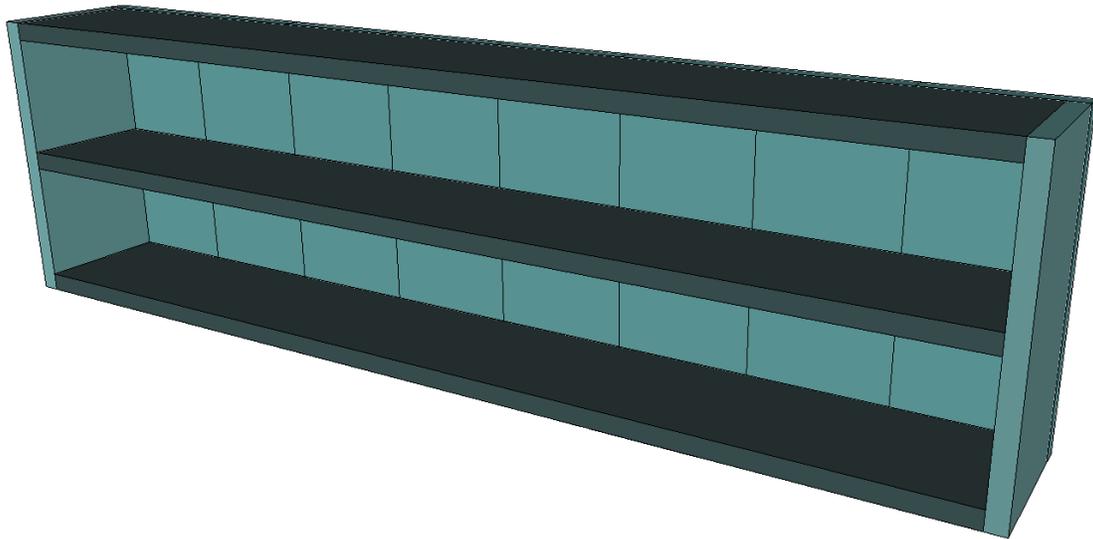


Industry DIY

# Baseball Hat Organizer



# Supply List

## Materials:

- 1" x 6" x 8' (QTY 3)
- Stain or Paint
- Finish (if staining)

## Tools

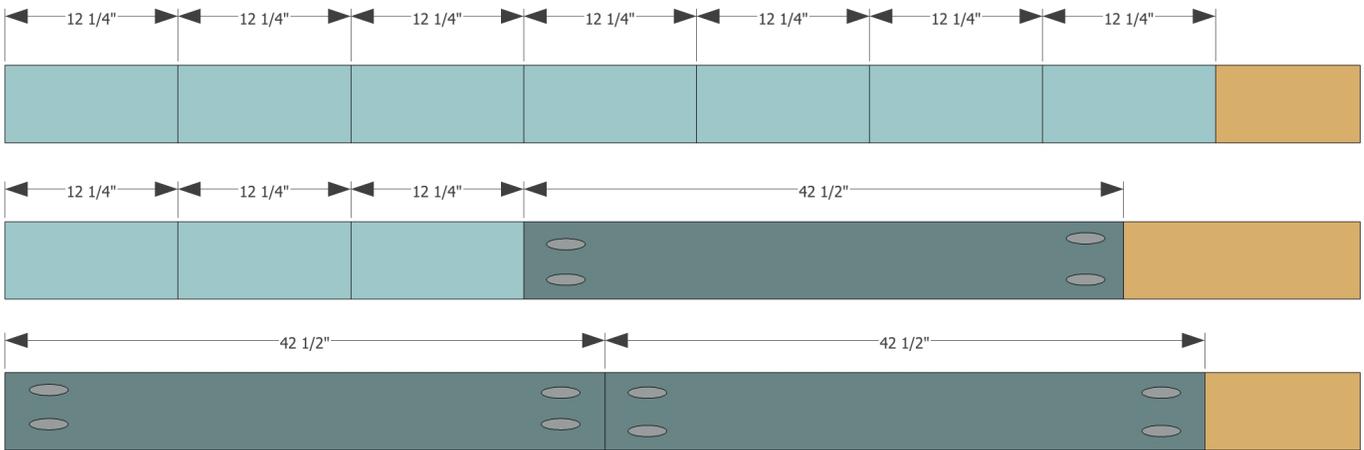
- Miter Saw
- Drill
- Kreg Jig
- Random Orbital Sander

## Other Hardware and Tools

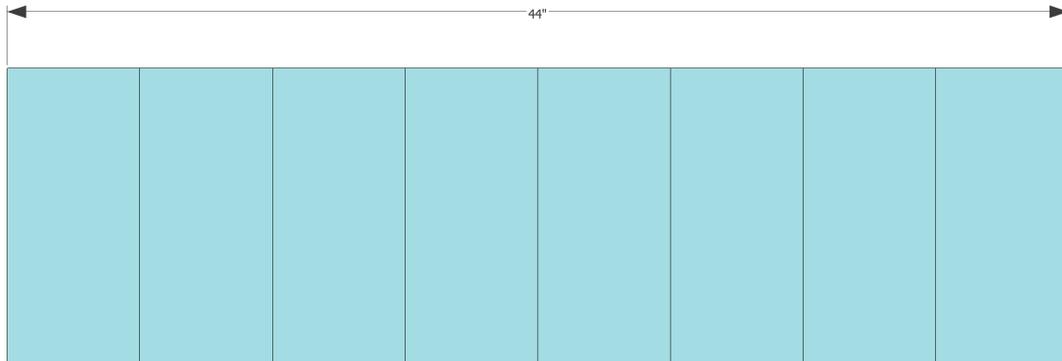
- Tape Measure
- Kreg Drill Bit
- Kreg Screw Bit
- Sanding Disks (80, 150, 220)
- Kreg Screws (coarse – 1¼") (QTY 12)
- Torx Head Screws (1½") (QTY 32)
- Paint Brush
- Paint Thinner
- Cotton Rags
- 2 Sawtooth Hangers or 4 2½" screws
- Stud Finder

# Cut List

It is important to only cut the small 12 1/4" pieces first. Why you need to do this will become clear soon.



After you have cut the 10 small pieces, take 8 of them and set them beside each other, like in the picture below:



This will be the backboard of the shelf. Measure the width of these boards. That is the width of the shelf. You can adjust this as needed by adding or subtracting boards, ripping them, etc.

Now you know how long to cut the shelf pieces. Take your width above and subtract 1-1/2". Make those cuts.

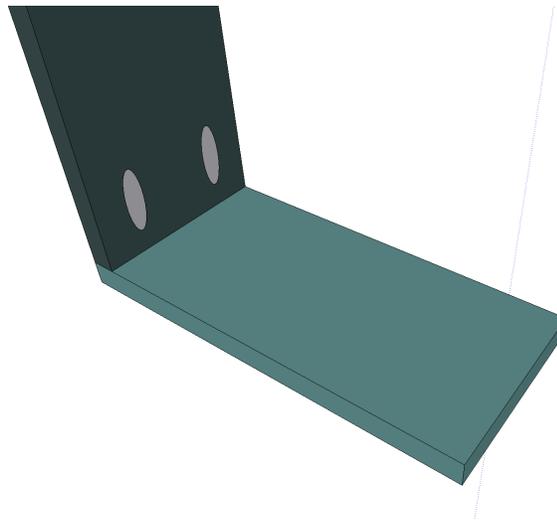
The pocket hole locations are indicated in the cut list above in gray. Drill in those locations with the Kreg Jig on the 3/4" setting.

**Take a random orbital sander and sand down any imperfections and rough edges.**

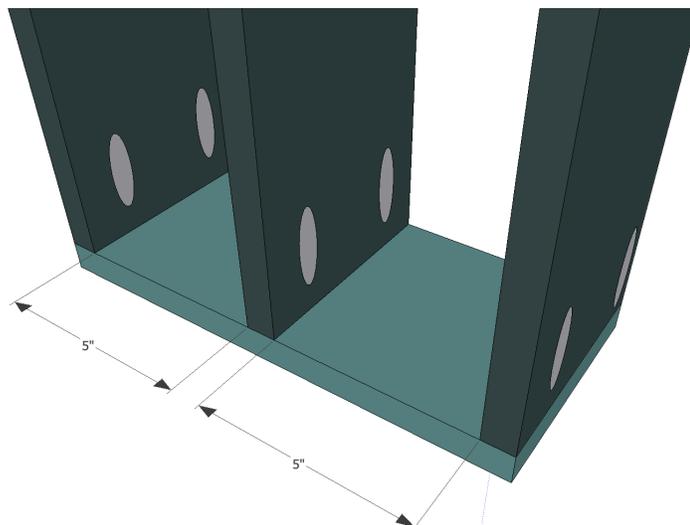
Now all the boards are ready to assemble.

# Step 1- Attach Shelf Pieces

Take a shelf piece and align it to the edge of one of the small 12-1/4" pieces. Drive 2 Kreg screws to attach these together. Shown in image below:

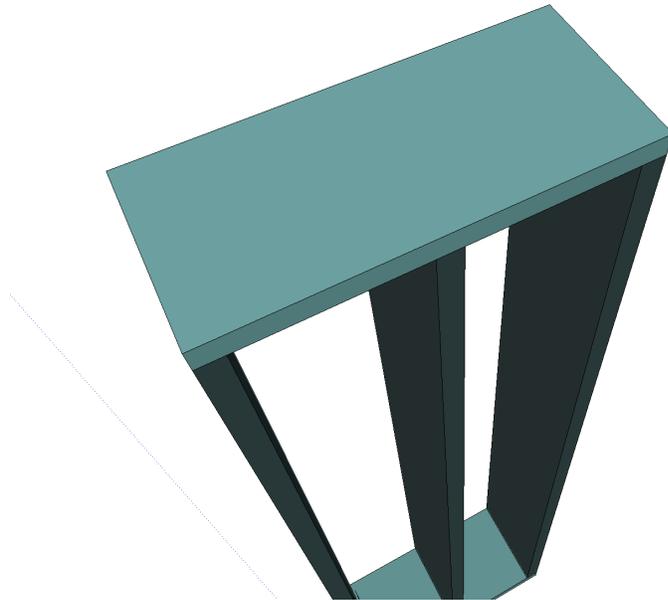


Next, measure 5 inches from the inside edge and mark on the small board. Attach next shelf piece here. See image below:



There should be 5" gap between each shelf piece.

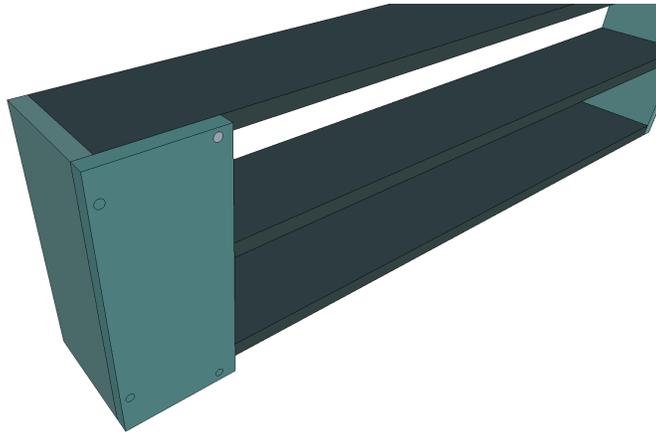
Attach the other end piece in the same fashion.



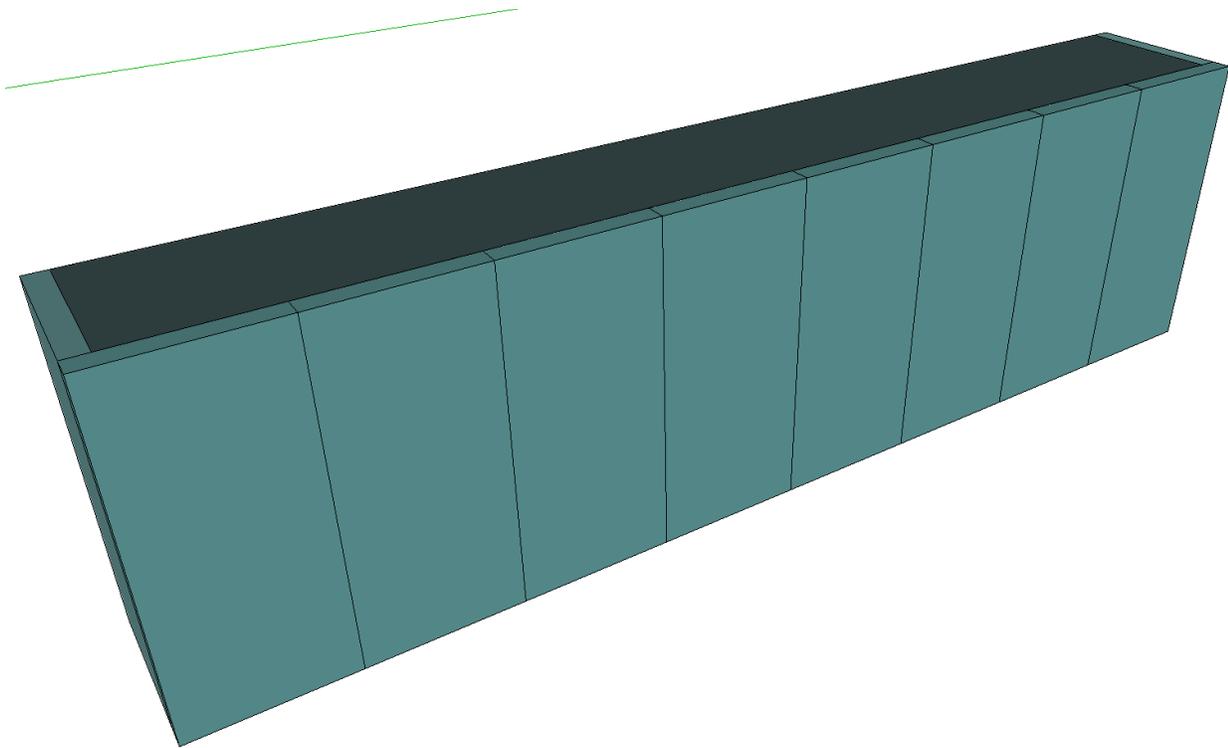
## Step 2 – Add Backboards

Take the 8 backboard pieces and align them on the back of the shelf.

Align the first piece at the edge of the shelf and drive four of the torx screws into the shelf to hold it in place. Screw locations marked below in image.



Repeat this process for all 8 pieces, butting each one up to the other.



## Step 3 – Sand and Prepare for Stain or Paint

This step involves sanding all of the surfaces. I sanded it by hand with 220 just to make sure all surfaces were smooth.

Make sure it is clean from dust and debris at the end of this step.

## Step 4 – Pre-Stain (if staining)

Brush the wood conditioner on and follow the directions on the can.

## Step 5 – Stain and Apply Finish

Apply stain now before wood conditioner dries.

Use a finish that you are familiar with. I simply rubbed some wax on the wood to give it a nice sheen.

## Step 7 – Install

Install where you desire, either using 2 sawtooth hangers, mounting hooks, or simple driving through the backboard into 2 wall studs.