

Rolling Spice Rack

# PROJECT PLANS

**Finished Dimensions:** 4 1/2"W x 34 1/4"H x 24 1/8"D

**Skill Level:** Beginner

# Materials

Item	Qty
1" x 5" x 8' Board*	2
1" x 2" x 8' Board*	2
1-1/4" x 18-Gauge Collated Nails	1 box
2 in. Casters	4
#8 x 5/8" Flat Head Phillips Screws	16
Knob	1
Paint	1 quart
Sandpaper** : 150g, 220g & 320g	
Drill Bits: 1/8"	

**Disclaimer – Please review the Finished Dimensions on Page 1. You may need to revise the overall dimensions to fit your space and needs. This project plan will still guide you through the general assembly of this build.**

\* Board Dimensions are "nominal". Actual dimensions are smaller due to lumber industry standards. Cuts are actual length.

\*\* Starting grit will depend on board surface condition, a rough surface will require starting with a coarse grit first.

Grit is measured in the coarseness of the particles on the sandpaper. The lower the grit number, the coarser the paper. Heavy sanding would require 60 to 80 grit, medium sanding would require 120 to 220 grit, and finish sanding would require 320 to 400 grit. Super fine sanding would be 600 grit and higher.

A select/premium board or plywood comes with a smoother surface finish. It is clear or has very few tight knots, and it will have straight and sharp edges. This grade of wood pairs well with other boards or panels better and requires less time to sand and finish.

# Tools Used



7 1/4" Sliding Compound Miter Saw



18-G. Brad Nailer



Drill/Driver



5" Random Orbit Sander



Tape Measure



Drill Bits



5" Orbit Sandpaper



Phillips Driver Bit

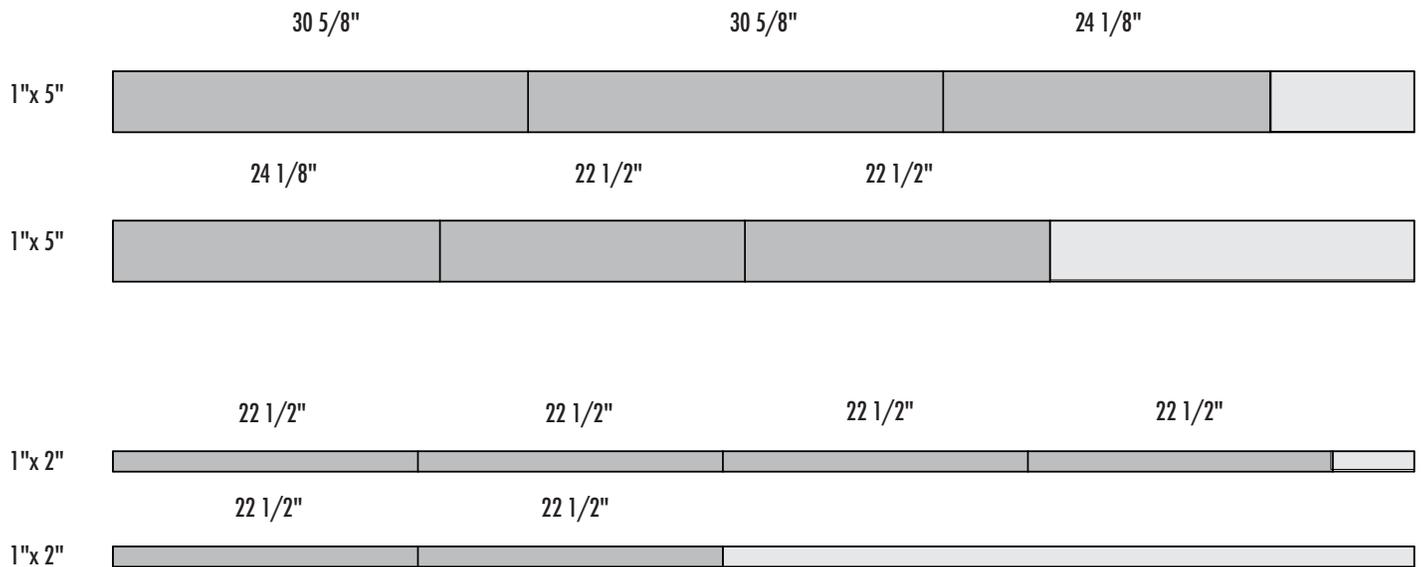
Also Needed: Safety Glasses and Clamps

# Lumber Cut List

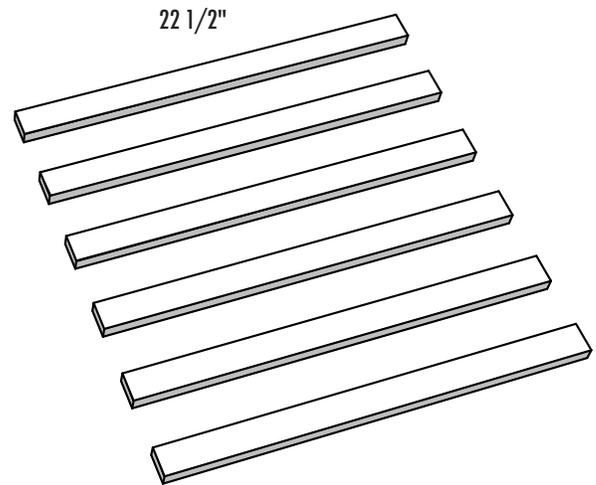
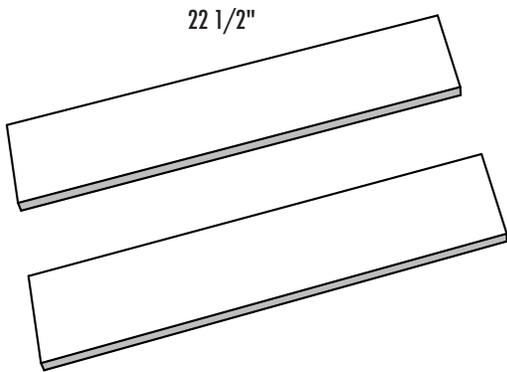
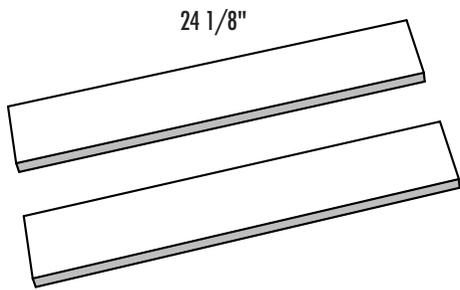
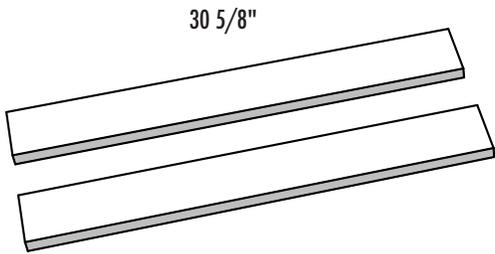
Board *	Description	Cut to	Qty
1" x 5"	Front & Back Panels	30 5/8"	2
1" x 5"	Top & Bottom Boards	24 1/8"	2
1" x 5"	Shelves	22 1/2"	2
1" x 2"	Rails	22 1/2"	6
1" x 2"	Spacer Blocks	1"	2

\*Board Dimensions are "nominal". Actual dimensions are smaller due to lumber industry standards. Cuts are actual length.

# Lumber & Sheet Layout Guide



# Lumber & Sheet Cut Layout Guide



# Assembly Instructions

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## Step 1



Measure and cut out all material using the Lumber & Sheet Cut Layout Guide.

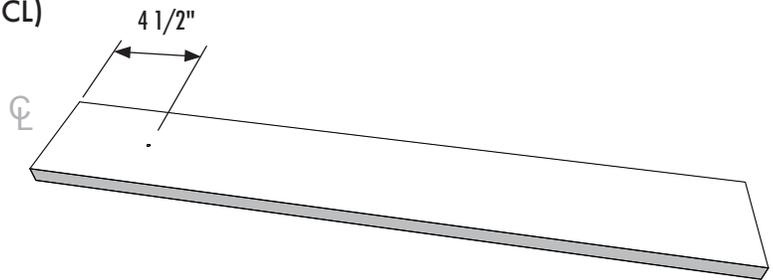
## Step 2



Take (1) of the 1" x 5" x 30-5/8" boards and measure 4-1/2" from (1) end. Find the center line (CL) and make a mark.

Drill a 1/8" hole at the mark.

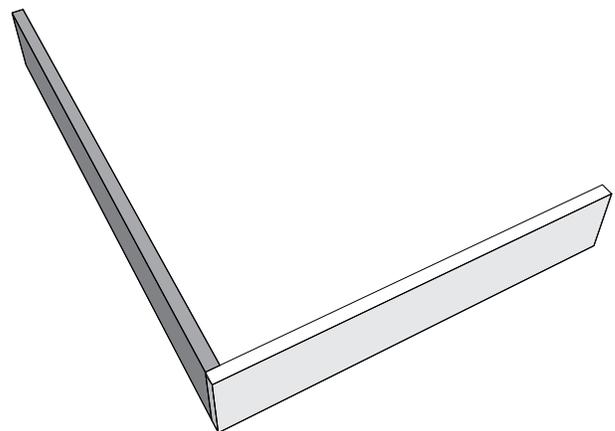
This hole will be for the knob attachment.



## Step 3



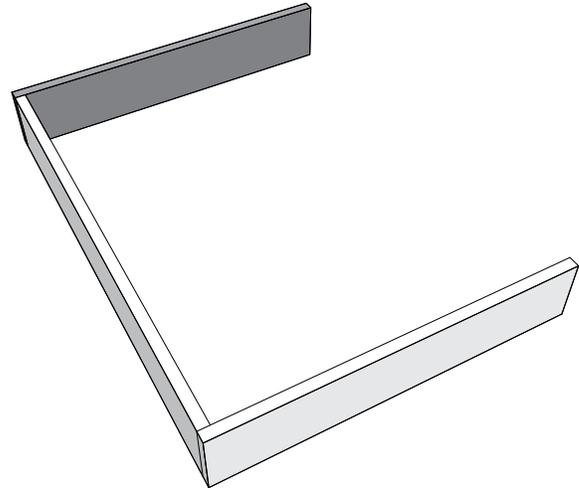
Attach the other 1" x 5" x 30-5/8" board to (1) of the 1" x 5" x 24-1/8" bottom boards using glue and 1-1/4" brad nails.



### Step 3.5



Use the same method from Step 3 to attach the 1" x 5" x 24" top board to the back panel.



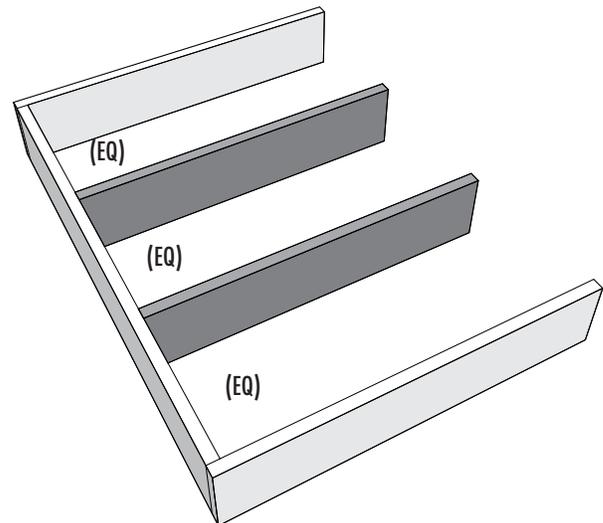
### Step 4



The measurement for each shelf is 9-11/16" or equal distance (EQ) from each other.

Mark this distance along the inside of the back panel. Be sure to allow 3/4" for the thickness of the shelves.

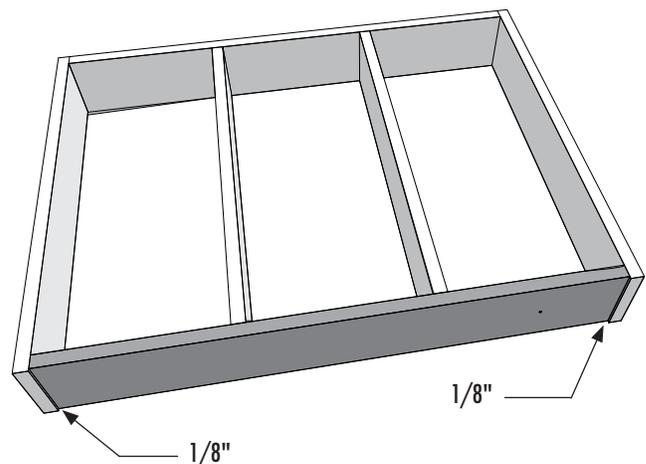
Glue and nail the shelves in place from the back side.



### Step 5



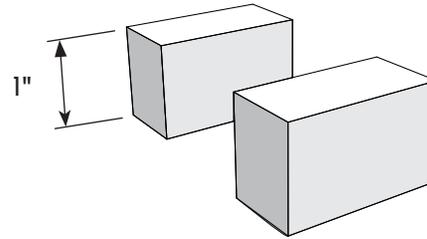
Align the front panel so the hole drilled in Step 2 is located toward the top. Follow the attachment method from Steps 3 & 4. There will be a 1/8" edge on the top and bottom boards.



### Step 6



Take the extra 1" x 2" boards and make (2) spacer blocks that are 1" tall.



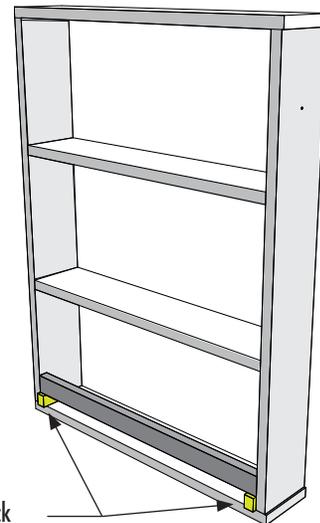
### Step 7



Place the 1" spacer blocks on top of the bottom board and to (1) side. Set (1) of the 1" x 2" x 22-1/2" rails on top. Align the outside edges of the rails and frame so they are flush with each other.

Glue and nail together on both ends. Remove the 1" spacer blocks.

Repeat this step for the remaining shelves.



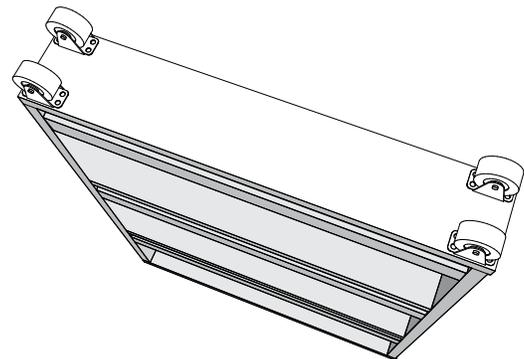
### Step 8



Turn the spice rack up side down and test to see if the casters will fit.

Using holes located on caster mounts, mark a center point for each screw.

Drill (1) 1/2" deep pilot hole at each location.



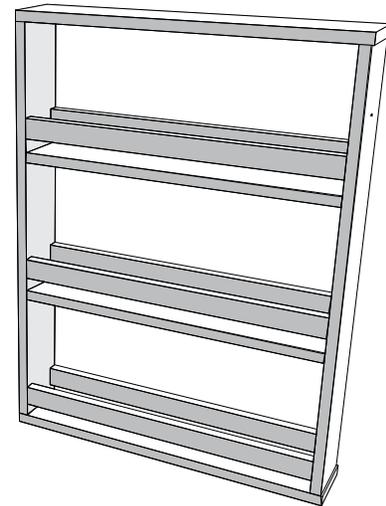
Tip - Wrap masking tape to set the depth of the hole. When the tape meets the wood, stop drilling.

### Step 9



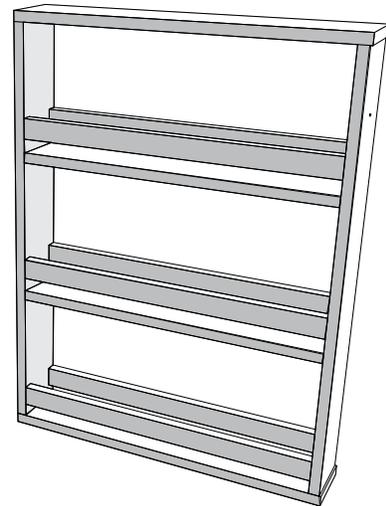
Use wood filler and fill in each of the nail holes.

Sand the spice rack following the suggestions found on Page 9 and finish to your desire.



### Step 9.5

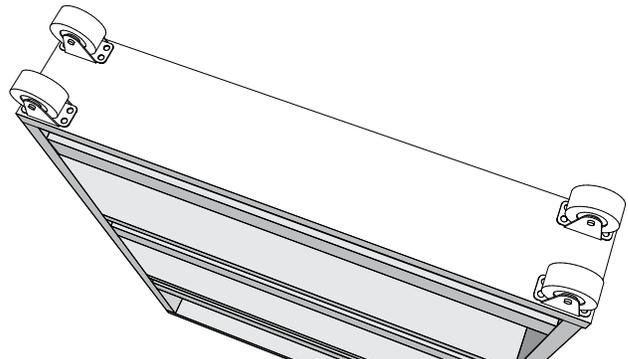
Finish to your desire with paint or stain.



### Step 10

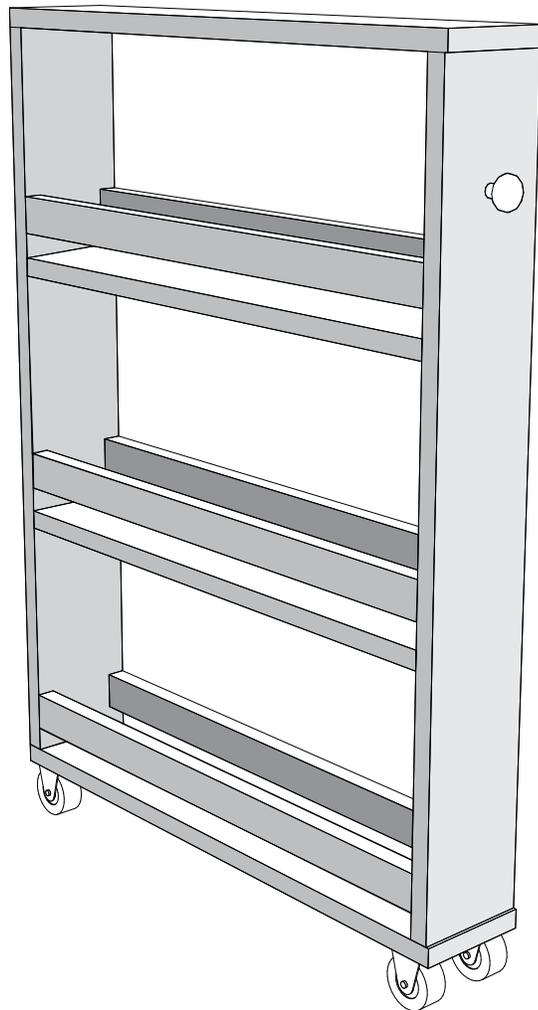
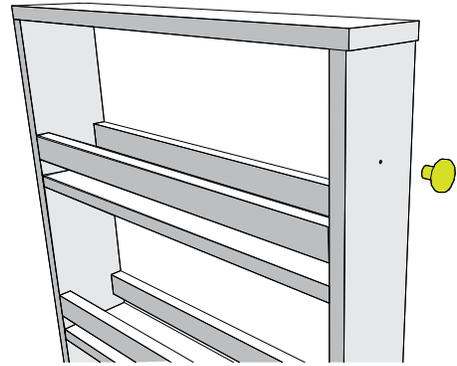


Attach (4) 2" casters to the bottom.



### Step 11

Attach knob to front panel.



**Rougher finish** – Use 60-80 grit sandpaper to hand sand with the grain of the wood.

**Smoother finish** – Use 60-80 grit sandpaper to remove scratches & imperfections.

Followed by using 120-220 grit to smooth.

**Finish Sanding** – Use 320-400 grit sandpaper

**Super fine sanding** – Use 600+ grit sandpaper