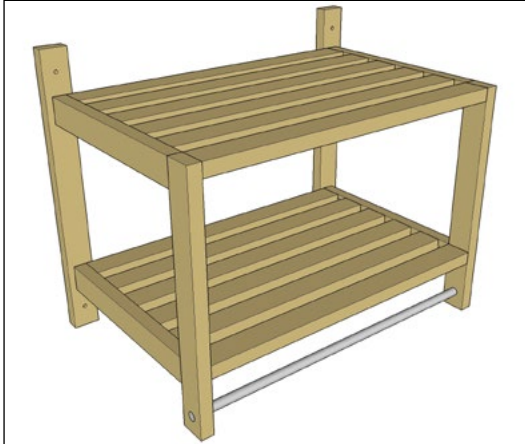




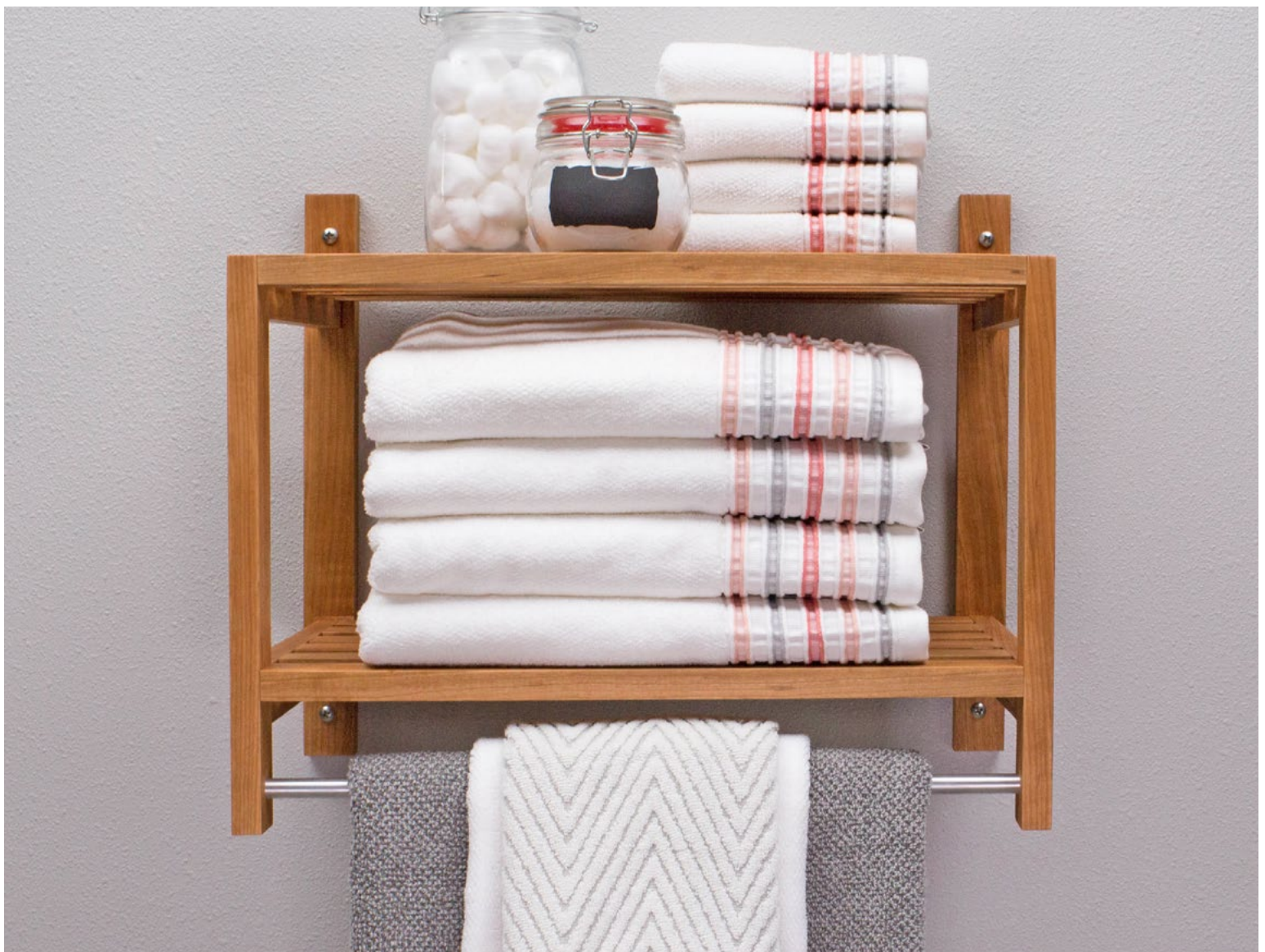
# PROJECT PLANS

## BATHROOM WALL SHELF



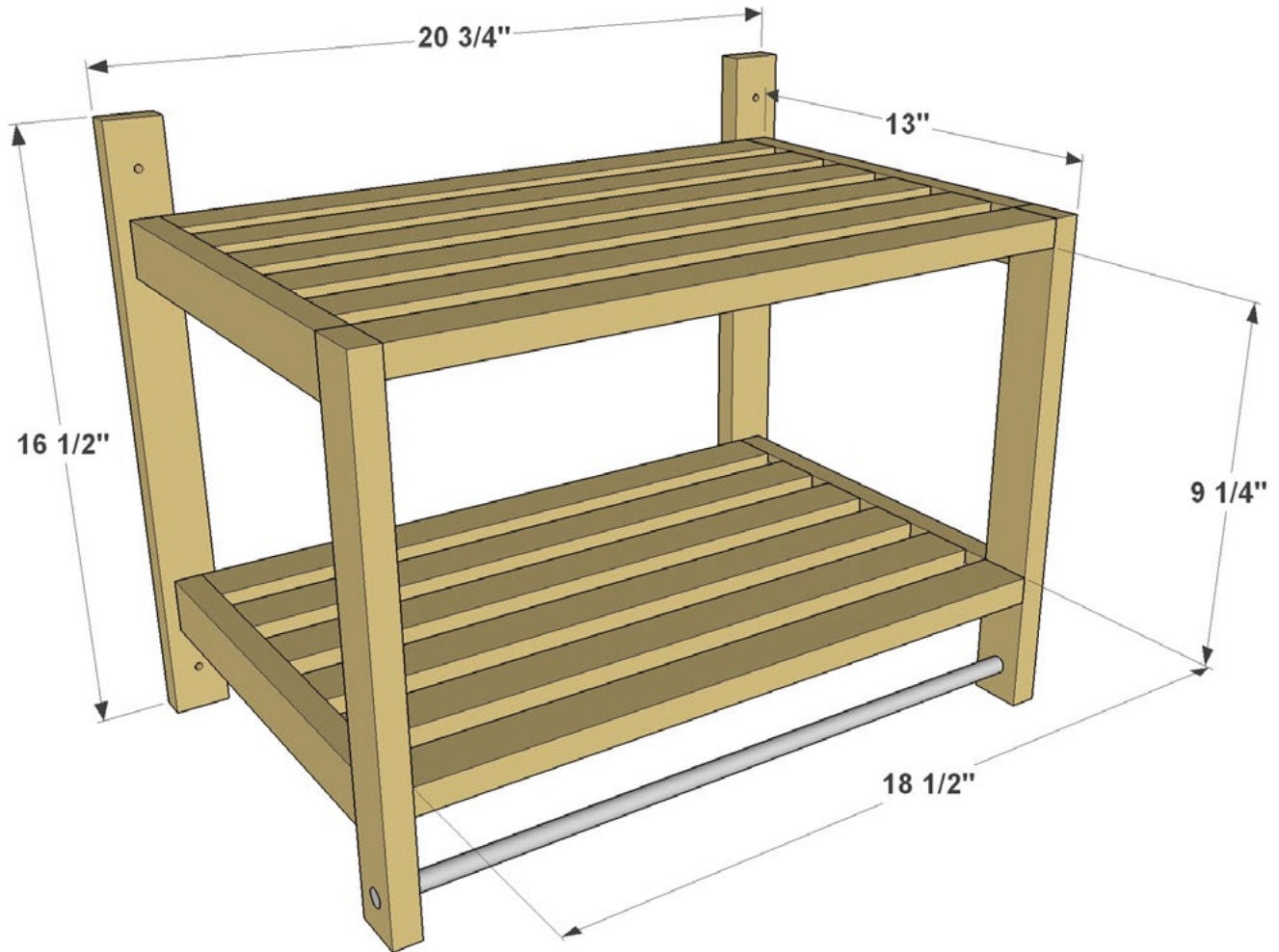
Just about everybody needs more bathroom storage space, but it's one of the most-challenging rooms in the house to fit another item into. This wall-mounted shelf makes a perfect addition because it's small, but it packs a lot into a little space. Two slatted shelves are the perfect place for folded towels and other bath accessories. Plus, the shelf has a bar for hanging towels. Of course, the shelf looks great, too.

The entire shelf is built from 1x2 boards that you can pick up in any home center. We were lucky enough to find cherry boards in our home center. Cherry definitely gives the shelf a classic look.



## Safety:

Attention: Almost any do-it-yourself project involves risk of some sort. Your tools, materials, and skills will vary, as will the conditions at your project site. Kreg® Tool Company ("Kreg") has made every effort to be complete and accurate in the instructions and other content contained in this document. However, Kreg® will not assume any responsibility or liability for damages or losses sustained or incurred in the course of your project or in the use of the item you create. Always follow the manufacturer's operating instructions in the use of tools, check and follow your local building codes, and observe all commonly accepted safety precautions. We strive to be accurate, but reserve the right to correct any errors.



## Materials:

Qty	Description
(4)	1x2 x 96" Boards (we used cherry)
(1)	1/2" x 36" Aluminum Rod
(60)	1 1/4" Fine-Thread Pocket Hole Screws
(16)	Wood Pocket Hole Plugs
(4)	#12 x 2 1/2" Panhead Stainless Steel Sheet-Metal Screws
(4)	Auger-style Wall Anchors
	#0000 Steel Wool or 400-grit Wet/Dry Sandpaper
	Epoxy
	Oil or Polyurethane Finish

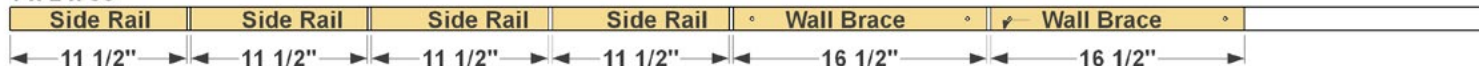
## Tools:

Drill/Driver  
Kreg Jig®  
Miter Saw  
Tape Measure  
Compass  
Sandpaper and Sander

Optional Tools:  
Kreg Square-Cut™

# Cutting Diagram:

1 x 2 x 96"



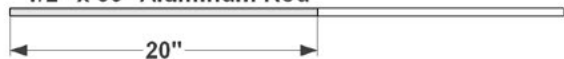
1 x 2 x 96"



2 - 1 x 2 x 96"



1/2" x 36" Aluminum Rod



**Step 1:** Cut two Wall Braces and two Front Legs to size from a 1x2 board, as shown in the cutting diagram. In the Wall Braces, drill two holes where shown for screws that will be used to mount the finished shelf on the wall. In the Front Legs, drill a hole for the aluminum rod that will serve as a towel bar.

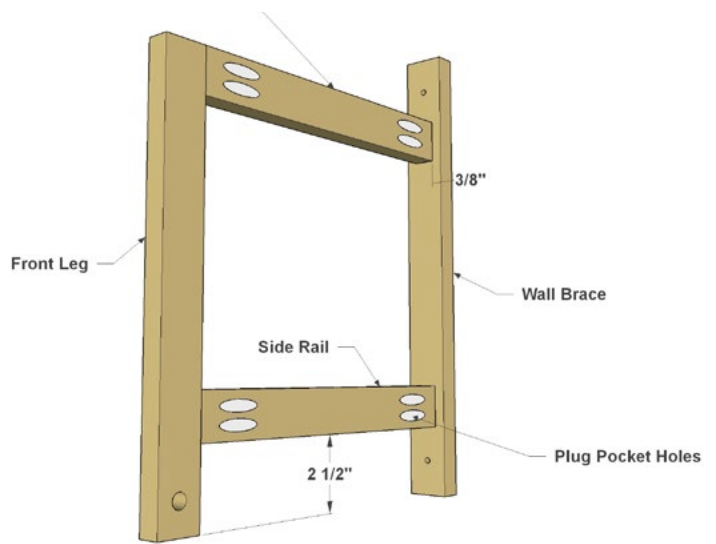


**Step 2:** Cut four Side Rails to size from a 1x2 board, as shown in the cutting diagram. Then, with your pocket hole jig set for 3/4" material, drill pocket holes in these pieces where shown.

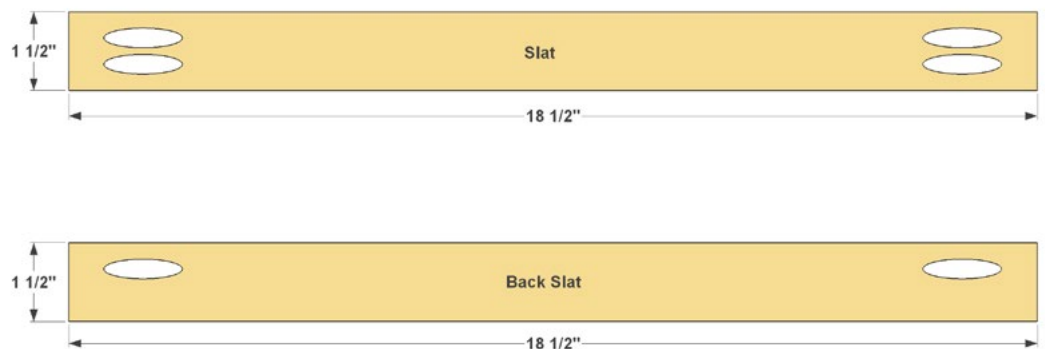




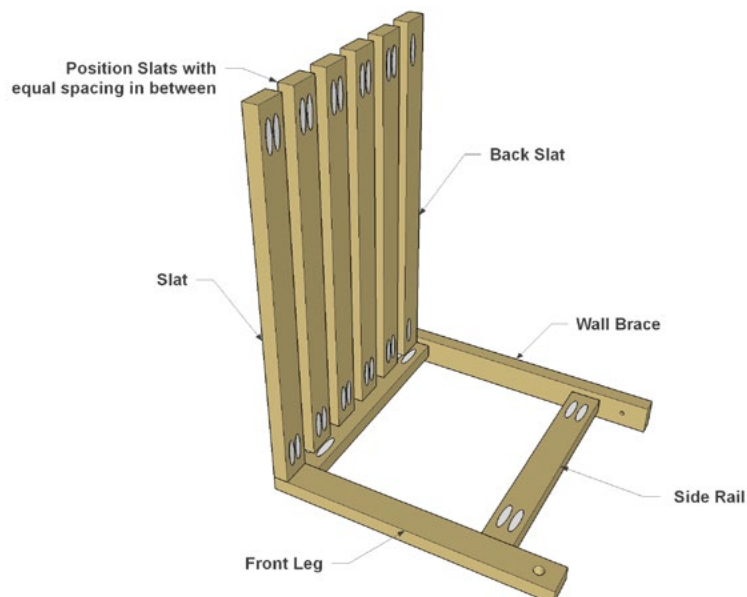
**Step 3:** Begin assembling the sides by assembling the Side Rails, Front Legs and Wall Braces, as shown, using 1 1/4" fine-thread pocket hole screws. Make sure the pocket holes on the Side Rails face to the inside for each side. Plug the holes with glue and wood pocket hole plugs that match the species of wood you use for your project. Let the glue dry and sand the plugs flush.



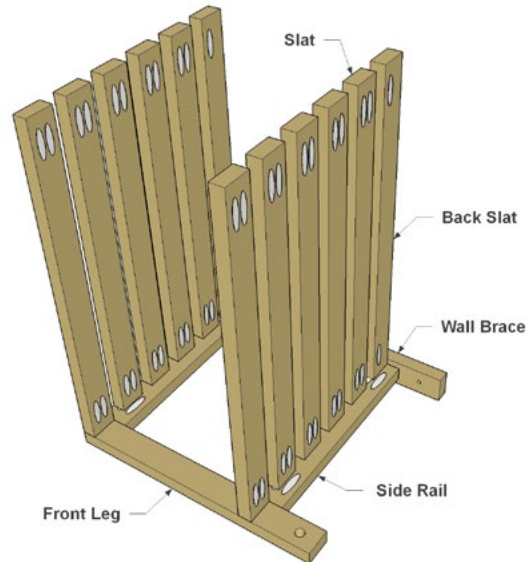
**Step 4:** Cut 10 Slats and two Back Slats to length from 1x2 board, as shown in the cutting diagram. With your pocket hole jig set for 3/4" material, drill pocket holes where shown. Note that the 10 Slats get two pocket holes on each end. The Back Slats only have one at each end.



**Step 5:** Add the top shelf assembly by attaching five Slats and one Back Slat as shown using 1 1/4" fine-thread pocket hole screws. It's easiest if you attach the front-most Slat, and the Back Slat, and then space the remaining Slats evenly in between them.



**Step 6:** Next, you can attach the other slats to create the lower shelf in the same way.



**Step 7:** Add the second side to the shelf assembly using 1 1/4" fine-thread pocket hole screws.

**Step 8:** With a hack saw, cut the aluminum rod to length, as shown in the cutting diagram. Use #0000 (super fine) steel wool or 400 grit wet/dry sandpaper to polish the rod to a finished look.

**Step 9:** Mask the hole for the rod in the Front Legs with painter's tape, and then cut the tape from the hole with a utility knife. Slide the rod through one hole but leave it shy of the second hole. Add a dab of epoxy to the open hole and a little to the other end of the rod. Gently slide the rod into position. Remove the painters tape before the epoxy sets up. If you need to clean up any excess epoxy you can use denatured alcohol or lacquer thinner.

**Step 10:** With everything assembled, you can apply a finish of your choice. To bring out the color of the cherry wood we used for our shelf, we simply finished it with a natural oil.

**Step 11:** Now you can install the shelf. First, locate where you want it on the wall. While holding it in position, poke a sharp object through the mounting holes to indent the wall. Then, drill holes according to the manufacturer of your wall anchors. Install the wall anchors, and then mount the shelf using four #12 x 2 1/2" stainless-steel sheet metal screws.