Glowforge Laser-cutter guidelines

The Glowforge laser cutter is an ECE owned piece of equipment used primarily for cutting and engraving ECE Jr. and Sr. Design projects. The laser cutter is also utilized by the ECE-1890 Prototyping Fundamentals course.

This piece of equipment has the following guidelines for use:

**Materials**:

* + Proofgrade: 1/8 to 1/4 depending on material type. This is the preferred material and will expedite your job
  + Non-Proofgrade: max of 1/4-inch thick material and a sample must be submitted ahead of time for adjustment of cutting parameters. There is no guarantee that this material can be laser cut or engraved

**File Format:**

* + **SVG** (Scalable Vector Graphics) files are required to enable the laser cutter to CUT your design out of the above materials.
  + Your SVG must be an outline only – See reference image below
  + Jpeg, bitmap, and greyscale images are limited to engraving only.

**Maximum Size of material:**

* The bed size is fixed (**Students are limited to 11 inches tall x 19 inches wide**)

**Usage:**

* Only 1 student may use the machine at a time
* Jobs are scheduled and subject to SERC scheduling.
* No jobs are permitted to run past **4PM** (no exceptions)
* No jobs maybe run without direct supervision of either Jim or Bill

REFERENCE PAGE…

Not acceptable

Acceptable SVG for cutting