

**XES Synergix™ 8825/8830  
HDI AutoCAD 2000® Print  
Driver User Guide**

**701P19490 November 2000**



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# Introduction

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## Purpose of this Guide

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The purpose of this Guide is to assist you with instructions for installing and configuring the XES Synergix 8825/8830 HDI AutoCAD 2000 Print Driver to support your AutoCAD plotting needs.

## How to Use this Guide

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1. Read *Before You Start* for valuable information on how to set up your printer, your workstation, and the print driver for network communications.
2. Read the *Installation* section for instructions on how to install the print driver within AutoCAD 2000.
3. Read *Configuring the Driver* for information on how to configure the driver to work with AutoCAD 2000.
4. Read *Deleting a Plotter from AutoCAD* for information on how to delete a plotter configuration file from the Plotter Manager folder.

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## Basic System Requirements

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### Workstation

- A workstation with a 133MHz Pentium or compatible processor.
- 64 MB of RAM (recommended), 32 MB (minimum)
- 800 × 600 VGA video display with 256 colors (1024 × 768 or higher recommended).
- CD-ROM drive for initial installation only.
- Windows-supported display adapter.
- Mouse or other pointing device.

### Software

- Windows NT4.0, Windows 95, or Windows 98.
- AutoCAD 2000.
- Microsoft Internet Explorer 3.0 or Netscape Navigator 3.0, or higher, to use AutoCAD's Internet Tools. Internet Explorer 4.0 or Netscape Navigator 4.0, or higher, to use the Web PMT as required to set up the XES Synergix 8825/8830 printer in a NetWare (client/server) network environment.
- TCP/IP or IPX protocol installed and functioning on the computers running AutoCAD.

### Printer

- An XES Synergix 8825/8830 Printer with AccXES Controller and firmware version 2.0 or higher. Firmware 4.0 is needed to access Advanced functions such as Printer Accounting, Mismatch Mode, and Plot Nesting.

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## Before You Start

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### Check your Workstation's Protocol

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To set up a networked XES Synergix 8825/8830 printer through the new AutoCAD 2000 Plotter Manager, you must have either the TCP/IP protocol or IPX protocol (and required services) installed on your workstation. To verify this, perform the Protocol Checking Procedure.

To set up a direct parallel connection from your workstation to the XES Synergix 8825/8830 printer, you can skip the Protocol Checking Procedure and move on to printing a PRINTER CONFIGURATION Test Print.

### Protocol Checking Procedure

#### WINDOWS 95/98

1. At the desktop, right mouse click on **Network Neighborhood**, select **Properties**, select the **Configuration** Tab and verify that the **TCP/IP** protocol or **IPX** protocol is shown in the displayed list.
2. If your protocol is NOT shown in the list you will have to install it. Click the **Add...** button, select **Protocol**, click the **Add...** button, select **Microsoft** (TCP/IP) or **Novell** (IPX), select the protocol, and click **OK**.

*Note: If the setup program fails to find the required files, you will have to click **Have Disk...** to load the protocol from the Operating System installer disk for this workstation.*

3. If using IPX, verify that **Novell NetWare Client 32** (service) is installed. Do NOT use Microsoft Client Service for NetWare as AutoCAD does NOT support it.

*Note: If this service is NOT installed you will have to click **Have Disk...** to load the service from the appropriate installer disk. Consult your System Administrator for assistance.*

#### WINDOWS NT 4.0

1. At the desktop, right mouse click on **Network Neighborhood**, select **Properties**, select the **Protocols** Tab and verify that the **TCP/IP protocol** or **IPX protocol** is shown in the displayed list.
2. If the protocol is NOT shown in the list you will have to install it. Click the **Add...** button, select the **TCP/IP** or **IPX** protocol from the displayed list, and click **OK**.

*Note: If the setup program fails to find the required files, you will have to click **Have Disk...** to load the protocol from the Operating System installer disk for this workstation. Consult your System Administrator for assistance.*

3. Click on the **Services** TAB to verify the presence of required support services for installed protocols.
  - If using TCP/IP, verify that **Microsoft TCP/IP Printing services** are installed.
  - If using IPX, verify that **Novell NetWare Client 32** is installed. Do NOT use Microsoft Client Service for NetWare as AutoCAD does NOT support it.

*Note: If the required services are NOT installed you will have to click **Have Disk...** to load the service(s) from the appropriate installer disk. Consult your System Administrator for assistance.*

# Check the Printer's Protocol

In order for the workstation and printer to successfully communicate over a network, the protocol being used by both devices **MUST** be identical. Check the protocols that are currently enabled at the printer by printing a **PRINTER CONFIGURATION** Test Print.

## Print a PRINTER CONFIGURATION Test Print

1. While the Printer is **NOT** printing, at the Control Panel press the **ONLINE**  key. **PAUSED** will be displayed.
2. Press the **ENTER**  key and the **UTILITIES** menu will be displayed.
3. Press the **ENTER**  key and the **TEST PRINT** menu will be displayed.
4. Press the **ENTER**  key again and **<ALL>** will be displayed.
5. Press the **NEXT**  key as many times as required to choose the **PRINTER CONFIGURATION** Test Print.
6. Press the **ENTER**  key again to enable the selected Test Print, and the displayed menu will return to **UTILITIES**.
7. Press the **EXIT** key twice and the display will return to **PAUSED**.
8. Press the **ONLINE**  key to put the Printer back on line and print out your Test Print(s).

XEROX 8825 PRINTER - CONFIGURATION			
<b>CONTROLLER CONFIGURATION</b>			
RAM (MB):	64	OPTIONAL LICENSES	
CPU:	PPC740-200	POSTSCRIPT LICENSE:	PRESENT
FIRMWARE:	4.0	JOB ACCOUNTING LICENSE:	PRESENT
BUILD NUMBER:	109	SCAN TO NET LICENSE:	PRESENT
FLASH (MB):	8	OPTIONAL FEATURES	
HARD DISK DRIVE (MB):	2157	POSTSCRIPT ENABLE:	ON
POSTSCRIPT PARTITION:	NORMAL	JOB ACCOUNTING ENABLE:	ON
FLOPPY DISK DRIVE:	PRESENT	SCAN TO NET ENABLE:	ON
FAX/MODEM:	NONE	ERROR LOG:	
NETWORK CARD TYPE:	NONE		
NETWORK CARD HW ADDRESS:	XX:XX:XX:XX:XX:XX		
ADVANCED NETWORK STATUS:	READY		
ADVANCED NETWORK HW ADDRESS:	00:00:AA:59:20:BC		
<b>PRINT ENGINE CONFIGURATION</b>			
FINISHER:	NONE	MEDIA USAGE	
PRIMARY LANGUAGE:	US ENGLISH	LINEAR:	414
SECONDARY LANGUAGE:	US ENGLISH	AREA:	947
FIRMWARE:	01.06.01-16	ERROR LOG:	
READY TO POWER SAVER (MIN):	50		
POWER SAVER TO REST (MIN):	150		
RESOLUTION (DPI):	400		
<b>INSTALLED MEDIA</b>			
ROLL 1 SIZE:	ROLL 34 IN	ROLL 2 SIZE:	ROLL 297 MM
ROLL 1 TYPE:	VELLUM	ROLL 2 TYPE:	VELLUM
ROLL 1 STATUS:	FULL	ROLL 2 STATUS:	LOW
<b>COMMUNICATION PARAMETERS</b>			
ETHERTALK ENABLE:	ON	NETBEUI ENABLE:	ON
ETHERTALK PHASE:	PHASE 2	NETBEUI REMARK:	
ETHERTALK TYPE:	LASERWRITER	NETBEUI GROUP:	WORKGROUP
ETHERTALK ZONE:	*	NETBEUI NAME:	
TCP/IP ENABLE:	TCP/IP ADVANCED	SCSI BUS TERM. ENABLE:	ON
TCP/IP IP ADDRESS:	13.240.20.40	SCSI ID:	5
TCP/IP SUBNET MASK:	255.255.254.0	SERIAL ENABLE:	ON
TCP/IP DEFAULT GATEWAY:	255.255.255.255	SERIAL BAUDRATE:	9600
RARP/BOOTP ENABLE:	OFF	SERIAL FLOW CONTROL:	NONE
DHCP ENABLE:	OFF	SERIAL PARITY:	ON
IPX ENABLE:	ON	PARALLEL ENABLE:	ON
IPX NDS ENABLE:	OFF	VPI ENABLE:	ON
IPX SCAN RATE:	1	VPI TIMEOUT ENABLE:	OFF
IPX SERVER NAME:			
IPX ENCAPSULATION:	AUTO		
IPX PRIMARY SERVER:			
IPX NDS TREE:			
IPX NDS CONTEXT:			
<b>SCANNER CONFIGURATION</b>			
TYPE:	XEROX 7346	VENDOR:	XEROX
PRODUCT:	7346	SCANNER USAGE (SQ FT):	37
FIRMWARE:	0057		

Figure 1. The Printer Configuration Test Print

## Refer to the Network Administrator's Guide for More Information

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If you will be changing protocols from an existing working setup, or setting up a new protocol, you should refer to the step-by-step setup instructions provided in the *XES Synergix 8825/8830 Network Administrator's Guide* available on the Internet through [www.xerox.com/drivers](http://www.xerox.com/drivers). To read this document, you will need Adobe Acrobat 3.0 software, or higher, installed on your workstation.

At the drivers web page, using the selection boxes, choose XES Synergix 8825 or XES Synergix 8830, your operating system, your language, and click **Go**. Click on the link associated with *Controller Firmware, Printer Drivers, Client Software, and Documentation*. Click on the link associated with *XES Synergix 8825/8830 Family Products*. Click on the link associated with *Documentation*, and click on the .pdf file (Adobe Acrobat 3.0) associated with the *Network Administrator's Guide* (admine.pdf).

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# Driver Installation

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*Note: The XES Synergix 8825/8830 HDI driver is included as part of the AutoCAD 2000 program installation. No separate driver installation is required. The only requirement is to add a plotter configuration (PC3) file to AutoCAD's Plotter Manager folder as stated next in the **Add a Plotter to AutoCAD** procedure.*

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## Add a Plotter to AutoCAD

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1. Start AutoCAD 2000.
2. Select **Plotter Manager** under the **File** menu.
3. Double click the **Add-A-Plotter Wizard** icon.
4. When the "Introduction" screen displays, click **Next**.
5. When the "Begin" screen is displayed, consider how you will be printing from AutoCAD to the XES Synergix 8825/8830 printer. Available selections are "My Computer" (for parallel cable connections, for example), "Network Plotter Server" (for printing through a network Server), or "System Printer" (for using the standard Windows System Print Driver, instead of this HDI driver).
6. For direct cable connections between this workstation and the XES Synergix 8825/8830 printer, select **My Computer**. For printing through a network Server OR in a peer-to-peer network with NT workstation Sharing enabled, select **Network Plotter Server**.
7. Click **Next**.
8. If you selected "Network Plotter Server," when prompted for a Network Plotter name, click **Browse...** and select your Network Plotter Server from the network tree. Click **OK** to close the "Browse" window, then click **Next**.
9. When the "Add Plotter – Plotter Model" screen is displayed, select **Xerox Engineering Systems** for "Manufacturer" and **XES 8825** or **XES 8830** for "Model." Click **Next**.
10. When the "Import PCP or PC2" screen is displayed, click **Next**.
11. For a directly-connected ("My Computer") printer, when the "Ports" screen is displayed, choose the Port that your printer is connected to and click **Next**.
12. When the "Plotter Name" screen is displayed, accept the default Plotter Name, or enter in a new name, and click **Next**.
13. Click the **Edit Plotter Configuration** button on the "Finish" screen to display the Plotter Configuration Editor dialog with its "General," "Ports," and "Device and Document Settings" Tabs. Review the settings, which you can change later as explained in the Driver Configuration section of this Guide. Click **OK**.
14. Click **Finish** and a plotter icon (XES 8825 or XES 8830) will be added to the "Plotter Manager" screen in AutoCAD (similar to the "Printers" screen in Windows 95/98 or Windows NT 4.0).

## Driver Configuration

The Plotter Configuration Editor dialog—with its “General,” “Ports,” and “Device and Document Settings” Tabs—is first seen when the **Edit Plotter Configuration button** is clicked at the end of the *Add a Plotter to AutoCAD* procedure.

The Plotter Configuration Editor dialog is also available at any time within AutoCAD by selecting **File**, selecting **Plot (or Page Setup)**, selecting your **XES Plotter Name** from the drop-down list, and clicking the **Properties...** button.

This dialog enables you to configure the specific settings supported by your printer's HDI driver. Select any one of the three available Tabs to determine which settings you would like to review or modify.

## Tabs of the Plotter Configuration Editor Dialog

The Plotter Configuration Editor Dialog contains three tabs.

1. **General Tab** – This Tab contains basic, read-only information about your printer. The information was stored in the PC3 file you created when you first used the “Add-A-Plotter Wizard” to add this printer to AutoCAD's Plotter Manager. The Tab also includes a text box that lets you enter or edit information that is descriptive about this printer.
2. **Ports Tab** – This Tab allows you to review or change the local or network port that you use to send files to your printer. The Tab also allows you to select a method of printing (to the Port, to a File, or to AutoCAD's Spooling Utility). Note: If your files are printing correctly, then the settings on this Tab do NOT need to be changed.
3. **Device and Document Settings Tab** – This Tab allows you to review or modify such settings as: Media selection, Graphics (printed output)

properties, Custom Properties (features specific to this printer), and User-defined Paper Sizes & (Plotter) Calibration (if needed).

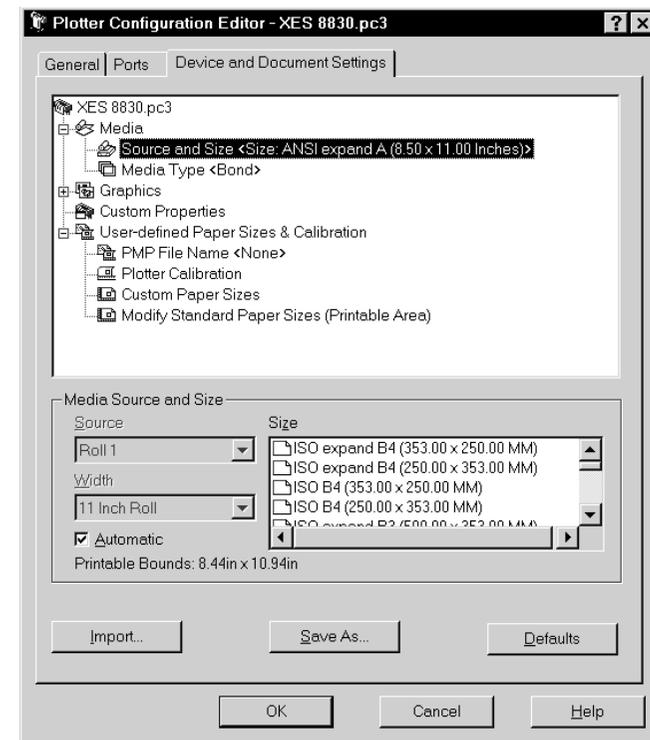


Figure 2. The Plotter Configuration Editor Dialog

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## Driver Configuration (continued)

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### Parameters of the General Tab

This Tab contains basic, read-only information about your printer. The information was stored in the PC3 file you created when you first used the “Add-A-Plotter Wizard” to add this printer to AutoCAD’s Plotter Manager.

The Tab also includes a text box that lets you enter or edit information that is descriptive about this printer.

#### READ ONLY DISPLAYS

**Plotter Configuration File Name** - Displays the file name you assigned in the Add-a-Plotter wizard.

**Driver Information** - Displays the following information:

- Plotter driver type: System (e.g. Windows driver) or Non-System (e.g. HDI AutoCAD driver), Name, Model, and Location
- HDI Driver File Version Number (AutoCAD specialized driver files)
- UNC Name of the Network Server (if the plotter is connected to a network server)
- I/O Port (if the plotter is connected locally)
- Name of the System Printer (if the configured plotter is the system printer)
- PMP (Plot Model Parameters) file name and location (if a PMP file is attached to the PC3 file)

#### USER CONFIGURABLE PARAMETER

**Description** – This text box lets you enter or edit information that is descriptive about this printer (plotter). When done entering or editing descriptive text, click **OK**. The description will be saved and displayed the next time you select the “General” Tab of the Plotter Configuration Editor dialog.



**Figure 3. General Tab of the Plotter Configuration Editor Dialog**

## ***Driver Configuration (continued)***

### Parameters of the Ports Tab

This Tab allows you to review or change the local or network port that you use to send files to your printer. The Tab also allows you to select a method of printing (to the Port, to a File, or to AutoCAD's Spooling Utility). Note: If your files are printing as desired, then the settings on this Tab do NOT need to be changed.

#### **Plot to the Following Port**

Sends the drawing to the plotter through the specified port.

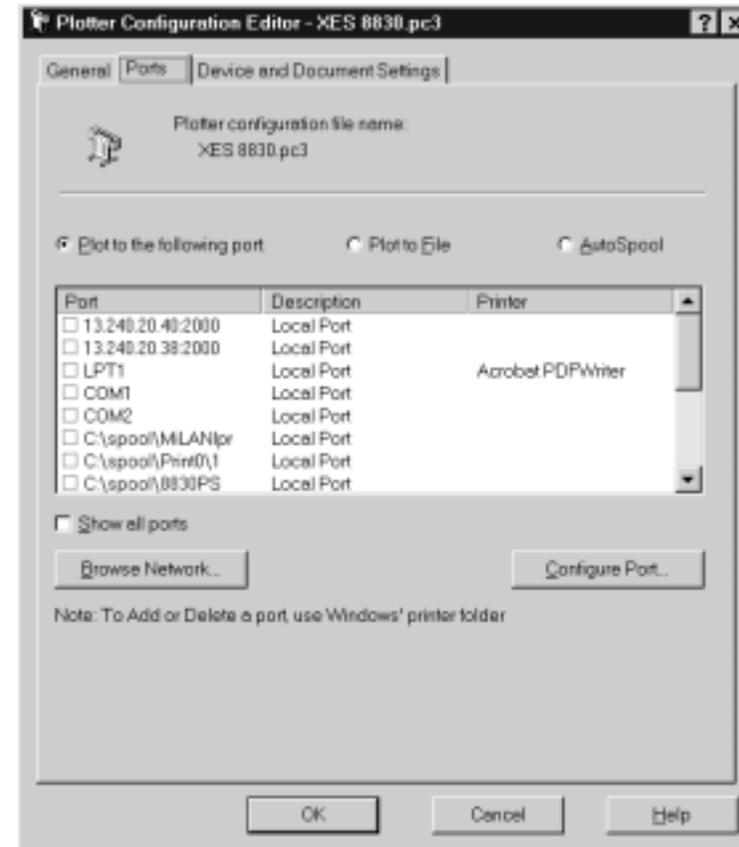
#### **Plot to File**

Sends the drawing to the file specified in the Plot dialog box.

#### **AutoSpool**

Uses the AutoSpool utility to plot the drawing. AutoSpool is specified on the **Files** Tab of the **Options** dialog, accessed through the **Options** button of the **Plot Device** Tab of the Plot (or Page Setup) screen. The Plot (or Page Setup) screen is the screen with the Properties button that you clicked to get here to a Tab of the Plotter Configuration Editor dialog.

*Note: For complete information on the use of AutoSpool, refer to AutoCAD's On-Line Help and select "AutoCAD Installation Guide," "Configuring Plotters and Printers," "Overview," and "Using AutoSpool."*



**Figure 4. Ports Tab of the Plotter Configuration Editor Dialog**

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## ***Parameters of the Ports Tab (continued)***

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### **Port List**

Displays a list and description of available ports, both local and network. If the port is a network port, the name of the network printer is also displayed.

### **Show All Ports**

Shows all available ports on the computer regardless of the ports available on the plotter.

### **Browse Network**

Displays the network browse window for selection of Print Servers or peer-to-peer Sharing workstations providing access to the printer.

### **Configure Port**

Displays either the Configure LPT Port dialog box or the Settings for COM Port dialog box. If you plot through a parallel port, you can specify the timeout value. If you plot through a serial port, you can change the baud rate, protocol, flow control, and input and output timeout values.

*Note: If you plot through a network port, there is nothing to configure.*

## Driver Configuration (continued)

### Parameters of the Device and Document Settings Tab

#### MEDIA

**Source and Size** – When you select this option, the Media Source and Size dialog is displayed at the bottom of the Device and Document Settings window allowing you to select the Source and Size of Media to print on.

- **Automatic Checkbox** – By default, the Automatic Checkbox is selected letting the printer choose the appropriate paper source and size to print your current drawing on. If you deselect this checkbox, make sure to match the **Width** of your installed media to your installed Media **Source** to avoid a mismatch. Depending upon the Width of Media you enter in the Width box, the **Size List** will display all the valid media sizes available for printing.
- **Printable Bounds** – Depending upon which Media Size you select from the Size list, the printable area of your selection is shown here.

**Media Type** – When you select this option, the Media Type dialog is displayed at the bottom of the Device and Document Settings window allowing you to choose Bond, Vellum, or Film as your printing medium. Bond is the default medium.

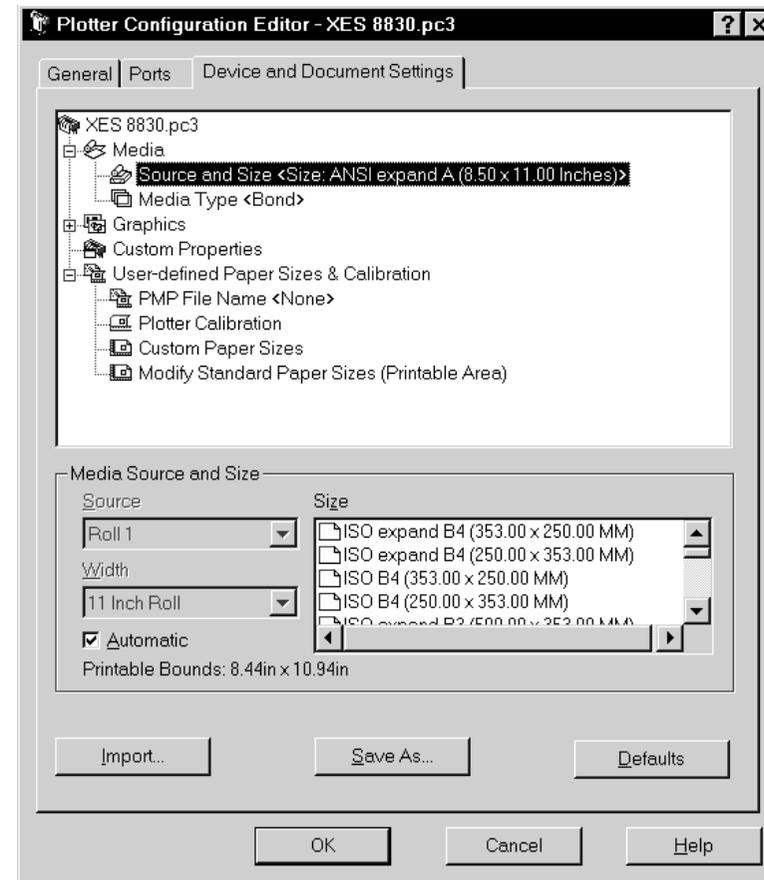


Figure 5. The Device and Document Settings Tab of the Plotter Configuration Editor Dialog

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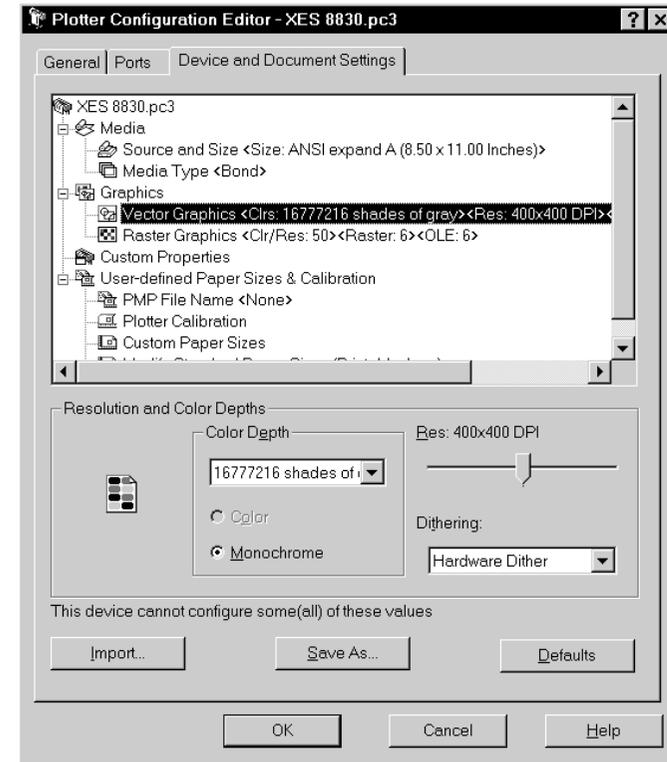
## Device and Document Settings Parameters (continued)

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### GRAPHICS

**Vector Graphics** – When you select this option you can set the color depth, resolution, and dithering parameters of the printer.

- **Color Depth** – As the XES Synergix 8825/8830 printer is a monochrome device, the depth of black rendering that you can set includes: 16777216 shades of gray, 255 Virtual Pens (within AutoCAD), or 2 shades of Gray.
- **Resolution** – The default resolution of 400x400 dpi provides the best printing results with the XES Synergix 8825/8830 printer. Resolution selections include: 300x300, 400x400, and 600x600 dpi.
- **Dithering** – This setting specifies the dithering setting for the printer. Dithering is typically used to add dots to bitmaps to simulate continuous tone. Dithering is always “Hardware Dither” for 16777216 shades and 255 virtual pen selections. For Color Depth of 2 shades of Gray, dithering choices are “No Dither, colors as black”, “Software Ordered Dither”, and “Software Error Diffusion Dither.”



**Figure 6. Vector Graphics Option of the Device and Document Settings Tab**

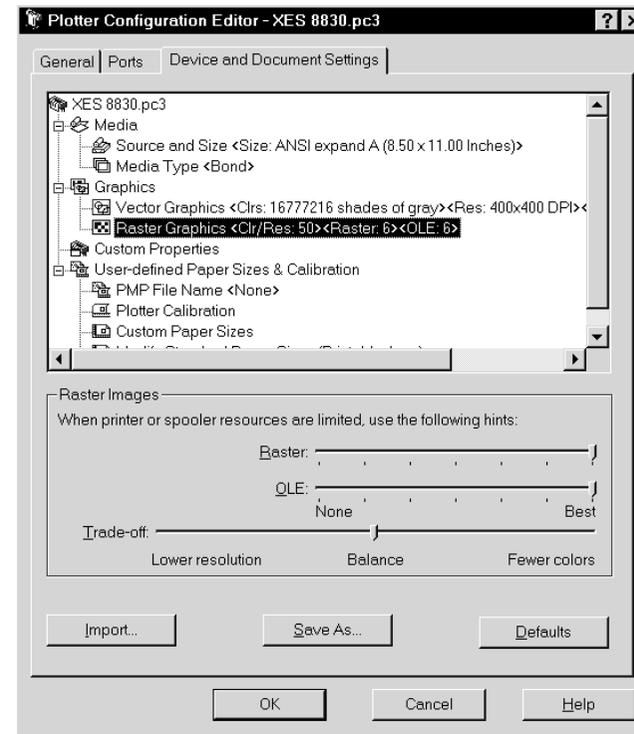
### ***Device and Document Settings Parameters (continued)***

**Raster Graphics** – When plotting raster (bitmap) objects, you can use the slide controls of this selection to specify a compromise between printing speed and printing quality. For example, modifying these settings might be useful when spooling bitmap images to a hard drive with limited storage capacity. In this case, if you reduce printed image quality, you will increase output speed.

**Raster** – Specifies a position on the slider between **Best** bitmap quality printing and **None** (no bitmap image printing). The default for the XES Synergix 8825/8830 printer is Best.

**OLE** – Specifies a position on the slider between **Best** OLE (embedded object) quality printing and **None** (no OLE printing). The default for the XES Synergix 8825/8830 printer is Best.

**Trade-off** – Specifies where to compromise quality if you can't output at the highest quality. Move the slider to the left to lower resolution or to the right to print with fewer colors. The default for the XES Synergix 8825/8830 printer is the center position on the slider.



**Figure 7. Raster Graphics selection of the Device and Document Settings Tab**

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## ***Device and Document Settings Parameters (continued)***

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### **CUSTOM PROPERTIES**

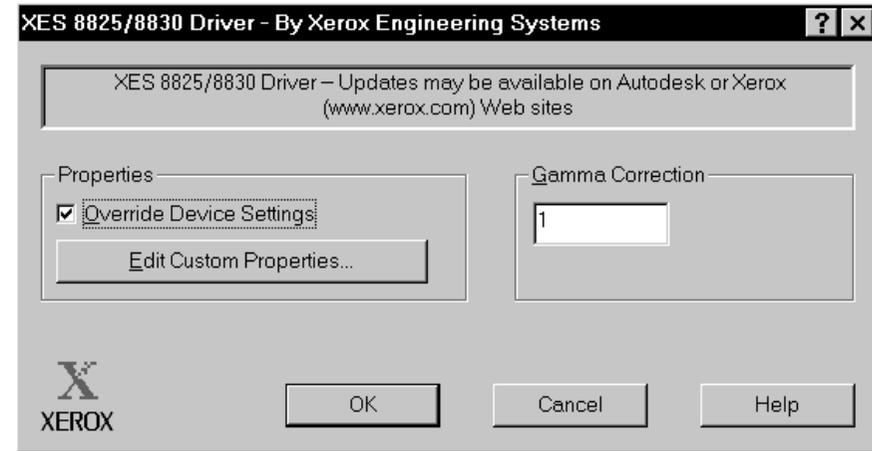
Select **Custom Properties** to display a dialog that allows you to select and change custom printing parameters specifically designed by XES for the XES Synergix 8825/8830 printer.

#### **Override Device Settings**

When this checkbox is selected, the **Edit Custom Properties...** button becomes active. Click the **Edit Custom Properties...** button with your mouse to display the **Custom Properties** dialog, where the selections you make can be used to override the label, option, stamp, and advanced parameters that have been set at the printer's Control Panel.

#### **Gamma Correction**

Gamma Correction adjusts the brightness of an image. You can specify an amount to increase the intensity levels of raster data and, to a lesser extent, vector data. The Raster Gamma Correction value is set to 1 by default, which applies no correction. The range of selections is from 1 to 5.



**Figure 8. The Edit Custom Properties button**

## ***Device and Document Settings Parameters (continued)***

### **TABS OF THE CUSTOM PROPERTIES “CONFIGURATION” DIALOG**

#### **LABELS TAB**

The options presented on this Tab let you determine whether or not to add a label to your printed output. If a label is desired, use these options to choose the parameters to apply to that label.

**Label Choice** – Select one of three available buttons. When **No Labels** are selected, no labels will be printed. When **Printer Default Labels** are selected, the settings of the Printer Control Panel will control label output. When **User Labels** are selected, all settings of the Labels Tab dialog become active letting you define the parameters of the label you wish to use.

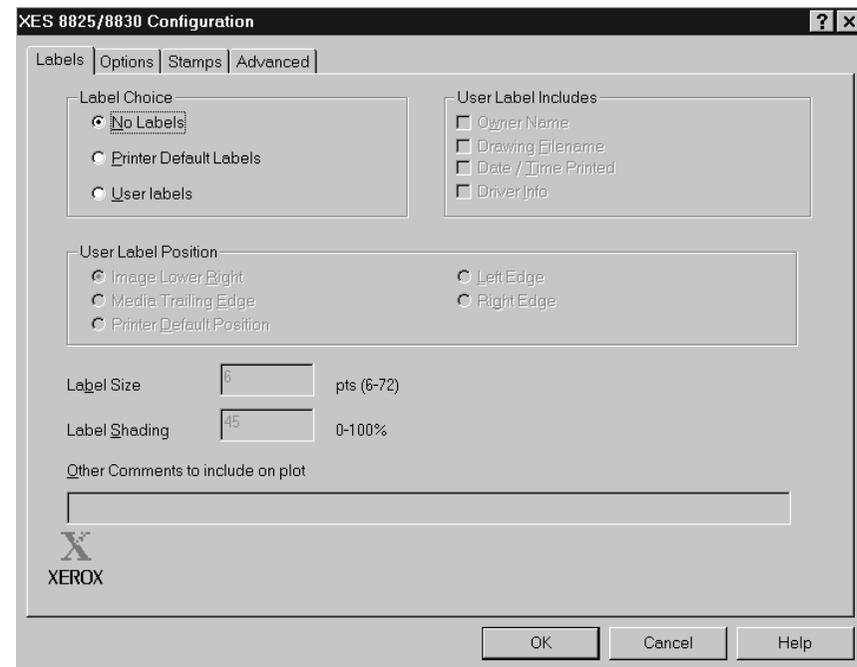
**User Label Includes** – Select any of the 4 available options to include on your label. When **Owner Name** is checked, the Owner Name from the Options Tab dialog is included in the user label. When **Drawing Filename** is checked, the DWG drawing name is included in the user label. When **Date/Time Printed** is checked, the Date and Time (as set on the Printer at time of output) is included in the label. When **Driver Info** is checked, information that identifies the version of this driver is included in the user label.

**User Label Position** – Select any of the 5 available options to define the printed location of your User Label.

**Label Size** – Select this option to define the font (text) size to use for your printed label. The font size range is 6 to 72 points.

**Label Shading** – Select this option to define the percentage of shading to be applied to your label text. The label shading (0 to 100%) applies a grayscale fill to your label text. A 10% shading produces lightly shaded text. A 100% shading produces solid black text.

**Other Comments to include on plot** – Using the text box provided, enter any comments (up to 40 characters) that you would like to include on your printed label.



**Figure 9. Labels Tab of the Custom Properties “Configuration” Dialog**

## Custom Properties “Configuration” Tabs (continued)

### OPTIONS TAB

The parameters presented on this Tab allow you to apply an Owner’s name to plot labels, specify whether intersecting lines are to merge or overwrite, enable mirror image printing, enable banner pages, and select folder options.

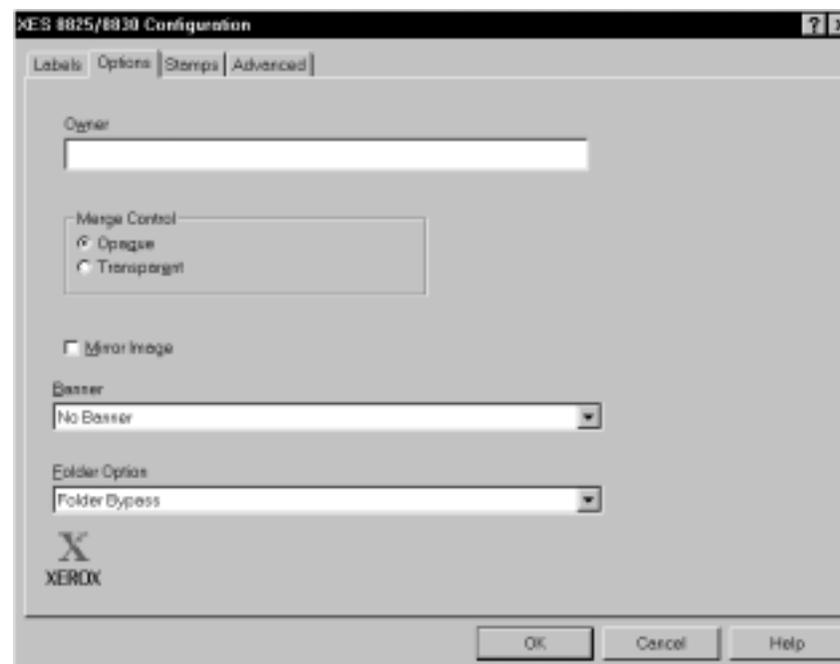
**Owner** – Provides the name of the Owner of a particular print (up to 48 characters), to be shown in the plot label if “Owner Name” is selected as a desired option on the Label Tab.

**Merge Control** – Controls the appearance of crossing lines on your printed drawing. Select **Opaque** to display the halftone of the last plotted vector. Select **Transparent** to have colors merge when vectors cross.

**Mirror Image** – Select this option to enable printing of an image that has been mirrored on a single axis. Mirror Image is generally used for printing on film media, with the image printed on the back of the media and the front of the media available for marking up with a marking tool.

**Banner** – Selection of this option controls banner page printing. Select **No Banner** for no banner page printing. Select **First Page** to print a banner page before your plotted image. Select **Last Page** to print a banner page after your plotted image. No Banner is the default.

**Folder Option** – The Folder Option drop-down menu enables you to control the operation of an optional folder that is directly attached to your printer. Selections include: **Folder Bypass** (no folding), **ANSI Folder**, **ARCH Folder**, or **ISO Folder**. Select your folder type and the size to which you would like your printed document(s) folded. Folder Bypass is the default.



**Figure 10. Options Tab of the Custom Properties “Configuration” Dialog**

## Custom Properties “Configuration” Tabs (continued)

### STAMPS TAB

The options presented on this Tab enable you to control the printing of raster stamps on your drawing. Raster stamps, identified by name, are installed onto the XES Synergix 8825/8830 printer’s hard drive using the Printer Manager Tool. Using this dialog, you can select one of the stamps installed in the printer and specify the stamp’s size and location on the printed drawing.

**Raster Stamp Selection** – Click on the arrow of this drop-down menu to display raster stamp printing options and the name(s) of the raster stamp(s) installed in the XES Synergix 8825/8830 printer. If you select **No Raster Stamp**, raster stamp printing will be disabled. Select **Printer Default Stamp** to print a printer default raster stamp, assuming that one was previously set up using the printer’s Control Panel. Select a **Stamp Name** to print one of the stamps stored on the printer’s hard drive.

*Note: To view a list of stamp names stored on the printer’s hard drive you first have to identify those stamps to the driver. This is accomplished by pressing the **Edit Stamp Names...** button.*

**Edit Stamp Names** – Select this option to inform the driver of the list of stamp names installed in the printer. Once this list has been defined, the stamp names will be available for future selection from the Raster Stamp Selection drop-down list. Up to 8 names, with a maximum of 48 characters each, may be entered in this list. Make CERTAIN to match the names entered here with the names of the stamps stored in the printer.

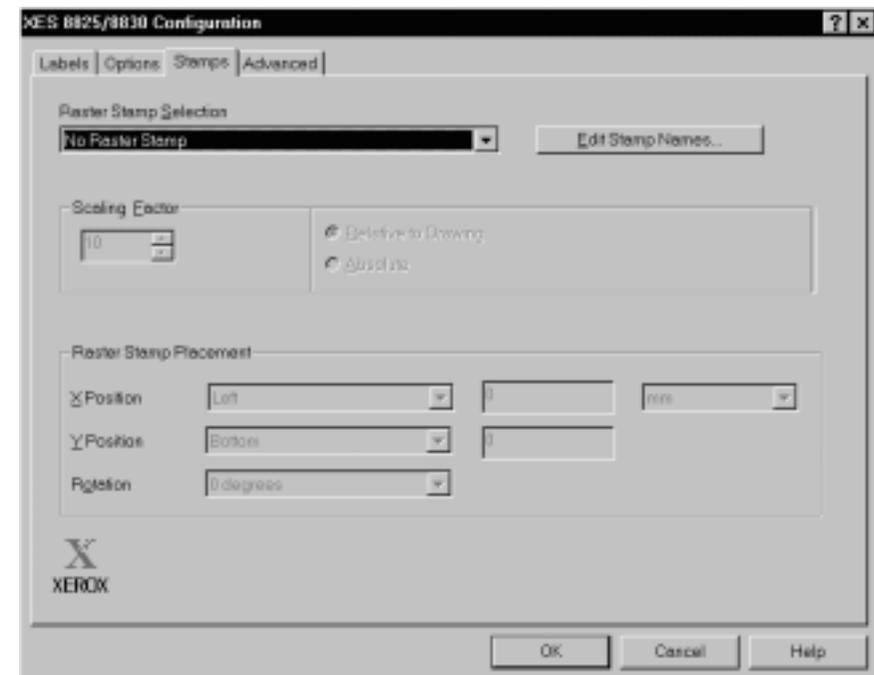


Figure 11. Stamps Tab of the Custom Properties “Configuration” Dialog

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## ***Custom Properties Stamps Tab (continued)***

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**Scaling Factor** – To activate this parameter you must select a stamp name from the Raster Stamp Selection drop-down list. Choose this option to control the printed size of the selected raster stamp. A scaling percentage ranging from 10% to 999%, in 1% increments, may be selected.

**Raster Stamp Placement** – To activate this parameter you must select a stamp name from the Raster Stamp Selection drop-down list. Choose Raster Stamp Placement to control the printed location of the selected raster stamp.

Drop-down list choices for X & Y position, as well as stamp rotation, are as follows:

**X Position:** Left, Center, Right, or Absolute.

**Y Position:** Top, Center, Bottom, or Absolute.

**Rotation:** 0, 90, 180, or 270 degrees.

*Note: Choices of Absolute for either X Position or Y Position enables the respective entry boxes to the right of the drop down lists. Select the units of measure to be used (Inches or mm) from the drop-down list. Enter a value from 0-1200 inches (0 – 30480 mm) in the boxes supplied.*

## Custom Properties “Configuration” Tabs (continued)

### ADVANCED TAB

Supported by printer Firmware v 4.0 (or higher), the options on this Tab allow you to work with such advanced printer features as Printer (Job) Accounting, (Media) Mismatch Mode, and Plot Nesting.

#### Printer Accounting

Working with the Job Accounting parameters set up at the Printer Control Panel by your System Administrator, the driver's Printer Accounting drop-down menu offers the following choices:

**Enable Accounting** – Sends the Account/Sub-Account Numbers entered in the Account and Sub-account boxes to the printer with your job.

**No Accounting** – Does not send the Account/Sub-Account Numbers entered in the Account and Sub-account boxes to the printer with your job. Note that if Job Accounting is enabled at the Printer, your job will NOT print and an error page will be generated.

**Prompt Accounting** – Disables account number fields. You will be prompted for an Account/Sub-Account Number for the current job.

*Note: When Enable Accounting is activated, the Account number field must be in the range 0-999999 and the sub-account number field must be in the range 0-9999.*

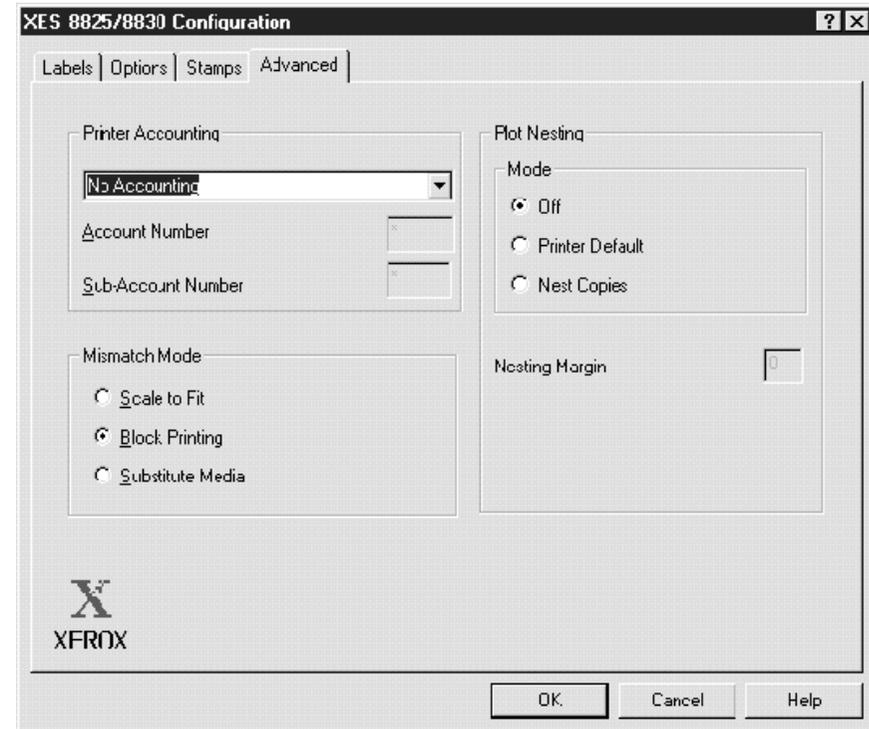


Figure 12. Advanced Tab of the Custom Properties “Configuration” Dialog

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## ***Custom Properties Advanced Tab (continued)***

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**Mismatch Mode** – Working with the (Media) Mismatch Mode parameters set up at the Printer Control Panel by your System Administrator, select one of three available radio buttons to determine how you would like to handle mismatches between your job's media type or size and media types or sizes installed in the printer.

**Scale To Fit** – Scale to Fit will scale the size of your job to the nearest, printer-installed media to your requested print size.

**Block Printing** – Block Printing will cause the printer to hold a media mismatched job until the proper media has been installed in the printer. Depending upon how the System Administrator has set up the Mismatch parameters at the Printer Control Panel, the mismatched job will either halt printing or send the job to a mismatch queue for later recall and media size or type resolution.

**Substitute Media** – Substitute Media will substitute a media size or type on which to print the requested, mismatched job in either a 1 to 1 ratio or scaled to fit currently installed media. This is a “print at all costs” option.

**Plot Nesting** – Plot Nesting nests multiple print jobs on single sheets of media to minimize the amount of media used. Selectable options include:

**Off** – The printed job will not be plot nested.

**Printer Default** – The job is plot nested based upon the Plot Nesting parameters previously set up at the printer's Control Panel.

**Nest Copies** – Multiple copies of the current job will be nested on a single media sheet.

**Nesting Margin** – Sets the physical space (margin) between plots in a nested job. The range for this option is 0 mm through 25 mm.

## ***Device and Document Settings Parameters (continued)***

### **USER-DEFINED PAPER SIZES AND CALIBRATION**

This selection can be used to attach a PMP file, containing plotter calibration or custom paper size information, to your plotter (PC3) file, stored in the Plotter Manager Folder of AutoCAD.

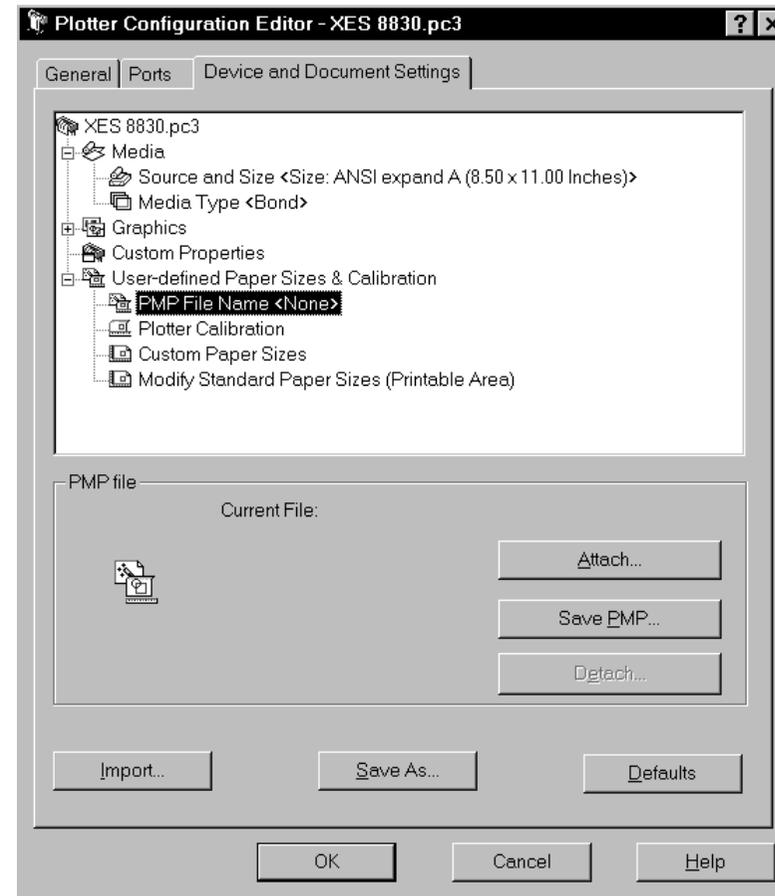
Available Options include:

- **PMP File Name** – This option lets you attach or detach a PMP file to your PC3 (printer) file for purposes of customized printing. For example you might wish to temporarily modify the printable area (margins) on a standard paper size used to print one or more jobs.
- **Plotter Calibration** – This option starts the Plotter Calibration wizard for the purpose of correcting scaling errors between drawings in AutoCAD and printed output.

*Note: As Plotter Calibration causes AutoCAD to re-scale all plots sent to the printer, calibration should ONLY be performed if your drawings must be exactly to scale and the printer is producing inaccurate plots.*

- **Custom Paper Sizes** – This option creates a customized paper size or changes the printable area of a standard or nonstandard paper size. A PMP file will be created as a result of using this option.
- **Modify Standard Paper Sizes** – This option lets you modify the printable area of standard paper sizes. A PMP file will be created as a result of using this option.

For full information about these options, select the option and click AutoCAD's Help button. In the Help window, select "Device and Document Settings Tab," then select "Calibration Files and Paper Sizes Node."



**Figure 13. User-Defined Paper Sizes and Calibration Options**

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# Plotting within AutoCAD

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When you first select "Plot" from the File menu of AutoCAD, you will be presented with the "Plot" screen containing TWO Tabs.

The Tab labeled "Plot Device" contains the Plotter Name drop down list and the "Properties" button providing access to the "Plotter Configuration Editor Dialog." Note that this Tab also contains the "Plot style table" for configuring pens in AutoCAD.

The Tab labeled "Plot Settings" displays additional parameters which are associated with printing in AutoCAD. Before printing, make sure to review all of the parameters contained on BOTH Tabs.

For specific help with plotting, select AutoCAD Help from the Help menu.

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## Deleting a Plotter from AutoCAD

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To delete a Plotter (configuration file) from AutoCAD, use Windows Explorer as follows:

1. From Start\Programs, open Windows Explorer.
2. In Windows Explorer, open the "Program Files" folder.
3. In the "Program Files" folder, open the folder associated with AutoCAD 2000.

*Note: If you upgraded from a previous version of AutoCAD, the folder may be identified with the label from your previous version (AutoCAD R14, for example).*

4. In the "AutoCAD" folder, open the "Plotters" folder.
5. Locate the ".pc3" file associated with the printer that you want to delete.
6. Select the ".pc3" file with your mouse and press your keyboard's **Delete** button to send the file to your recycle bin.
7. Close Windows Explorer.

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