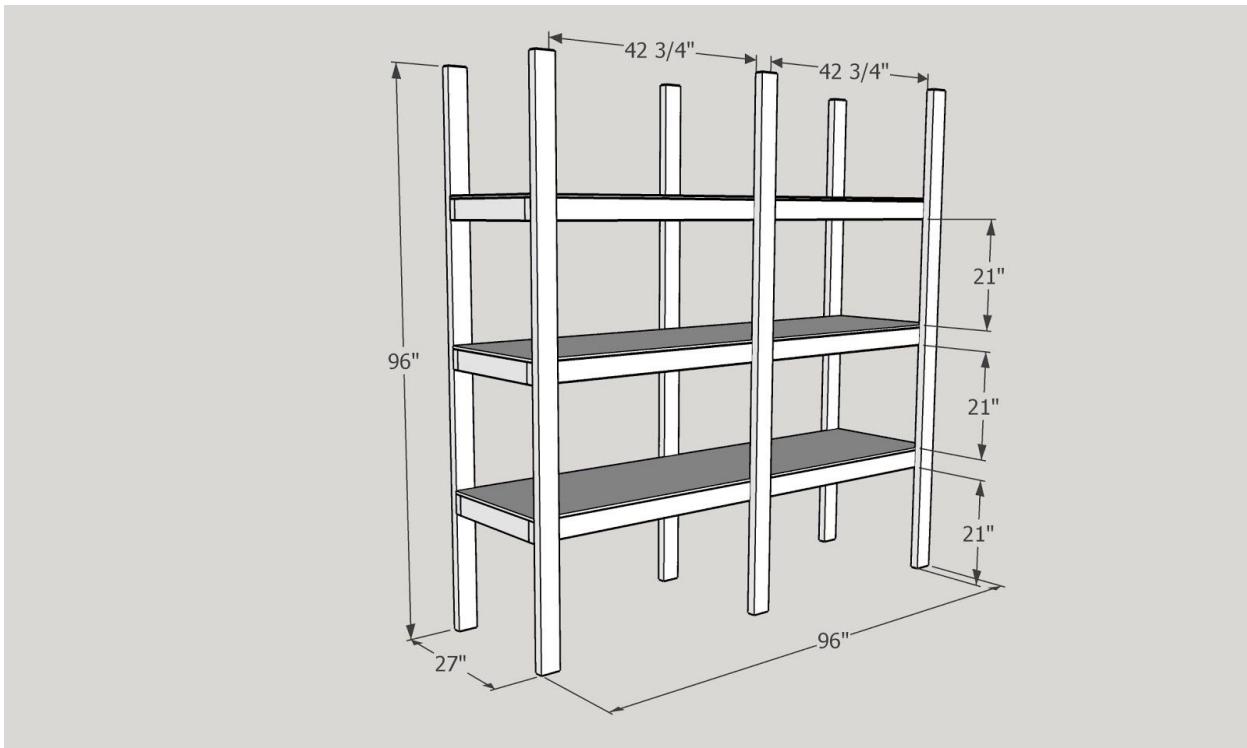


Storage Shelves - 3 Versions

Plans by The Handyman's Daughter

Version 1 - 8 feet long and 27" deep



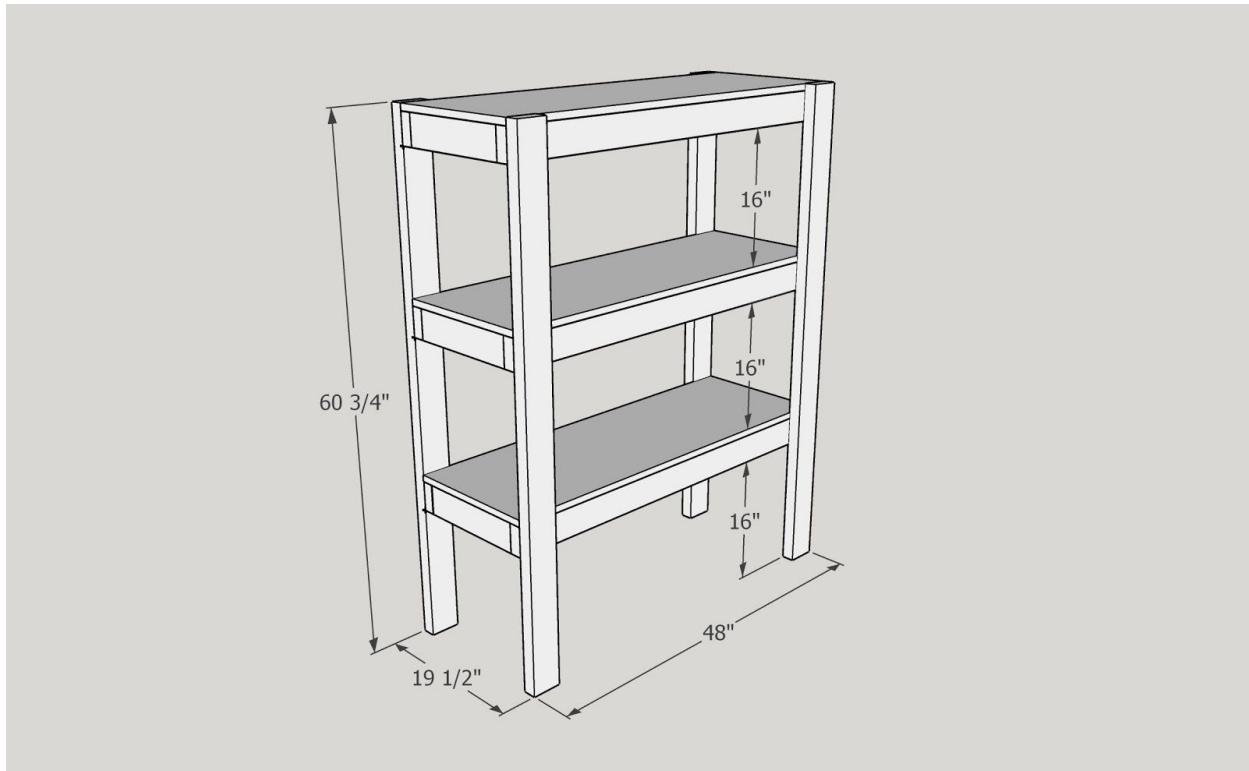
Materials - See blog post [here](#) for links to materials used

- 14 - 2 x 4 boards @ 8 feet
- 2 sheets of oriented strand board (OSB)
- 1 lb box of 2 1/2" screws
- 2 1/2" pocket hole screws
- Kreg Jig
- Square
- Clamps
- Drill
- Miter or circular saw
- Level

Cut List

- 9 - 2 x 4 @ 21"
- 3 - 24" x 8' OSB sheets

Version 2 - 4 feet long and 19 1/2" deep



Materials - See blog post [here](#) for links to materials used

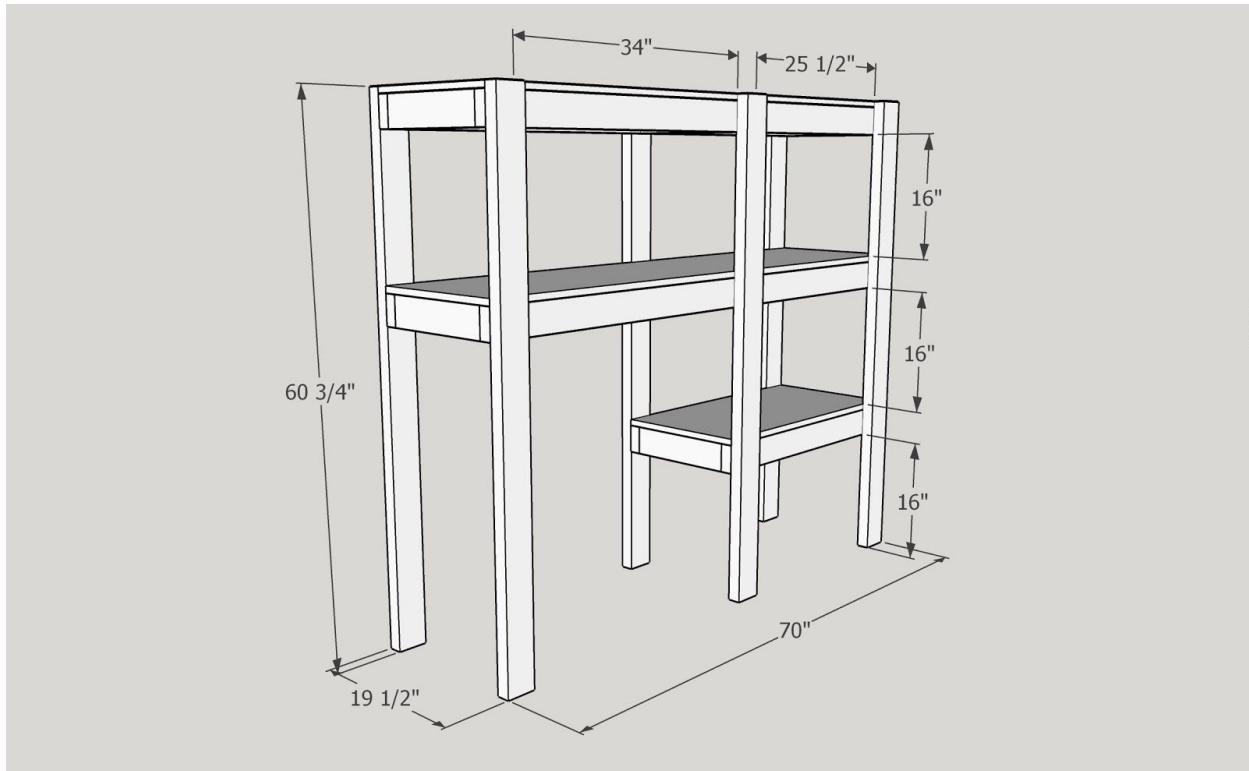
- Seven 2x4x8' wall studs
- One sheet of 5/8" oriented strand board (OSB)
- One box of 2 1/2" screws
- Pocket hole jig
 - Check out my article [comparing the Kreg Jig K5 and R3](#) to decide which one is right for you!
- 2 1/2" pocket hole screws
- Right angle drill attachment (optional, but really helpful!)
- Speed square
- Drill
- Level

- Clamps
- Saw (miter or circular)
- Sander and sandpaper

Cut List

- 4 @ 60 3/4" for the legs
- 6 @ 48" for the long supports
- 9 @ 13 1/2" for the cross supports
- 3 strips of OSB measuring 16 1/2" x 48"

Version 3 - 70" long and 19 1/2" wide with half bottom shelf



Materials - Same as Version 2 except:

- Ten 2x4x8' wall studs
- Two sheets of 5/8" oriented strand board (or use a scrap from Version 2 for the short shelf)

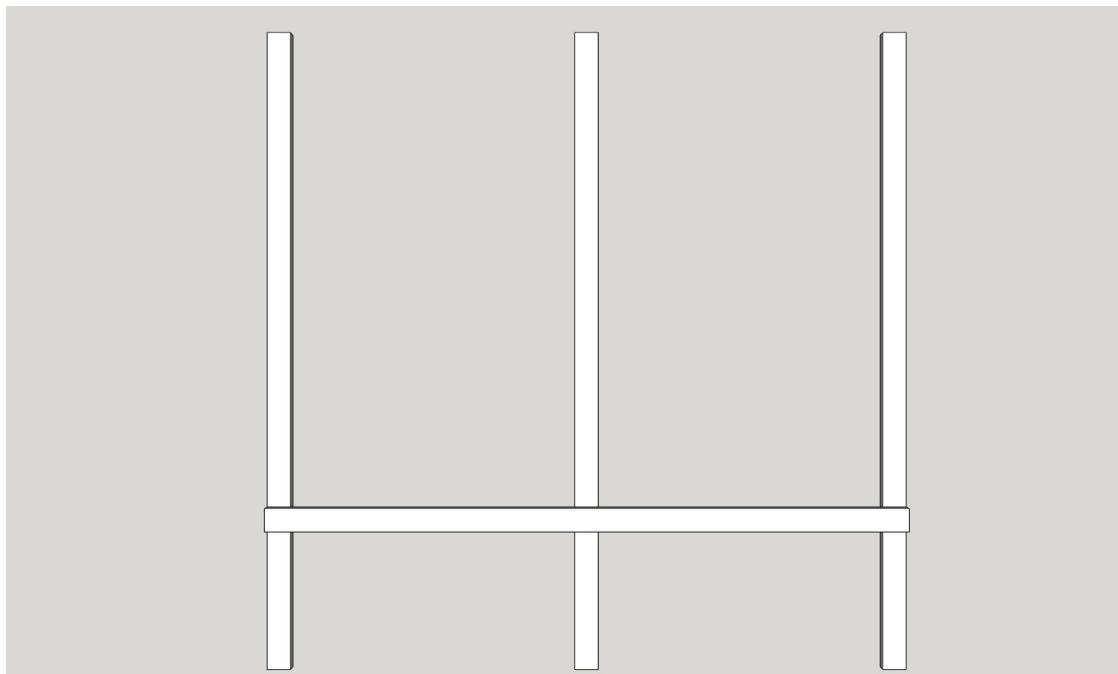
Cut List

- 4 - 2x4 @ 70"
- 6 - 2x4 @ 60 $\frac{3}{4}$ "
- 8 - 2x4 @ 13 $\frac{1}{2}$ "
- 2 - 2x4 @ 32 $\frac{7}{16}$ " (or whatever size you want the bottom shelf to be)
- 2 - OSB @ 16 $\frac{1}{2}$ " x 70"
- 1 - OSB @ 16 $\frac{1}{2}$ " x 32 $\frac{7}{16}$ " (or whatever you want the bottom shelf to be)

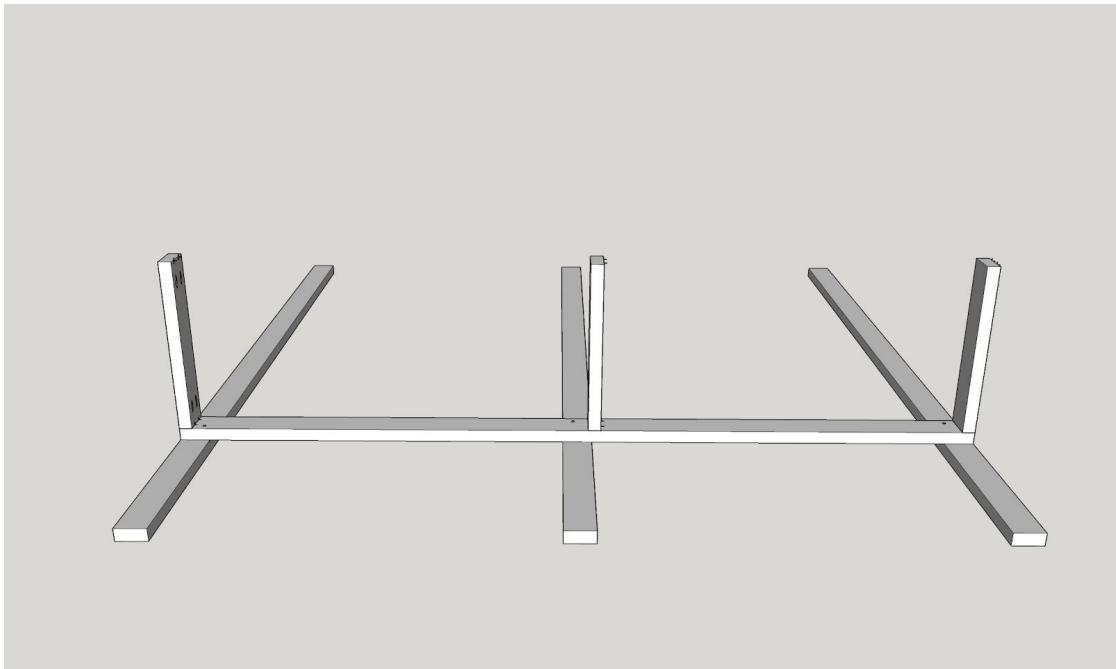
Instructions

Each set of shelves is constructed in basically the same way, except where a specific version is indicated.

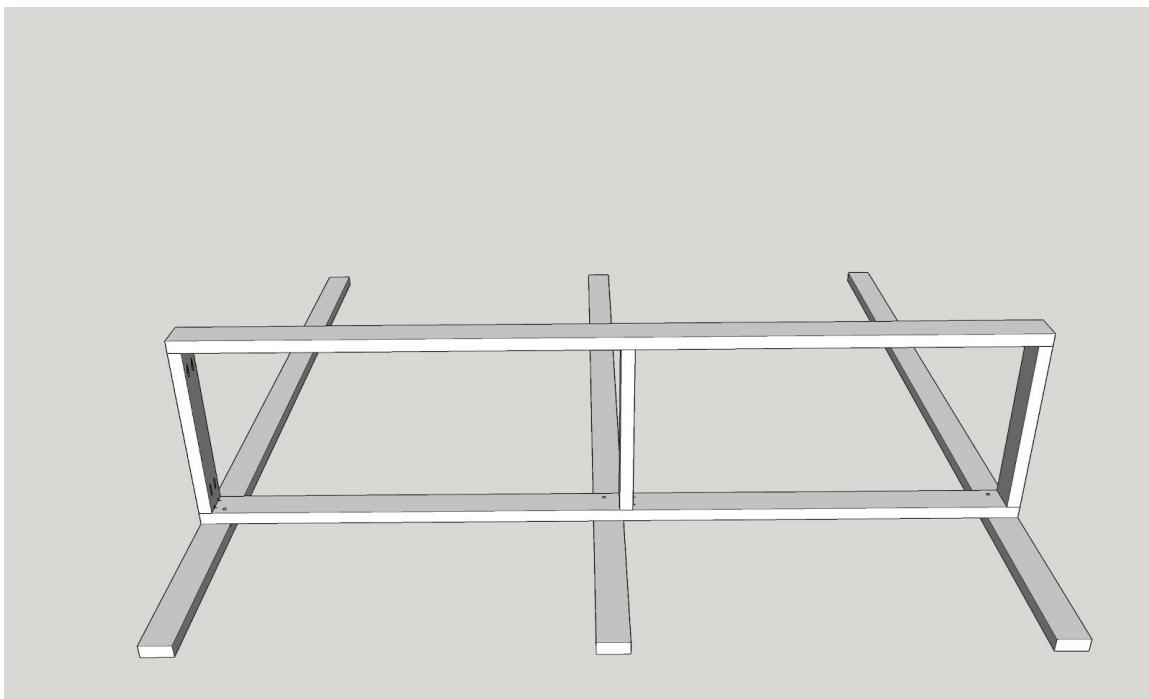
Lay the legs of one side flat on the ground. Mark 21" up (Version 1) or 16" up (Versions 2 and 3) from the bottom of each board. Attach the first rung above that mark with 2 $\frac{1}{2}$ " screws.



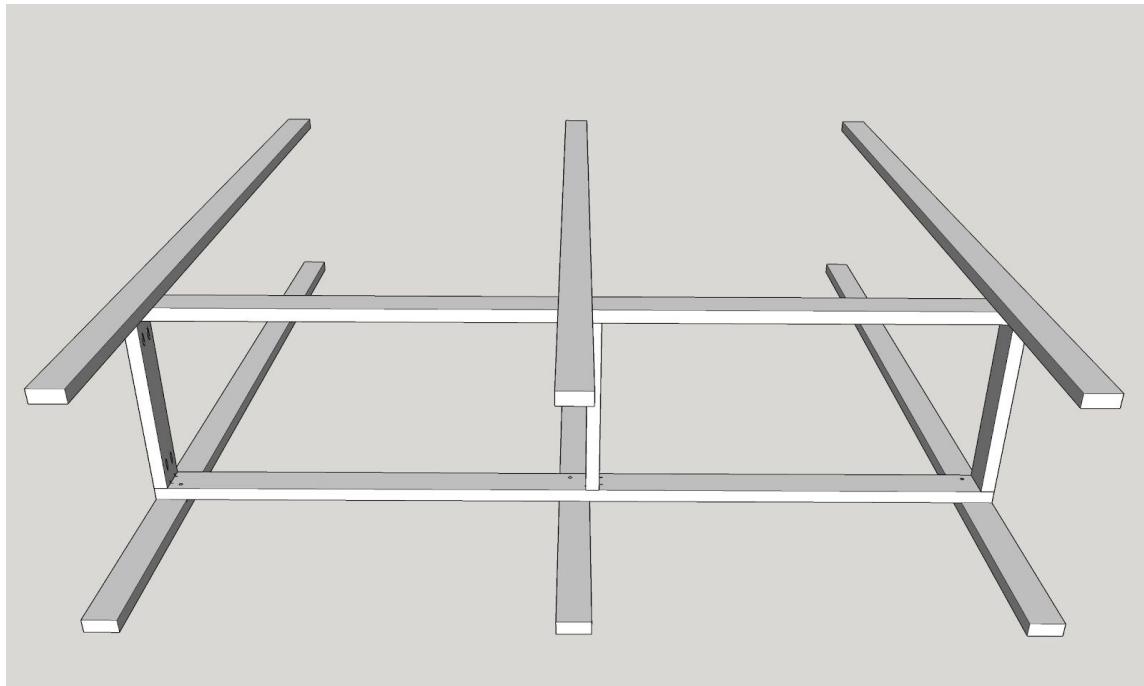
Drill pocket holes in both ends of the 21" 2x4 pieces, and attach to the horizontal support with 2 $\frac{1}{2}$ " pocket hole screws.



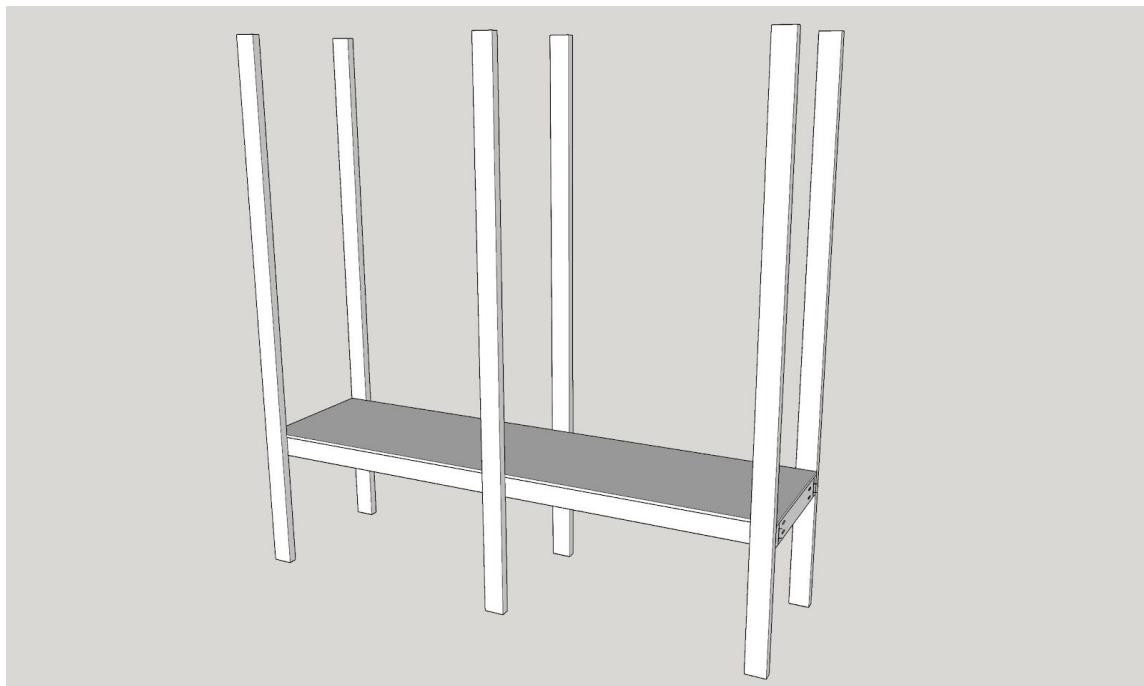
Attach another 8' 2x4 to the other ends of the 21" pieces with $2\frac{1}{2}$ " pocket hole screws.



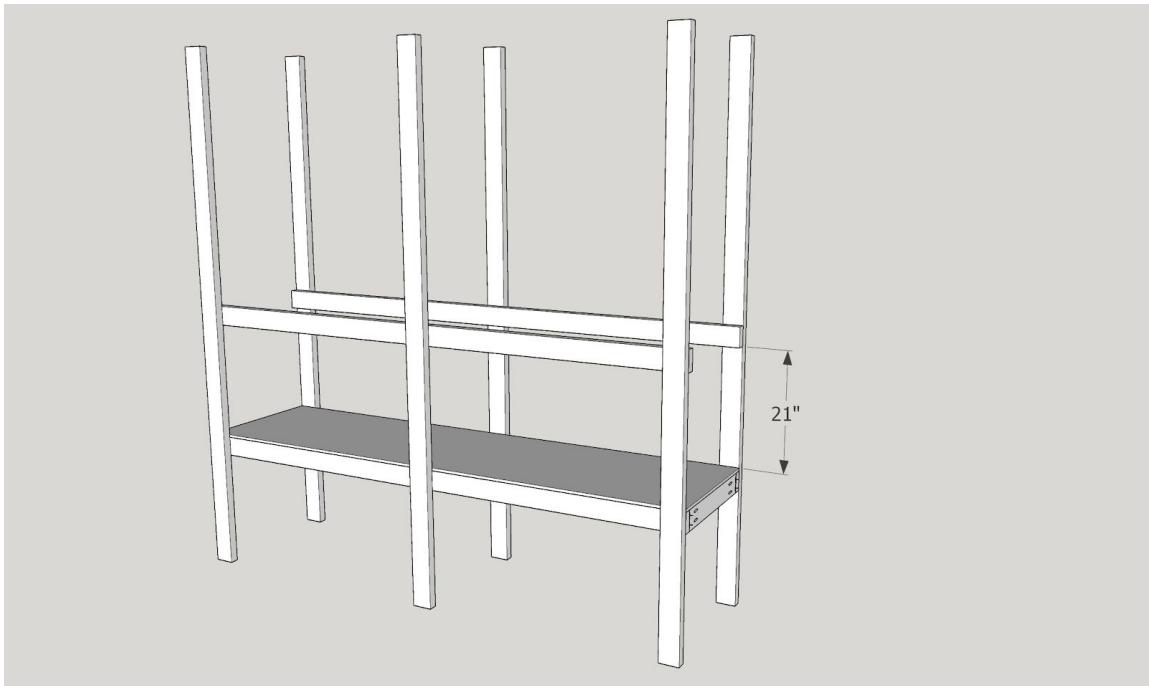
Mark three more 8' 2x4's 21" from the bottom, then attach to the other side of the frame with 3" screws.



Stand the shelving unit upright. Slide one 24" x 8' sheet of OSB onto the constructed frame and secure with 3" screws.



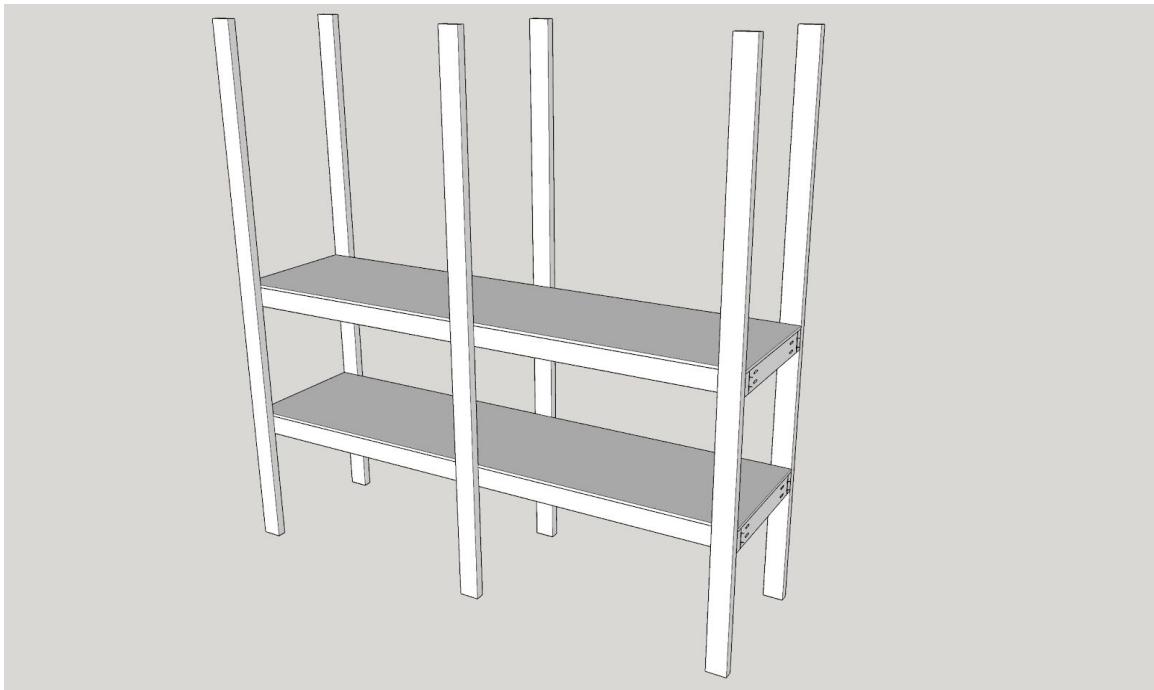
Mark the vertical 2x4's 21" up from the surface of the first shelf. Clamp another 8' 2x4 above those marks, then attach with 3" screws. Repeat for other side.



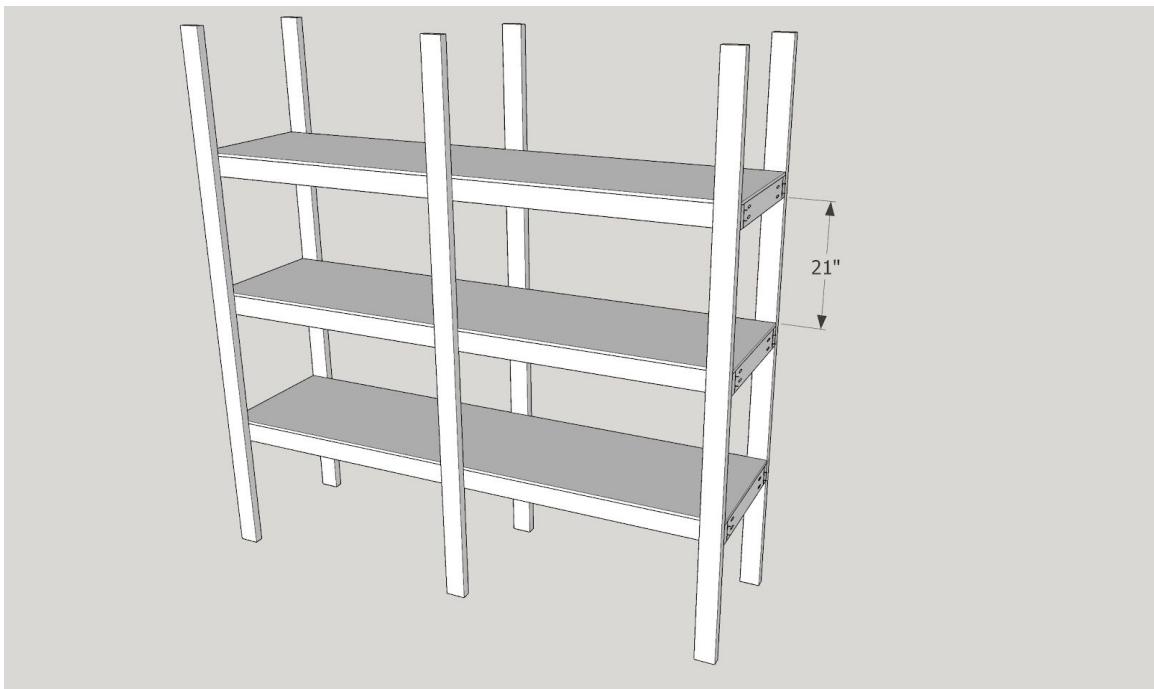
Attach the shorter 21" cross pieces between them with 2 $\frac{1}{2}$ " pocket hole screws.



Slide second sheet of 24" x 8' OSB on top and attach around perimeter with 3" screws.



Repeat process for third shelf.



Now load them up!