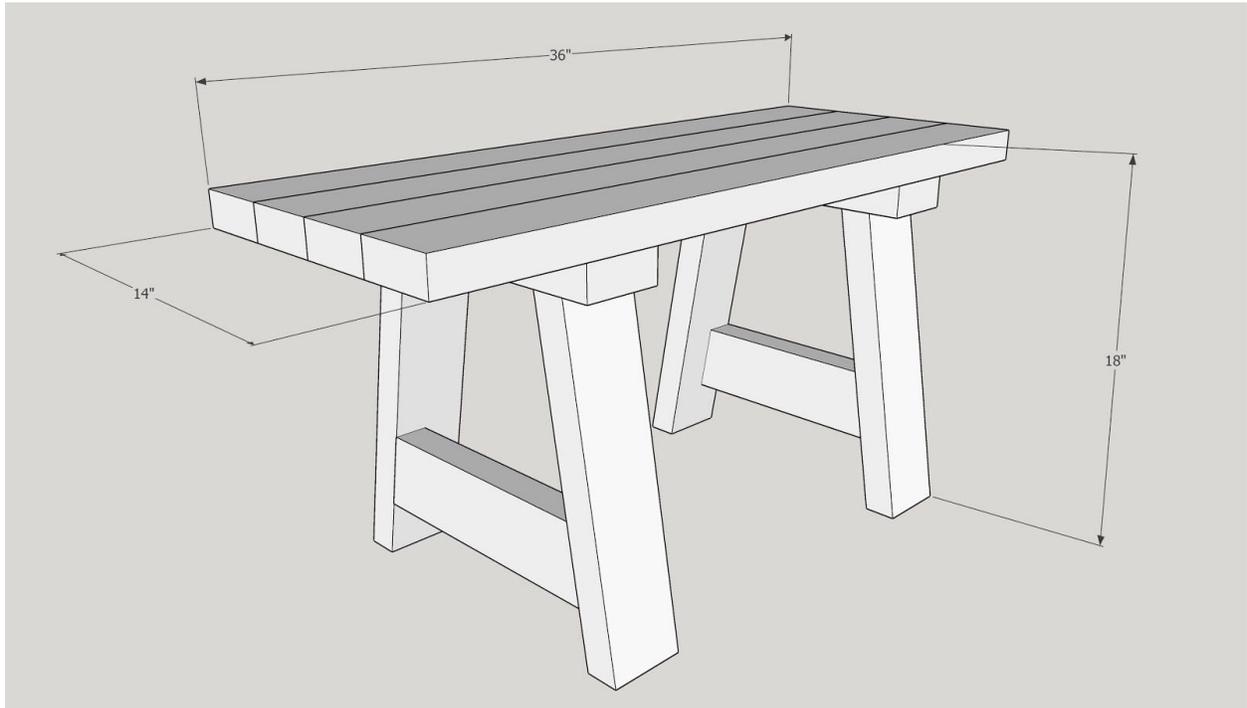


2x4 Bench
Plans by The Handyman's Daughter™
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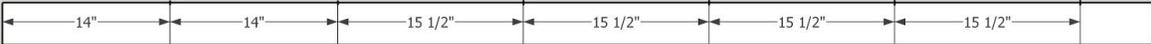
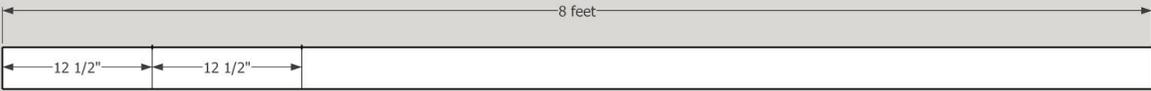
Materials Needed

- 4 - 2x4 boards (8 feet long)
- 2 1/2" pocket hole screws
 - If you're planning to use this bench outside, I recommend using exterior screws.
- Pocket hole jig
 - Check out my tutorials on [how to use a Kreg Jig](#) and how to build with [pocket holes](#) if you're not familiar with this tool.
- Pocket hole plugs or wood filler (optional)
- Miter saw
- Wood glue
- Clamps
- Sandpaper
- Random orbital sander
- Caulk

Cut List

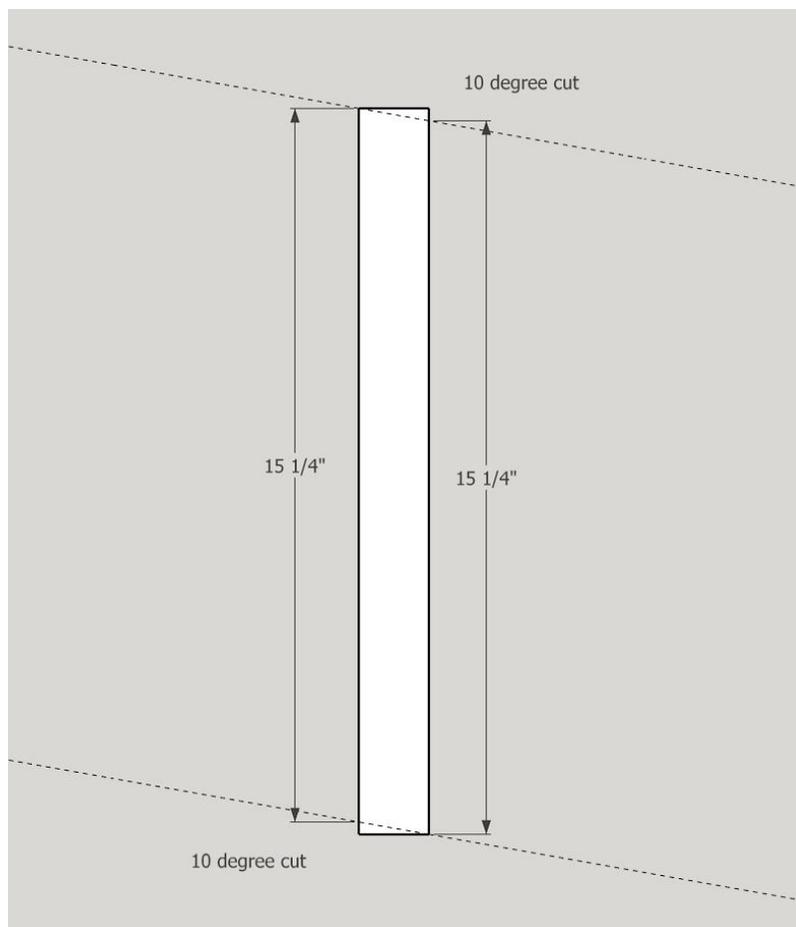
- 4 @ 36"
- 2 @ 14"
- 4 @ 15 1/2" miter cut 10 degrees on each end (ends should be parallel)
- 2 @ 12 1/2" miter cut 10 degrees on each end (ends should face in opposite directions)
- 1 @ 16"
- 1 @ 20"

Cut Diagram

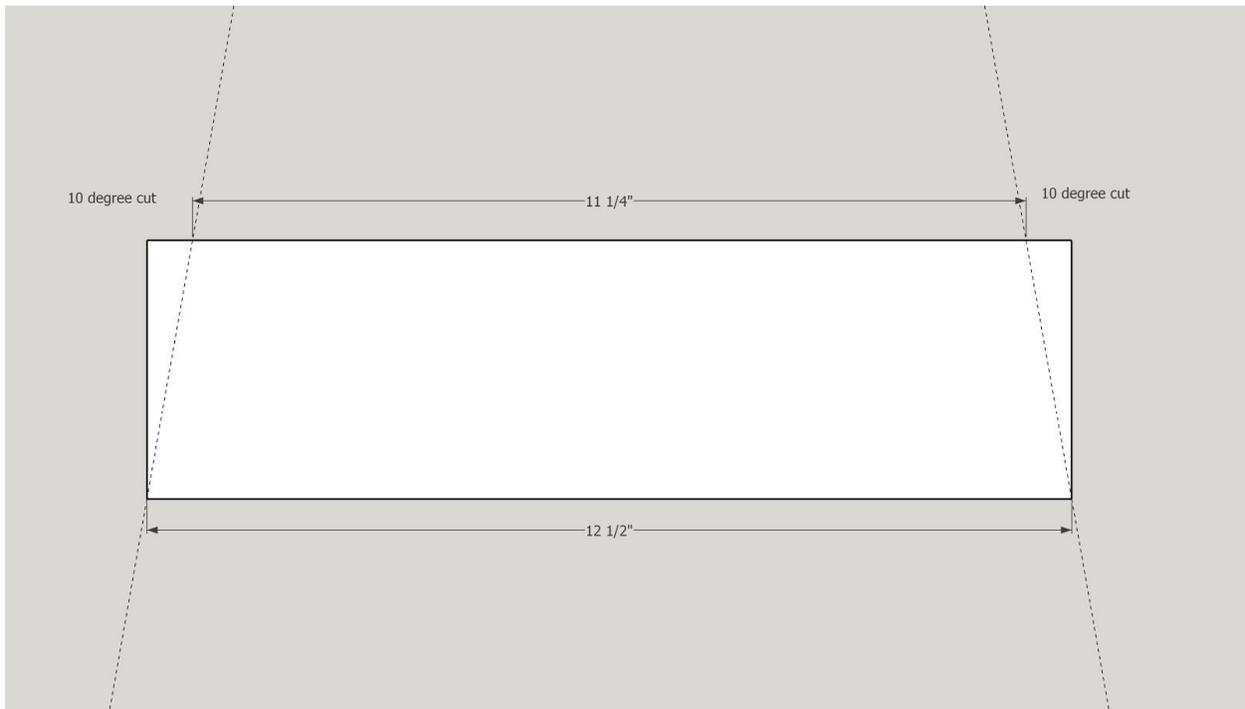


Instructions

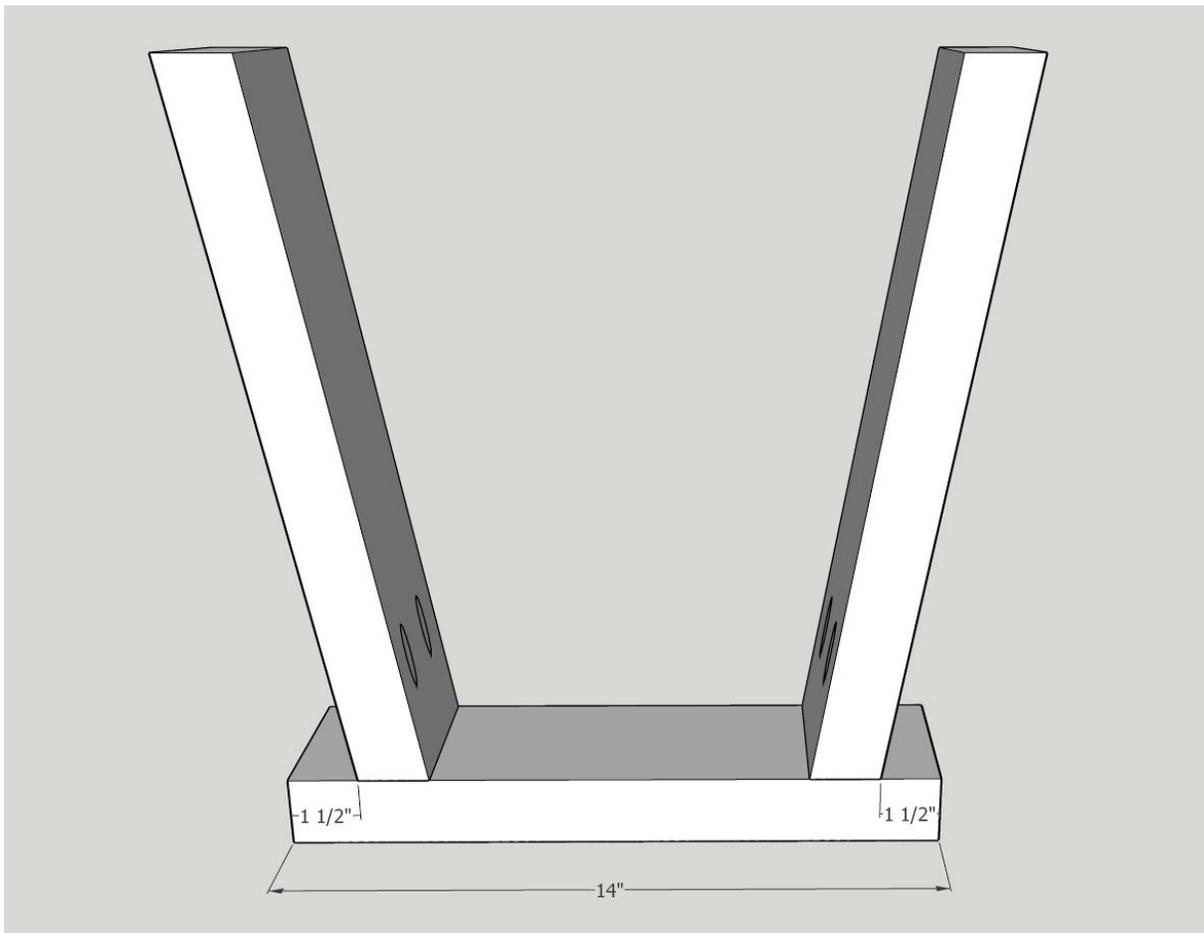
- ❑ Cut all four legs to $15 \frac{1}{2}$ " long.
- ❑ Set the miter angle on the miter saw to 10 degrees.
- ❑ Lay the $15 \frac{1}{2}$ " piece on the miter saw on the shorter side with the wider side facing towards you.
- ❑ Cut a 10 degree angle across one corner of the board, then slide the board over (don't flip it!) and cut the other corner. The angles should be parallel, and each side should measure $15 \frac{1}{4}$ " once cut.
- ❑ Drill pocket holes in one end of each of the legs.



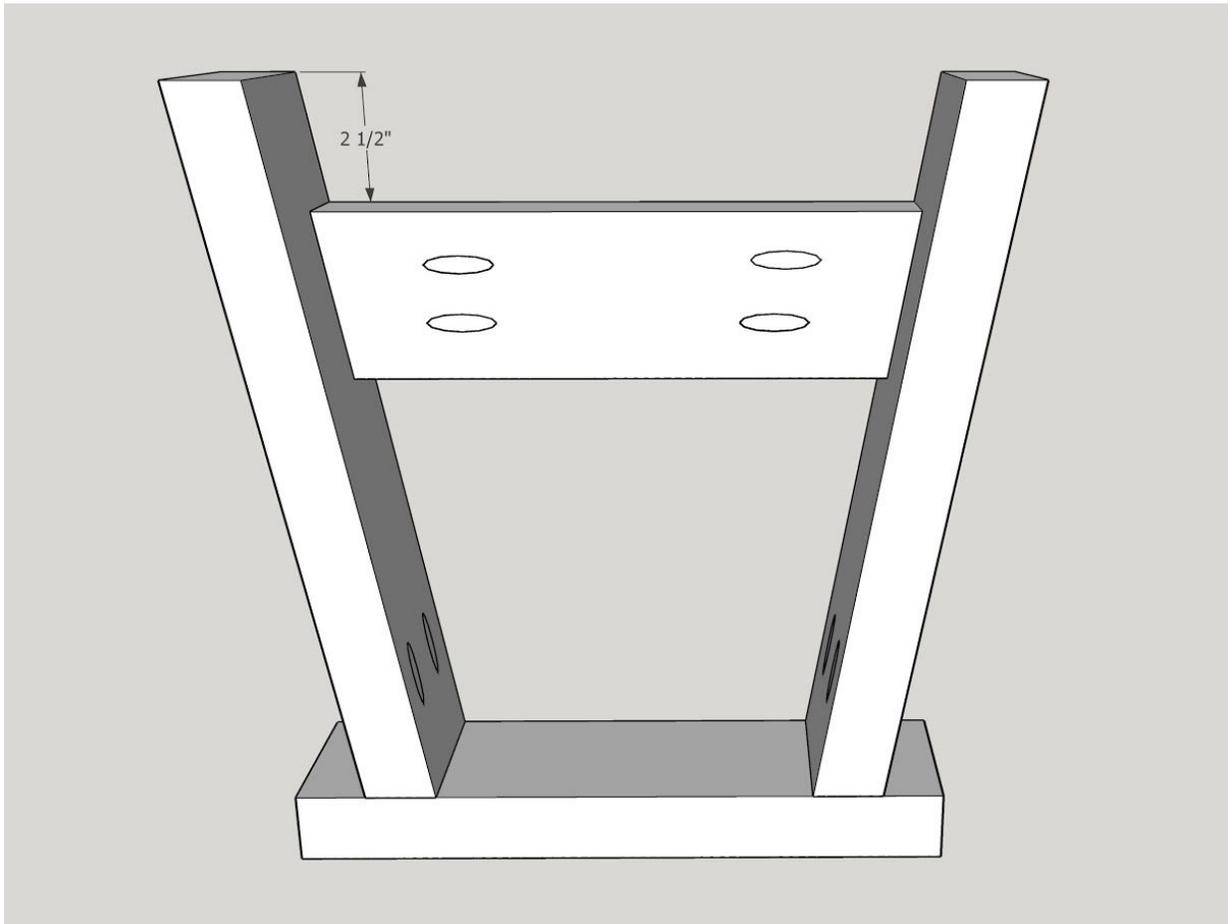
- ❑ Keep the miter saw set at a 10 degree angle.
- ❑ Place the 12 ½" piece on the miter saw table with the wide side facing up.
- ❑ Cut off one end at a 10 degree angle, then flip the piece over (end over end) to cut the other end.
- ❑ The shorter side should measure 11 ¼", and the longer side should still be 12 ½". The ends should NOT be parallel.
- ❑ Drill pocket holes in both ends of these pieces.



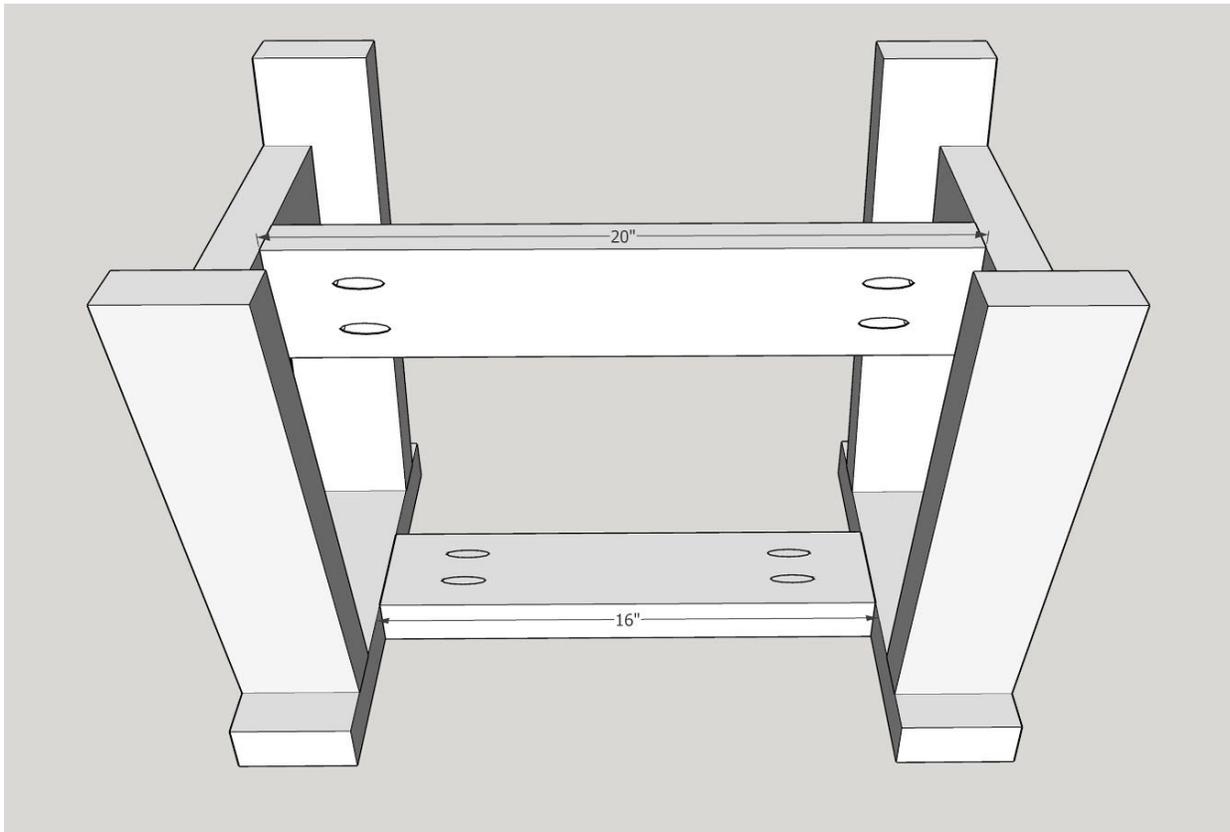
- ❑ Place the legs, pocket hole end down, on top of the 14" board.
- ❑ Position each leg 1 ½" from the end and mark the placement.
- ❑ Apply wood glue to the end of the leg.
- ❑ Screw in place with 2 ½" pocket hole screws.



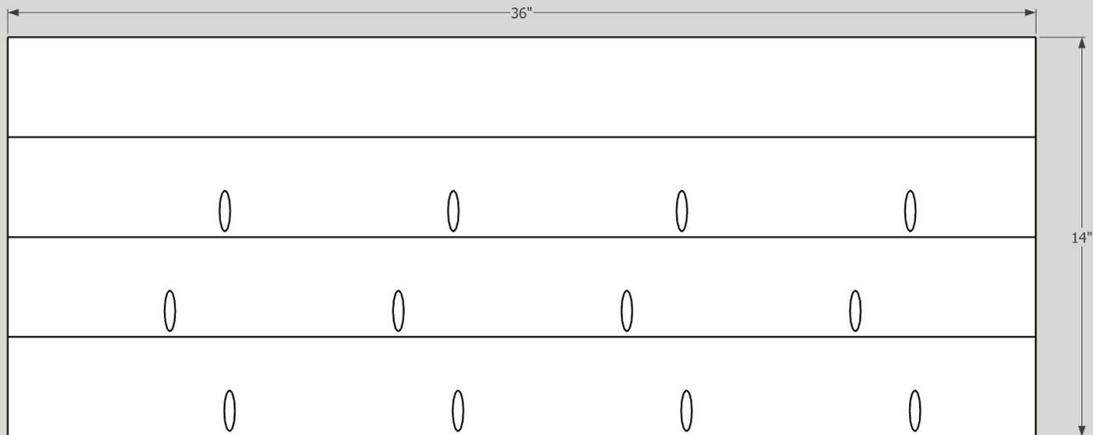
- ❑ Apply wood glue to both ends of the stretcher.
- ❑ Position the stretcher about 2 1/2" from the bottom of the legs, flush with one edge. This can vary depending on the exact dimensions of your 2x4s, so just slide it down until it fits snugly without pushing the legs out.
- ❑ Attach the stretcher to the legs with 2 1/2" pocket hole screws.
- ❑ Repeat for the other set of legs, making sure the height of the stretcher is the same for both.



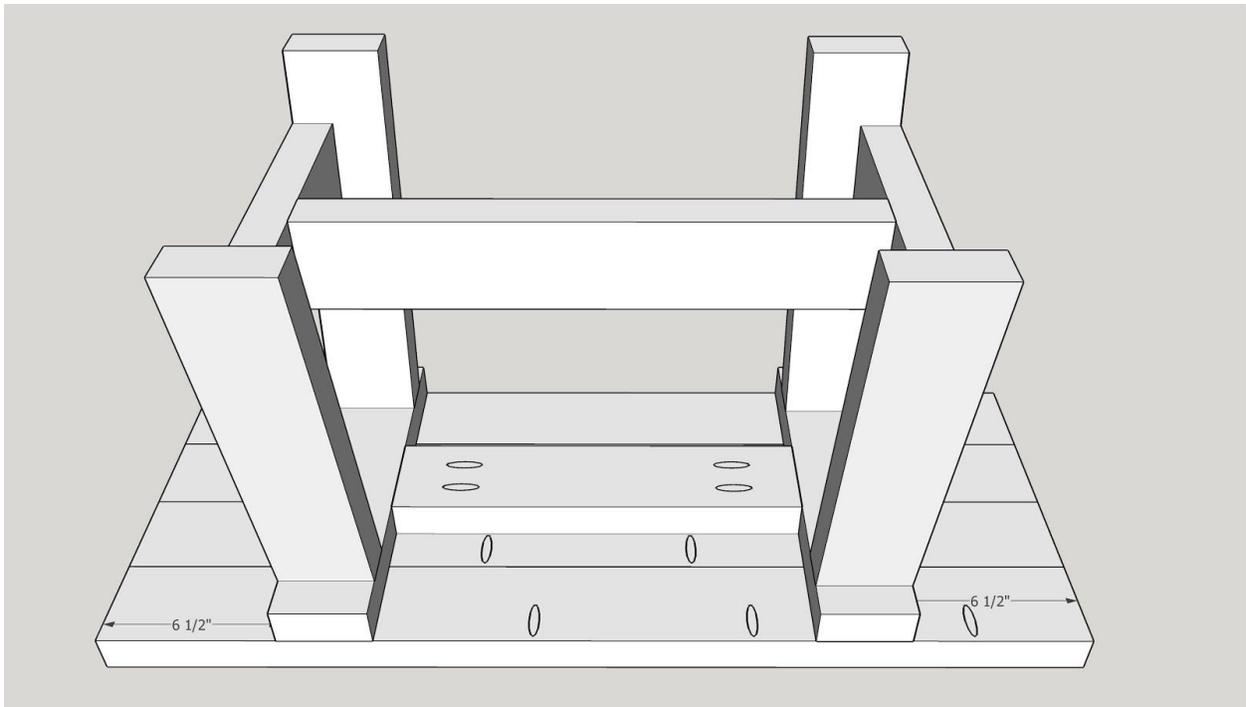
- ❑ Drill pocket holes in both ends of the 16" and 20" pieces.
- ❑ Join the two leg sections together with wood glue and 2 ½" pocket hole screws as shown below. You can make your bench longer by changing the length of these pieces and the top.



- ❑ Drill pocket holes down the length of three of the 36" long pieces.
- ❑ Apply wood glue along the edges to be joined, then clamp them together.
- ❑ Screw the boards together with 2 ½" pocket hole screws.
- ❑ (Optional) Caulk the gaps in the top to prevent crumbs from getting trapped between the boards.



- ❑ Attach the legs to the underside of the bench seat with 2 ½" screws, 6 ½" from each end.
- ❑ (Optional) Fill exposed pocket holes.
- ❑ Paint or stain
- ❑ Done!





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