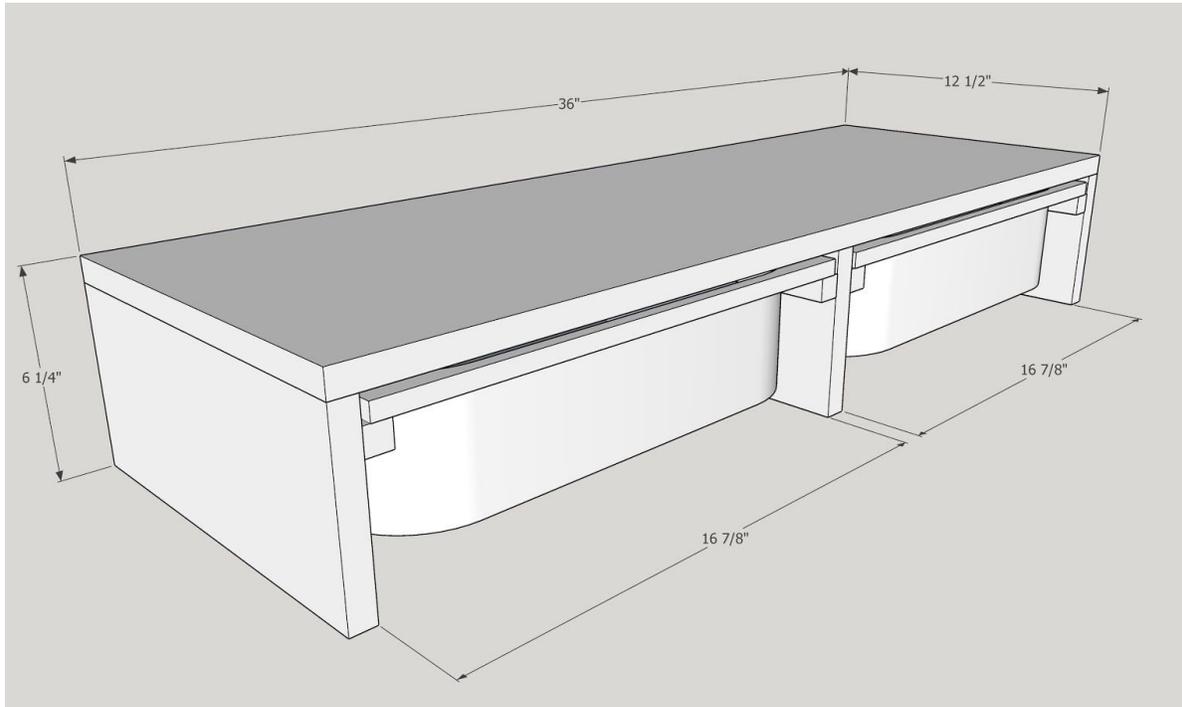


IKEA Trofast Shelf
Plans by The Handyman's Daughter™
Copyright 2020



Materials Needed - [See tutorial for links to sources](#)

- One 1x6 board
- 3/4" plywood
- 1/2" square wooden dowels
- Pocket hole jig
 - Read my [guide to the Kreg Jig](#) to find out which model is right for you!
- 1 1/4" pocket hole screws
- 3" screws for securing the shelf to the studs in the wall
- Wood glue
- Square
- Drill
- Miter saw or circular saw
- Brad nailer and 1 1/4" brad nails
 - You could [countersink screws](#) instead. Use 1 1/4" flat head wood screws if you go this route.
- Sander and sandpaper
- Paint or wood stain
- Stud finder

Cut List

1x6 board

Back - 1 @ 34 1/2"

Ends - 2 @ 12 1/2"

Center Divider - 1 @ 11 3/4"

Plywood

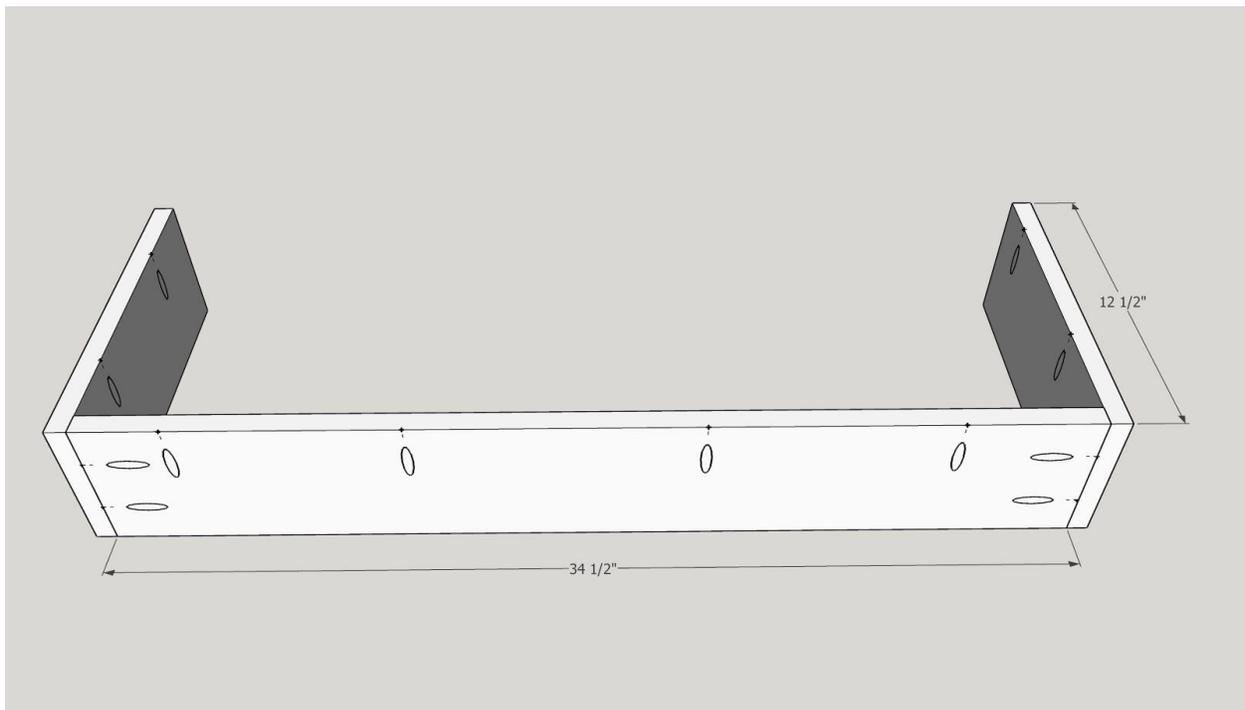
12 1/2" x 36"

Instructions

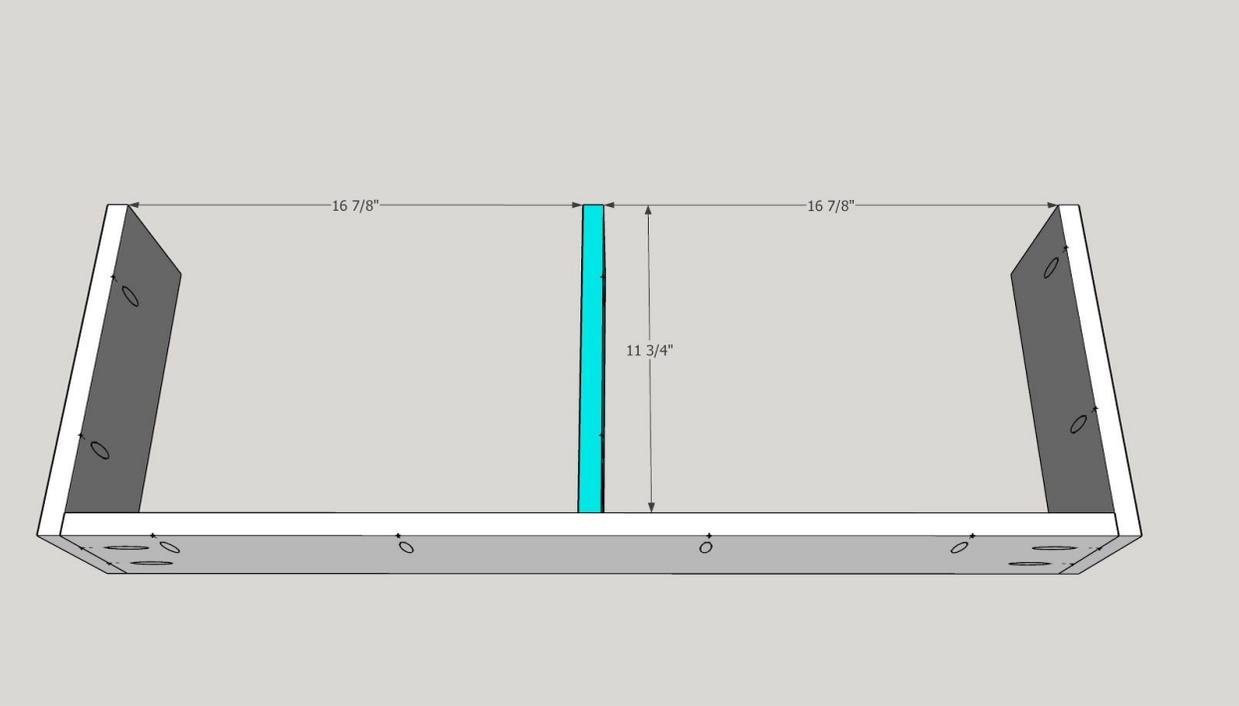
Cut all the 1x6 pieces according to the cut list above. Drill pocket holes as follows:

- Back piece - along one long edge and **both** ends
- End pieces - along one long edge
- Middle piece - along one long edge and **one** end

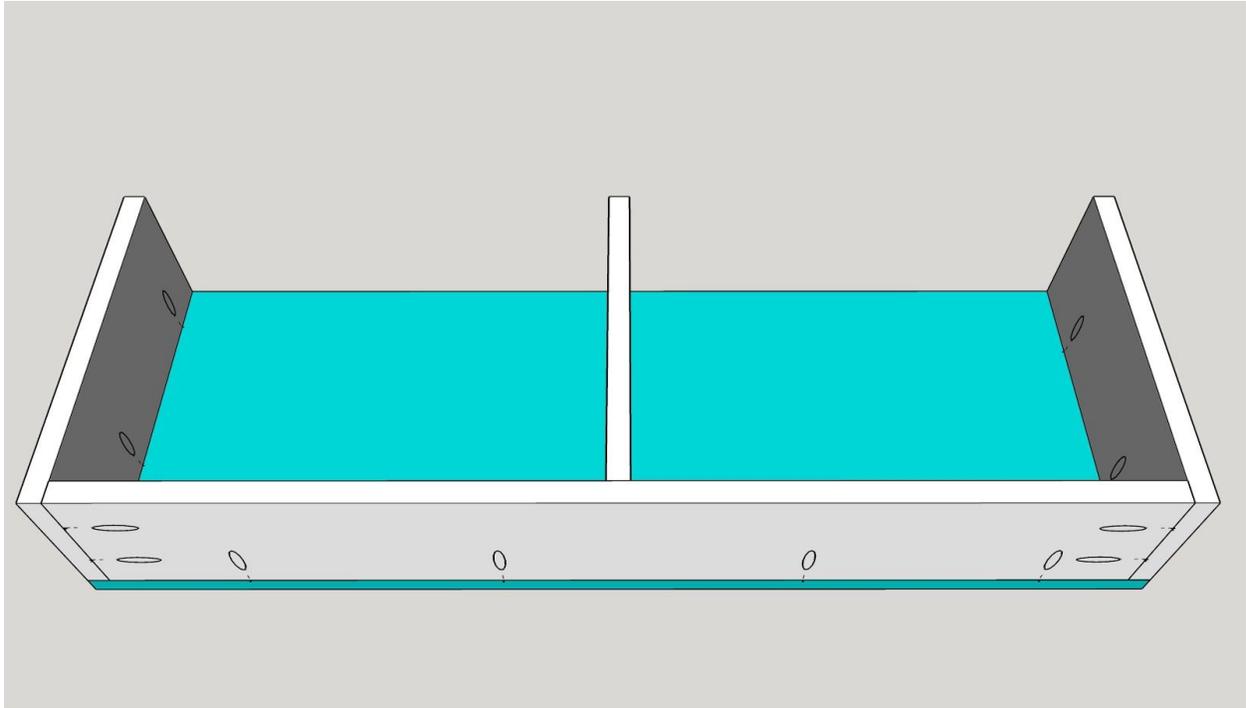
Attach the ends to the back with wood glue and 1 ¼" pocket hole screws.



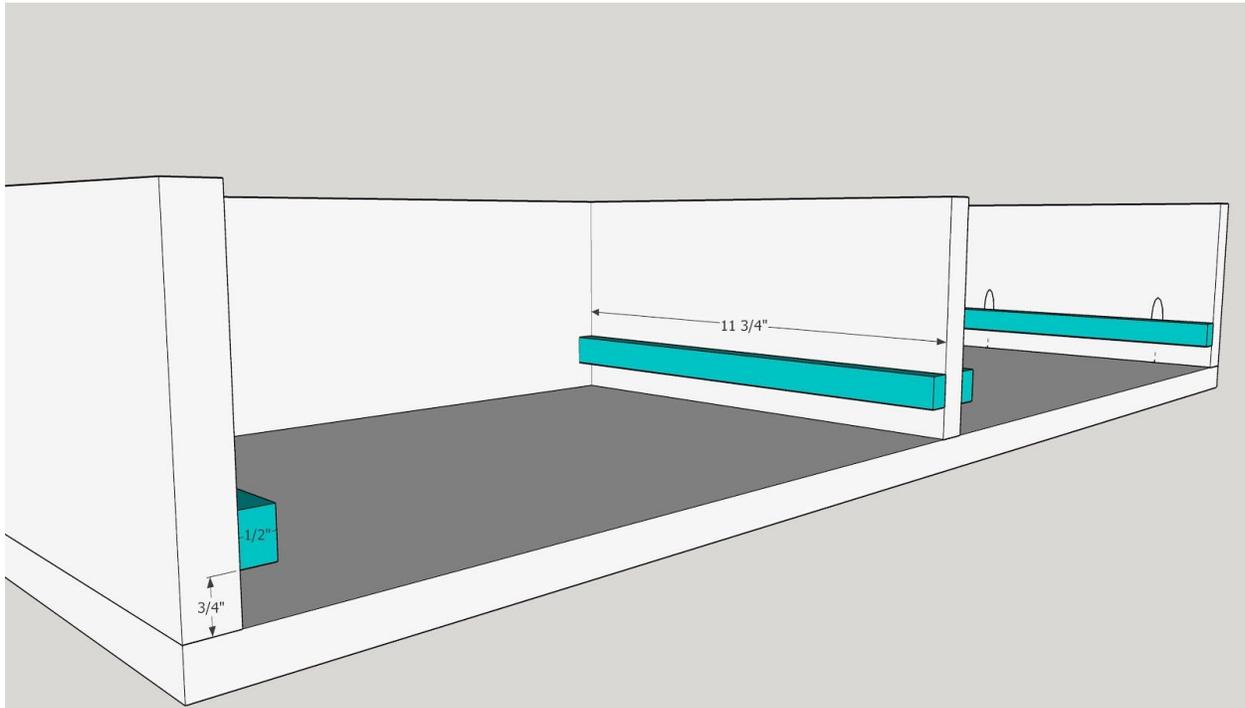
Attach the center divider the same way. Make sure it's square and straight, so the bin can slide properly.



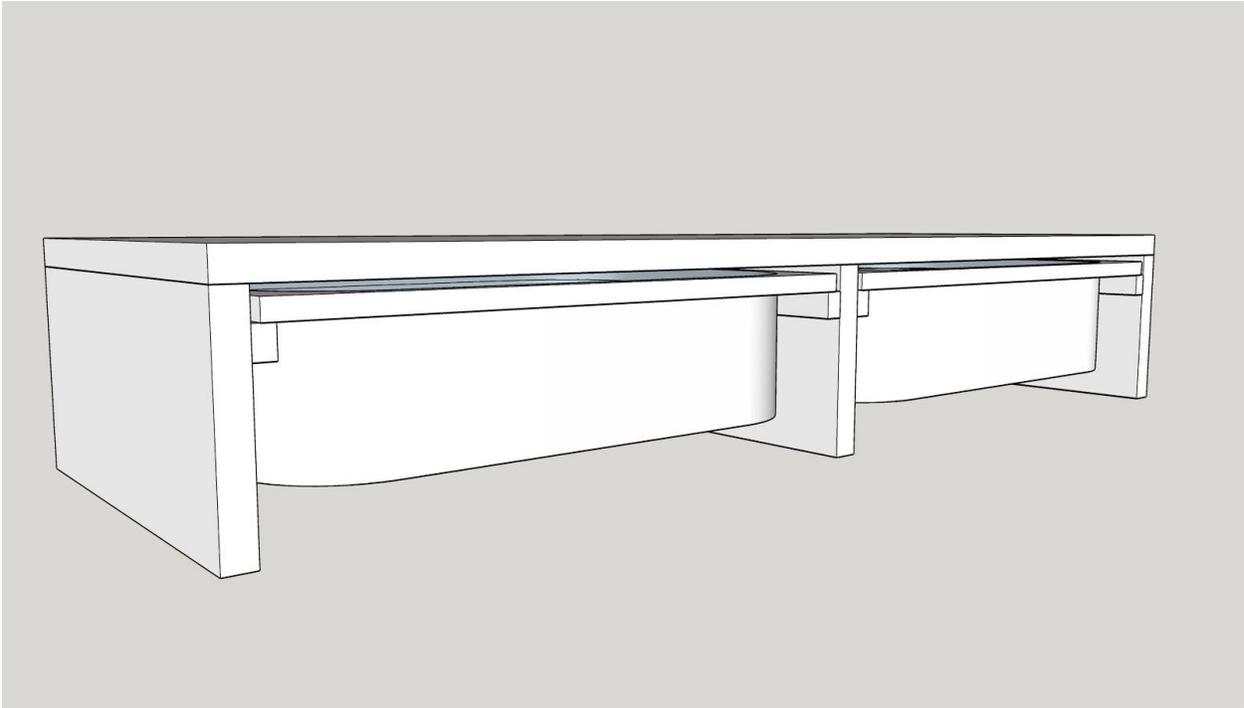
Cut the plywood top to the exact dimensions of the frame (should be $12\frac{1}{2}$ " x 36", but wood can vary in thickness). Attach the top to the frame with wood glue and $1\frac{1}{4}$ " pocket hole screws.



Cut a piece of 1x6 into $\frac{1}{2}$ " wide strips on the table saw (or use a $\frac{1}{2}$ " square wooden dowel). Cut four $11\frac{3}{4}$ " long pieces for the bin slides. Using a scrap piece of 1x6 as a spacer underneath, attach the $\frac{1}{2}$ " strips to the sides with wood glue and brad nails (or countersink screws).

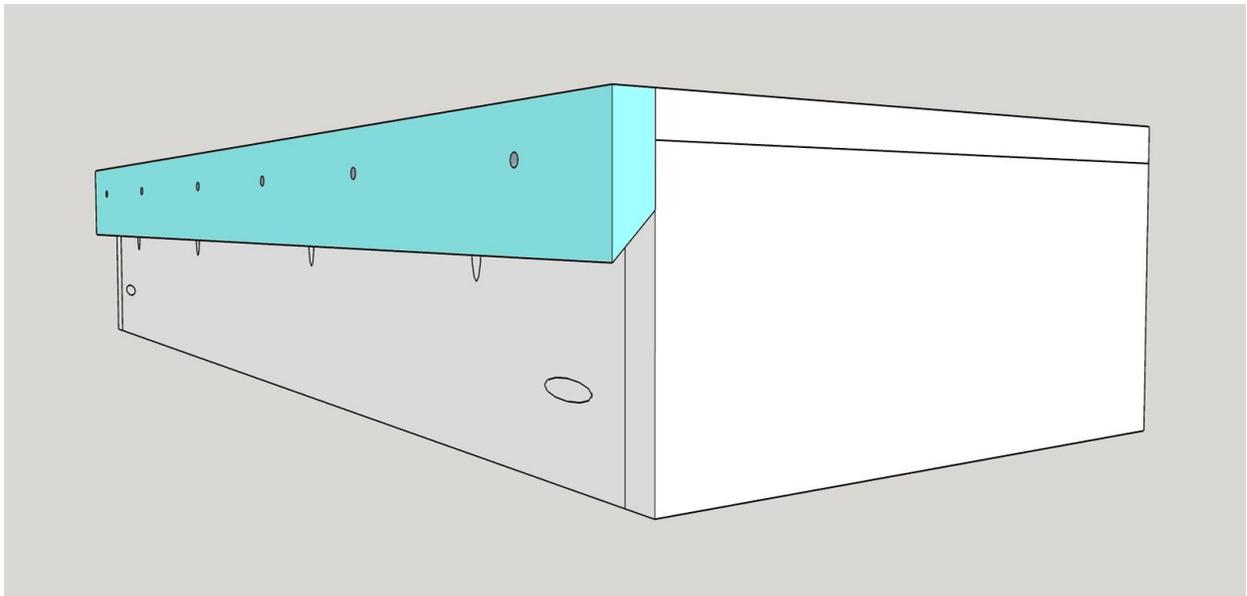


Test fit the bins before painting or staining. Then attach the shelf to the wall with 3" screws at the studs.



You can also add a French cleat if you want the shelf to be easily removed from the wall.

- ❑ Cut a strip of plywood the same length as the back of the shelf, with a 45 degree angle along one long edge.
- ❑ Drill countersink holes along the length of the cleat.
- ❑ Attach the cleat to the back of the shelf with 1 ¼" flat head screws. The point should be facing down and away from the back.
- ❑ Attach the other side of the cleat to the wall at the studs with 3" flat head screws. The point should be facing up and away from the wall.
- ❑ Hook the two sides together so the points are firmly in place.



Show off your build! Email me at hello@thehandymansdaughter.com, or tag me with a photo on [Instagram](#). I'd love to see it!

Were these free woodworking plans helpful? Show your support and [buy me a cup of coffee!](#)



Buy me a coffee