

# Biomorphic Desk How-to

## Materials needed

2 4'x8' sheets of  $\frac{3}{4}$ " baltic birch ply  
16' of 2 inch diameter steel tube  
6 3" diameter  $\frac{1}{8}$ " thick steel circles

## Tools needed

Jigsaw  
MIG or TIG Welder  
Drill  
Palm Sander  
Cold Saw  
Clamps

## Table Top

1. Saw one sheet of plywood in half and glue it together.
2. Using a printed template, mark the dimensions of the table top on the  $1\frac{1}{2}$ " thick plywood sheet.
3. Using a jigsaw, cut out the shape of the table top.



4. Using a palm sander, clean up the edges of the table and sand the top and bottom to desired finish.



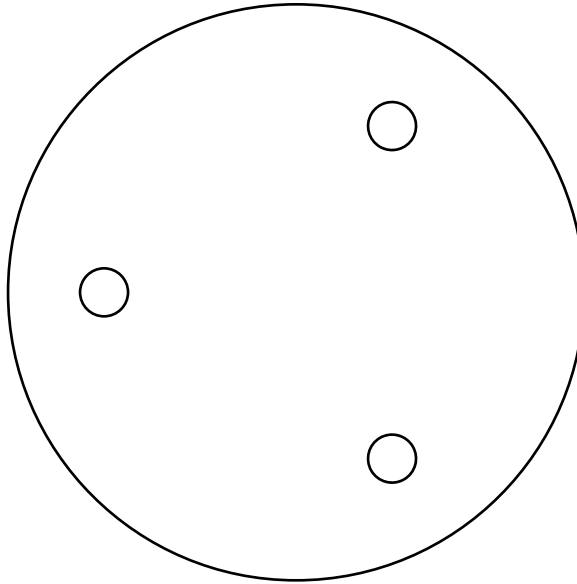
5. Finish with your choice of water resistant coating.

## Frame

1. Cut steel tube to dimensions specified by drawing with a Cold Saw.



2. Drill three equidistant holes on the outer edge of each of the metal circles.



3. Weld the metal circles to the tops of each vertical support, centered. Weld the undrilled circles to the bottoms of each vertical support, centered.

4. Weld the horizontal supports to the vertical supports at specified dimensions. Use clamps to hold supports in place while welding.



5. Weld casters to the bottom of each vertical support.

6. Pre-drill holes to attach frame to base. Attach frame to base using wood screws.