

Revision Date: January 15, 2016

Documentation:

ODOTcadd.pltcfg – Printer Driver Settings

General

Driver:
Bentley Windows printer driver

Notes:
This printer driver is a MicroStation wrapper around the Windows printing system. It is the preferred driver for creating physical printed output.

The Bentley Windows printer driver operates in conjunction with an operating system device driver, provided by either the plotter hardware vendor, Microsoft, Bentley, or another driver developer.

The advantages of printing through a device-specific driver include access to manufacturer-specific features such as host-based color correction and paper handling (stapling, folding, etc.), as well as efficient printing of OLE objects.

The disadvantage of the Windows printing system is that large amounts of raster data can cause less sophisticated device drivers to consume large amounts of host memory and possibly fail.

Rather than use a single printer driver configuration for all Windows printers, Bentley recommends creating a separate printer driver configuration file for each Windows printer you intend to use. Inside each printer driver configuration, specify the appropriate Windows printer name (and other default settings) in the Windows Printer properties.

The printer driver configuration may be also be customized to produce a plot file on disk, or a Windows Enhanced Metafile, rather than printing directly to a plotter.

Base Properties
General

Automatic Centering = True	[Default]
Automatic Open Plot File After Creation = False	[Default]
Default Color Mode = Grayscale	[ODOT setting]
Default Line Cap = Square	[ODOT setting]
Default Line Join = Bevel	[ODOT setting]
Default Number of Copies = 1	[Default]
Default Output Mode = No Preference	[Default]
Default Pen Table File Name = ODOTcadd_Pen.tbl	[ODOT setting]
Default Design Script File Name =	[Default]
Print Style Name =	[Default]

Windows Printer

Default Windows Printer Name =	[Default]
Default Form Name =	[Default]
Default Tray Name =	[Default]
Full Sheet Mode = True	[Default]
Orientation = Default Orientation	[Default]

Default Create Metafile = False	[Default]
Default Print File Name	
File Name =	[Default]
Extension =	[Default]
Auto Increment Extension = False	[Default]
Auto Overwrite File = False	[Default]
Print Border	
Border On = False	[Default]
Border Outline On = False	[ODOT setting]
Include File Name in Border Text = False	[Default]
Include Model Name in Border Text = False	[Default]
Include Date/Time in Border Text = False	[Default]
Border Comment =	[Default]
Border Font =	[Default]
Border Text Offset (cm) = 0.0	[Default]
x = 0	[Default]
y = 0	[Default]
Border Pen = 1	[Default]
Border Text Height (cm) = 0.254	[Default]
Border Width (cm) = 0.025	[Default]
Fence Outline On = False	[Default]
Fence Outline Pen = 1	[Default]
Raster Printing	
Raster Quality Factor (0-100%) = 100	[Default]
Raster Brightness = 0	[Default]
Raster Contrast = 0	[Default]
Print Raster = True	[Default]
Print Raster in Grayscale = False	[Default]
Ignore Color Rule for Monochrome Raster = False	[Default]
Advanced	
Automatic Rotation Direction = Rotate 90 cw	[Default]
Enable Driver Clipping = True	[ODOT setting]
Enable Output Width = True	[ODOT setting]
Enable Path Support = Not defined	[Default]
Level of Detail Mode = Show Range	[Default]
Minimum Level of Detail = 4	[ODOT setting]
Maximum Miter Angle (degrees) = 90	[Default]
Always Rasterize OLE Attachments = False	[ODOT setting]
Optimize Raster Color Depth = True	[Default]
Print Points = True	[Default]
Rasterize Quality Factor (0-100%) = 100	[Default]
Scale Adjustment Factor = 1,1	[Default]
x = 1	[Default]
y = 1	[Default]
Enable Merging of Background Rasters = True	[Default]
Windows Printer Simple GDI = False	[ODOT setting]
Windows Printer Select Form No Clip = False	[ODOT setting]

Paper Sizes

Define paper sizes = **on**

[ODOT setting]

Name	Size	Margins	Is Default	Print Scale	Weight Scale	Style Scale	Auto Rotate	Windows Name
ANSI B	17,11 in.		TRUE		0.5	0.5		
ANSI D	34,22 in.							

Color Maps

Define maps from design color to print symbology = off

[Default]

Weight Maps

Define maps from design weight to print width = on

[Default]

Design Weight	Print Width
0	0.006 in.
1	0.014 in.
2	0.026 in.
3	0.036 in.
4	0.046 in.
5	0.056 in.
6	0.066 in.
7	0.076 in.
8	0.086 in.
9	0.096 in.
10 - 31	0.106 in.

Note: Thicknesses for weights 10 to 31 are the same to avoid printing abnormally thick lines.

Line Styles

Define print line style patterns = on

[Default]

Style Number	Software	On/Off Pattern
1		0.35 1.05 mm
2		1.75 1.05 mm
3		4.2 1.4 mm
4		2.8 1.05 0.7 1.05 mm
5		1.4 1.4 mm
6		2.1 0.7 0.7 0.7 0.7 0.7 mm
7		2.8 0.7 1.4 0.7 mm

Font Maps

Define maps from design fonts to hardware
(or Windows TrueType) fonts = **disabled**

[ODOT setting]

Programs

Define pre-print and post-print program commands = off

[Default]

Contact Information:

If you have any questions, suggestions, or problems please contact the ODOT Office of CADD and Mapping Services CADD Support team or use the following form on the ODOT web site at:

<http://www.dot.state.oh.us/Divisions/Engineering/CADDMapping/CADD/Pages/suggestions.aspx>