


ENGINEERING STANDARD SPECIFICATION	Manitoba Operations	
TITLE ADMINISTRATION OVERFLOW and OUTSOURCED ENGINEERING MICROSTATION CONFIGURATION FOR VALE DRAWINGS	VALE # TH-SPEC-07004	PAGE 1/4
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1.0 PURPOSE

This specification the outlines the basic requirements for the configuration of Microstation V8i for Vale drawings.

2.0 APPLICATION

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2.1 EXCEPTIONS

None

3.0 REFERENCE DOCUMENTATION

The following documents were used in the development of this document or have instructions and procedures applicable to it. They shall be used in their most recent revision.

TH-SPEC-07005	Working with the Vale Standard Drawing Border
TH-SPEC-07006	Running the Vale Drawing Checker Utility
Series 08000	Vale Design and Drafting Standards


4.0 CAD RESOURCE FILES

Vale CAD resource files are available to download from the Vale Central Engineering Extranet website at <http://extportal.vale.com/> (this address is available both Internal and external outside of Vale).

These files include:

Seed File - V8_seed_2D.dgn

This is the only seed file that is used for drawings created for Vale.

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Title Block/Border - viborder.cel

This cell library contains the title block cell. The cell name is contained in this cell library and inserted into a drawing as a cell at the appropriate scale.

Cell Libraries – valeMB_cell.zip

This zip file contains commonly used Microstation Cell Libraries - DO NOT copy this cell library into any other cell libraries - It is intended to operate as a stand-alone cell library.

DGN Libraries – dgnlibv8.zip

Contains the Manitoba Operations Microstation V8i DGN Libraries - (levels, dim styles, filters, text styles, border, etc.).

Font File – Valefont.rsc

This Vale font file contains special characters – as outlined in section 12 of SPEC-08002. This resource file will redefine Microstation standard font 3.

Title Block Fill Utility and Drawing Checker – border.mvba

This Visual Basic utility tool **must** be used for filling in the Tags in the Vale title block.

Do not use the built-in TAG tools in Microstation. To run the fill utility, key in the following command: **vba run borderdialog.**

The drawing checker utility is also part of the “border.mvba”. The drawing checker must be run on all drawings prior to issuing to Vale Drawing Controls for archiving. (See TH-SPEC-07006).


V8i Tag Locker – TLscript.doc

V8i automatically unlocks any tags within cells. After border insertion, run the following "key-in script" to lock the border tags: (cut & paste from the TLscript.doc file).

AutoCAD Border – ValeACAD(2012).dwg

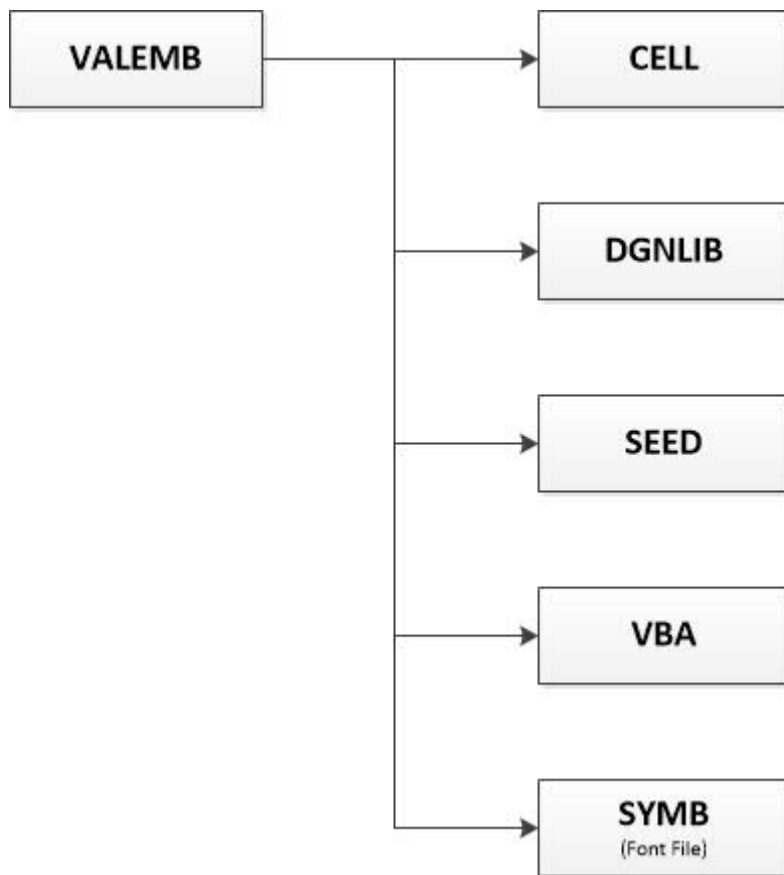
This is an AutoCAD version of the Vale Border.

Vale's standard drawing format is Microstation DGN Format, V8i Compatible. AutoCAD DWG files may only be used where approved in writing by Vale and is only applicable to the creation of new drawings or revising existing AutoCAD drawings. See TH-SPEC-08014 for specific AutoCAD requirements.

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5.0 FOLDER STRUCTURE


The resource files listed above must be copied to the following suggested folder structure either to a network or local location depending on the desired set-up:



6.0 CONFIGURATION VARIABLE DEFINITIONS

The following Microstation Configuration variables require definition at either the project configuration level or the user configuration level depending on the desired set-up.

Configuration Variable	Description
MS_CELL	<i>Cell library configuration variable; Sets the "Cell Library" resource file location</i>
MS_DESIGNSEED = V8 seed 2D.dgn	<i>Sets the default seed file name</i>
MS_DGNAPPS = synchbylevel	<i>allows for "by-level" functionality</i>
MS_DGNLIBLIST	dim styles.dgnlib textstyles.dgnlib <i>DGN configuration variable; sets the "dgnlib" resource file location</i>

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	standardlevels.dgnlib filters.dgnlib border.dgnlib	<i>Applications configuration; autoloads the dgnlib files into microstation</i>
MS_HIDE_LIBRARY_SOURCE_NAMES=1		<i>removes dgnlib name from displaying in brackets after each level name in Level manager</i>
MS_SEEDFILES		<i>Seed file configuration variable; sets the "Seed File" resource file location</i>
MS_SYMBRSRC (Font folder)		<i>Sets the "Font " resource file location</i>
MS_V7TOV8_DELETE_UNUSED_LEVELS=1		<i>removes un-used V7 levels when upgrading to V8(cannot be used if using "V7 to V8 Level mapping" config setting)</i>
MS_VBAAUTOLOADPROJECTS = border.mvba		<i>Applications configuration; autoloads the VBA files into microstation</i>
MS_VBASEARCHDIRECTORIES		<i>VBA configuration variable; sets the "vba" resource file location</i>

7.0 REVISION AND TRANSITION NOTES

Revision notes describe: what was changed, and if applicable, why it was changed, and the plan to implement the change, including whether changes are retroactive.

Note: The revision notes are a summary of the changes and may not necessarily be a complete list.

Rev	Revision Notes	Approved by	Reviewed by	Issue Date YYYY/MM/DD
1	New Document	JL/CM	AD	2015/03/30
2	Spec approved for MB Operations	MM	CUG	2019/07/23