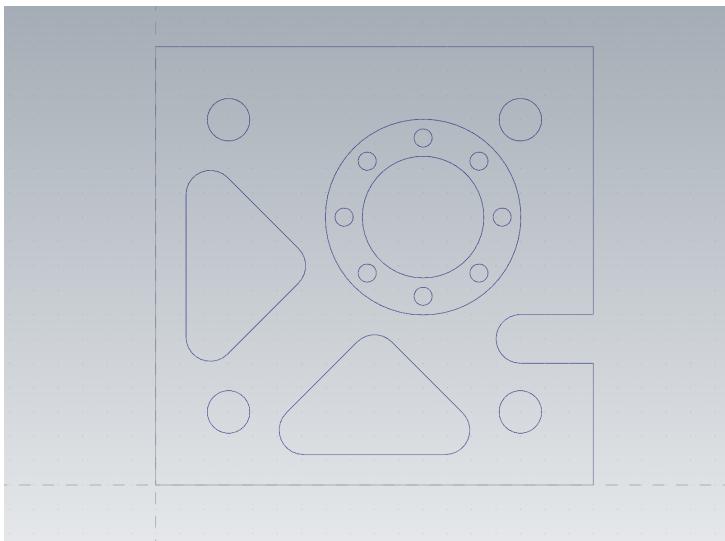
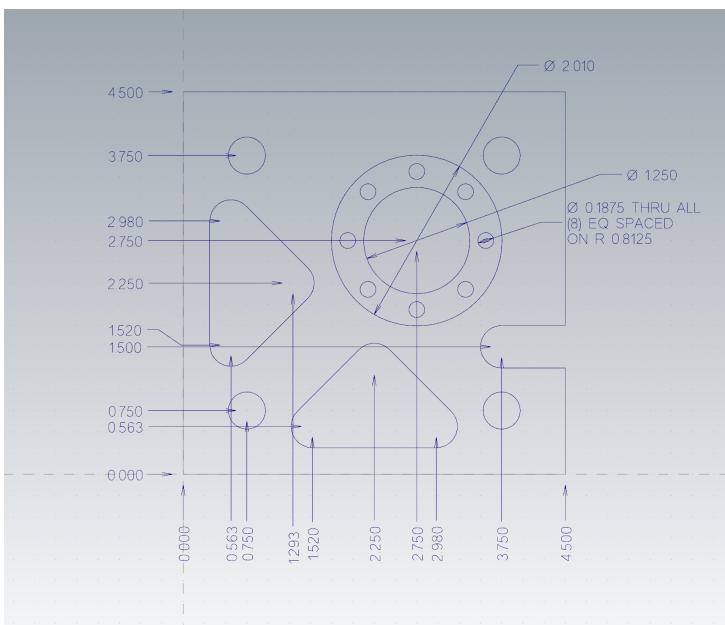


CCET 3680  
Mill Lesson 7 First Exercise

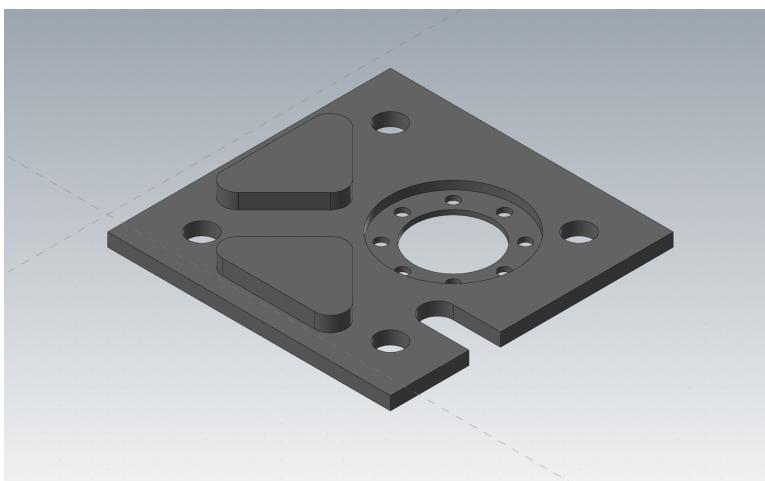
I. Wireframe:



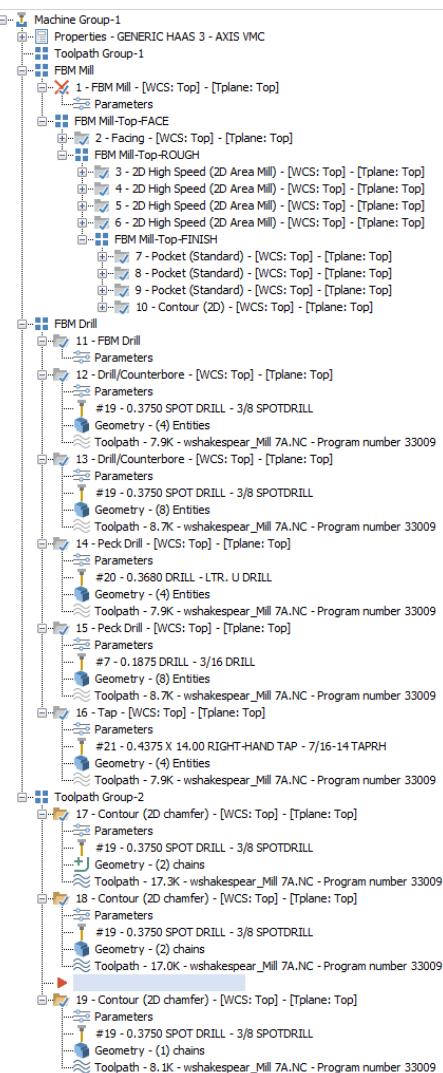
II. Dimensions:



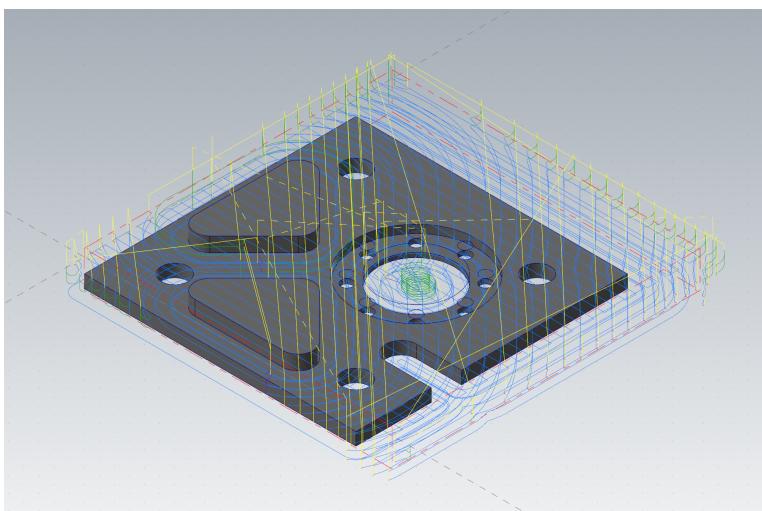
### III. Solid:



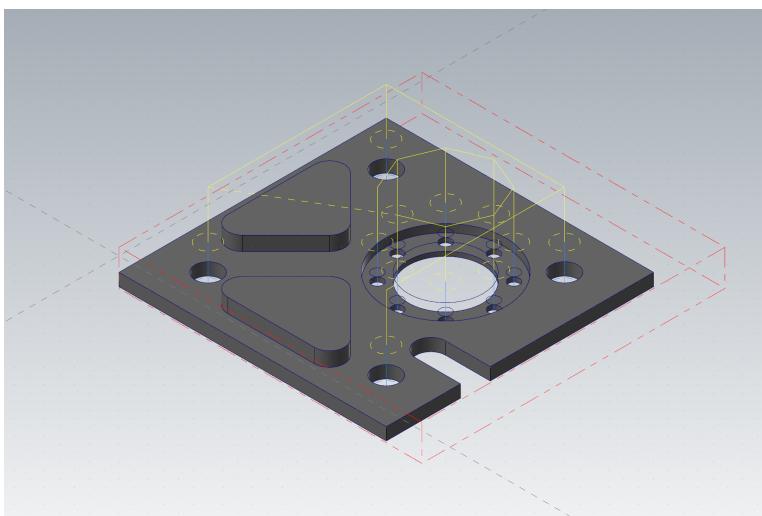
### IV. Toolpaths:



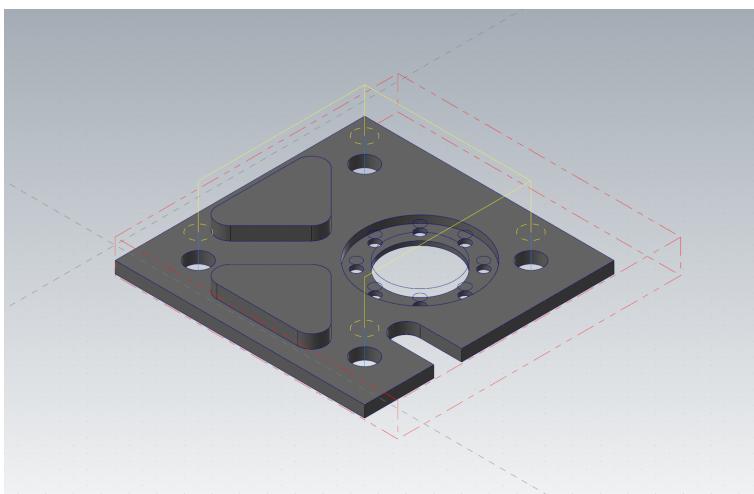
V.  $\frac{3}{8}$ " Endmill:



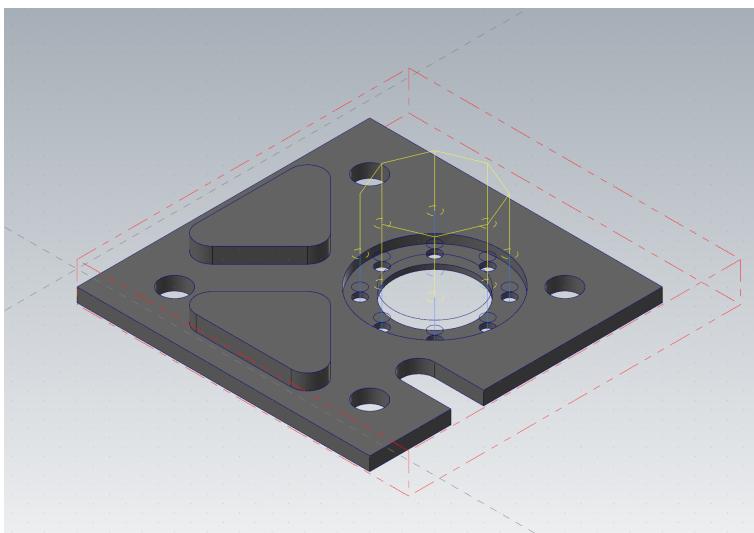
VI.  $\frac{3}{8}$ " Spot Drill:



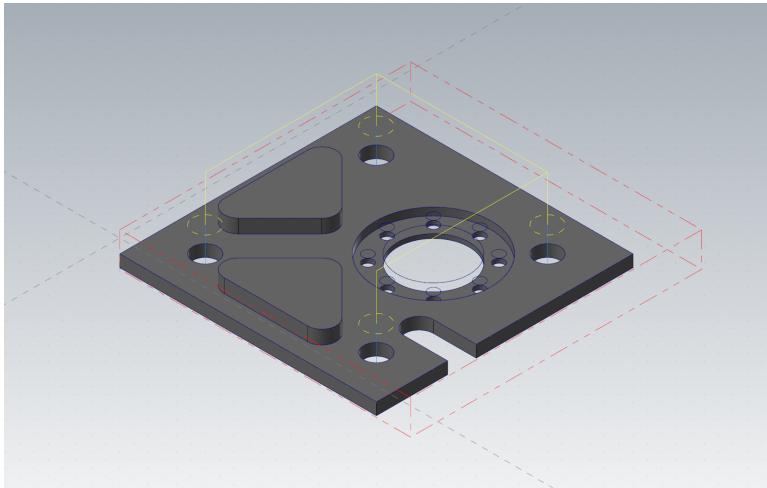
VII. U Drill



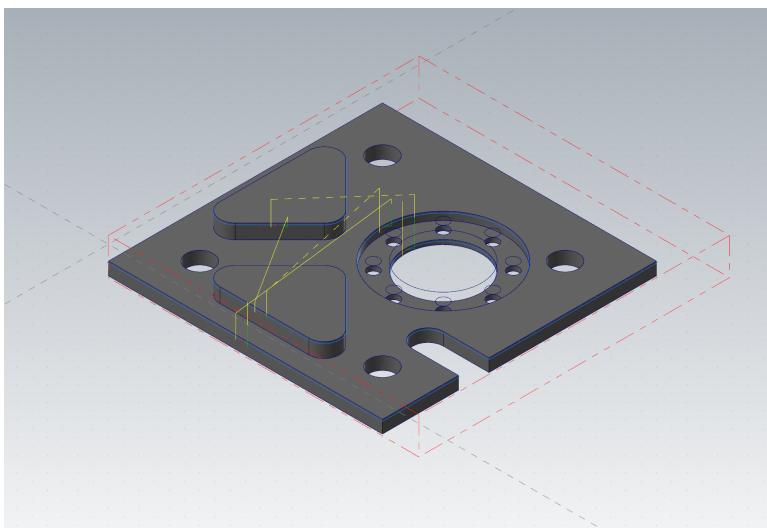
VIII. 3/16" Drill:



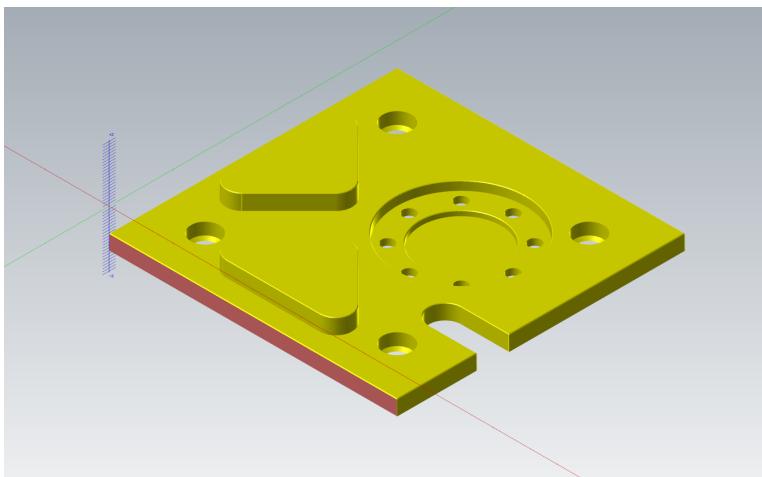
IX. 7/16-14 Tap:



X.  $\frac{3}{8}$ " Spot Drill:



#### XIV. Final Solid:



#### XV. Method:

I followed the tutorial for this one, for both creating the geometry and the toolpaths.

#### XVI. GCode Changes

To modify my gcode to be compatible with the machine I first made sure the HAAS 3 axis post processor was selected when exporting the gcode. Then I removed the long lines at the beginning and edited the last G28 home command to not zero the x axis.

#### XVII. Finished Part



#### XVIII. Quality Report

Outside X: 4.4975in

Outside Y: 4.2830in

Large hole diameter: 2.0035in

XIX. Mating Parts

