



Ice Cream Stand

PROJECT PLANS

Finished Dimensions: 24"W x 51-1/2"H x 18-1/4"D

Skill Level: Beginner

Materials

Item	Qty
1" x 4" x 8' Board*	4
2" x 2" x 8' Board*	2
1/2" x 24" x 48" Plywood Sheet (Sanded)	1
1-1/2" x 18-Gauge Collated Nails	1 Box
Sandpaper** : 150g, 220g & 320g	
Wood Glue	

* 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

or



Circular Saw



Jig Saw



18GA Brad
Nailer



5" Random Orbit
Sander



Tape Measure



5" Orbit Sandpaper

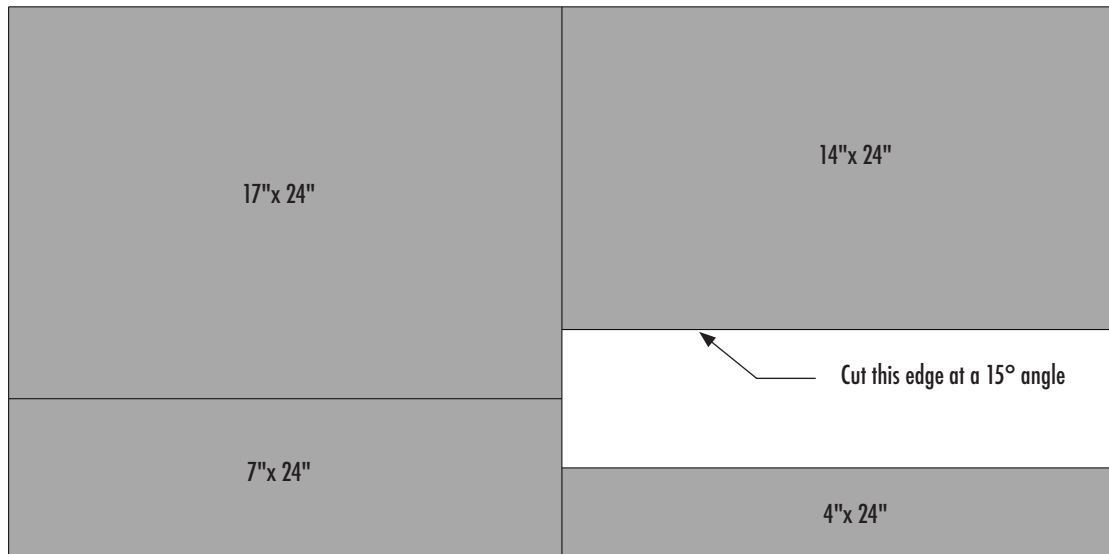
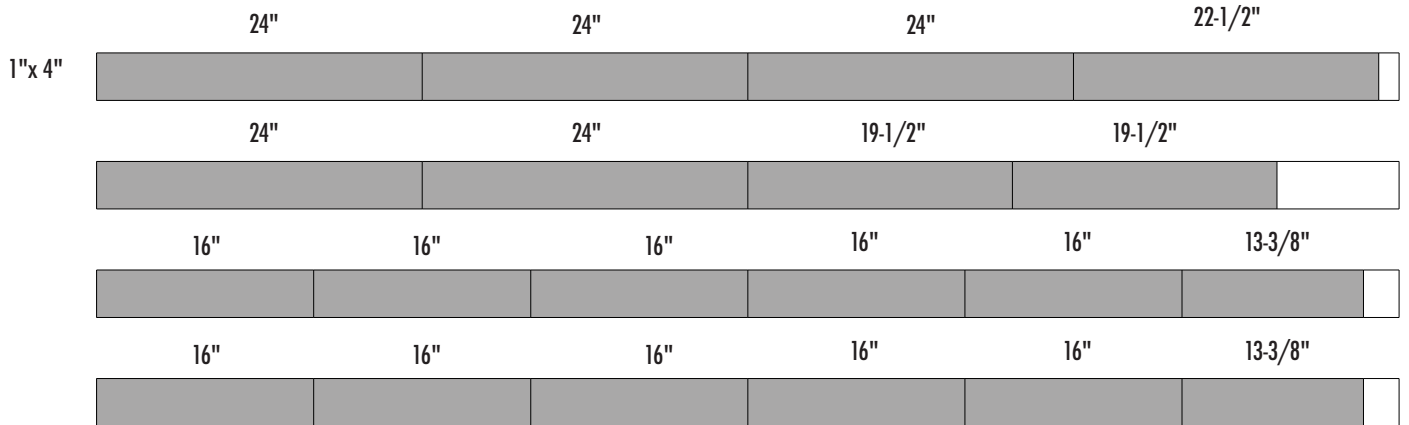
Also Needed: Safety Glasses, Speed Square and Clamps

Lumber Cut List

Board*	Description	Cut to	Qty
1" x 4"	Front Slats	24"	5
1" x 4"	Back Slats	19-1/2"	2
1" x 4"	Side Slats	16"	10
1"x 4"	Bottom Support	22-1/2"	1
1" x 4"	Awning Supports	13-3/8"	2
2" x 2"	Posts	48"	2
2" x 2"	Inner Table supports	19-1/2"	2
17" x 24"	Stand Top		1
7"x 24"	Sign Panel		1
14"x 24"	Awning		1
4"x 24"	Trim		1

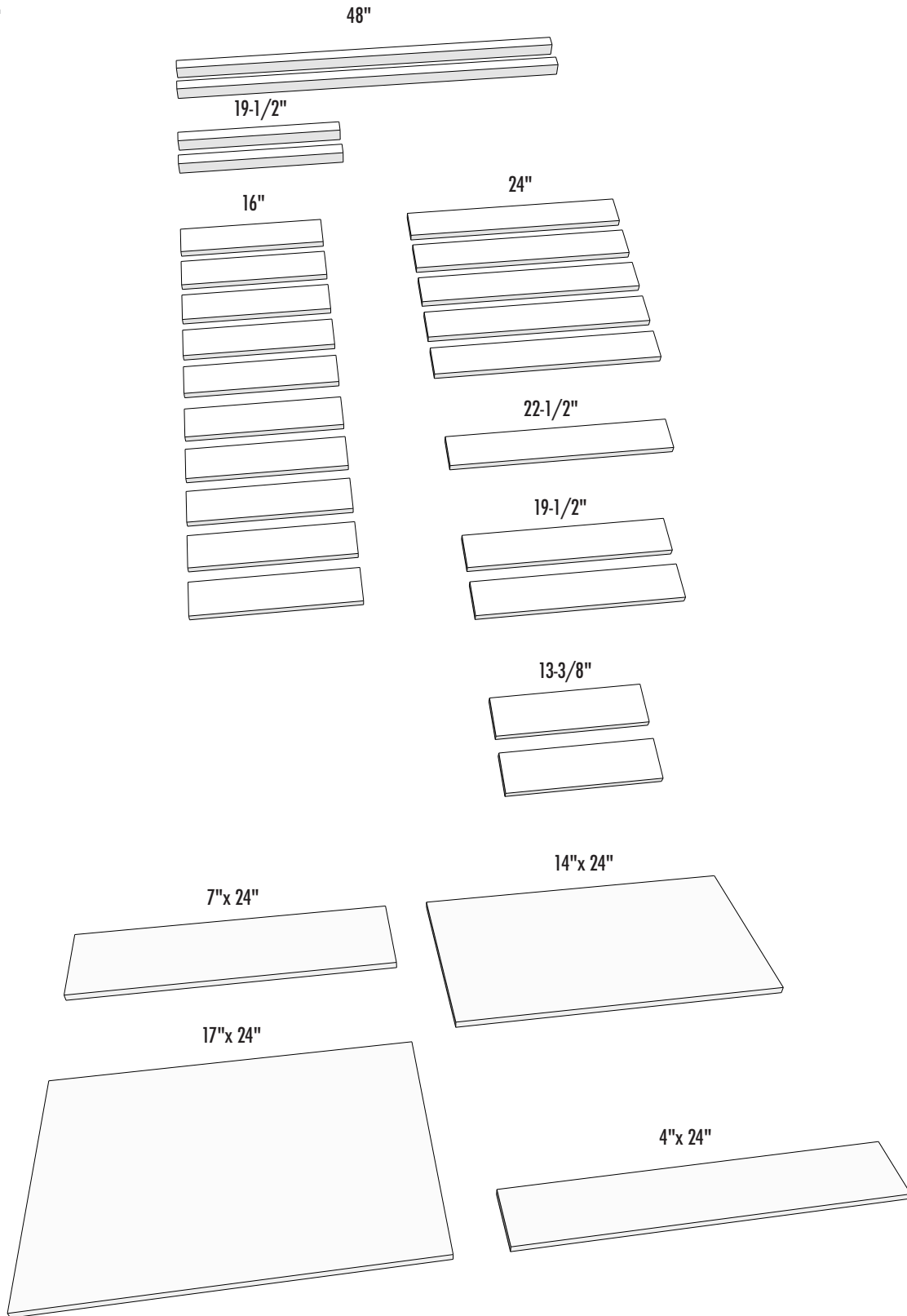
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Lumber & Sheet Layout Guide



Lumber & Sheet Cut Layout Guide

Boards



Assembly Instructions

Step 1



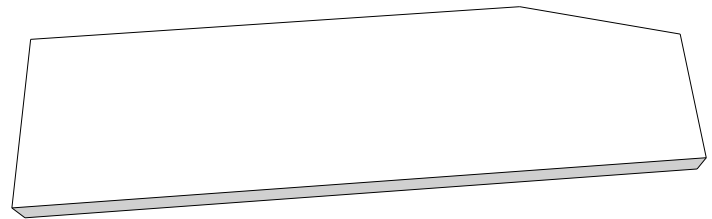
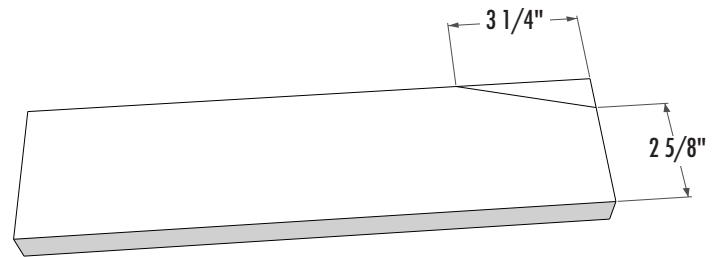
Cut out all material using the Lumber & Sheet Cut Layout Guide.

Some initial sanding can be done after cutting the boards and panels. Sanding pieces prior to building can make the process easier before final assembly. Refer to last page for sanding information.

Step 2



Measure and cut the (2) awning supports with the jig saw.



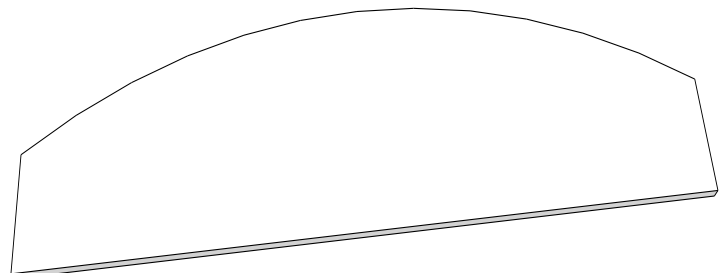
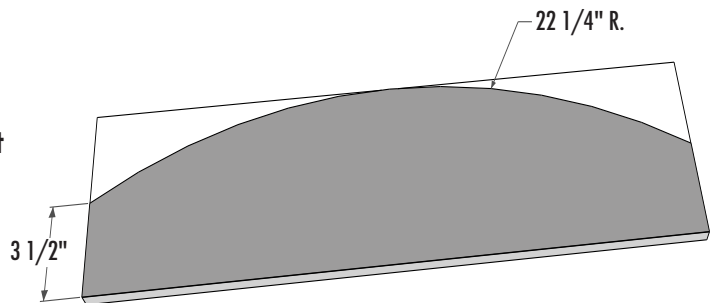
Step 3



Measure 3-1/2" on both sides of the sign panel as shown in the diagram. Then connect the points with a 22-1/4" radius arc.

Cut using a jig saw.

Sand edges smooth.



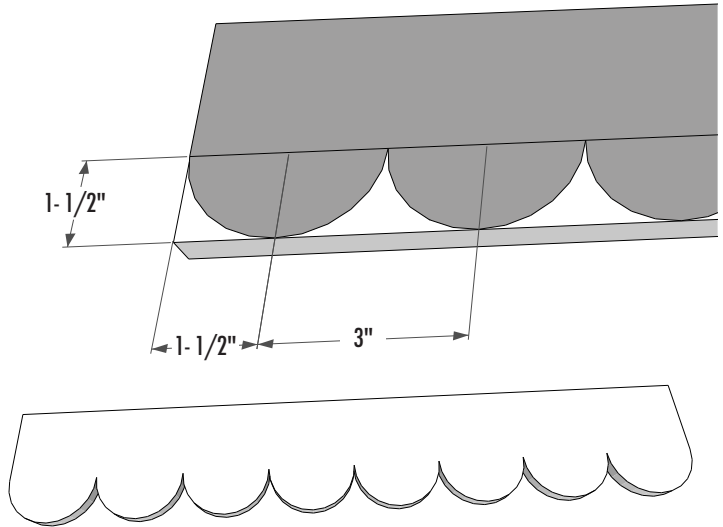
Step 4



Follow the diagram to create half circles on the trim board for the awning.

Cut using a jig saw.

Sand edges smooth.

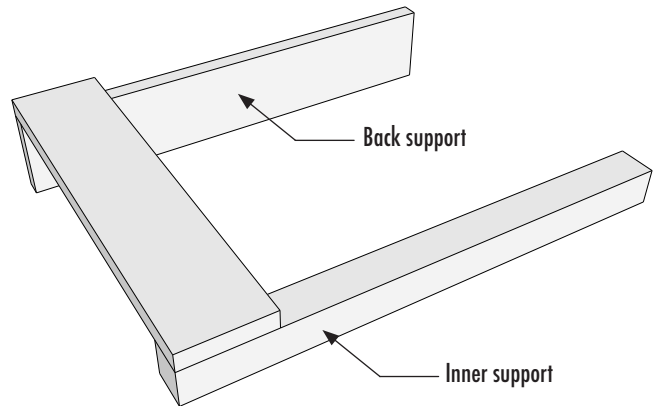


Step 5



Align (1) 16" side slat to (1) 2" x 2" x 19-1/2" inner support and (1) 19-1/2" back support.

Glue and nail together using the 1-1/2" brad nails.

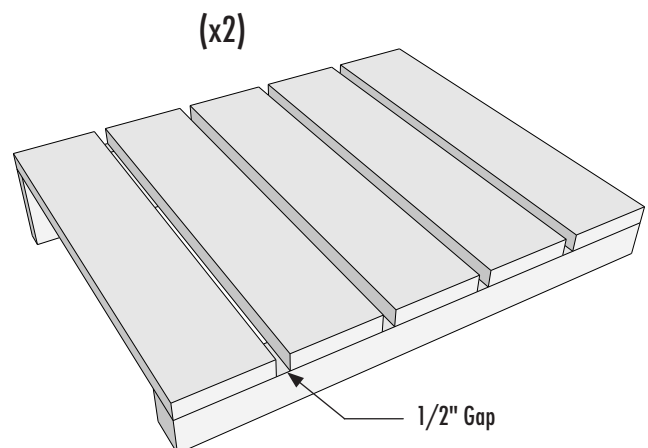


Step 6



Continue adding side slats to fill the supports. Leave a 1/2" gap in between slats.

Repeat Steps 5 & 6 to build a second set.



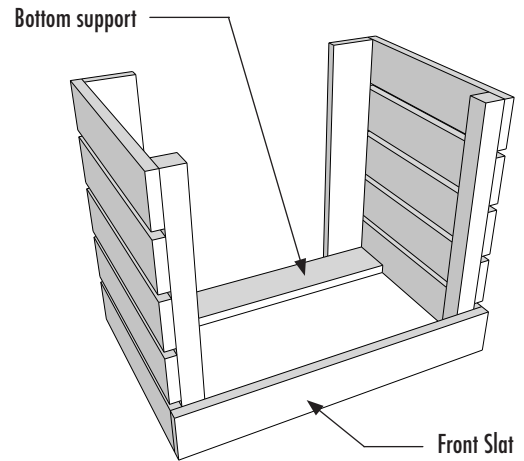
Step 7



Stand both sides up as shown in the diagram. Align a 24" front slat to the front.

Attach with glue and 1-1/2" brad nails.

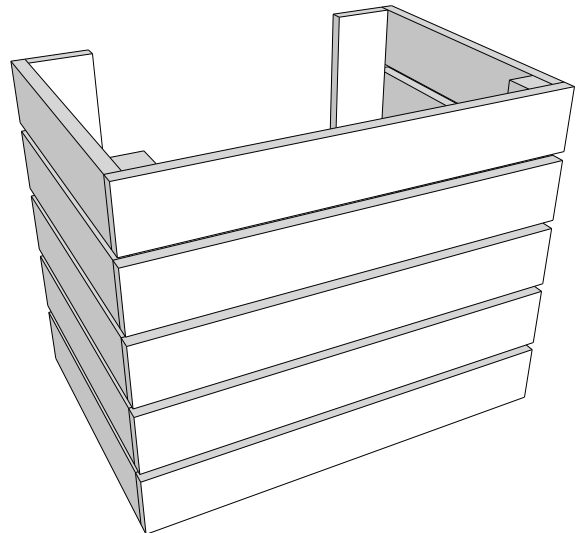
Align a 22-1/2" bottom support to the inside of the backside. Glue and nail together.



Step 8



Continue adding the front slats to the table base assembly.

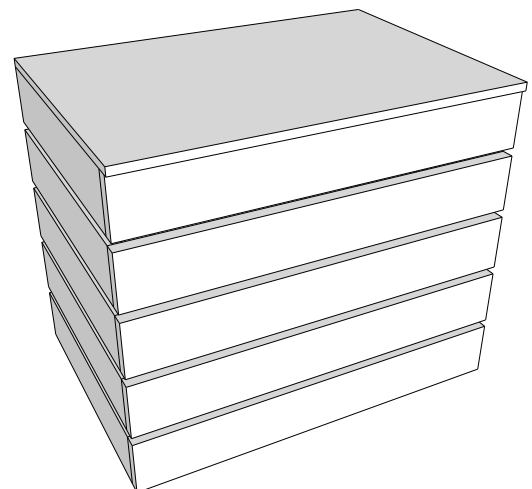


Step 9



Align the tabletop to the table base.

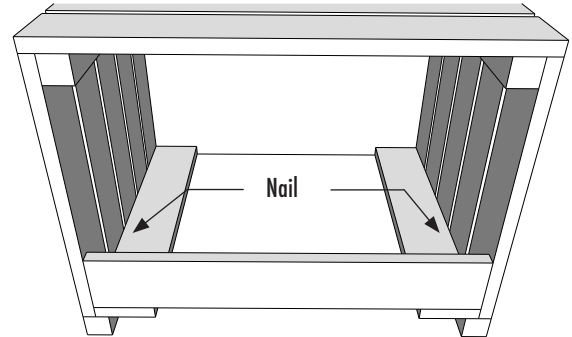
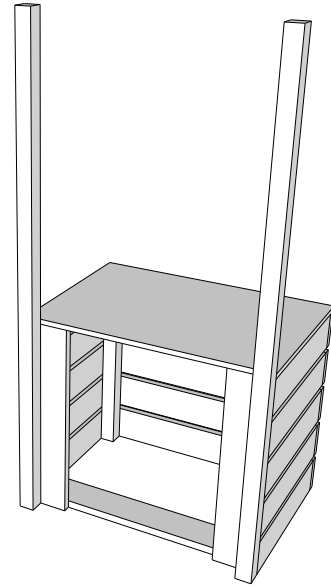
Attach with glue and nail together.



Step 10

Align the 48" post to the back of the table assembly.

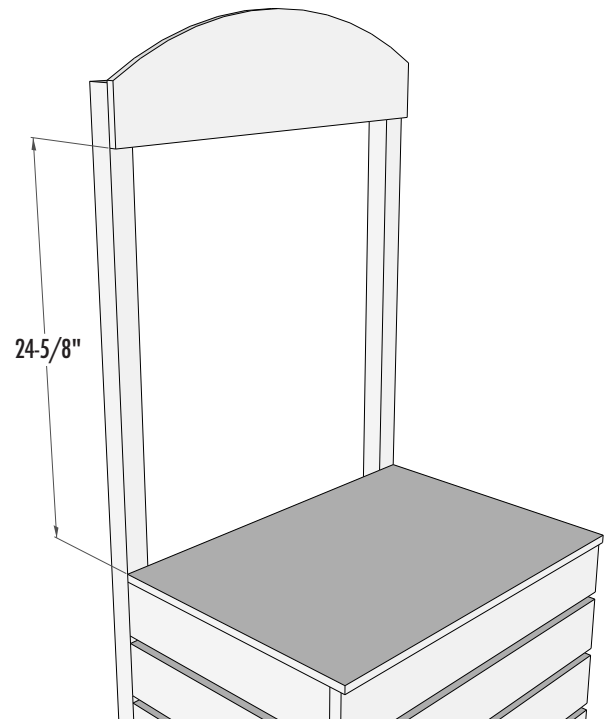
Glue and nail together for the inside of the back support boards.

**Step 11**

Measure 24-5/8" from the tabletop and mark on each post.

Align the sign panel to the marks.

Glue and nail together.

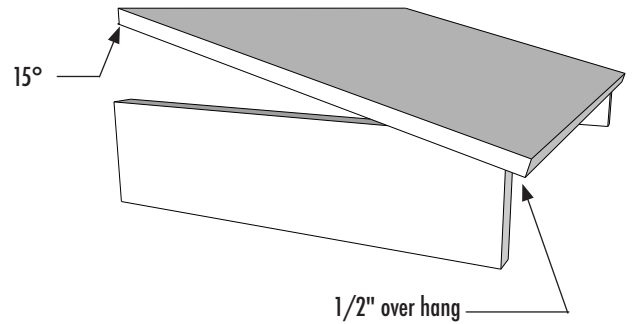


Step 12



Align the awning to fit on the angled cuts of the awning support boards. Allow the panel to overhang by 1/2".

Attach with glue and brad nails.

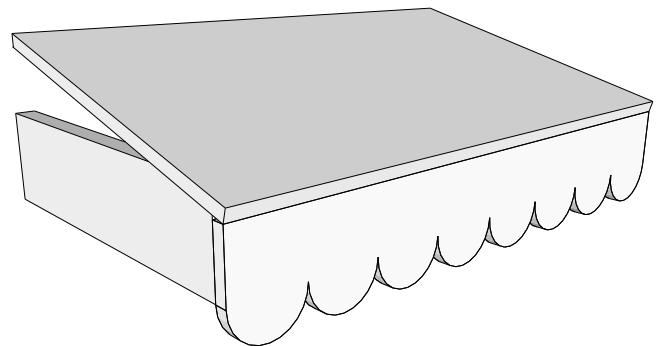


Step 13



Attach the scalloped board to the front of the awning. It should fit under the 1/2" overhang.

Attach with glue and brad nails.

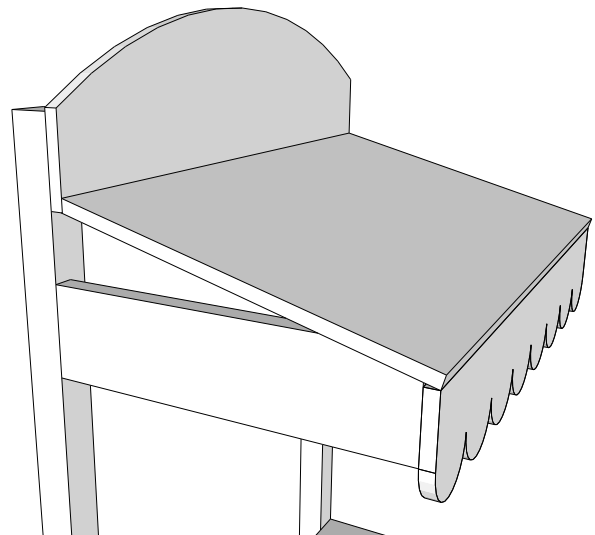


Step 14



Align the awning assembly to the posts and sign panel.

Attach with glue and brad nails.

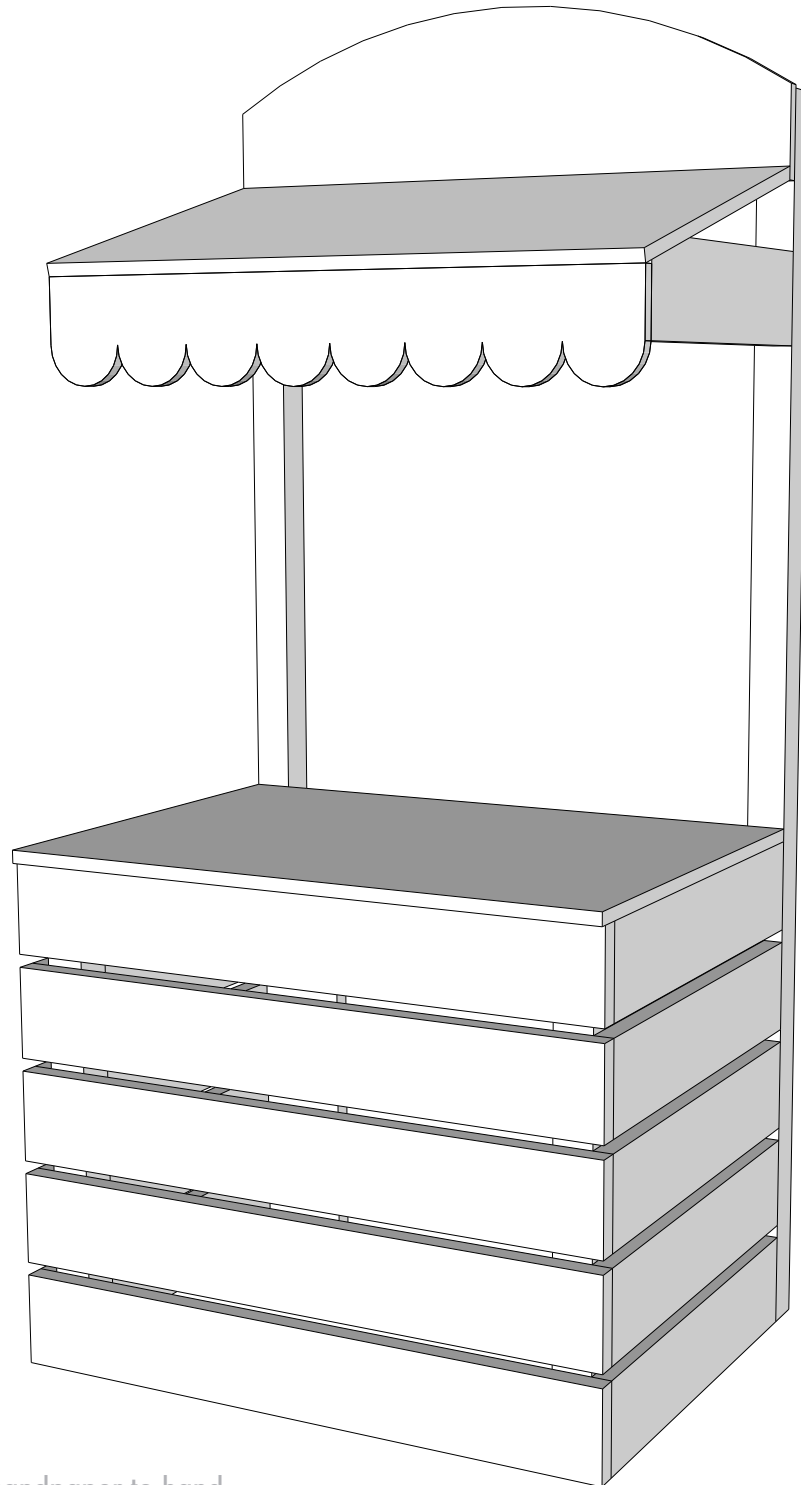


Step 15



Sand as needed and paint as desired.

Project complete!



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