



Engraved Dog Dish Stand

PROJECT PLANS

Finished Dimensions: 16"W x 4-3/4"H x 9-1/4"D

Skill Level: Beginner

Materials

Item	Qty
1" x 2"x 48" Board*	1
1" x 10"x 16" Board*	1
1-1/2"x 18-Gauge Collated Brad Nails	1 box
6"- 32 Oz. Stainless Steel Bowl	2
Sandpaper** : 150g, 220g & 320g	
Drill Bits: 3/8"	
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 fi st.

R 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.

R 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



Drill/Driver



18GA. Brad Nailer



5" Random Orbit
Sander



Rotary Tool



Tape Measure



Drill Bits



5" Orbit Sandpaper

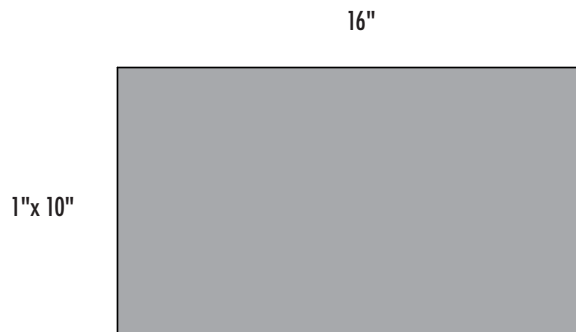
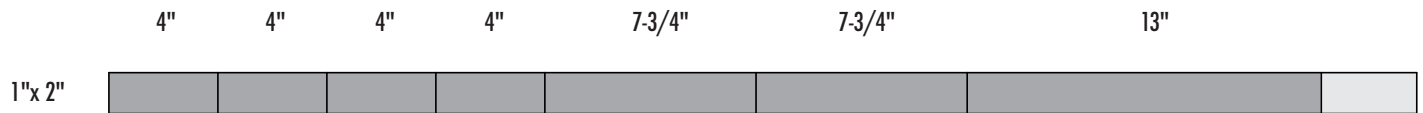
Also Needed: Safety Glasses, Drafting Compass and Clamps

Lumber Cut List

Board *	Description	Cut to	Qty
1" x 2"	Legs	4"	4
1" x 2"	Side Stretchers	7-3/4"	2
1" x 2"	Middle Stretcher	13"	1
1" x 10"	Table Top	16"	1

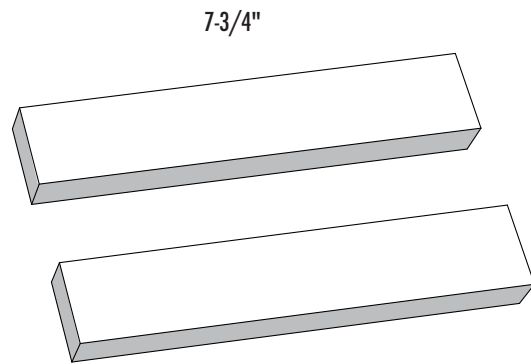
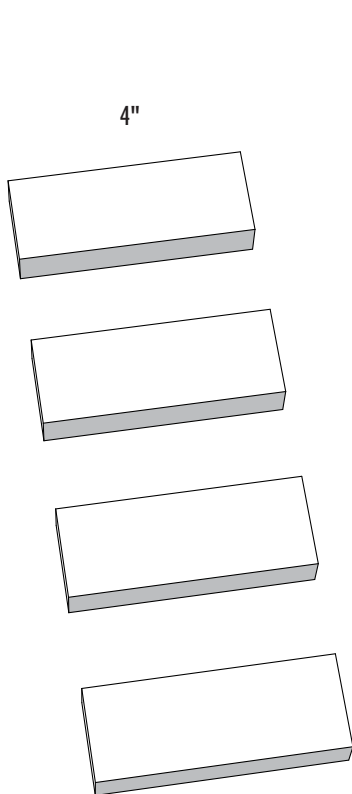
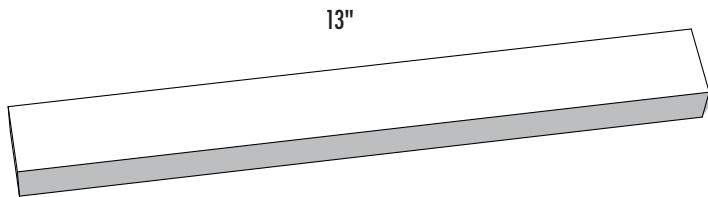
*Board Dimensions are "nominal". Actual dimensions are smaller due to lumber industry standards. Cuts are actual length.

Lumber & Sheet Layout Guide



Lumber & Sheet Cut Layout Guide

Boards



Assembly Instructions

Step 1



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

Step 2

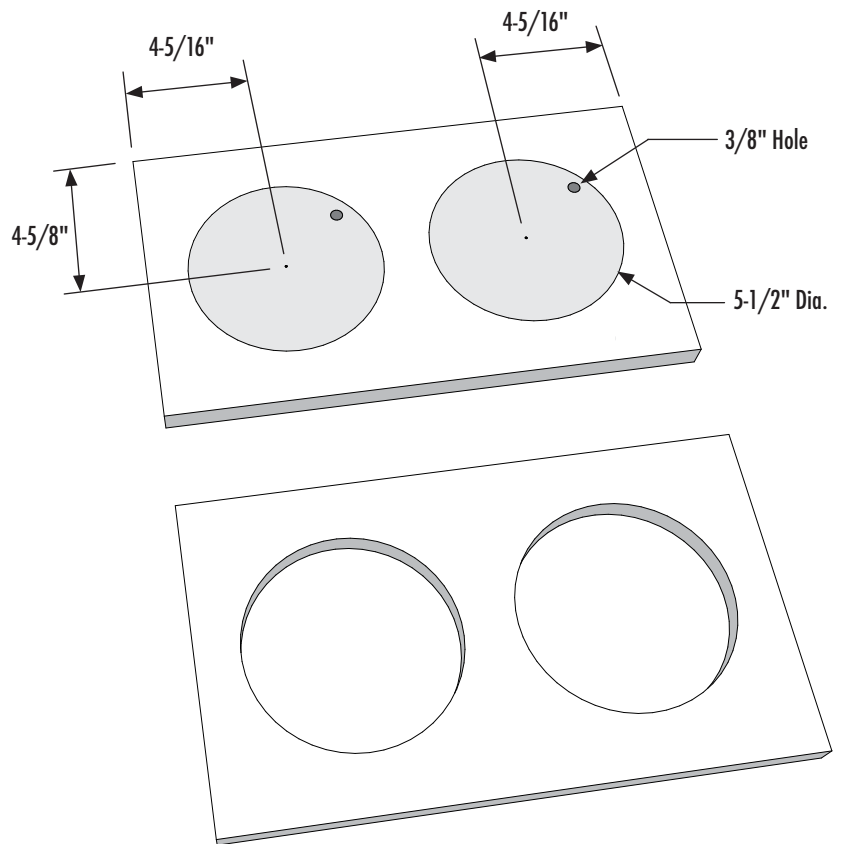


Use the diagram to mark the location of the center of the circles to be cut out. These circles will hold the (2) bowls.

Use a drafting compass to draw (2) circles that are 5-1/2" in diameter.

Drill a 3/8" hole within each circle for the jig saw blade to pass through.

Use a jig saw to cut out the (2) 5-1/2" circles.

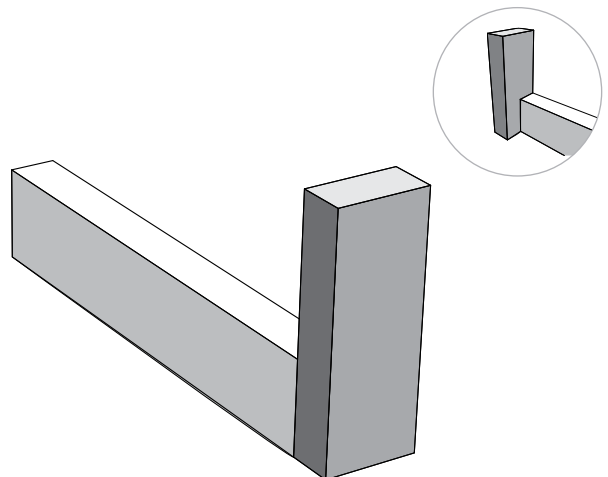


Step 3



Align (1) 4" leg to the 7-3/4" side stretcher as shown in the diagram.

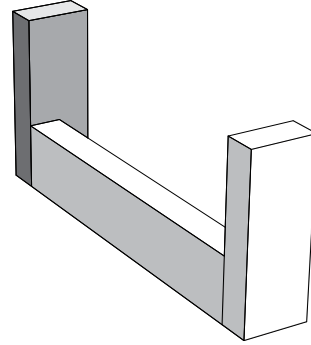
Glue and nail together with a brad nailer.



Step 4



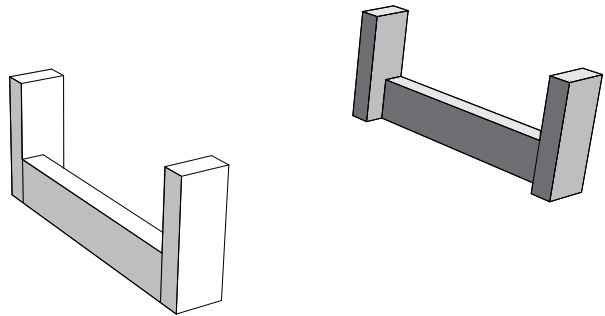
Attach another 4" leg to the other side of the assembly using the same method.



Step 5



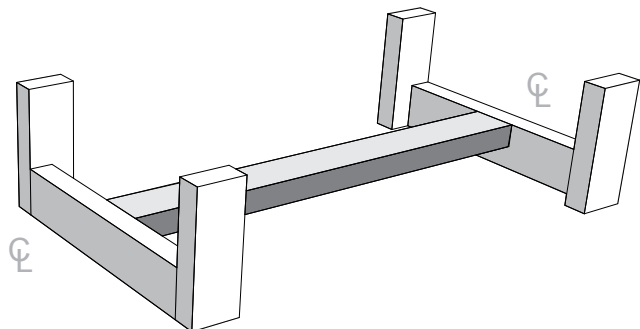
Repeat Steps 3 & 4 to build the second set of legs.



Step 6



Find and mark the center line (CL) of both legs. Then find and mark the center line (CL) of the middle stretcher. Align, then glue them together and use a brad nailer to attach both ends.

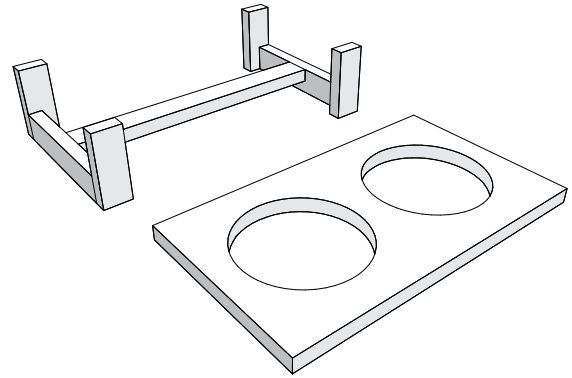


Step 7



Sand the leg stand and tabletop. Follow the sanding recommendations on Page 8.

Paint or stain both pieces as desired.



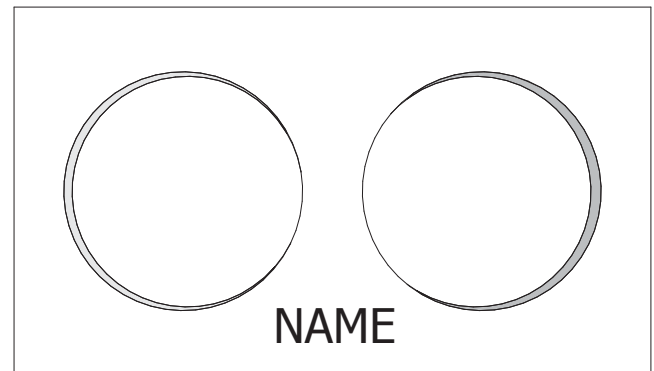
Step 8



Next, create a template by writing your pet's name with a marker on a piece of paper. Align the template to the location where you want to engrave your pet's name.

Place a sheet of graphite paper on top of the regular paper and transfer the design using a marker.

Use the rotary tool to engrave the name into the table.

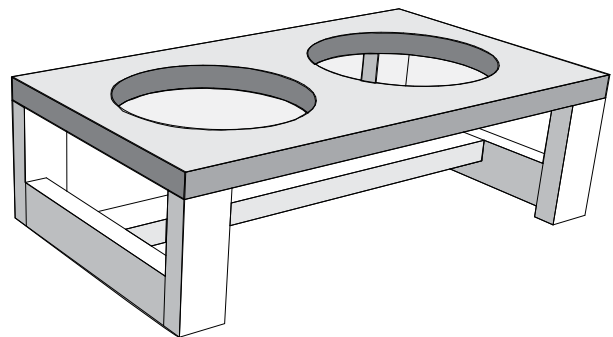


Step 9



Attach the top to the legs with glue and brad nails.

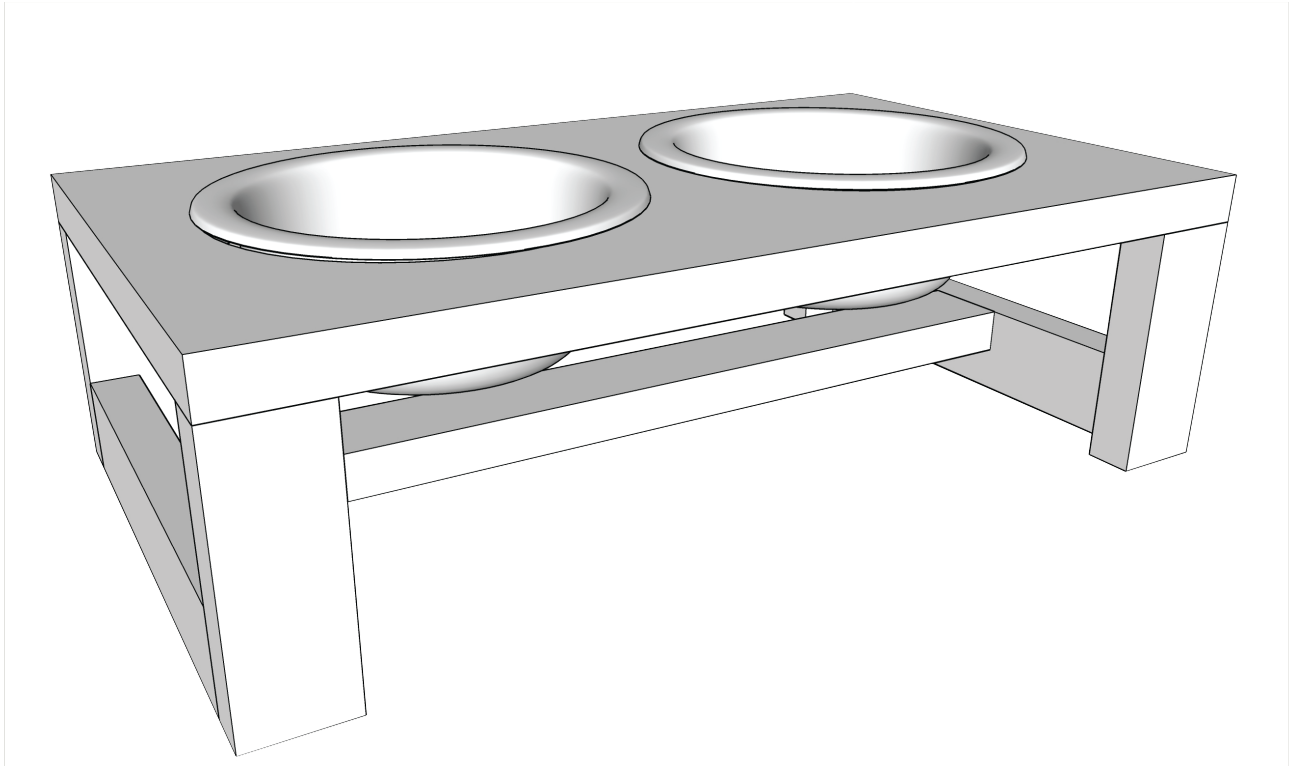
Finish by putting a few coats of clear sealer over the entire table.



Step 10

Place the two bowls into the tabletop once it has dried.

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