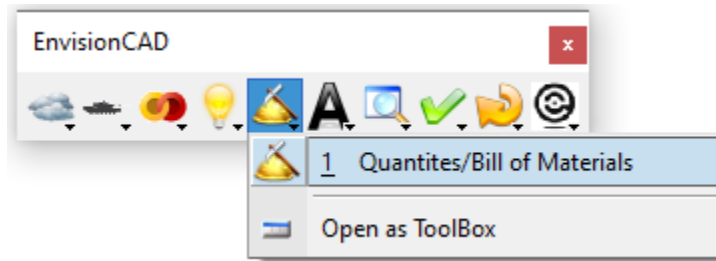




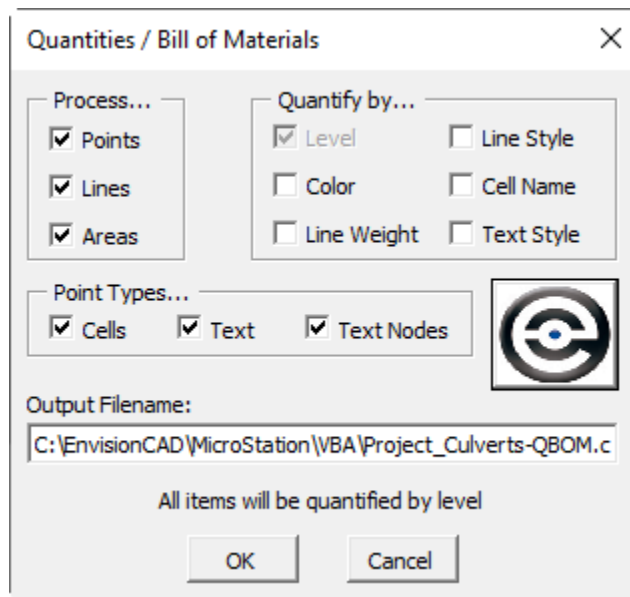
MicroStation VBA Macro: Quantities/Bill of Materials (QBOM)



Note: menu options may appear different as more freeware tools are added

Key-in Command: VBA RUN [QBOM]QBOM

The topic of calculating quantity information from MicroStation graphics is a common topic on the BE Communities. The QBOM macro was developed to fill that need.



Tool Options:

- **Process...**
Select the types of elements you want to process (quantify)
 - **Points** – Cells, Text, Text Nodes
 - **Lines** – Lines, Line Strings, Arcs, Complex Strings, Curves, MultiLines, Point Strings, BSpline Curves
 - **Areas** – Shapes, Complex Shapes, Circles/Ellipses
- **Quantify by...**
All of the element information will be quantified (totaled) by Level. In addition to level the user may select one additional symbology attribute (Color, Line Weight, or Line Style), and/or one



point type (Cell Name, Text Style) for separating the quantity information.

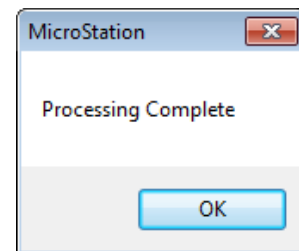
- **Point Types...**

For Point processing the user may also select the type of point elements to count (Cells, Text, Text Nodes).

- **Output Filename**

The output is written to a comma separated text file (.csv) that can be opened in Excel. The default file name is the name and path of the active design file with a "-QBOM.csv" suffix.

When complete a "**Processing Complete**" message is displayed.



The output .csv file can then be opened in Excel to obtain the quantity information. Using the standard Excel tools the list can be reordered and sub-totals for different groups of features can be calculated.

	A	B	C	D	E	F	G	H	I	J
1	Type	Level	Color	Weight	LineStyle	TextStyle	CellName	Count	Length	Area
2	Area	gravel	-	-	-	-		391	1479.289	679.1689
3	Area	limits sb	-	-	-	-		1	45872.38	3180800
4	Area	wetlands	-	-	-	-		1	28.61381	50.91365
5	Line	ditches	-	-	-	-		9685	261580.8	0
6	Line	fence line	-	-	-	-		33016	246364.6	0
7	Line	pavement	-	-	-	-		452	197524.5	0
8	Line	utilities	-	-	-	-		97	1081.009	0
9	Point	buildings	-	-	-	-	FLP	1	0	0
10	Point	buildings	-	-	-	-	RUIN	5	0	0
11	Point	buildings	-	-	-	-	CORN	6	0	0
12	Point	ditches	-	-	-	-	MAR	1	0	0
13	Point	gravel	-	-	-	-	RIP	54	0	0
14	Point	manholes	-	-	-	-	GSP	2	0	0
15	Point	manholes	-	-	-	-	MHT	3	0	0
16	Point	manholes	-	-	-	-	STC	6	0	0
17	Point	manholes	-	-	-	-	STV	11	0	0



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