



## The Envision Group, Inc.

MicroStation & InRoads | EDUCATION•CONSULTING•SUPPORT•VISUALIZATION

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### Printing Combined Keyins

With so many plot drivers, pen tables, and setup options to choose from, users sometime struggle to standardize plots. New keyins were made available in V8 2004 Edition that when combined can automate printing for the user which will help standardize plotting.

By loading a printing keyin to a function key or toolbar you will have a one push button that creates standard plots.

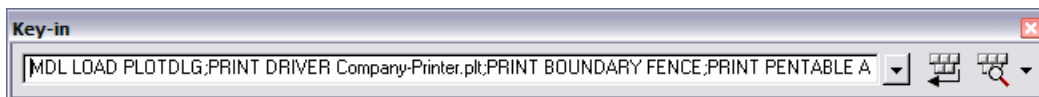
#### Example Print Keyins

```
PRINT PRINTERNAME [printer name]
PRINT DRIVER [print driver file name]
PRINT BOUNDARY FENCE
PRINT PENTABLE ATTACH [pentable file name]
PRINT PAPERNAME [name of paper]
PRINT MAXIMIZE
PRINT FULLSHEET [ON or OFF]
PRINT EXECUTE
PRINT PREVIEW
PRINT DIALOG
PRINT ATTRIBUTES DATAFIELDS [ON or OFF]
PRINT ATTRIBUTES LINEWEIGHTS [ON or OFF]
```

These keyins are just a sample of what is available see Bentley Help for the complete list of printing combined keyins.

In this simple example the eight keyins will submit the print using a fence boundary that has a paper size ANSI C. The MDL keyin is required for the printing keyins to work then each keyin needs to be separated by a semicolon.

```
MDL LOAD PLOTDLG
PRINT DRIVER Company-Printer.plt
PRINT BOUNDARY FENCE
PRINT PENTABLE ATTACH Company-Pentable.tbl
PRINT PAPERNAME ANSI C
PRINT MAXIMIZE
PRINT FULLSHEET ON
PRINT EXECUTE
```





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Taking it one step further you can add keyins to create a saved view and to prompt the user to place a fence prior to sending the plot. The saved view keyin creates a saved view with description. The place fence %D;%D keyin will pause for the user to place two data points in the drawing then will continue with the rest of the keyin string. Also added is a print preview keyin which will allow you to review the print. The actual keyin string would look like this.

```
SV=SAVED PLOT VIEW 1,Company-Printer.plt and Company-Pentable.tbl;SELVIEW 1;PLACE  
FENCE BLOCK; %D; %D; MDL LOAD PLOTDLG;PRINT DRIVER Company-Printer.plt;PRINT  
BOUNDARY FENCE;PRINT PENTABLE ATTACH Company-Pentable.tbl;PRINT PAPERNAME  
ANSI C;PRINT MAXIMIZE;PRINT FULLSHEET ON;PRINT PREVIEW;PRINT EXECUTE
```

[Robert Mecham](#) is a partner with the firm [The Envision Group](#) in Madison, WI. The Envision Group, Inc. is a small, independent company with a 10-year history of providing CADD training and consulting, IT programming and support, and 3-D virtual modeling for government and private organizations both nationally and internationally.