

MATERIALS

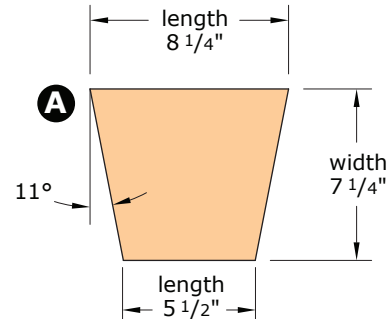
1 x 8 x 6' pine (1) - arch
1 x 8 x 8' pine (1) - arch
1 x 4 x 6' pine (6) - legs
1 x 4 x 5' pine (2) - box - sides
1 x 4 x 6' pine (1) - box - bottom & bottom frame
1 x 10 x 5' pine (2) - box - sides
1 x 10 x 4' pine (1) - box - bottom
1 x 2 x 6' pine (1) - box - bottom frame
18' fingerjoint pine trim
3/4" x 8' hardwood dowel (3) 2624-465
3/8" x 4' hardwood dowel (8) 2624-445
3" casters (4) 2325-086
#8 x 1 1/2" stainless steel screws (3 packages) 2165-418
1 1/4" x 16 gauge finishing nails (1 package) 2134-069
glue - Titebond III 2020-012 or equivalent outdoor glue
Wood Shield Best Acrylic Stain (Ebony) WSC43-9

PARTS

A arch pieces - (22) 1 x 8 pine (see drawing)
B legs - inner layers - (2) 1 x 4 x 56 3/4" pine
C legs - outer layers - (4) 1 x 4 x 71 3/4" pine
D vertical dowels - (3) 3/4" x 73 3/4" long (confirm dimensions on-site)
E horizontal dowels - (8) 3/8" dowels x 34 1/2" long
F side panels (top boards) box - (2) 1 x 4 x 12"
G side panels (bottom boards) box - (2) 1 x 10 x 12"
H front & back panels (top boards) box - (2) 1 x 4 x 42"
I front & back panels (bottom boards) box - (2) 1 x 10 x 42"
J bottom panel - box - (1) 1 x 4 x 42 1/2" (confirm dimensions on-site)
K bottom panel - box - (1) 1 x 10 x 42 1/2" (confirm dimensions on-site)
L bottom frame (sides) box - (2) 1 x 4 x 10 1/2"
M bottom frame (back and front) box - (2) 1 x 2 x 35"
N trim - box - (12) cut to fit

ARCH PIECES

22 required



NOTE:

To make a narrower arch assembly, decrease the length dimensions of each piece.

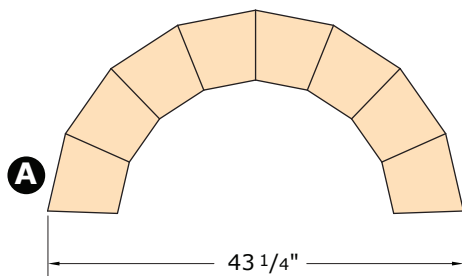
To make a wider arch assembly, increase the length dimensions of each piece.

ARCH

The top arch assembly will be made out of 3 layers of the "A" pieces.

STEP 1:

Lay out 8 pieces on a flat surface and glue the edges together.

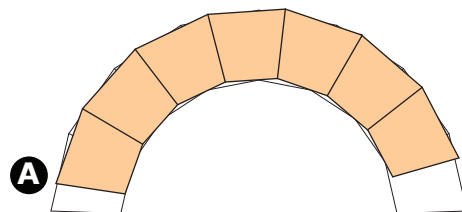


STEP 2:

Now place another layer of 7 pieces on top of the 1st layer but offset the seams by approx one 3rd.

STEP 3:

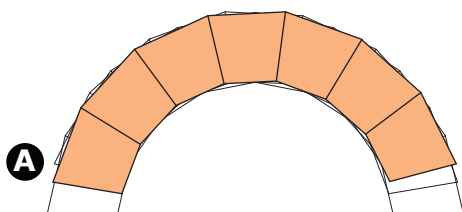
Glue the edges together and glue these pieces to the 1st layer.



STEP 4:

Once the assembly has completely dried, flip it over and glue another layer of 7 pieces onto the assembly.

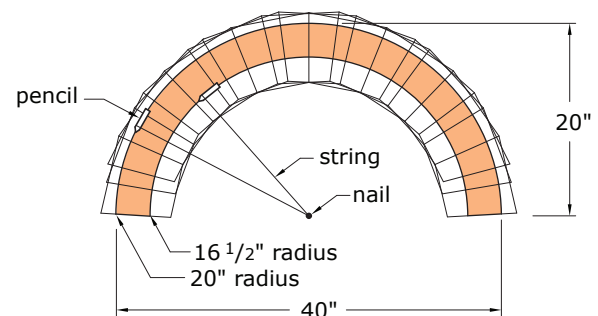
Offset the seams from the other 2 layers so that none of the seams match. This will increase the overall strength of the assembly.

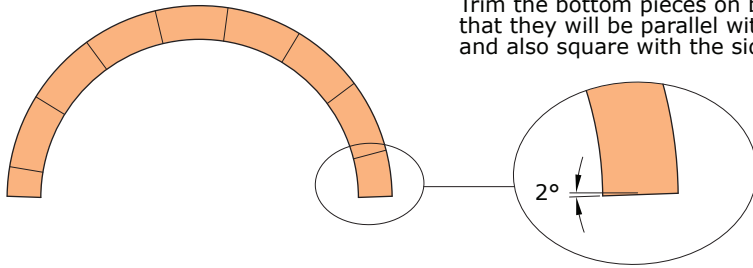


STEP 5:

Using a string, scribe a 20" radius and a 16 1/2" radius onto the arch assembly.

Cut out the arch and sand the curved edges smooth.



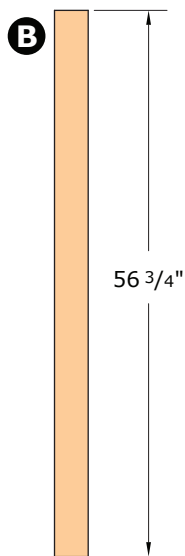


STEP 6:
Trim the bottom pieces on both sides so that they will be parallel with each other and also square with the side legs.

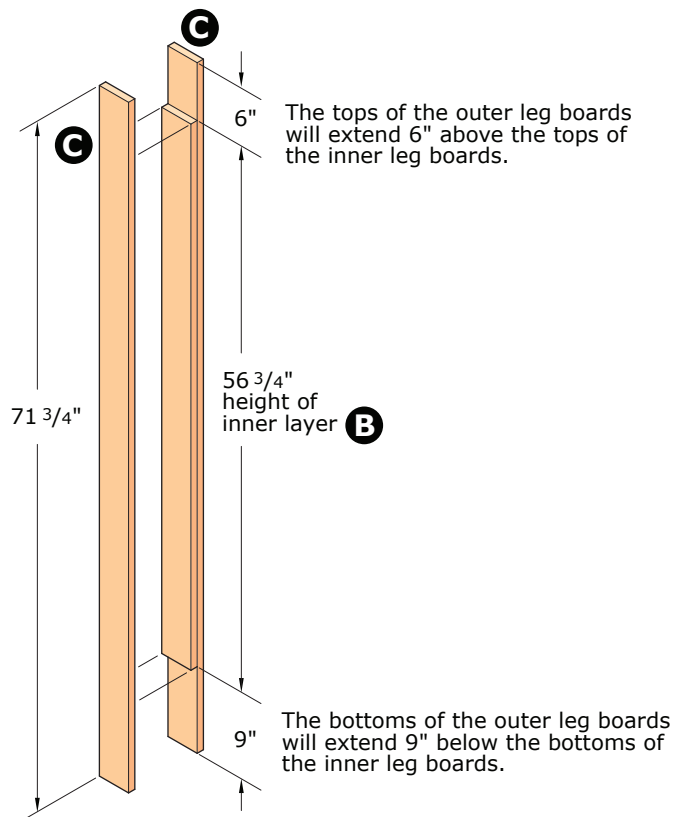
LEGS & LATTICE ASSEMBLY

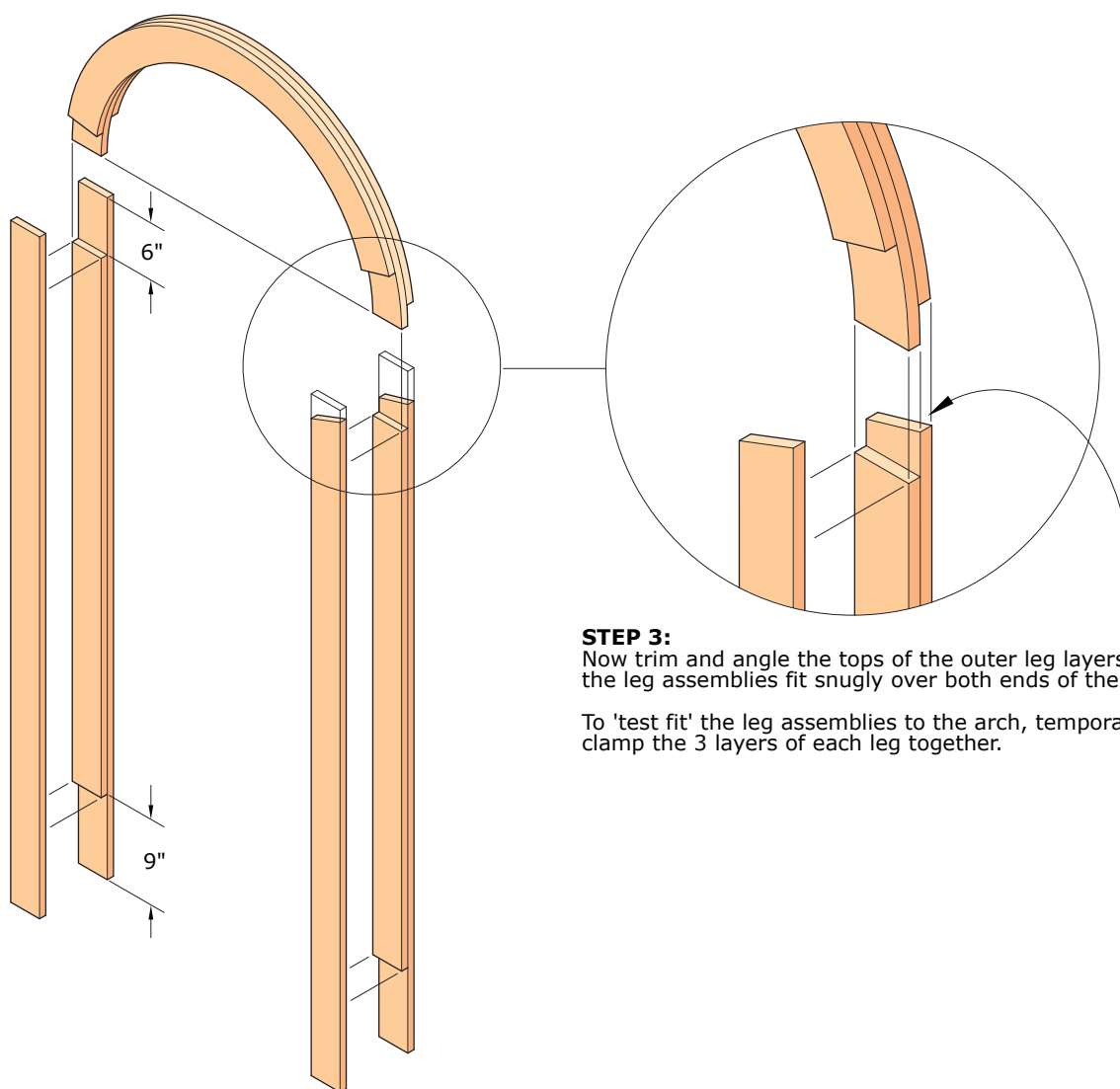
The side leg assemblies will be made out of 3 layers of 1 x 4 pine boards, staggered at the top and bottom and then glued together.

STEP 1:
From a 1 x 4 board, cut the inner layer of both legs to $56\frac{3}{4}$ " long.



STEP 2:
From 1 x 4 boards, cut the outer layers of each leg to $71\frac{3}{4}$ " long.



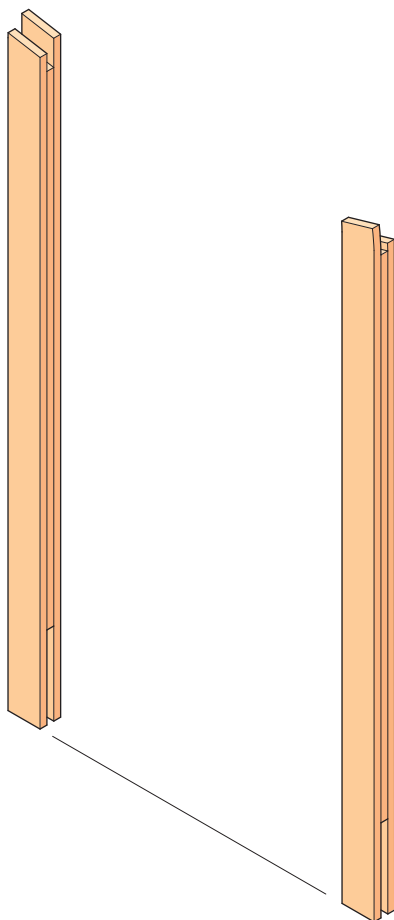


STEP 3:

Now trim and angle the tops of the outer leg layers until the leg assemblies fit snugly over both ends of the arch.

To 'test fit' the leg assemblies to the arch, temporarily clamp the 3 layers of each leg together.

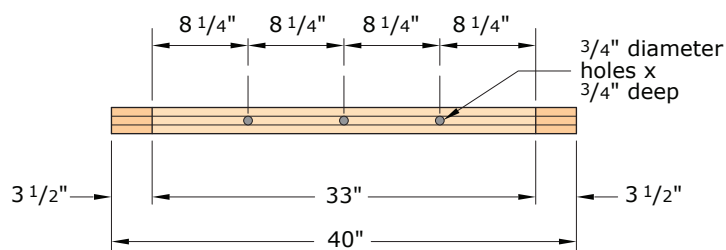
STEP 4:
Now glue and clamp the 3 layers of each leg together.



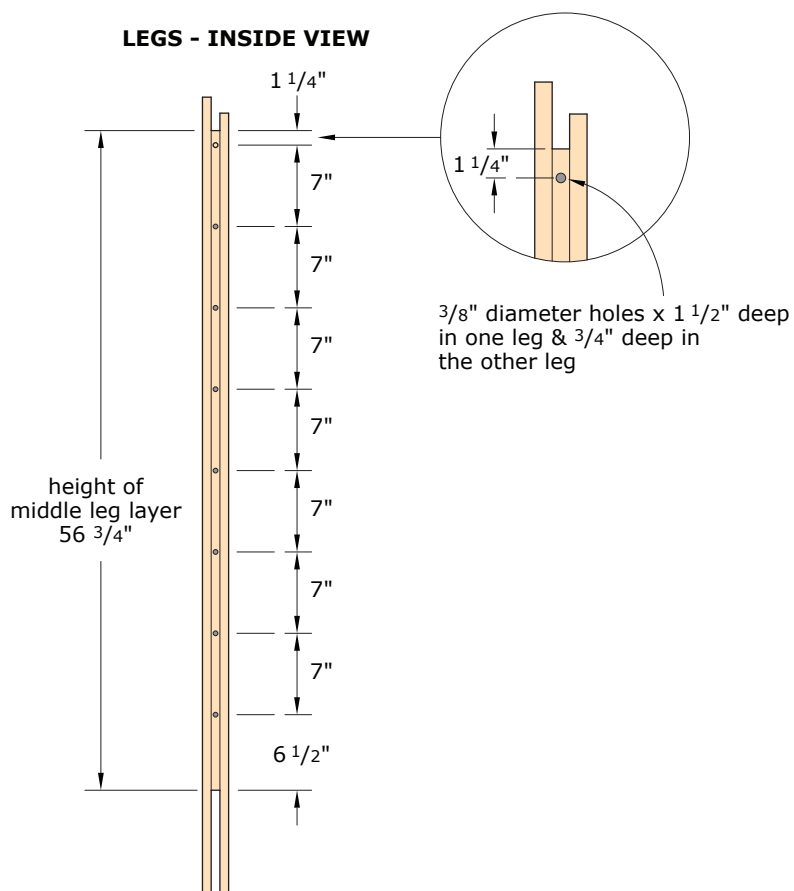
STEP 5:
Drill three $\frac{3}{4}$ " diameter x $\frac{3}{4}$ " deep holes into the underside of the arch for the three $\frac{3}{4}$ " dowels.

Drill eight $\frac{3}{8}$ " diameter holes into the insides of each leg for the $\frac{3}{8}$ " dowels. Drill the holes $1\frac{1}{2}$ " deep in one leg and $\frac{3}{4}$ " deep in the other leg.

ARCH - BOTTOM VIEW



LEGS - INSIDE VIEW

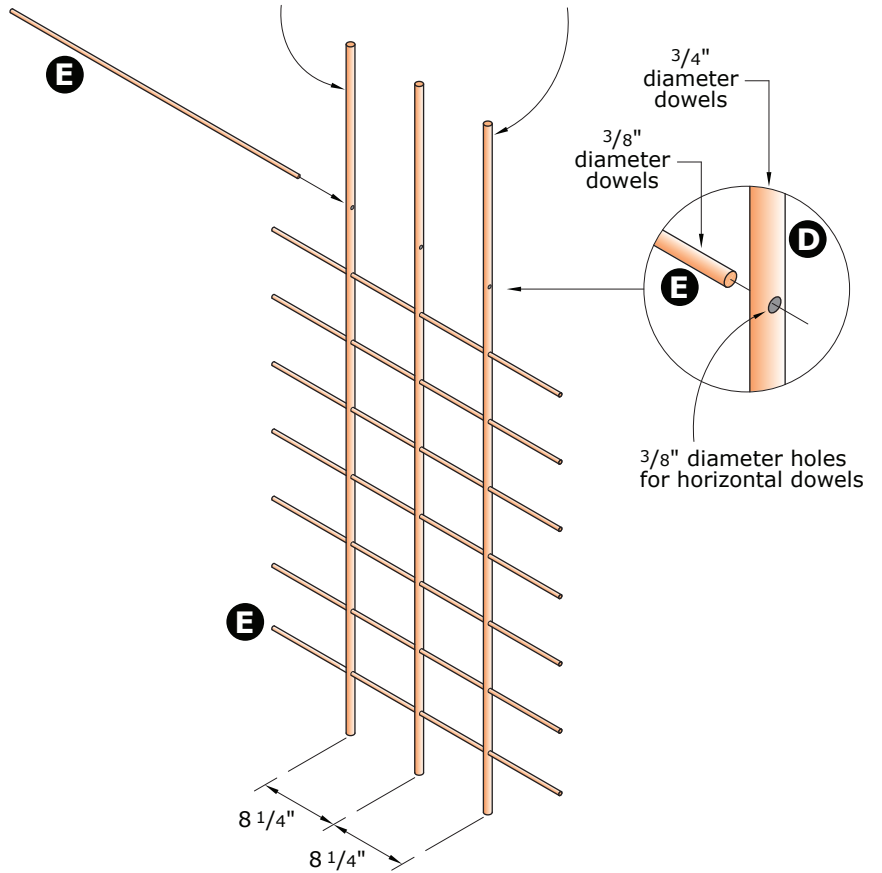
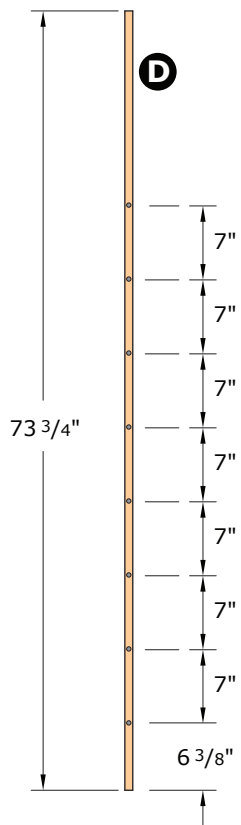


STEP 6:

Drill eight $\frac{3}{8}$ " diameter holes through the sides of each $\frac{3}{4}$ " dowel for the horizontal $\frac{3}{8}$ " dowels. Assemble the dowels for the latticework. Do not glue the dowels together.

The two outside $\frac{3}{4}$ " dowels will have to be trimmed down. On a flat surface, temporarily assemble the lattice to the legs and lay the arch on top of the structure to determine how much to trim off of the two outside dowels.

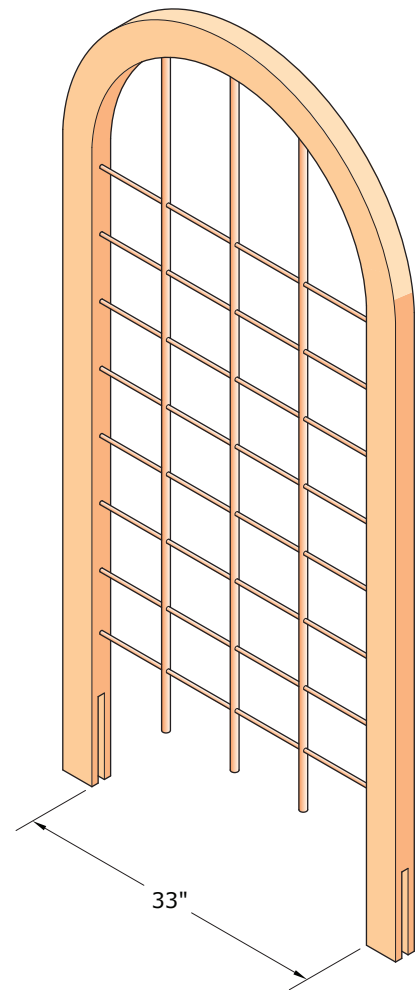
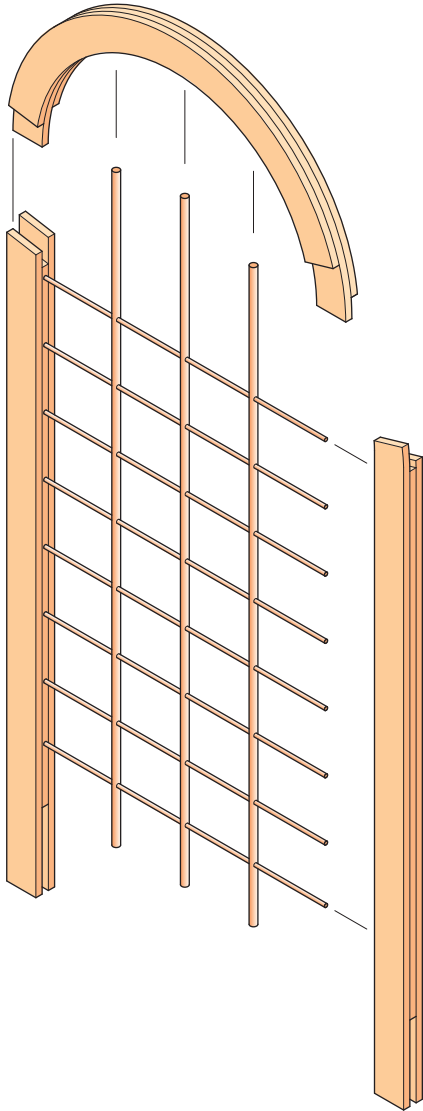
$\frac{3}{4}$ " DOWELS - SIDE VIEW



LEGS, LATTICE & ARCH ASSEMBLY

On a flat surface, assemble the legs, latticework and arch with glue and clamps. First push the dowels into the leg with the 1 1/2" deep holes and then push the dowels back into the 3/4" holes.

Position the bottoms of the legs against a wall and make sure the assembly is square.

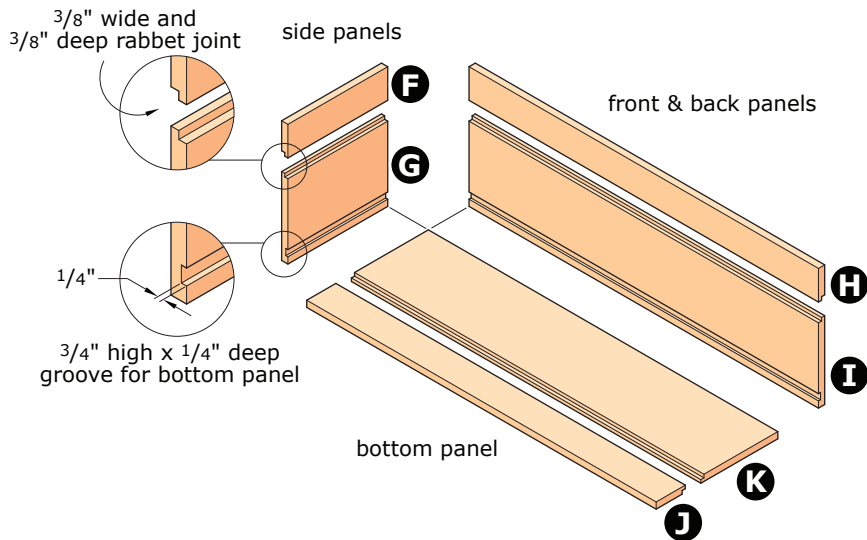


PLANTER BOX

STEP 1:

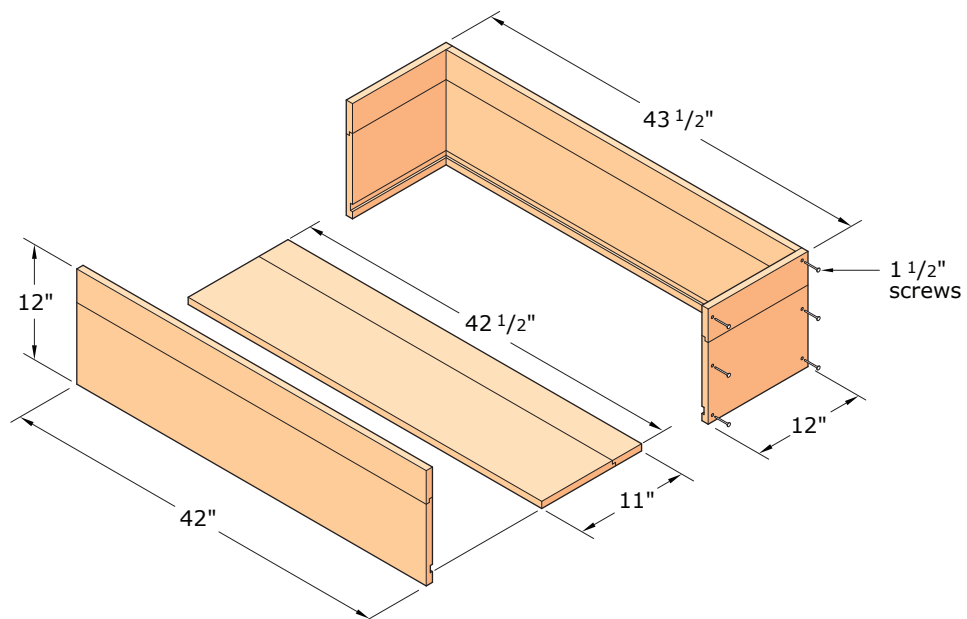
Make all the side panels and the bottom panel from 1 x 4 and 1 x 10 boards glued together with rabbet joints. When the panels have dried, cut them to finished size.

Cut a 1/4" deep groove into all the side panels to accept the bottom panel.



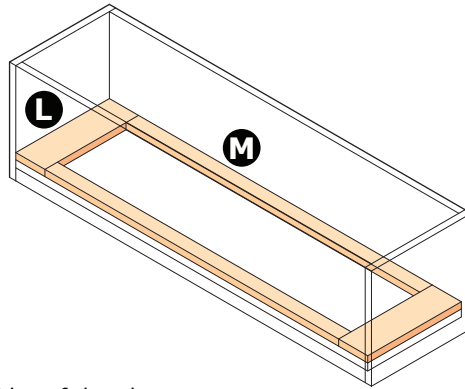
STEP 2:

Assemble the sides and bottom of the planter box with glue and 1 1/2" screws.



STEP 3:

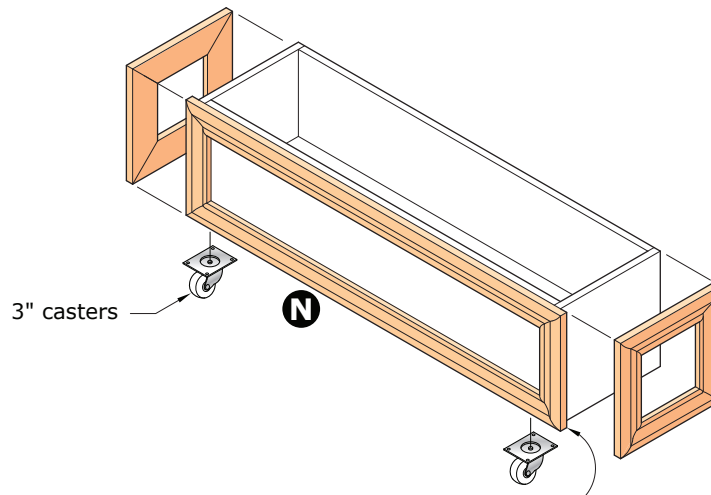
Add a frame on top of the bottom panel to provide extra structure and also support for the casters.



STEP 4:

Add trim to the front and sides of the planter. Fasten with finishing nails and glue.

Screw 4 casters to the bottom corners of the planter box.



Extend the front panel trim on both sides by the thickness of the trim so that it will overlap the side panel trim.

FINAL ASSEMBLY

Position the slots in the legs over the back panel of the planter box.

