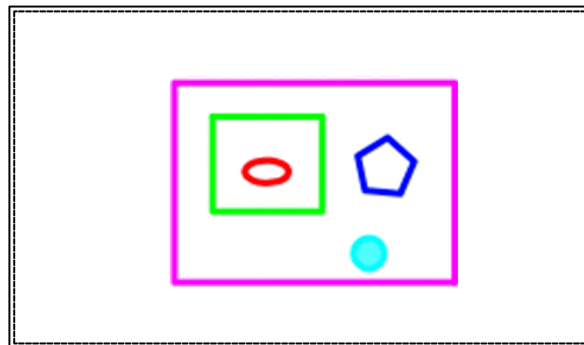# Fabrication Lab

DWG

Step 3:
Working with the Lasers

1

- Download template from Juno Server at \\Juno\Public\DigitalFabrication\LaserCutter-Template\
- Draw or import into template
- Everything must fit inside dashed lines

Laser cutter bed = 32"x18"
Anything larger will not cut

Dashed lines = bleed border
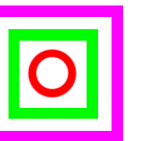
Anything outside of dashed line cannot be cut

NOTE:
You must use this *Digital Fabrication* file format, not your *Design* file format
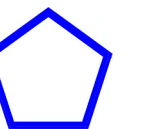

2

- Assign the correct layers
- Use the template layers only

Cutting:
cuts all the way through your material

"CUT" = magenta
"innercut01" = green
"innercut02" = red

Scoring:
just marks the surface with a single stroke vector line

"SCORE" = blue

Engraving:
laser engraves filled, bitmapped areas

"ENGRAVE" = cyan

3

- Delete imported non-template layers
- Use the "OVERKILL" command to remove overlapping lines
- Make copies of the 32"x18" box in the "0" layer for larger files
- Delete unnecessary information

4

- Don't change the "0" or "Bleed Boundary" layers
- Don't change layer names
- Don't scale the template
- Don't use this file on the plotters

5

- Bring your file to your scheduled laser appointment!

For more information, visit:

design.upenn.edu/resources/fabrication-lab