Southern Illinois University School of Art and Design
Subtractive and Additive Manufacturing Lab (S.A.M.)

ILLUSTRATOR FILE SETUP FOR LASER CUTTER

1) Create a new artboard with the dimensions 32"x18", landscape orientation, RGB color mode.

   Actual cutting area is 31¾"×17¾"

2) All lines to be cut must be black with a .001 pt stroke weight.
   All etch lines must be blue (255) with a .001 pt stroke weight.

3) Cutting scale is 1:1 (actual size)

4) Bring file to S.A.M. Lab on a thumb drive

- All vector paths must be independent. No groupings or compound paths.

- If using material smaller than the full bed, it is best to set up your artboard to be the same size as the material you are cutting/etching.

- The laser will only cut or etch lines. You cannot cut or etch fills.

- Save all Illustrator files to 'Illustrator CS6'

- The laser cutter does not recognize the 'Pen Curve' tool featured in the Illustrator Creative Cloud Version.

- Prior to cutting user must verify that all lines (stroke) are set to .001 pt thickness, stroke is set to uniform and pen/brush is set to basic and opacity is set to 100% (see image below).