INSTRUCTIONS:

Step 1.

1. Start a NEW file using My Decimal Setup.dwt
2. The Viewport should already be scaled to 1:1 and locked.
3. Draw the objects shown below.
4. Draw the Break line using Polyline with the Spline option (page 24-3).
5. Draw the Hatch using Pattern Ans1 31 and Layer Hatch.
6. Draw the Threads:
   A. Use Layer Threads.
   B. Thread lines are 0.0625" distance apart.
7. Dimension as shown using Layer Dimension and Dimension Style = Dim-Decimal.
8. Save as Ex-29C-I - Step 1
EXERCISE 29C-Inch....continued

Step 2.
1. Open Ex-29C-I - Step 1 (If not already open).
2. Freeze the Dimension Layer.
3. Assemble the parts as shown below.
4. Use Move, Mirror, Rotate, Trim, Erase and any other command that you need.
5. The distance between the Jaws should be 1.000".
6. Save as Ex-29C-I - Step 2.
EXERCISE 29C-Inch....continued

Step 3.
1. Open Ex-29C-I - Step 2 (If not already open).
2. Draw the List of parts in Paper space above the title block as shown.
3. Use Multiline Text to enter text. Justify = Middle Center Text ht = 0.125" and 0.062".
4. Add Ballooned Leaders as shown in Model Space. Scale 1.5 Use Collect and Align.
5. Save as Clamp Assembly and plot using plot Page Setup Plot Setup A.
EXERCISE 29C-Metric

INSTRUCTIONS:

Step 1.

1. Start a NEW file using My Decimal Setup.dwt
2. The Viewport should already be scaled to 1:1 and locked.
3. Draw the objects shown below.
4. Draw the Break line using Polyline with the Spline option (page 24-3).
5. Draw the Hatch using Pattern Ansi 31 and Layer Hatch.
6. Draw the Threads:
   A. Use Layer Threads.
   B. Thread lines are 1.5mm distance apart.
7. Dimension as shown using Layer Dimension and Dimension Style = Dim-Decimal.
8. Save as Ex-29C-M - Step 1
EXERCISE 29C-Metric....continued

Step 2.
1. Open Ex-29CM - Step 1 (If not already open).
2. Freeze the Dimension Layer.
3. Assemble the parts as shown below.
4. Use Move, Mirror, Rotate, Trim, Erase and any other command that you need.
5. The distance between the Jaws should be 25mm.
6. Save as Ex-29C-M - Step 2
EXERCISE 29C-Metric....continued

Step 3.
1. Open Ex-29C-M - Step 2 (If not already open).
2. Draw the List of parts in Paper space above the title block as shown.
3. Use Multiline Text to enter text. Justify = Middle Center Text ht = 3.2mm and 1.5mm
4. Add Ballooned Leaders as shown in Model Space. Scale 1.5 Use Collect and Align.
5. Save as Clamp Assembly and plot using plot Page Setup Plot Setup A.

List of Parts (Dimensions)

School Name
Towns County

CLAMP ASSEMBLY

Type your name here

Date: 02-21-2005
Scale 1:1
Dwg No. 69-4470

5 PIN 2 CRS
4 PILOT SCREW 1 CRS
3 SCREW 1 CRS
2 JAW-RIGHT 1 CRS
1 JAW-LEFT 1 CRS

2

3 5

4 5

1