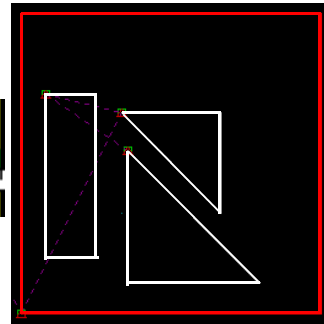
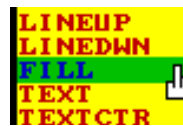


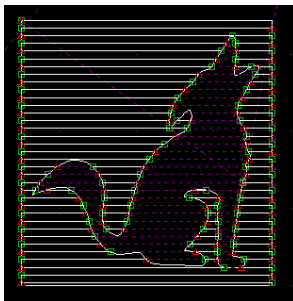
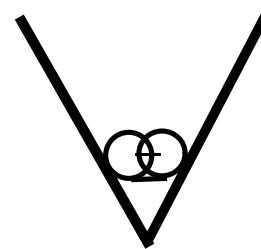
Fill/Tool paths

The fill command will make a cut pattern that removes material in the background. A border must exist with objects inside it for the fill to work. Artistic letters such as those created in Coral Draw can be made to rise above the background as in sand-blasting. Select a line in the border. The border turns red.

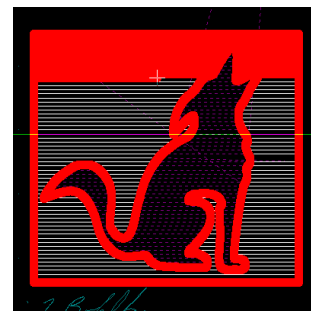


```
Command:fill, Fill Closed Item, Select: item 0 33 - line 2,4,5,063,4.063,5,1,2,1,2,40
item 0 25 - line 2,4,5,4,5,1,2,1,2,40 Set Fill Increment <0.125>:
Set Fill Increment <0.100>:.125 Set Fill Smallest Move <0.125>:
```

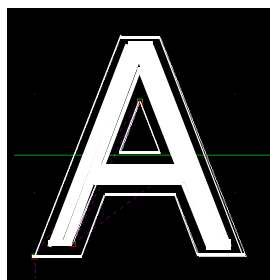
The command line asks for the fill increment. This is the path the cutting tool will move on. Use the radius of the cutting tool for this setting. If the cutter were .250 the increment setting would be .125. Next the command line asks for the smallest move. To prevent cutting into an object while removing fill, make the smallest move equal



A raster line pattern will appear within the border surrounding the object. This is the toolpath the machine will cut on to remove the background fill. Example on the right is an object directly filled without a contour tool path surrounding the object first.



The "A" has a contour tool path around and inside. The offset distance for the path is determined by the size of the cutting tool to be used. The offset contour is equal to the radius of the cutter.



Contouring features can be found in Coral Draw. There are offset abilities in AutoCad also. Contour offset lines must be made around objects before the fill is applied.