

Rolling Benchtop Tool Stand

Difficulty

Moderate

Benchtop tool stands can be expensive, and using your benchtop tools on traditional stands is awkward. This stand is made from 2×4's and costs under \$30 in lumber! Best part about this project? It's mobile. Now your benchtop tools can travel with you, or be tucked out of the way when not in use!



Tools

Kreg Tools

 [Wood Project Clamp - 6"](#)

 [Kreg® Pocket-Hole Jig 720](#)

Other Tools

Miter Saw

Drill (cordless)

Sander

Materials

Wood Products

7 Board , 2x4 , 96"

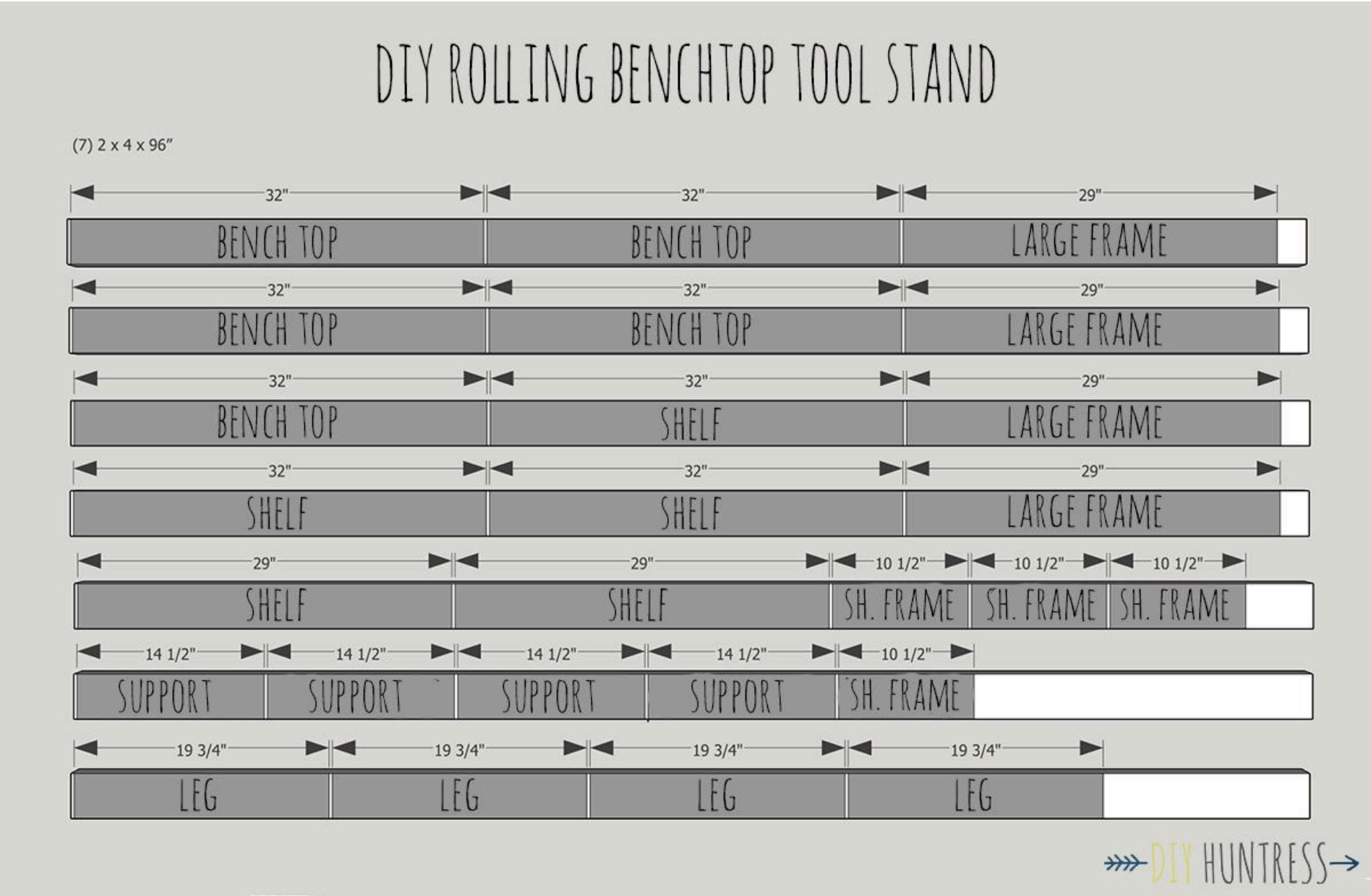
Hardware & Supplies

100 2 1/2" Kreg Pocket Hole Screws

4 Rolling Casters

Cut List & Parts

- 5 Bench Top , 2 X 4 X 32"
- 3 Shelves , 2 X 4 X 32"
- 2 Shelves , 2 X 4 X 29"
- 4 Large Frame Pieces , 2 X 4 X 29"
- 4 Short Frame Pieces , 2 X 4 X 10 1/2"
- 4 Legs , 2 X 4 X 19 3/4"
- 4 Supports , 2 X 4 X 14 1/2"

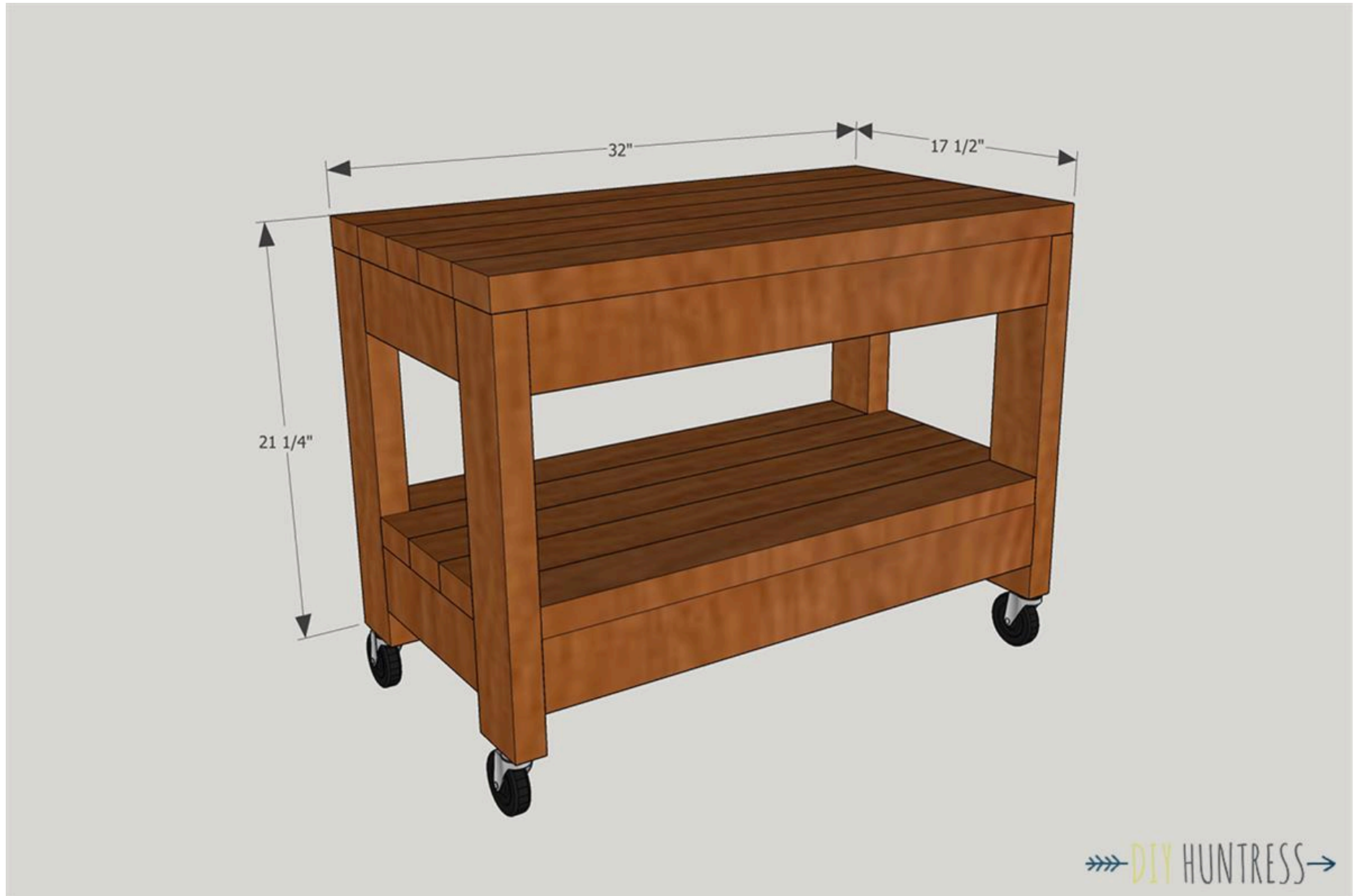


Directions

1

Check Dimensions & Make Any Changes

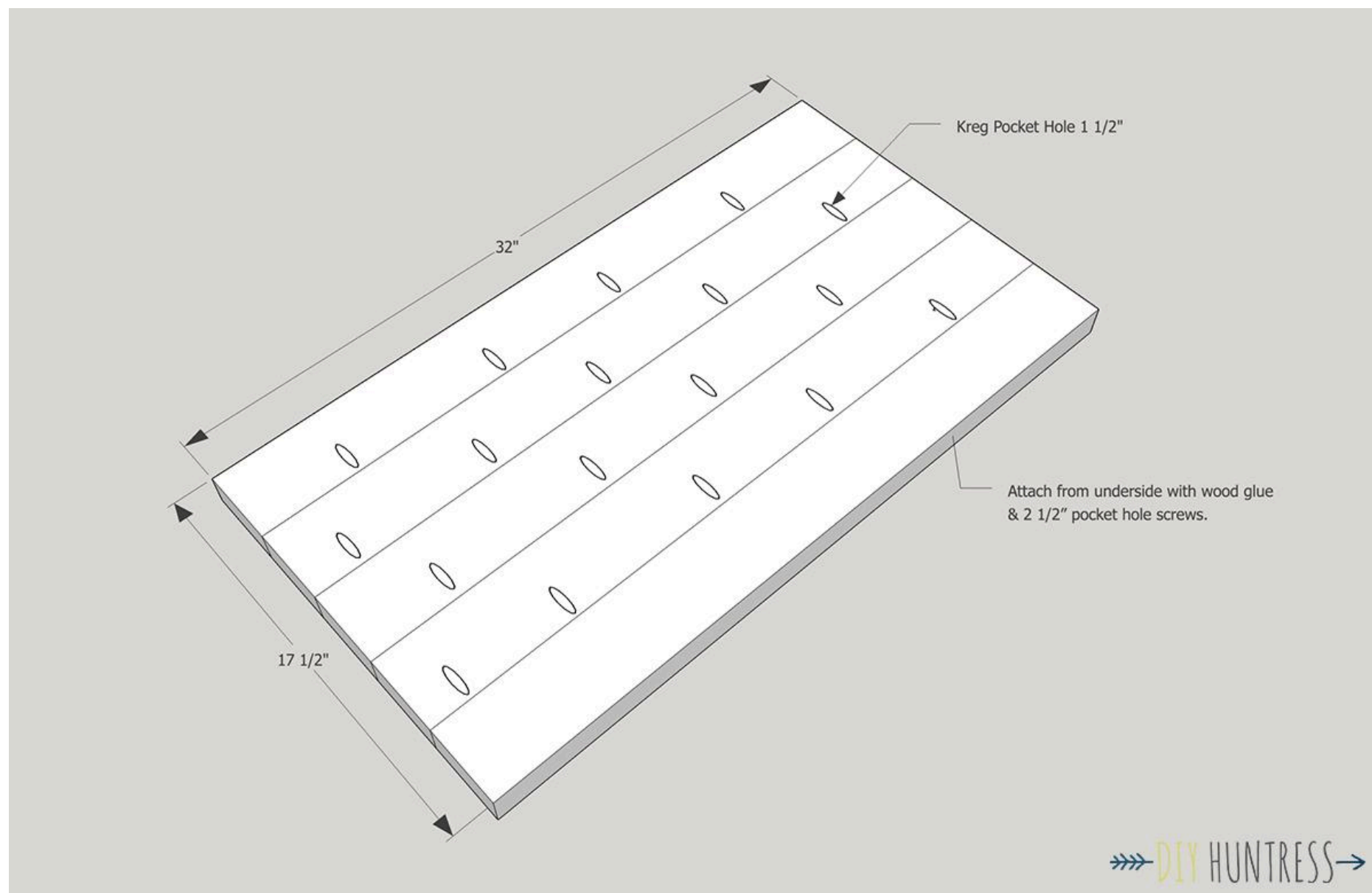
The dimensions listed for this project are for a benchtop tool stand, so the bench itself is short. For a taller bench, cut the legs to a longer length.



2

Create The Top Shelf

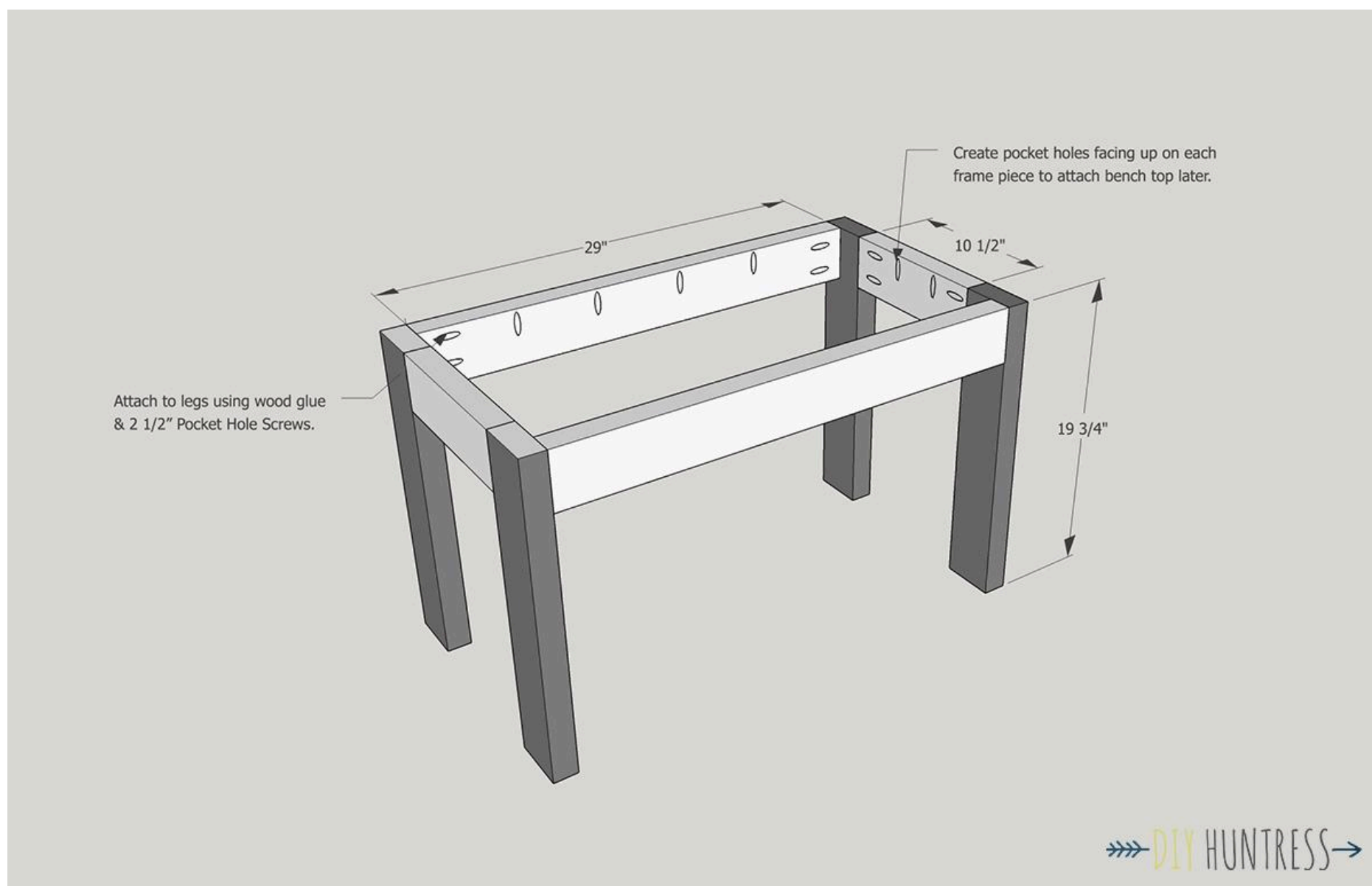
Drill pocket holes and attach the five 32" top shelf pieces using 2 1/2" pocket hole screws and wood glue from the bottom. The pocket holes will be hidden once the bench top is flipped over and attached to the frame.



3

Create The Frame

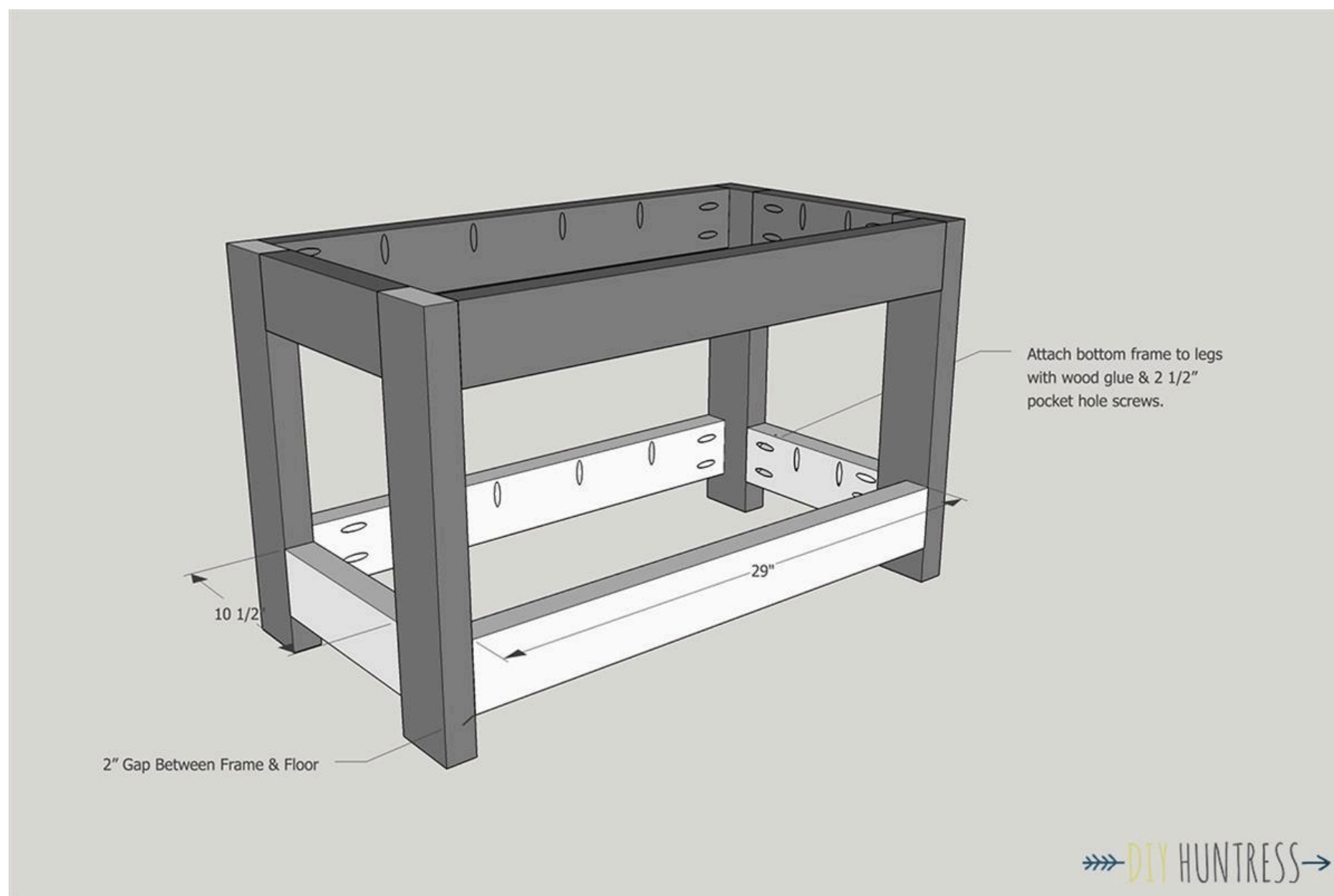
Drill pocket holes in the frame pieces and attach them to the legs using 2 1/2" pocket hole screws and glue. The frames should be flush with the top of the legs. Make sure to also drill pocket holes facing upward on the inside of the frames for attaching the top later.



4

Add The Bottom Frame

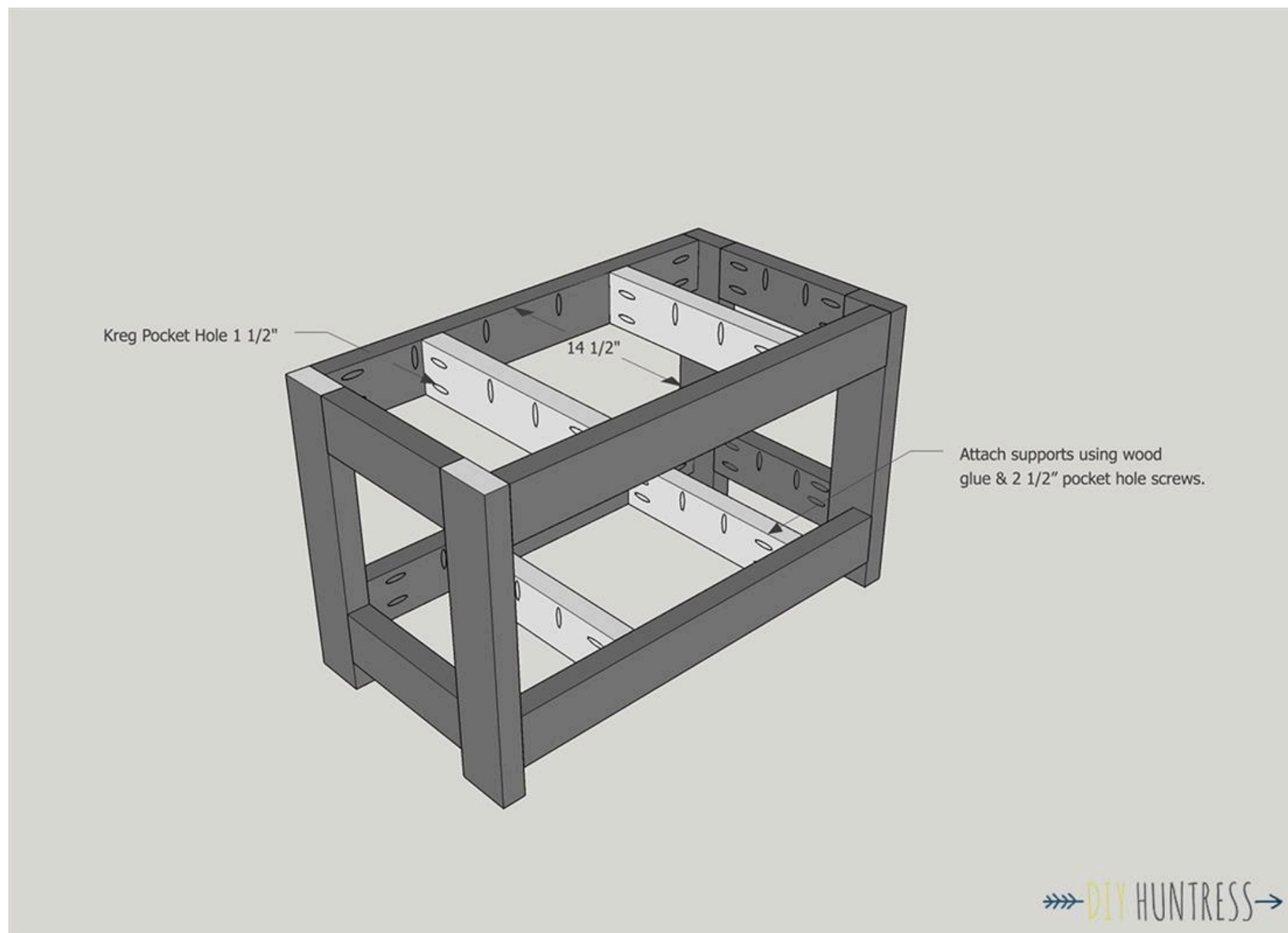
Repeat the same steps as before with the bottom frame. This time, attach the frame pieces to the legs 2" from the floor.



5

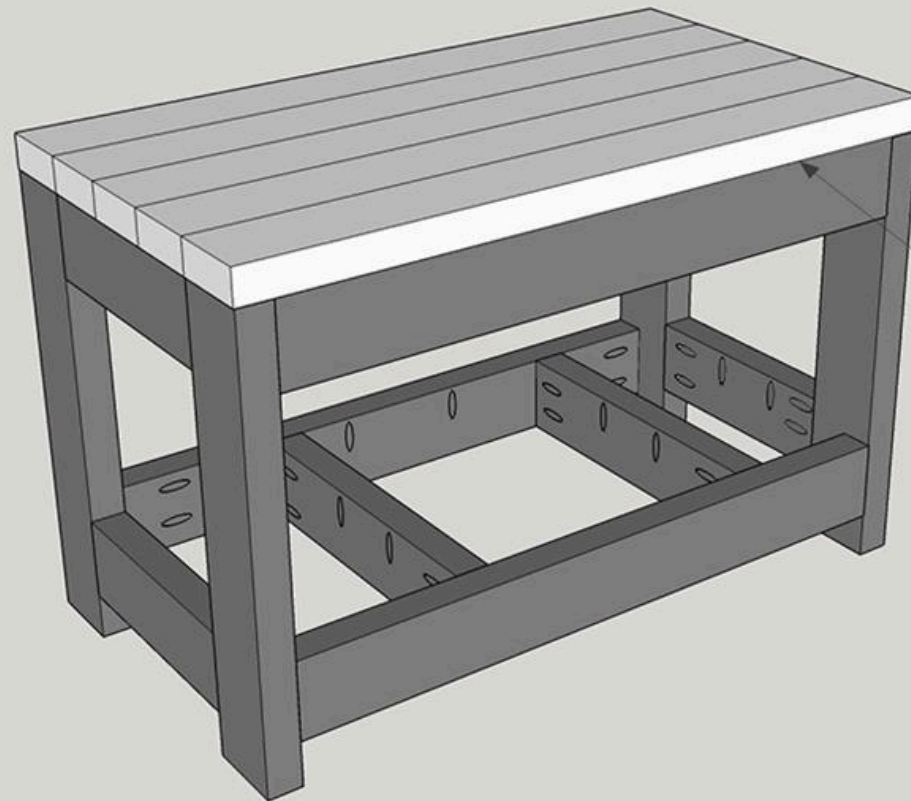
Attach Supports

Attach the supports to the frames with 2 1/2" pocket hole screws and glue. Make sure to create pocket holes facing up for attaching the top shelf from the underneath in the next step.



6**Attach The Top Shelf**

Attach the top shelf by screwing 2 1/2" pocket hole screws upward from the frames and support beams.



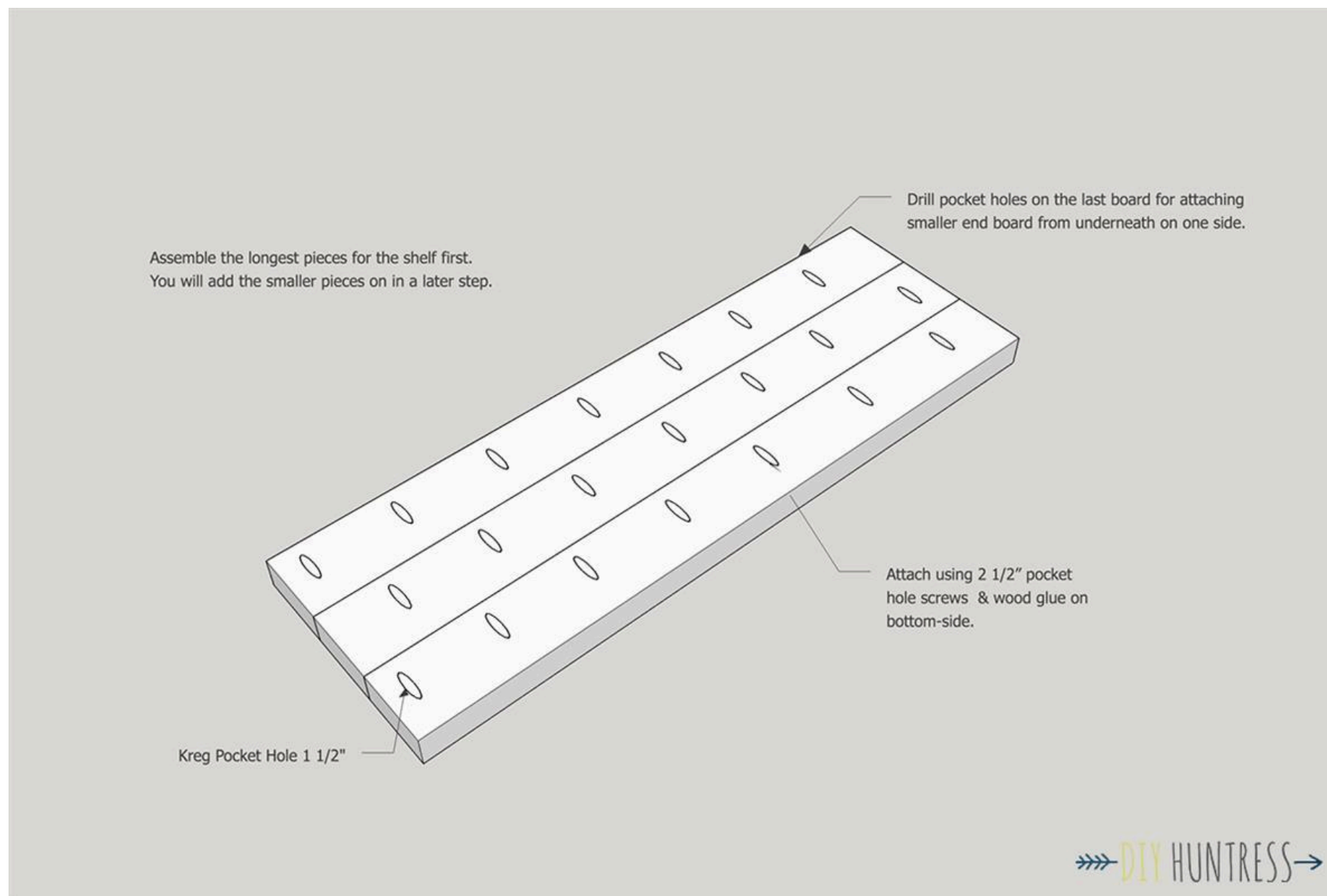
Attach top to frame & supports
with wood glue & 2 1/2" pocket hole
screws from underneath.

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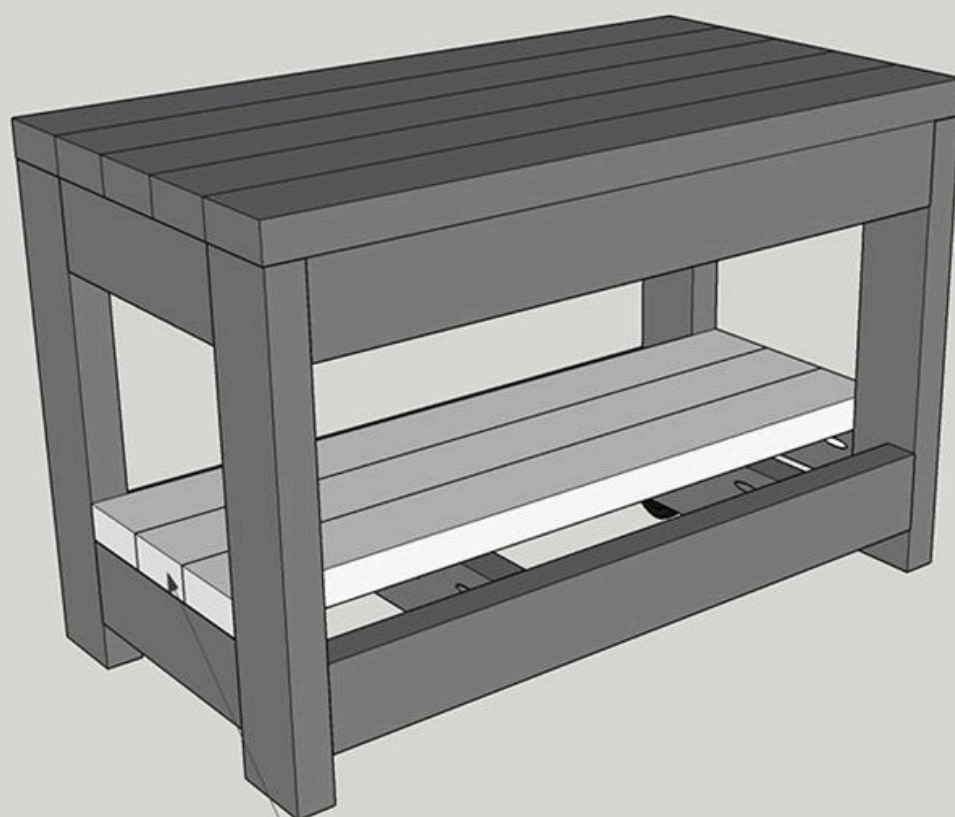
Begin Bottom Shelf Build

Begin building the bottom shelf by using the last three long shelf pieces. Don't add the short pieces yet, otherwise your shelf won't fit. Make sure to drill pocket holes in one of the last boards to attach a small shelf piece later.



8**Attach Longer Shelf Pieces**

Attach the longer shelf pieces in between the two legs by screwing them in from the pocket holes in the support beams and frames below. Make sure the pocket holes you used to attach the shelf are on the underside of the shelf.



Flip shelf (so pocket holes are underneath) and attach to bench from underneath with 2 1/2" pocket holes & wood glue.

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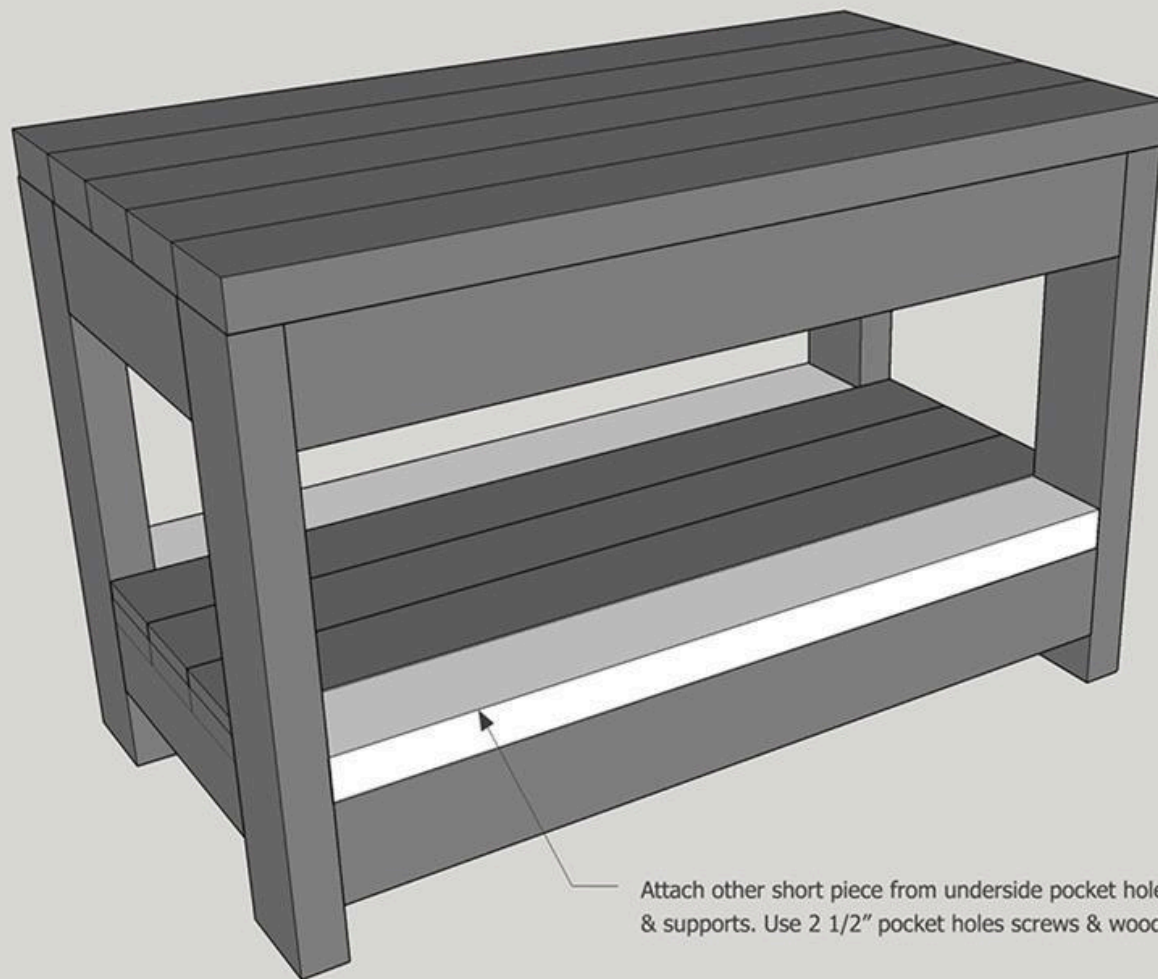
9**Attach First Small Shelf Piece**

Attach the first small shelf piece by screwing it into the long board with the pocket holes. Make sure to also attach it to the bench by screwing it in using the pocket holes created in the support beams and frame.



10**Attach Second Small Shelf Piece**

The shelf is a little too tight for you to be able to use pocket hole joinery to attach the final piece to its longer neighbor. So, instead, attach the second small shelf piece by using the pocket hole joinery in your support and frame pieces that are underneath.



Attach other short piece from underside pocket holes in frames & supports. Use 2 1/2" pocket holes screws & wood glue.

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11**Attach Wheels & Finish**

Finish off your bench by attaching the casters and sanding away any imperfections. You can also add hooks for neatly organizing wires as well.

The logo for "DIY HUNTRESS" features a stylized arrow pointing to the right, followed by the text "DIY HUNTRESS" in a sans-serif font, and another stylized arrow pointing to the right.