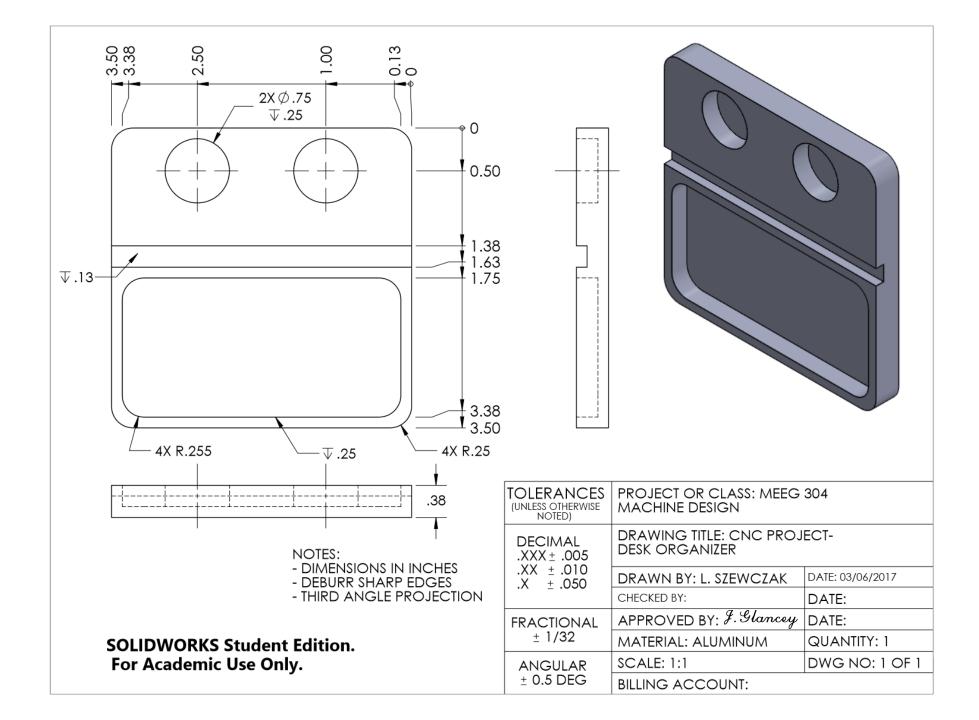
# Drawing Requirements and Suggestions

30 August 2018



# Grading

- Points for each drawing element and total grade shown on your page.
- Total grade is circled at the bottom.

Elements of a Good Engineering Drawing:

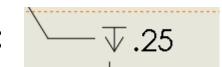
- Title Block and Notes (20)
- Orthographic and Isometric Views (10)
- Dimensions (40)
- Features / Machinable (20)
- Overall Neatness (10)

#### Standard Drawing Practices

- Apply the standard drawing practices introduced in MEEG 202 to your plate drawing.
- Refer to the Drawing Practices documents in the Canvas folder for the Machine Shop Project.

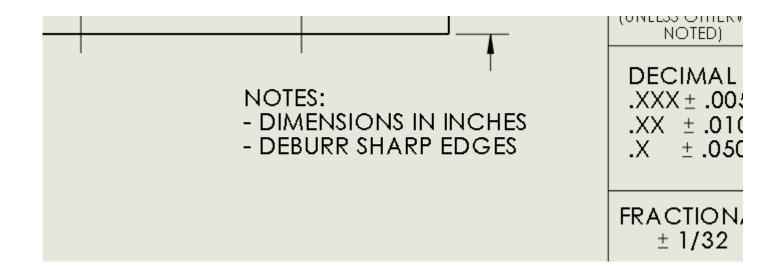
# Tips and Tricks Details on the Slides that Follow

- What notes to use
- How to remove tangent edge lines
- How to use ordinate dimension
- How to remove leaders from part views
- Where to find the depth callout symbol:



What a correct isometric view should look like

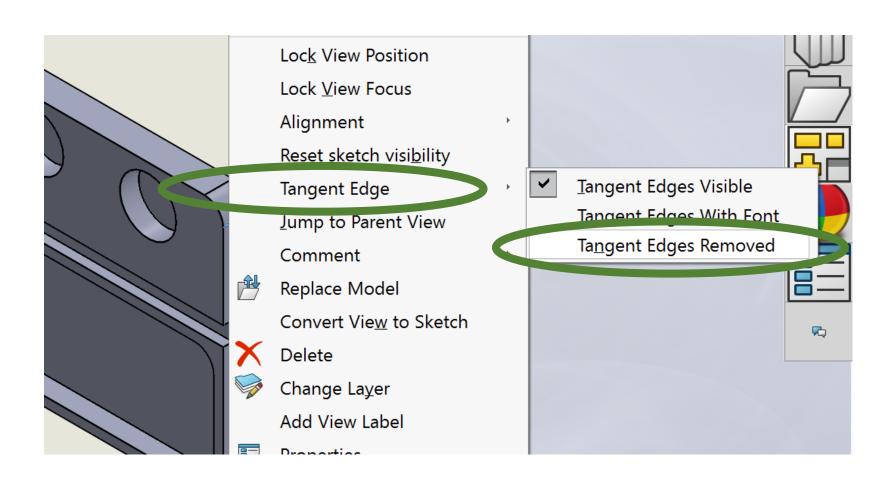
#### What notes to use



Everyone's drawing needs these two notes included (worth 10 points total).

#### How to remove tangent edge lines: Method 1

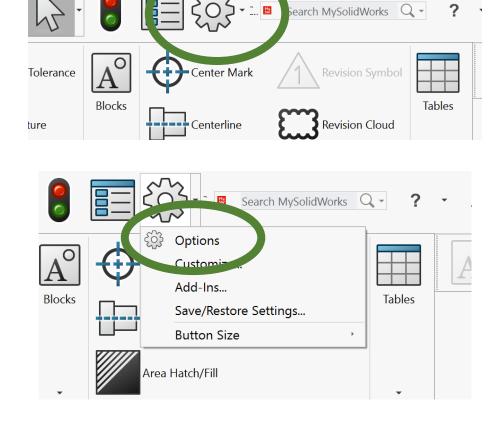
Right-click on tangent edge line > Tangent Edge > Tangent Edge Removed

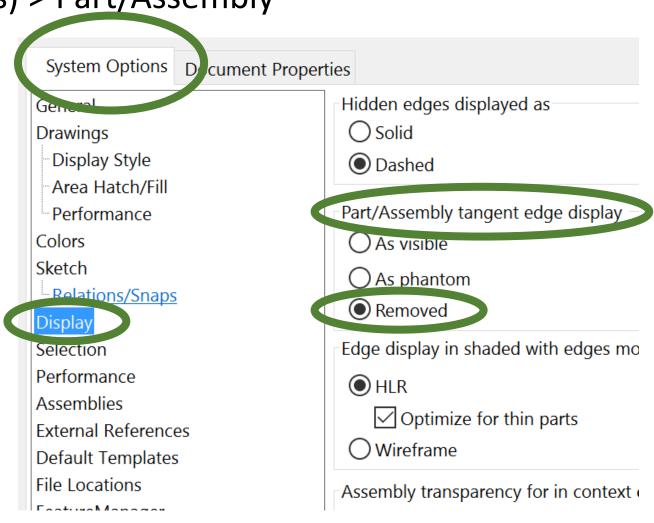


### How to remove tangent edge lines: Method 2

 Click on gear in top bar > Options > System Options > Display (or Display/Selections) > Part/Assembly

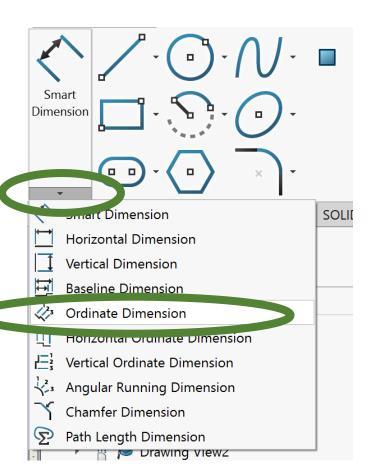
Tangent Edge > Removed





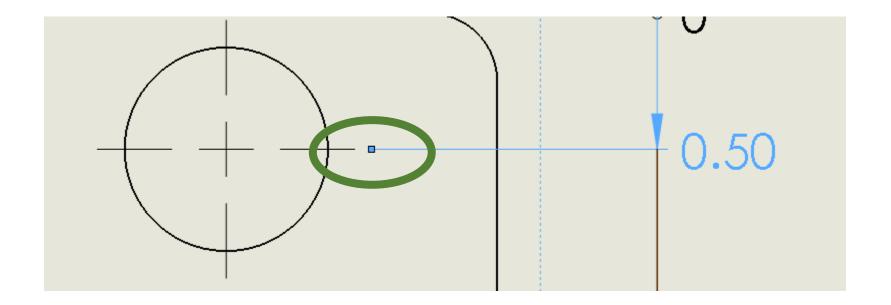
#### How to Use Ordinate Dimension

 Click on drop down under Smart Dimension > Click "Ordinate Dimension" > Click on Zero line (0,0 measurement) > Click on each measurement



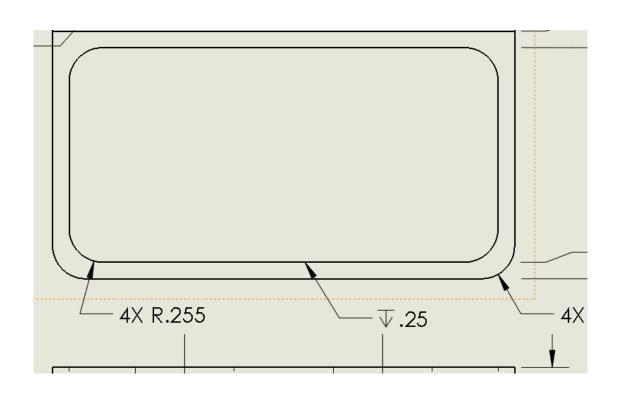
#### How to remove leaders from part views

Click on measurement > Click on blue dot> Drag off part

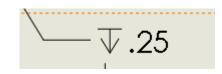


### Where to find the depth callout symbol

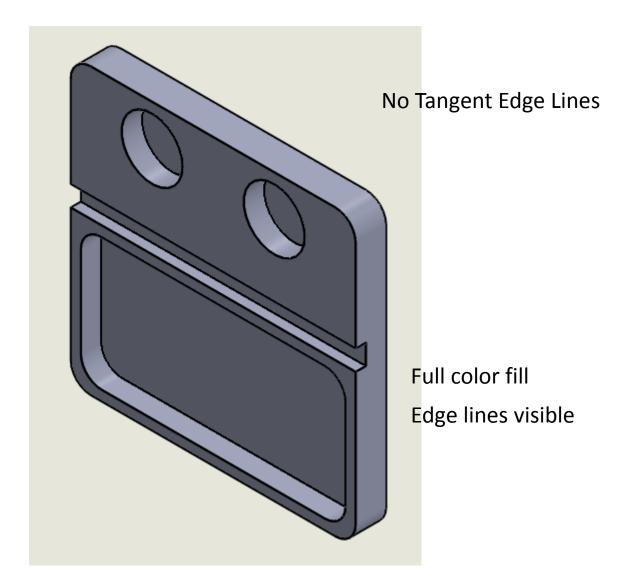
Many feature needs a depth Call-out



- To get the depth symbol:
  - Label feature with an annotation
  - Type: <HOLE-DEPTH> .25
  - Will look auto-fill to:

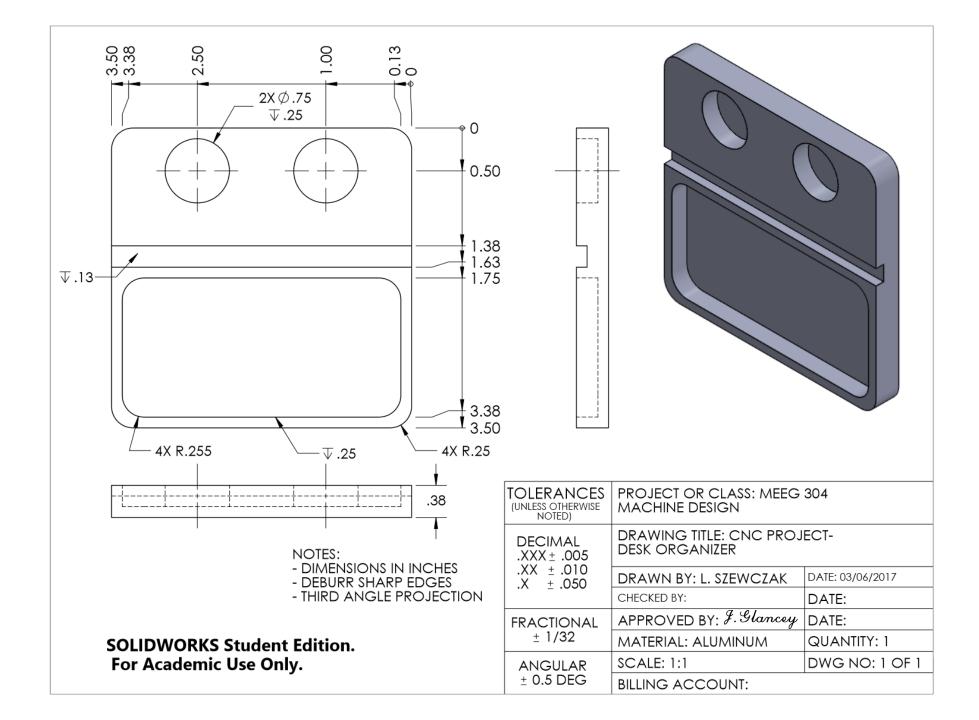


#### What a correct isometric view should look like



Use display style: "Shaded with Edges"





# We need to see the following students now.

- Students that did not take MEEG 202
  - Office hours help for Solidworks
  - Other students also welcome
- Students that did not make the plate and threaded polymer block in MEEG 202
  - Special machine shop session