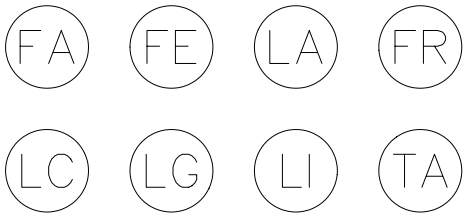
CHAPTER 22 EXERCISES

1. Piping Instrumentation

Begin a ***New*** drawing. Draw a ***Circle*** with a ***Diameter*** of **1**. Set the ***Text style*** to ***Simplex***. Use the ***Attdef*** command to define an attribute for text in the center of the *Circle*. The ***Tag*** will be **Instrument**, the ***Prompt*** will be **Instrument Type**, and the ***Default*** will be **FA**. Next, ***Block*** the *Circle* and the attribute information. ***Insert*** the *Block* back into the drawing 8 times and entering the attributes as shown in Figure 22-1. Finally, use ***Ddatte*** to change the "**LA**" instrument into "**FI**". ***SaveAs*** **CE22EX1**.

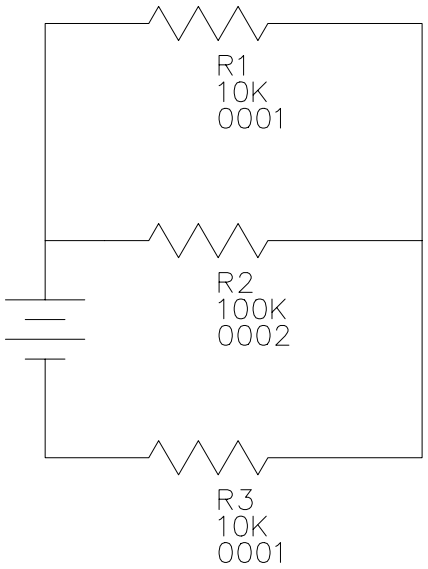
Figure CE22-1



2. Resistors

Open the drawing **CE10EX1** from the Chapter 10 Exercises. ***Erase*** all of the resistors except the one in the upper left corner. Add ***Attributes*** to this resistor for resistor number, resistor value, and part number. ***Block*** the resistor with its attribute information. ***Insert*** the *Block* and complete the electric circuit as shown in Figure CE22-2. ***SaveAs*** **CE22EX2**.

Figure CE22-2



3. Titleblock with Attributes

Open the **TBLK_D** drawing from the Chapter 21 Exercises. ***Erase*** the text for items such as scale, date, drawn by, designed by, sheet number, etc. Replace the text with ***Attributes*** with appropriate tag, prompt, and default information. ***Wblock*** the entire drawing as **DTBLK**. Do not ***Save*** changes to the TBLK_D drawing.

4. Grid Survey

Begin a ***New*** drawing. Draw a horizontal ***Line*** from **0,0** to **50′,0** and a vertical ***Line*** from **0,0** to **0,50′**. ***Offset*** these lines in **10′** increments to create a grid. Set the ***Point Style*** to **X** and an absolute size of **1′**. Draw a ***Point*** at one of the intersections of the grid lines. Add an ***Attribute*** to indicate the point elevation. ***Block*** the *Point* and the *Attribute*. ***Insert*** the *Block* at all intersections of the grid lines as shown in Figure CE22-3. ***SaveAs*** **GRIDSURV**.

Figure CE22-3