

E4 METAL SHOP

CNC PLASMA CAM

File Submission Process

1. Consultation

Students must have a consultation with a technician to submit a file.
Please check online for consultation hours.

Students should bring:

- Questions about the plasma cutting process
- Your file (**original file Illustrator or CAD or .dxf file**)
- Material to be cut

2. File and Material are submitted

- Files and material must be ready to be included in the queue
- Student's name and project will be added to the online queue.
- Please check the website for the link to the queue.
- Student's can follow the status of the files to be cut
- **Any changes made to your file after submission will alter your position in the queue!**

Once your file is submitted in the queue it will take **3-4 business days** to be cut.

It is your responsibility to plan accordingly for your deadlines!

3. Status: File is cut!

- Students should pick up their material ASAP
- The Metal Shop cannot store material that is not currently in the queue

**Please see CNC PLASMACAM FAQs for more information about the CNC process and guidelines.
Please see below for File Guidelines.**

Material Guidelines

- Thickness: 20 gauge- 1/2"
- Max Size: 48" x 48"
- Min Size: 12" x 12"
- Any conductive metal

File Guidelines:

Files can be created in Adobe Illustrator or AutoCad.
The CNC Plasma cutter will only work with vector lines.

All Files Must Have:

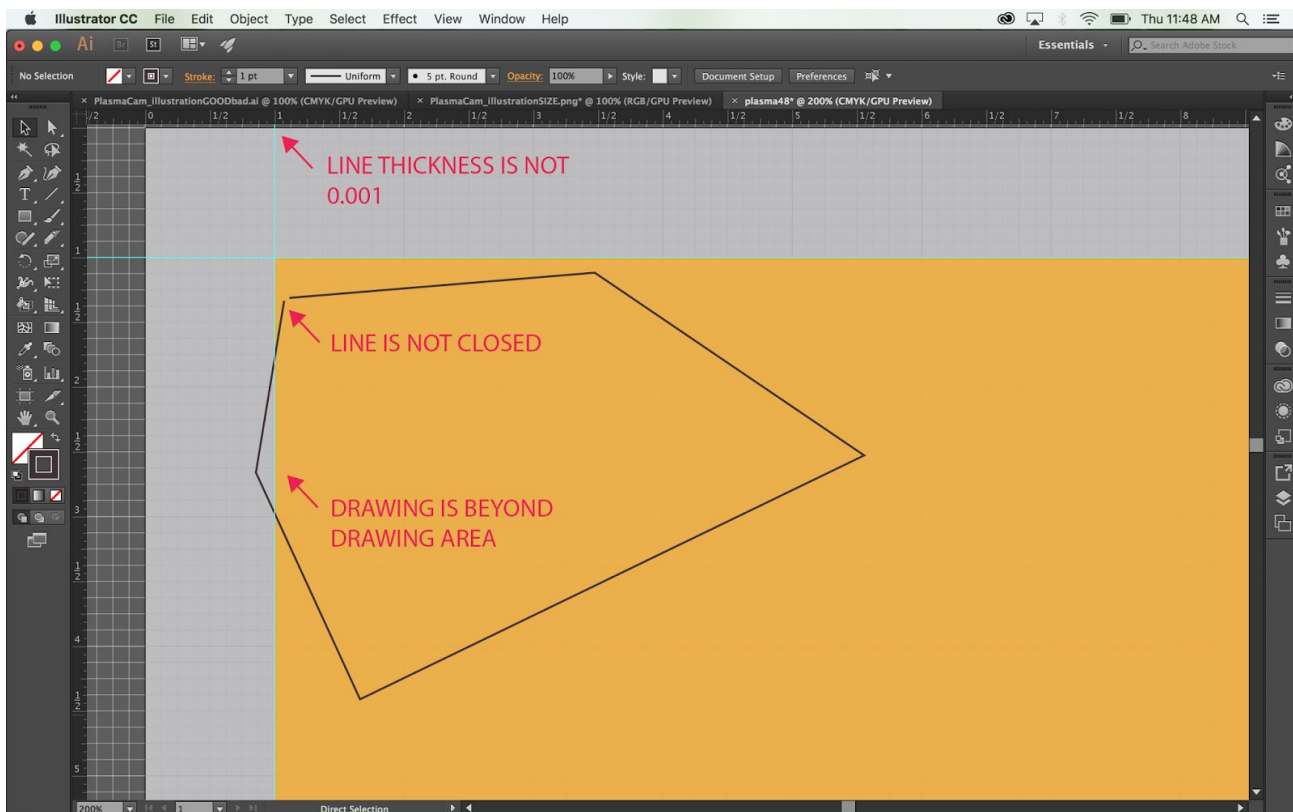
- Line weight of .001 "
- For closed objects all lines must connect. There should be no overlapping lines.
- There should be no double layers of line.
- Units in Inches
- Workspace size of 48" x 48" (121.92 cm x 121.92 cm)
- Colormode RGB

Note: Minimize material waste by placing designs close together without touching (approx. 1/4" apart). Convert all Fonts to outlines.

****Export your file to an AutoCad Interchange File (.dxf)**

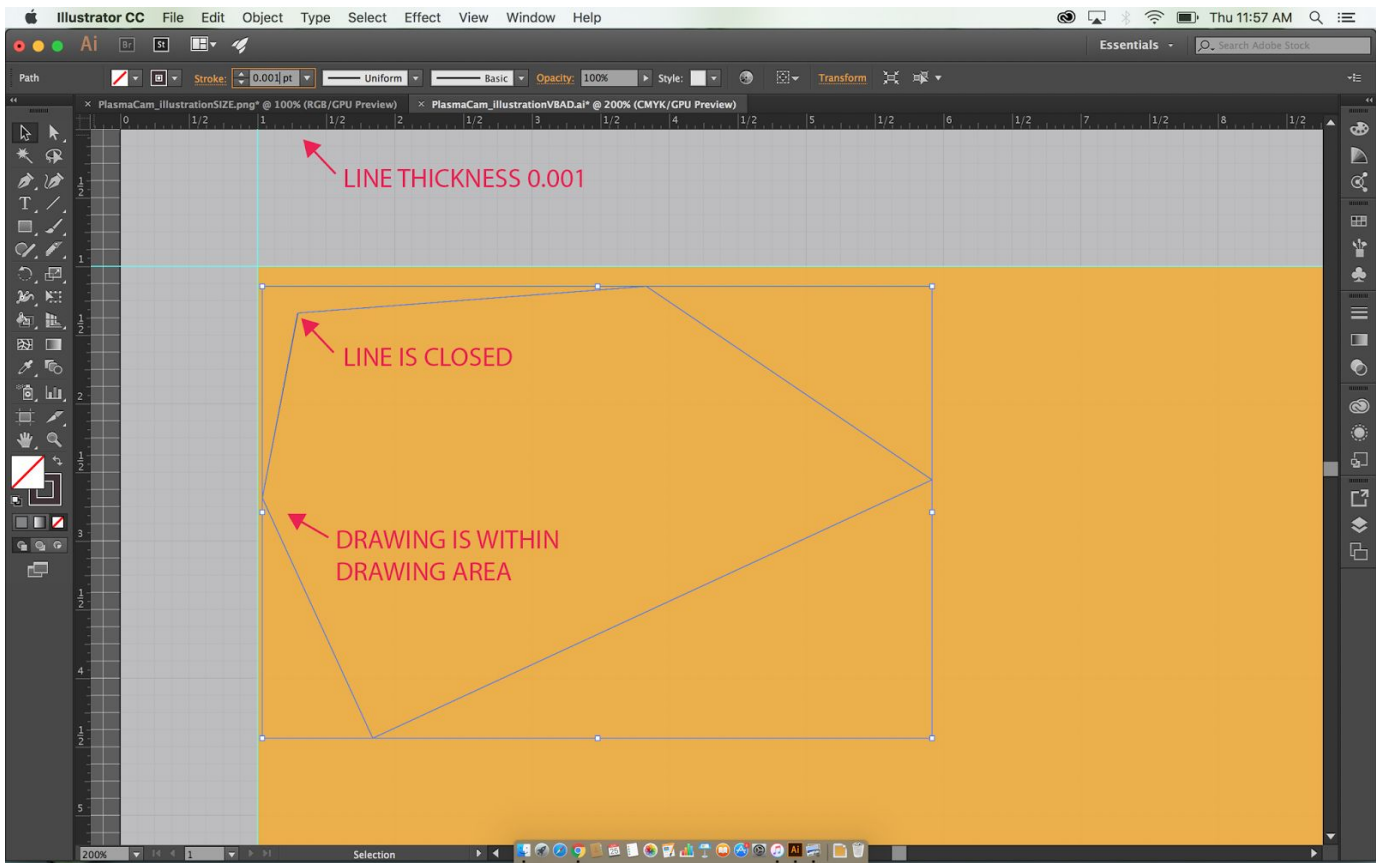
File Example

* INCORRECT FILE *



E4 METAL SHOP CNC PLASMA CAM

* CORRECT FILE *



If you have any questions please come by the E4 Metal Shop and speak to a Technician during consultation hours about how CNC Plasma Cutting can be used for your project!