

## **KIP AutoCAD HDI driver**

### **AutoCAD 2000 / 2000i / 2002 / 2004 / 2005**

Version 2.44, Document Release 5.5.2004.3

#### **Upgrade Information for Powerprint 5.5**

There is no change in the installation or working of the HDI driver for Powerprint 5 SR3

The KIP HDI driver 2.44 continues to spool data directly to the Printer via the Printer port created with the installation of the KIP windows driver. The KIP HDI driver users (2.28 and below), must first upgrade the Windows driver before they can use this feature.

The conventional HDI driver requires Users to link to the Powerprint Request software to get Printer status for printing. Users of this HDI will get Printer status information via the KIP Port and submit directly to the Port for printing. Linking to the Powerprint Request is available, but not mandatory. A single step change where the modification is done is shown in the installation procedure ahead.

#### 1. Overview and Features

The KIP AutoCAD HDI has been designed to quickly and effectively plot to your KIP directly from the AutoCAD interface under Windows operating system. Features and functionality of this driver can work in tandem with our Powerprint Request software for added power and flexibility, or as a stand-alone entity.

#### 2. Link Options

##### **Link to KIP Port**

Users have the flexibility of linking to Powerprint Request and send their Print requests via **the KIP Port** directly to the KIP Print engine.

##### **Powerprint Request**

Allowing the KIP HDI driver to interface with Powerprint Request provides the most versatile and powerful printing solution from AutoCAD versions 2000/2000i/2002/2004/2005. Powerprint Request is KIP America's document submission tool that allows for complete and comprehensive control over printing / plotting.

This software can operate on several remote workstations simultaneously. With Powerprint Request, users have the ability to obtain real-time printer/plotter status, submit collated job sets, password protect these submissions based on user and job information, apply custom made stamps, activate folder equipment, and modify job descriptions. The KIP HDI driver was designed to take advantage of, and dynamically link to, Powerprint Request, bringing many of these key features to the AutoCAD interface. It is recommended that the KIP HDI driver be configured in this manner. If you opt not to link with Powerprint Request, certain features of the KIP HDI driver will not be available to you (i.e. real-time printer status, password protected pull-down menus, on-the-fly stamping, and automated spooling). This document assumes that Powerprint Request is utilized and installed properly. Installation instructions and further documentation for Powerprint Request are located on your Powerprint software compact disc that came with your KIP system.

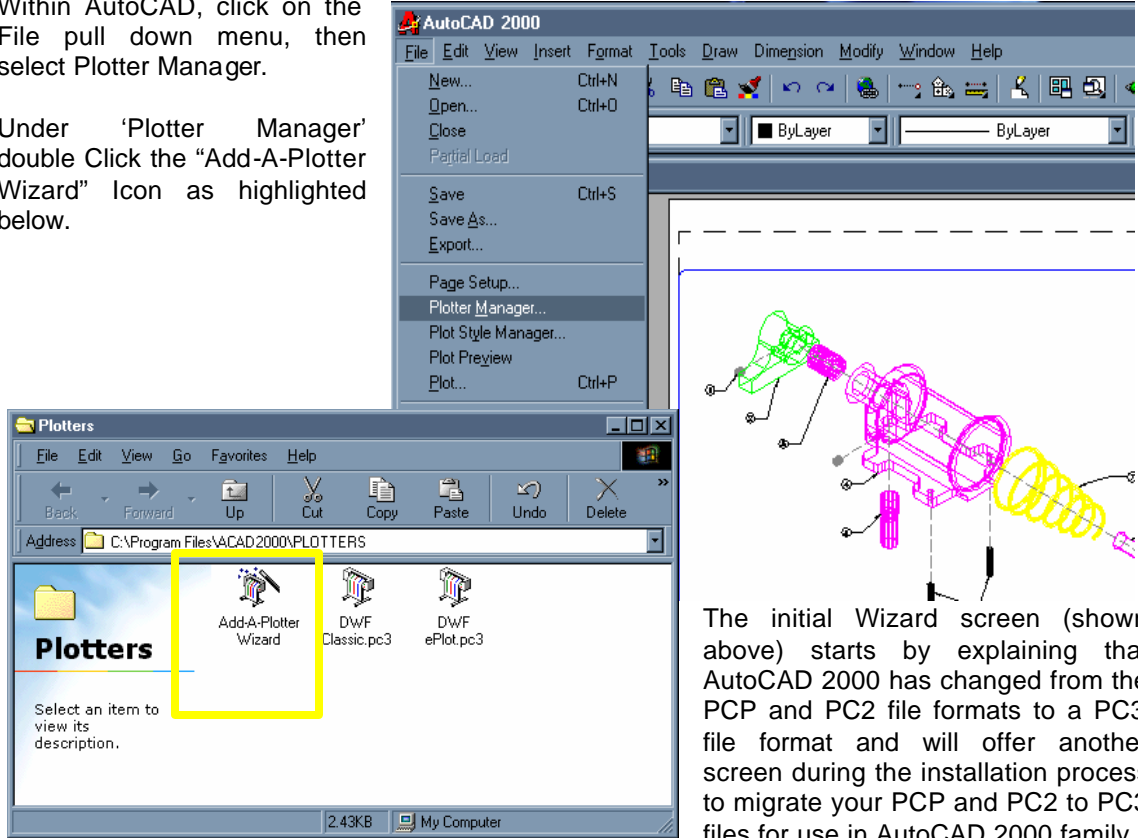
##### **Plot-to-file**

The KIP HDI driver can also function as an output to file device. Whereas this is a viable option to print, it is the least recommended, simply because each and every print will need to be directed to a specific "monitor path" manually, and creates additional steps for the user. AutoCAD has an option to "plot to file" within it's print dialogue window, and this must be activated for each print.

### 3. Initial Installation

Within AutoCAD, click on the File pull down menu, then select Plotter Manager.

Under 'Plotter Manager' double Click the "Add-A-Plotter Wizard" Icon as highlighted below.

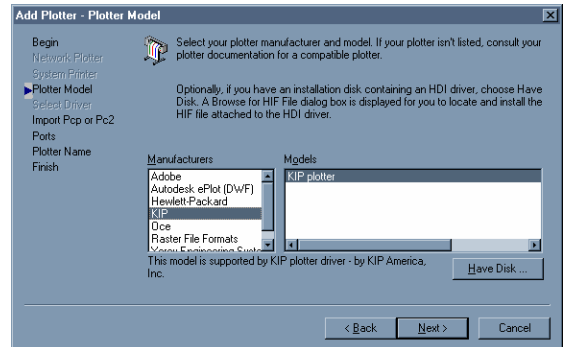
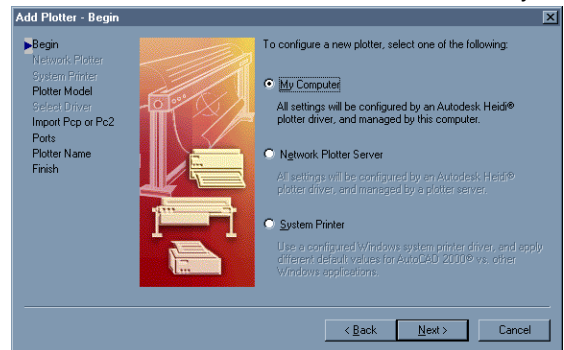


The initial Wizard screen (shown above) starts by explaining that AutoCAD 2000 has changed from the PCP and PC2 file formats to a PC3 file format and will offer another screen during the installation process to migrate your PCP and PC2 to PC3 files for use in AutoCAD 2000 family.

Choose "My Computer" to install the driver to your local computer.

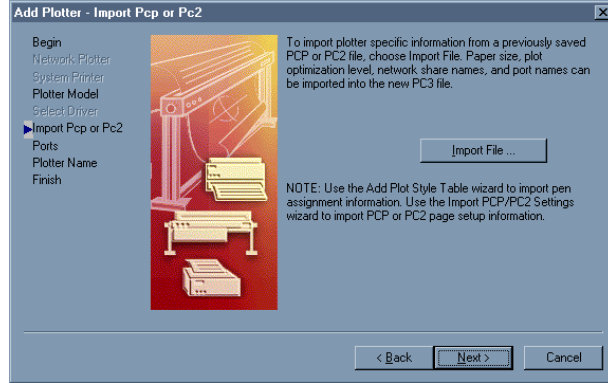
The next step is to identify your plotter model. If KIP is in the list, simply select KIP from your list of manufacturers and click "Next." If KIP is not in the list, click the "Have Disk" button and you will be able to browse for the plotter driver from your KIP Powerprint Ghost CD. The file you are searching for is located in the Drivers\KIP HDI folder and should appear as KIP6.hif. Once you have pointed to this file KIP should appear in the list and you may select it from your list of manufacturers and then click "Next."

**IMPORTANT: KIP6.hif is used as the driver file for AutoCAD 2000, KIP7.hif is used as the driver file for AutoCAD 2000i and AutoCAD 2002 and KIP8.hif is used for AutoCAD 2004 and 2005.**

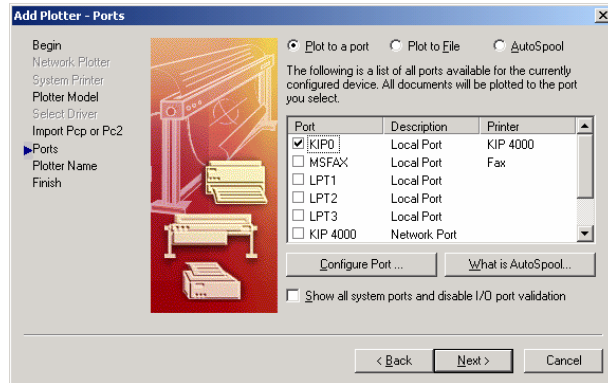


This next screen is the PCP and PC2 importation screen (as discussed earlier.) This screen allows users of previous AutoCAD versions to import their PCP and PC2 files to the AutoCAD 2000 family PC3 file format for use in the AutoCAD 2000 product.

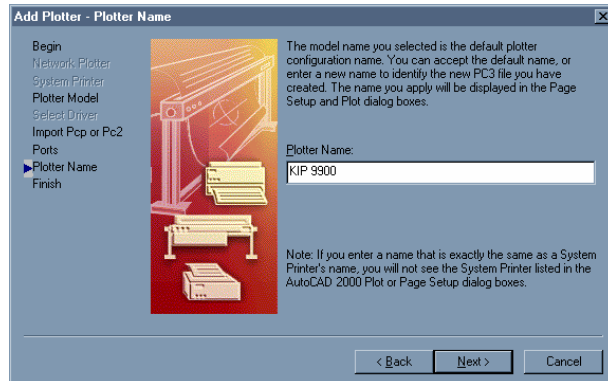
If the user does not wish to migrate or do not have any PCP or PC2 files, click the "Next" button and proceed with the installation.



Next, we will specify that we wish to plot to a port. Select 'KIP0', which is the Port created at the time the KIP Windows driver is installed.

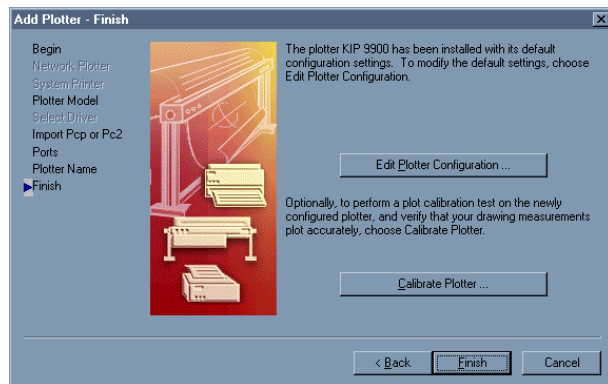


Specifying the plotter's name is next. Since all the KIP plotters use the same driver, user could set up a plotter name for each KIP device. We recommend you use the nomenclature of your KIP machine to identify the plotter's name.



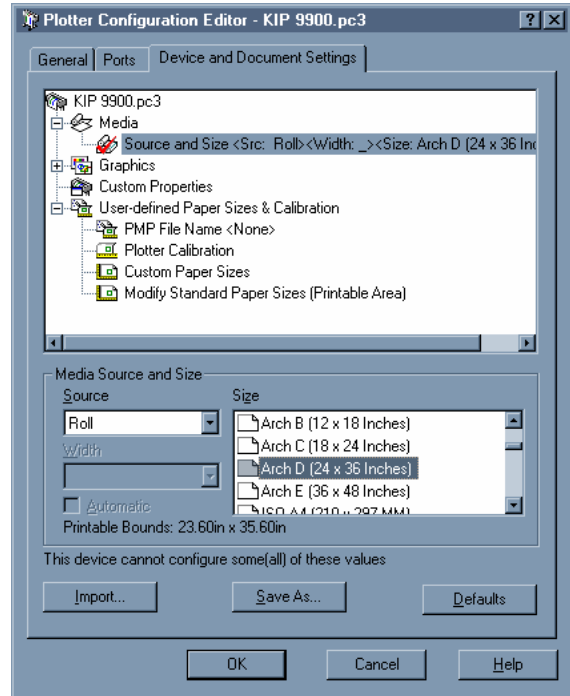
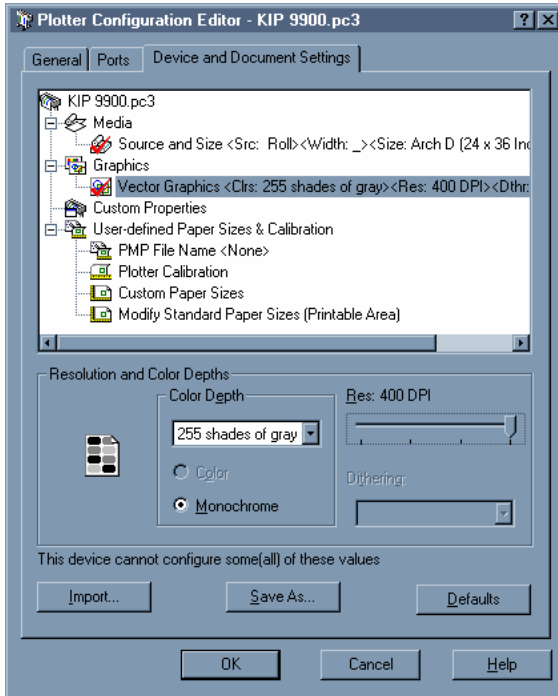
Lastly, to finish the installation, click the "Finish" button. Plotter configuration can come later and there is no need to "Calibrate Plotter" as the KIP printer is manually calibrated during installation.

Once installation is complete, user will notice in the Plotters dialog box the creation of a .PC3 file for the plotter that was added. Next, we will discuss configuration of this driver.



#### 4. Configuration

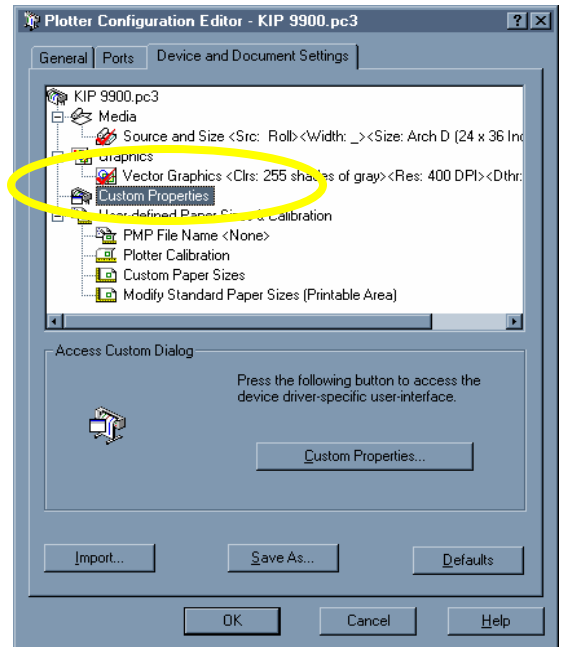
By double-clicking the .PC3 file user can open the Plotter Configuration Editor. Navigate to the Device and Document TAB and click the + sign next to the “Media” Icon. This will open up the Media options and allows to choose the Media Source (which is “Roll”) and Media Size (which in this case is “Arch D 24x36 inches.”)



Next, click the + sign next to the “Graphics” icon. This will open up the Graphics options and allows to choose the Color Depth (in this case “255 shades of gray”) and the resolution (in this case “400 dpi.”)

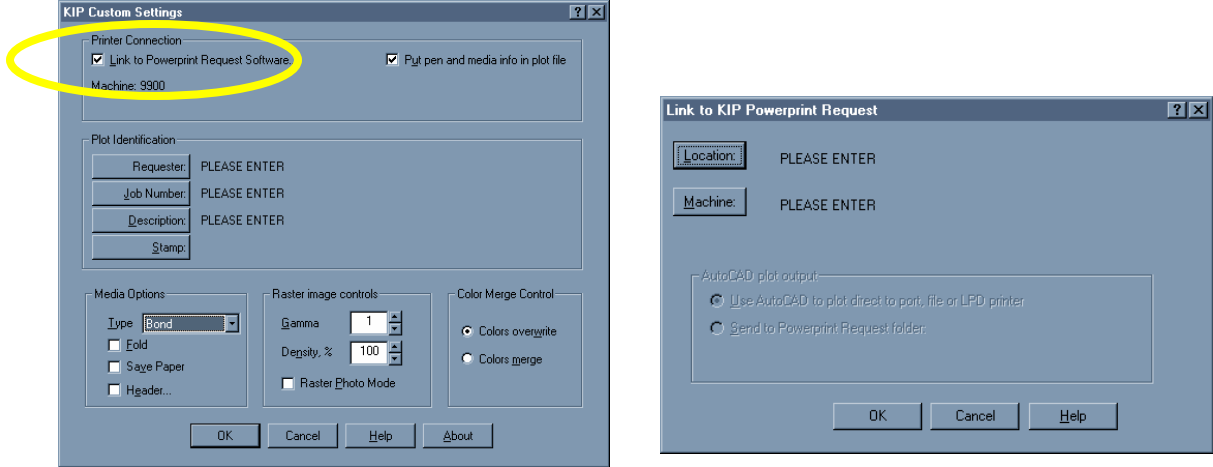
Next, click the “Custom Properties” icon

By clicking the “Custom Properties” button user would see the KIP Custom Settings dialog box. A number of the features of the KIP Powerprint Request software have been directly integrated into our HDI driver; these features are enabled by “linking” the HDI driver to the Powerprint Request software.

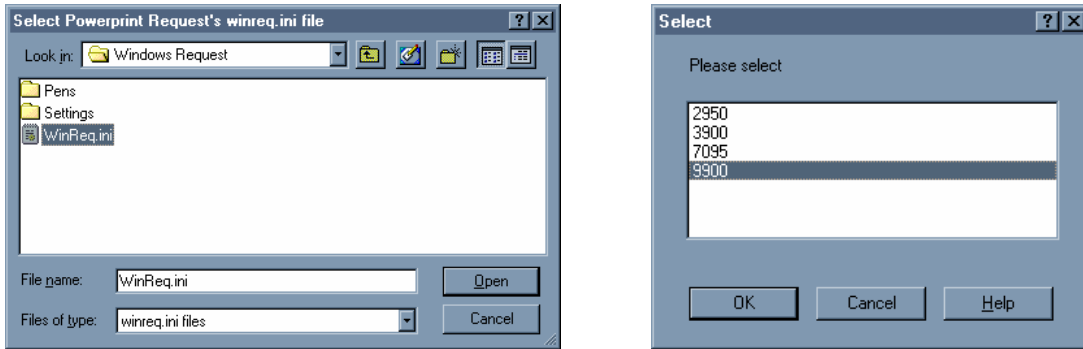


By clicking the “Link to the Powerprint Request Software” checkbox, user will be asked to locate the Powerprint Request .ini file (this is the file the HDI driver uses to employ the Powerprint Request features.)

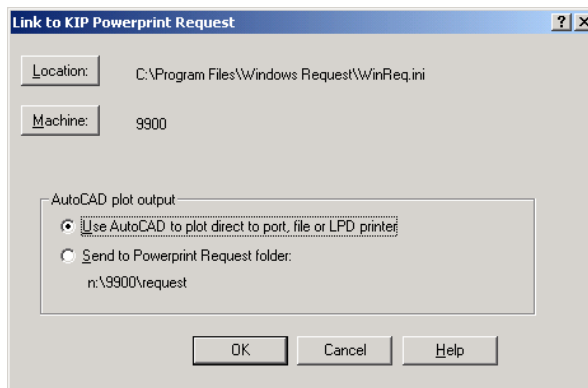
The following dialog box requires the user to locate the winreq.ini file. Click on the “location” button at this point.



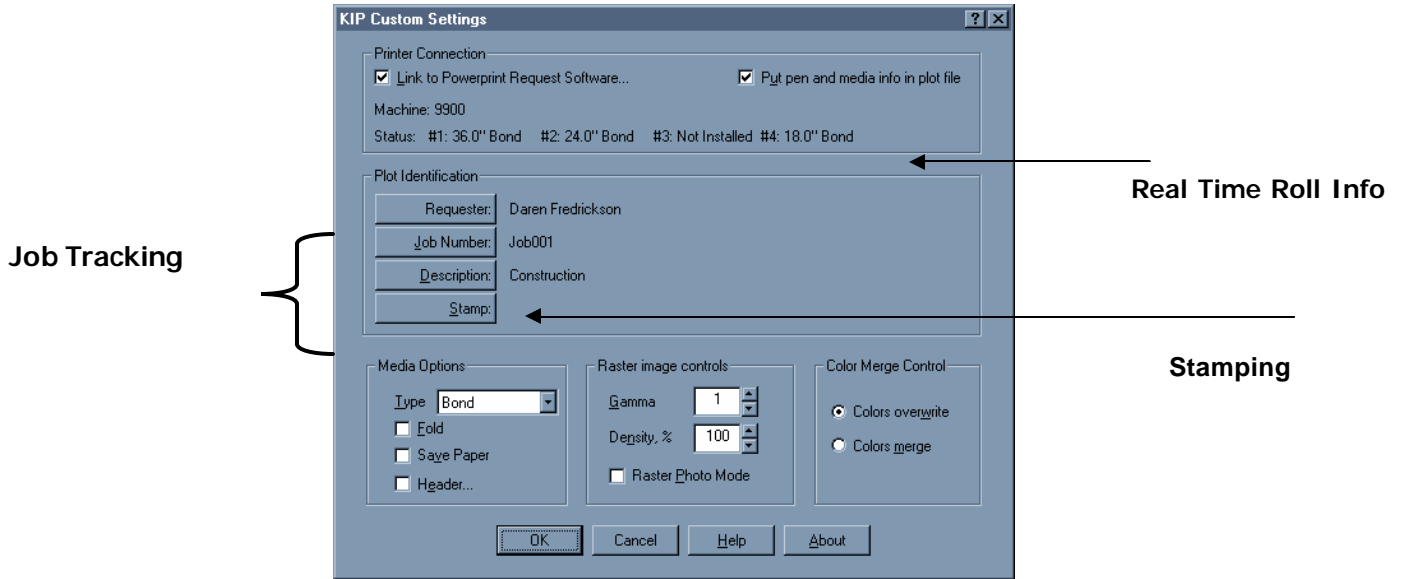
If Request is installed it should point to the default location, which is C:\Program Files\Windows Request. Next, click the “Machine” button, this will bring up a list of all of the machine types one has listed and points to which machine the user would like to link to. (This also follows the monitor path for the machine selected.)



Your last step in linking the HDI driver to the Powerprint Request software is to select an output method. Users are recommended to choose to send the file to the KIP Port.

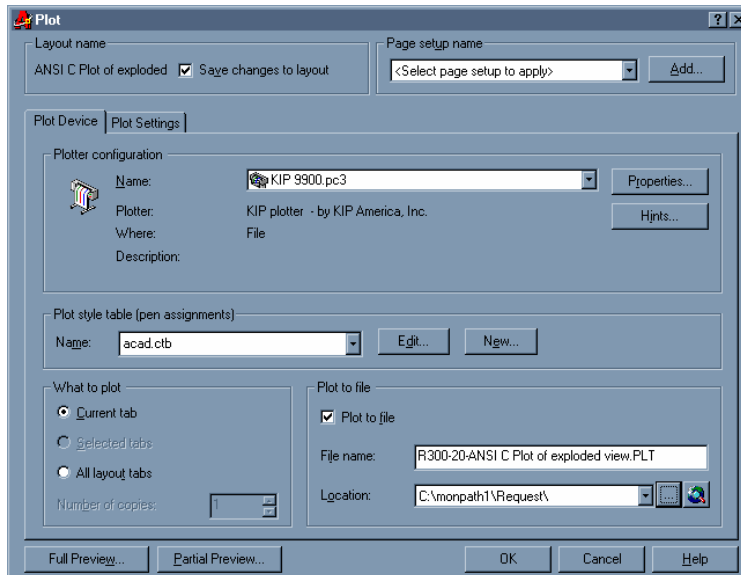


Click on “OK” to finish the linking of the HDI to Powerprint Request. The KIP custom settings dialog box should be back and user would see Real Time Roll Status from the KIP printer. Users have the ability to expertly track printing from the AutoCAD application by Requester, Job Number, and Description. Users also have the ability to add a stamp to your document from the HDI.



## 5. Plotting

After the configuration of the HDI driver, users are ready to plot. Once ready with the original drawing and ready to send to the KIP printer, select PLOT from ‘File’ menu



Under the Plot Device TAB, ensure that the correct .PC3 is selected.

For plotting to file, check that “plot to file” box is checked and the location for the file is specified to the Monitor Path. The example above points to the C:\Monpath1\Request.

## 6. Setup of New Accounting Features

Specialized names or masks can be used for the accounting data fields in the Custom Properties of the KIP AutoCAD Driver (Requester, Job Number, and Description):

### **Specialized Mask Names and Rules**

dwgname

dwgpath=x\x\x\x where = sign and following is optional mask to select path elements.  
**x replaced by # includes that element of path to be used in accounting data.**

These customized names can be assigned to the mask elements using all normal methods. For example: AutoCAD reports drawing path of drawing named "R300-20.DWG" and the path that the file is stored in as:

C:\Program Files\AutoCAD 2000\drawings\R300-20.DWG

If mask item is set to:

Dwgname we get: R300-20 (just the file name)

Dwgpath we get: c:\Program Files\AutoCAD 2002\drawings\ (whole path) as the accounting data.

dwgpath= x\#\x we get: Program Files

dwgpath=x\#\# we get: Program Files\AutoCAD 2002

There are three places that the mask can be entered on the KIP Custom Properties screen. Select AutoCAD Plotter Manager, choose PC3, choose Device and document Settings, and choose Custom Properties. The mask can be used in any combination of the "Requester", "Job Number", and "Description" fields. Both the Requester and Job Number fields by default are recorded into the Powerprint Controller Accounting log. The Job Number field can then be the key field used to query Production Reports directly from the Powerprint Unattend software. The Powerprint Controller log can also be imported into any program that can read ASCII data.

