

	Problem	Slot Plate	Base Support
Model			
Layer Lwt:			
Layers Linetypes			
Accuracy			
Drawing			
Views: (Object Lines			
Hidden lines / Center lines			
Other lines / LTSCALE			
Dimensions:			
Dimension / Dimension Style:			
Printing			
Layouts (Fit Paper)			
Viewport(s)			
Titleblocks			
Monochrome			
Totals			
Other			
Total (30 points)			

- Layer (lwts): Object .5, Hidden .3, other default
- Layer (linetype): A layer for each linetype used
- Accuracy – Dimensions: Check actual value
- Accuracy- Check Area, Perimeter, etc.
- Dimensions I: Complete, Standard, Layout
- Dimensions / Dimension Style: Precision, Scale, Text, Symbols,...

Choose one of the following: Problem 1 or Problem 2

Problem 1: Slot Plate

A. (30 pts) Create the AutoCAD drawing (See Below)

1. Use AutoCAD, same guidelines as previously assigned. (See Grade Sheet)
2. Create a **single view** drawing. **Origin** at the center of the large diameter
3. Create a complete drawing. Same requirements as portfolio assignments.

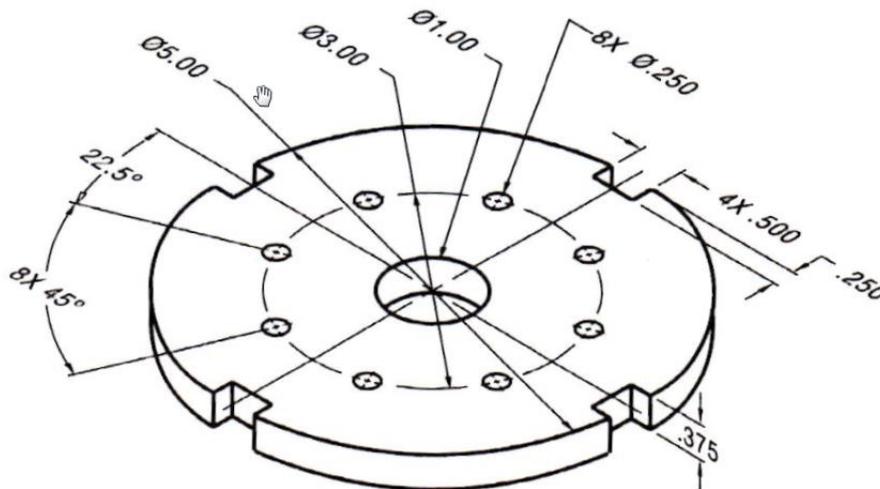
Submit Files: Slot Plate.dwg, Slot Plate.pdf

1. Save the files your TSM 216 folder (S:\TSM 216\Student Files\... (Use individual folder)
2. Print / Save a .pdf. Printer: Choose DWG To PDF.pc3

PROBLEM 12-17 Repetitive features (in.)

Part Name: Slot Plate

Material: Aluminum



B. (10pt) Determine the outside perimeter and area of the face of the Slot Plate

1. Create a new layer: Regions
2. Copy the object lines. Place the copies away from the other view.
3. Place the copied geometry on the layer: Region
4. Create a region of the outside perimeter. (Array elements will have to be exploded)
 - Determine the perimeter: _____ Units: _____
5. Convert the holes to regions. Subtract the holes from the outline.
 - Determine the net area: _____ Units: _____
6. Place a note in the titleblock, include the area and perimeter
7. Turn the layer off: Region. Save the file, keep the new information

Problem 2: Base Support

A. (30%) Create the AutoCAD Multi-view (See Below)

1. Use AutoCAD, same guidelines as previously assigned. (See Grade Sheet)
2. Create a **multi-view** drawing (Two Views required): Make the front view a full section.
3. **Accuracy:** use the given values. (Several values are intended to be non-standard increments)

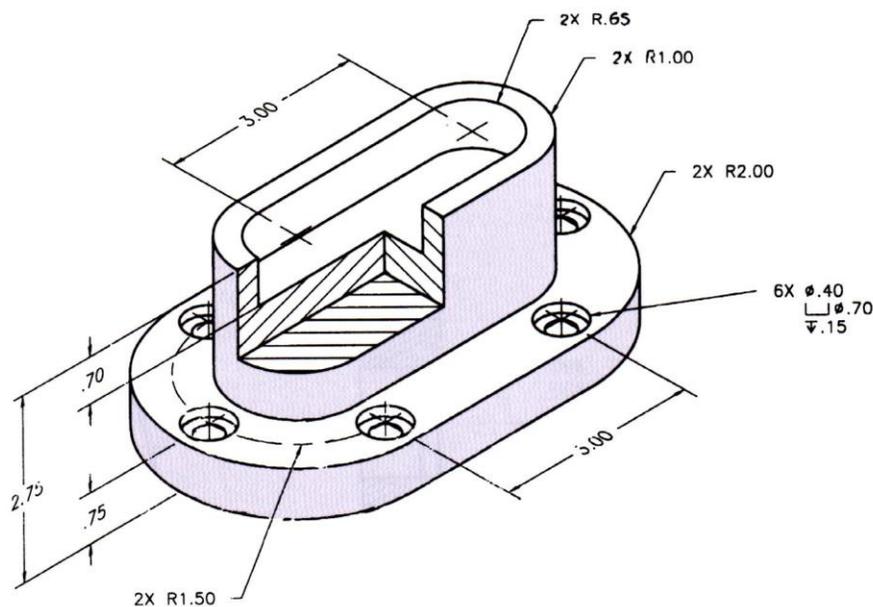
Submit Files: Base Support.dwg and Base Support.pdf

1. Save the file your TSM 216 folder (S:\TSM 216\Student Files\... (Use your individual folder
2. Print / Save a .pdf. Printer: Choose DWG To PDF.pc3

PROBLEM 14-36 You select the sectioning technique
(in.)

Part Name: Base Support

Material: Mild Steel



B. (10%) Utilize a Block and an Array

1. Create a **block**, include the two circles for the holes. Do not include centerlines.
2. Use the block in an **array** to place 3 of the holes. **Mirror** the 3 holes to the other side.