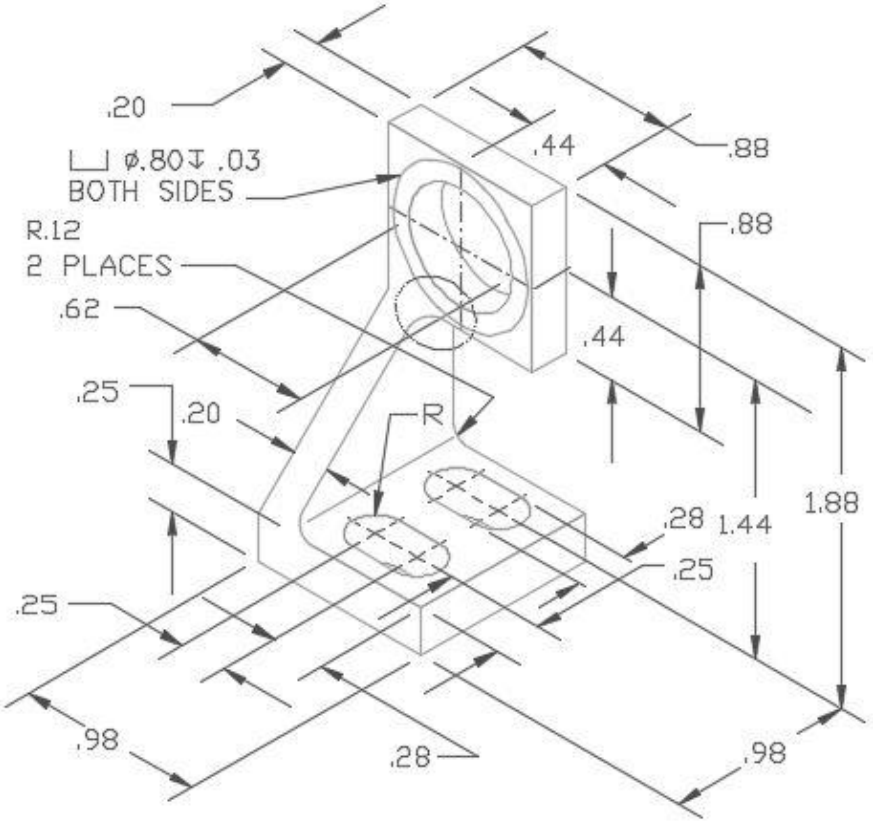
Mechanical II Drafting
Dossin

Single Bearing Hanger Review Drawing

Directions:

1. Review the Drawing below. Look at the shape, the dimensions, and the notes. Visualize the object to be sure you have a good mental picture of it.
2. You will need to draw the proper orthographic views using the Third-Angle Projection. Include the standard symbol used for Third-Angle Projection on your drawing.
3. Draft this at 2:1 scale on an A-size sheet. Draw a removed view of the circled feature at twice the scale.
4. Decide which view to use as the front view. Keep in mind the following:
    a. *The front view is the most important, the one viewers see first.*
    b. *The front view should show the most basic profile.*
    c. *The front view should appear stable. Place the heavy part on the bottom.*
    d. *The front view should be positioned to minimize the number of hidden lines in all views; this enhances visualization.*
5. Properly position and center the object views within the sheet. Remember to **"Block Out"** your views first!
6. Properly Dimension and note your orthographic views.
7. Properly fill out a title block with required information.



Standards:
D1: Measure lines, angles, and geometric features
D2: Identify drawing views and details
D5: Identify and create line types
D7: Complete title block and apply reference information
D9: Select and interpret scale and paper size
D10: Identify and operate design tools/instruments (CAD and./or manual)
G1: Draw lines and curved elements
G2: Construct perpendicular and parallel lines
G3: Construct tangent lines and arcs
H3: Demonstrate knowledge of pictorial drawings
I1: Demonstrate knowledge of multiview drawings
I2: Multiview projection (third angle and first angle)
L3: Identify finished surfaces
L6: Place local and general notes including fonts, lettering size, style, etc.