



A. GENERAL PARAMETERS

1. Definition

This technical bulletin covers the process of assigning pens weights and patterns to colors in *AutoCAD R14*.

B. PROCEDURE

1. Set the Windows System Printer

Ensure that the appropriate HP DesignJet Systems Printer driver is set as the **default** printer in the System Printers folder before continuing. Refer to *Technical Bulletin #CADP-3* for information on Windows System Printers.

2. Set up a Default System Printer

Refer to *Technical Bulletin #CADP-4* for information on how to set up an AutoCAD System Printer.

3. Configure Pens

- a. Make sure that the correct printer driver is currently used by doing the following:
 - In *AutoCAD R14*, click **Device and Default Selection** and select **Default System Printer**.
- b. In the same window, click the **Change** button in the lower right-hand corner. This will take you to the **Print Setup** window; make any changes as necessary here.
- c. After having made any necessary changes in the **Print Setup** window, click the **Pen Assignments** button. In the **Pen Assignments** window, set all pens to 7 and input all corresponding line widths. This will result in a plot that is black and white only.
- d. If screening is desired, be sure to set the color number and pen number to the same value; see Figure 1.
- e. Attached is a chart showing the approximate screening values for each color in AutoCAD. By assigning the Layer or Object (In AutoCAD) to a particular color and following item **d.** above, you will achieve screening similar to what is shown on the chart.

PLOTWORKS FOR WINDOWS

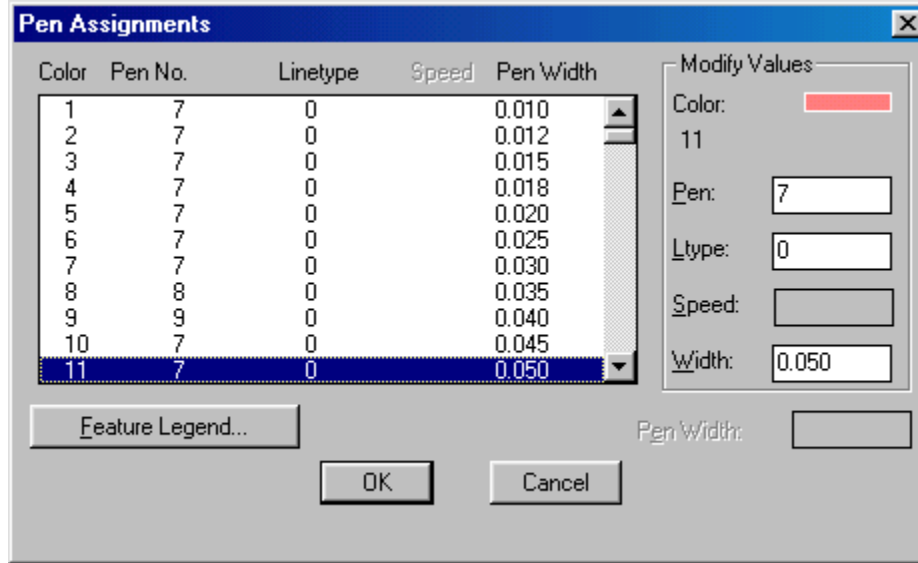


Figure 1

In this example, colors 1 through 11, except colors 8 and 9 will print black with their respective line widths; colors 8 and 9 will print out with their corresponding gray tones; see attached grayscale chart. In other words, using the above settings will result in a black and white plot with screening.

If you use a similar setup to the afore mentioned example (with embedded line widths and screening) and send your plots to A&E's Cad Plotting Department, be sure to let our Cad Plotting Technician know to use the WPG Macro.