



SIMPLE WOODWORKING: NICHE STOOL

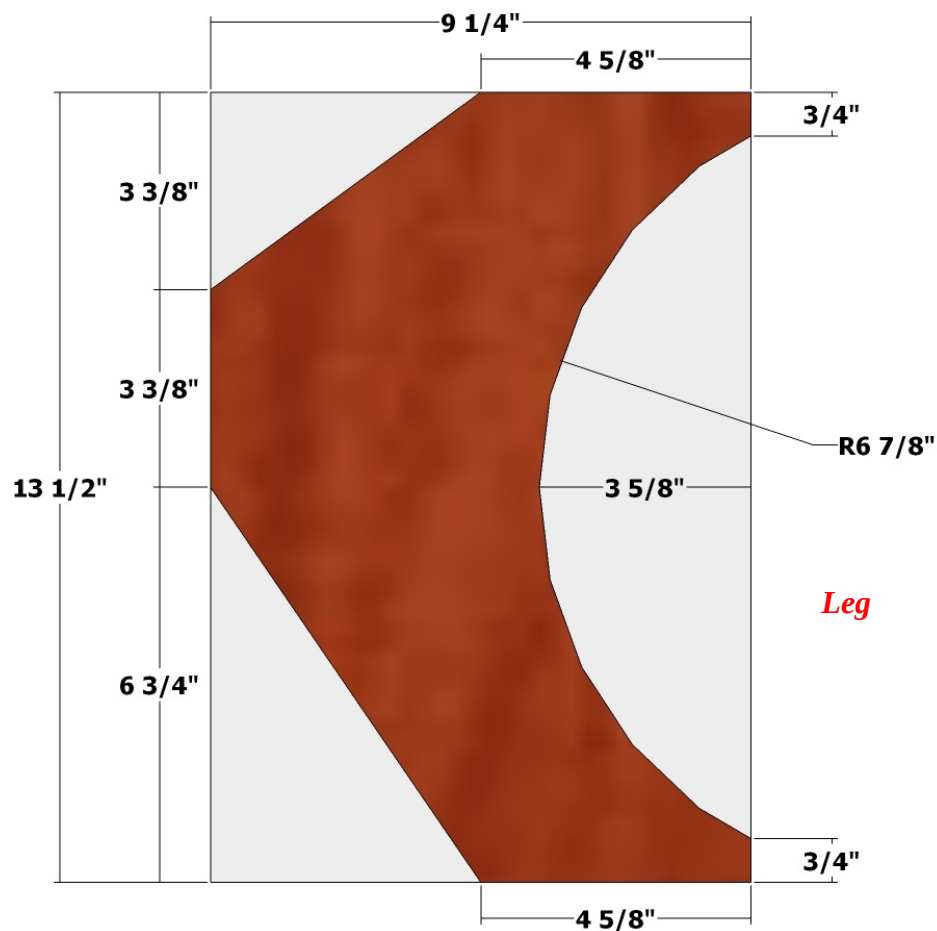


PARTS

Legs (8) - $\frac{3}{4}$ x 11 $\frac{1}{4}$ x 13 $\frac{1}{2}$
 Beam (2) - $\frac{3}{4}$ x 9 $\frac{3}{4}$ x 6 $\frac{3}{4}$
 Rails (4) - $\frac{3}{4}$ x 1 $\frac{1}{2}$ x 6 $\frac{3}{4}$
 Top (2) - $\frac{3}{4}$ x 11 $\frac{1}{4}$ x 24

LUMBER

3 - 1 x 12 x 6

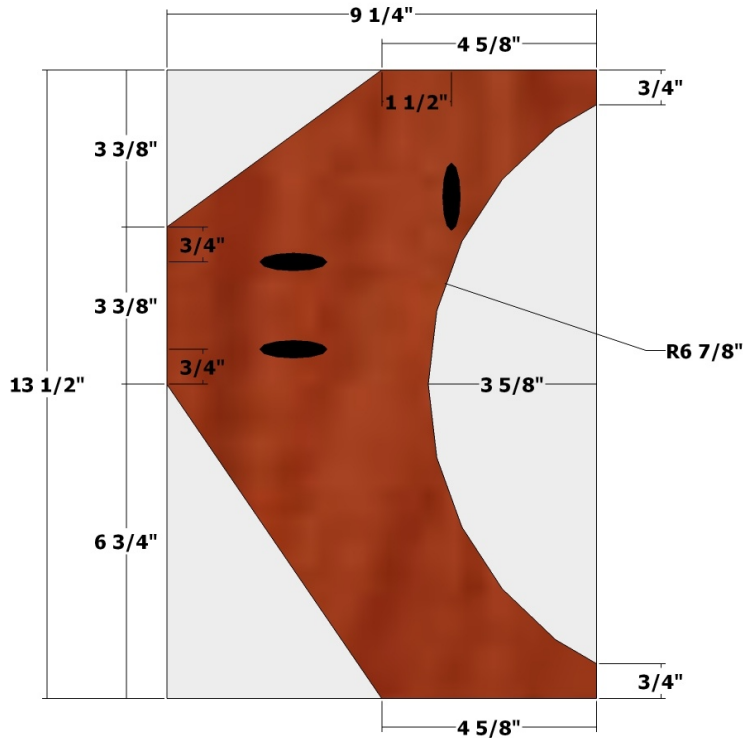


LEFT: Use the layout as a guide to cut the Legs to size and shape.

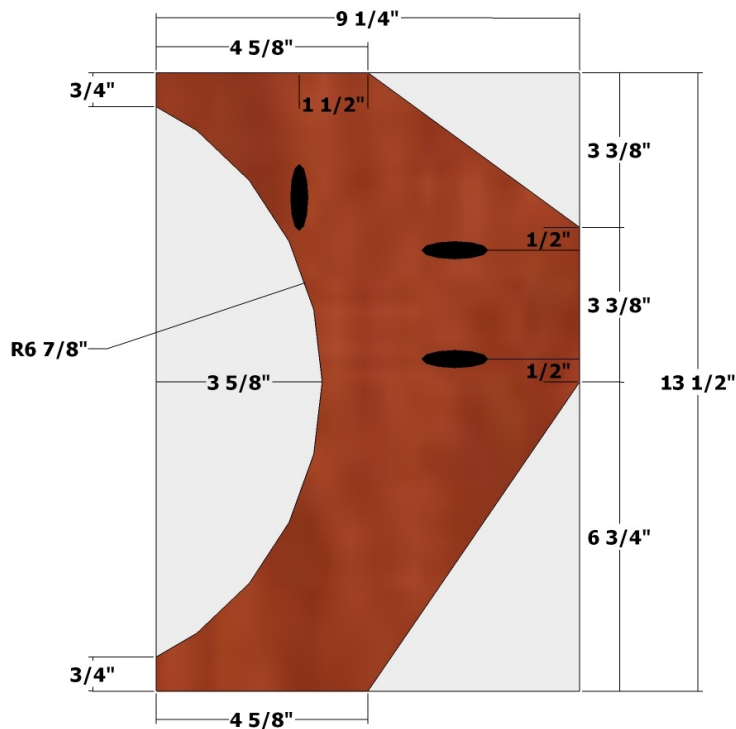
BELOW: Laminate two Leg parts to create the Leg Assemblies (four total). Apply glue to the mating surfaces and clamp in place until the glue sets.

Note: All parts in this project are made by laminating two identical parts. You can either cut the parts to shape individually or after they are laminated. When laminating the parts, be sure to sand smoothly all curves, ends and sides.

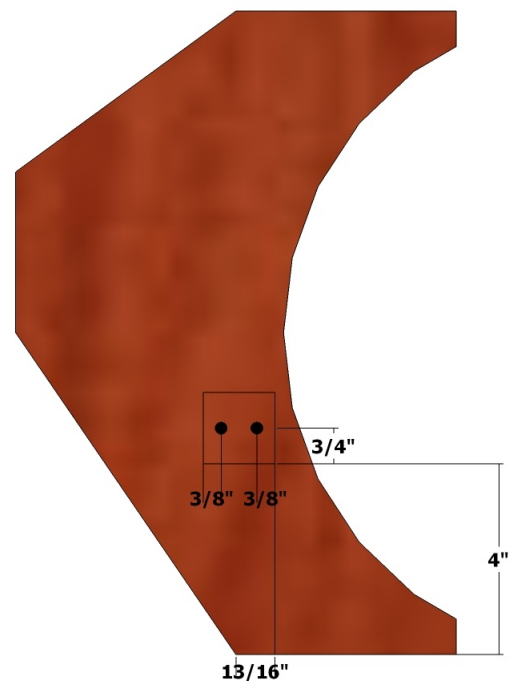


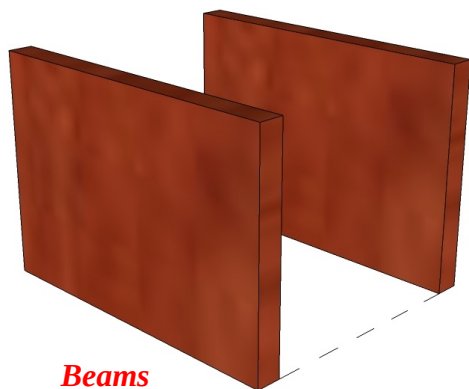


Use the guides at top left and bottom left for drilling pocket holes in the leg assemblies. Create two of each. **Be sure to set your Kreg Jig and bit for 1 1/2" stock.**



Use the layout below for drilling pilot holes for 3" wood screws for attaching the Rails later.

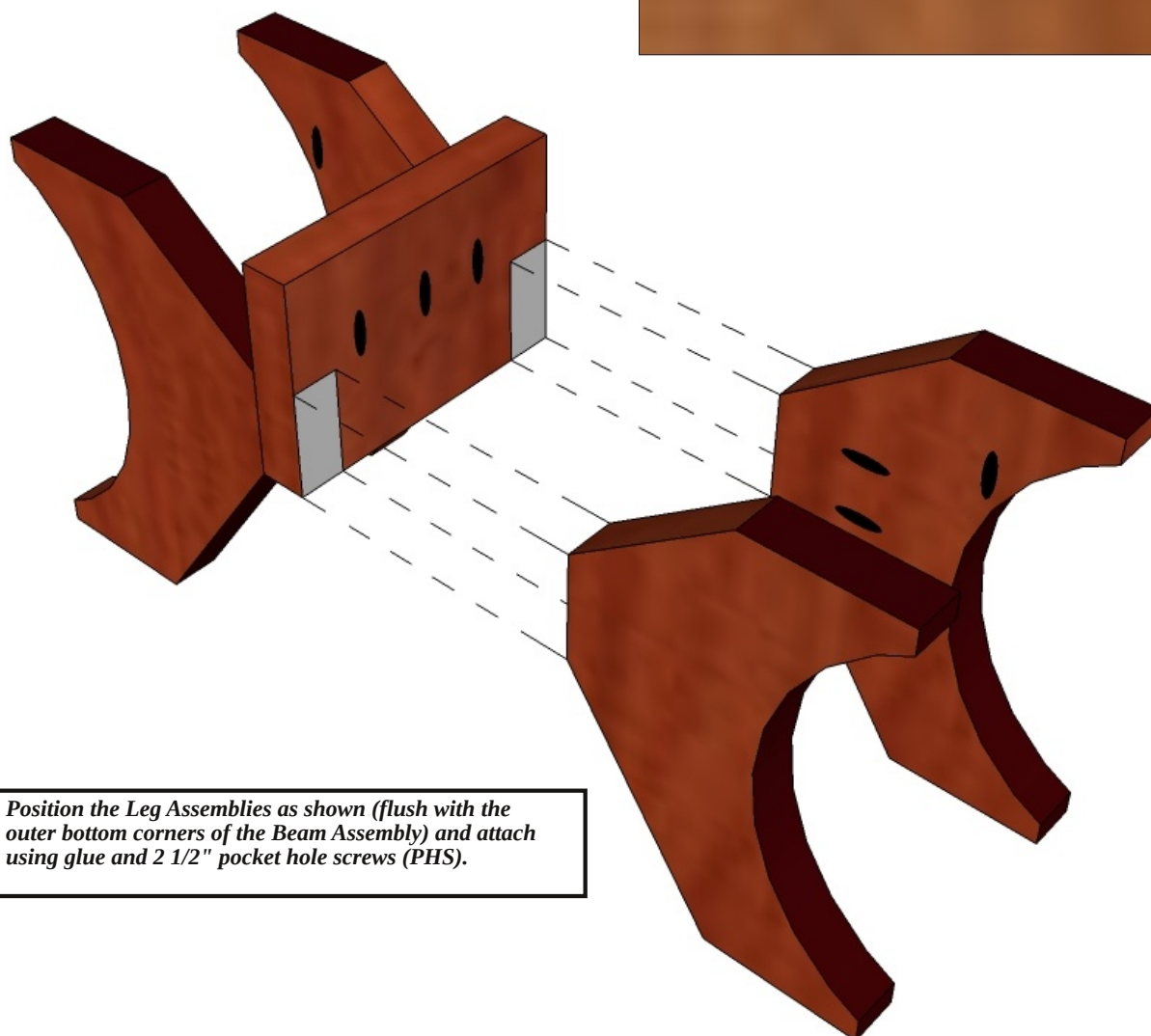
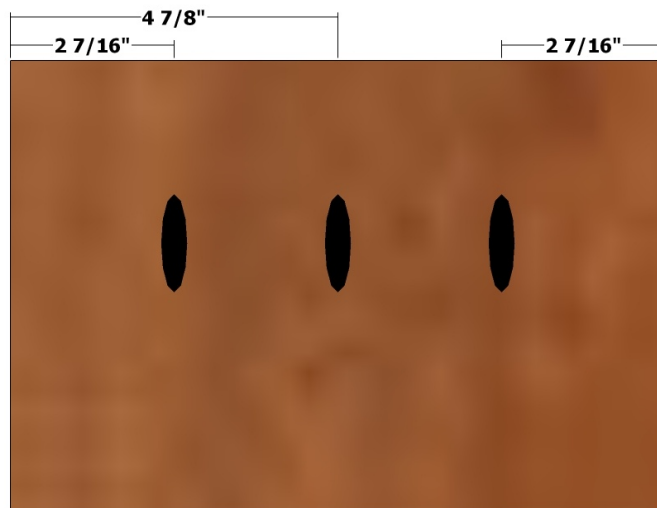




Beams

Laminate two Beam parts to create the Beam Assembly. Apply glue to the mating surfaces and clamp in place until the glue sets.

Use the guide at right for drilling pocket hole screws in the Beam Assembly.



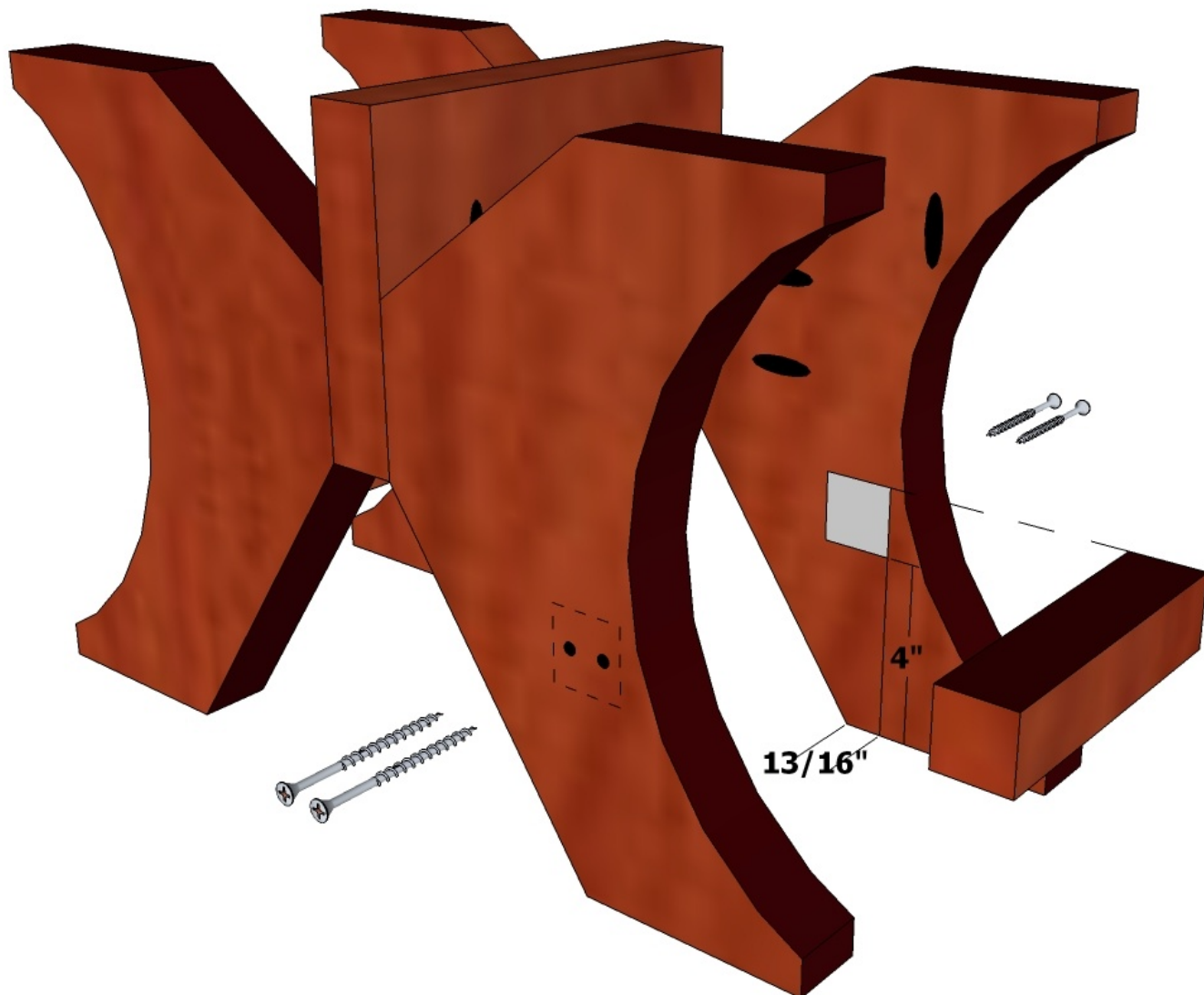
Position the Leg Assemblies as shown (flush with the outer bottom corners of the Beam Assembly) and attach using glue and 2 1/2" pocket hole screws (PHS).

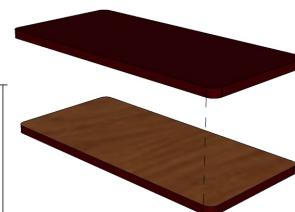
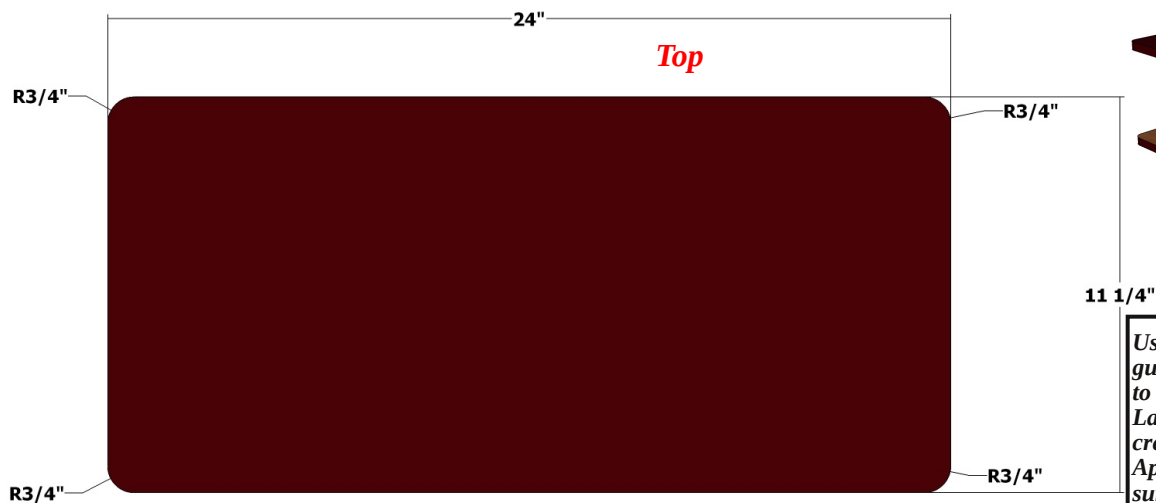


Rails

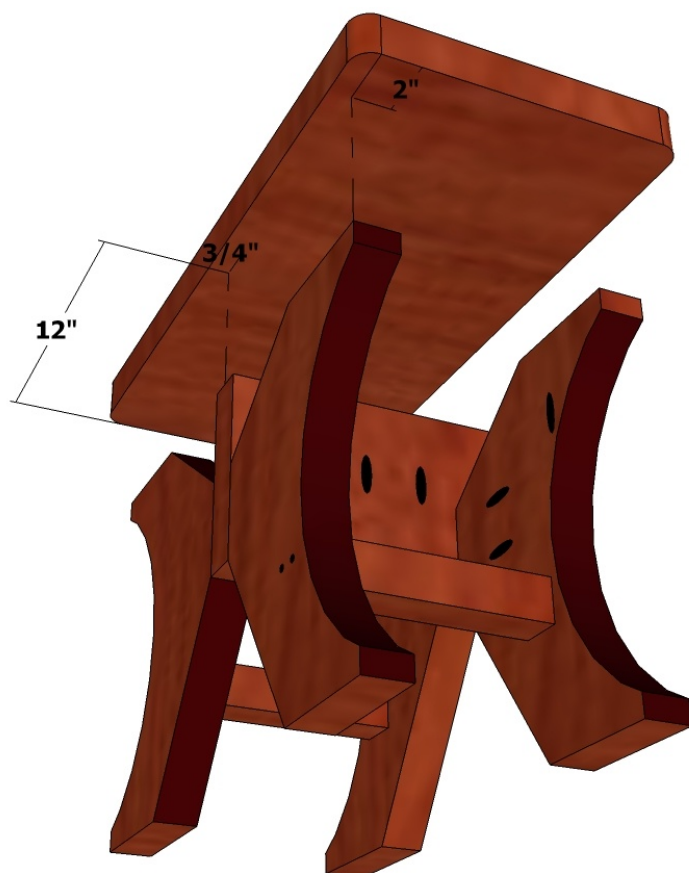
Laminate two Rail parts to create two Rail Assemblies. Apply glue to the mating surfaces and clamp in place until the glue sets.

Position the Rail Assemblies as shown and attach to the Leg Assemblies using glue and 3" wood screws.





Use the layout at left as a guide to cut the Top parts to size and shape. Laminate two Top parts to create the Top Assembly. Apply glue to the mating surfaces and clamp in place until the glue sets.



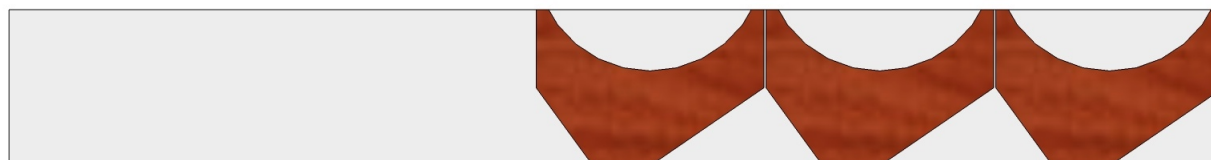
Position the Top Assembly as shown (with a 2" overhang on the ends and a 3/4" overhang on the sides) and attach using glue and 2 1/2" PHS.



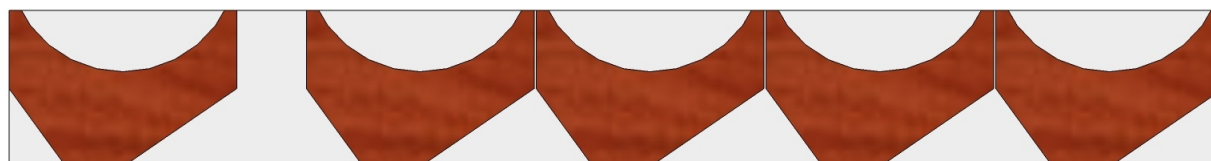


CUTTING DIAGRAM

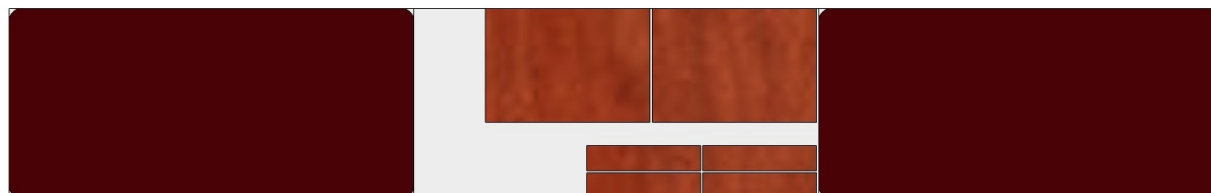
Note: Feel free to use 2 x material if you prefer - simply reduce the number of parts by half.



1 x 12 x 6



1 x 12 x 6



1 x 12 x 6



Follow ALL SAFETY GUIDELINES AND RECOMMENDATIONS provided by the manufacturers of your tools, and any chemicals such as glue and finishes you use in this project. **YOU** are responsible for your safety, so use common sense when working in the shop!