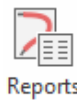


# Filtering Reports

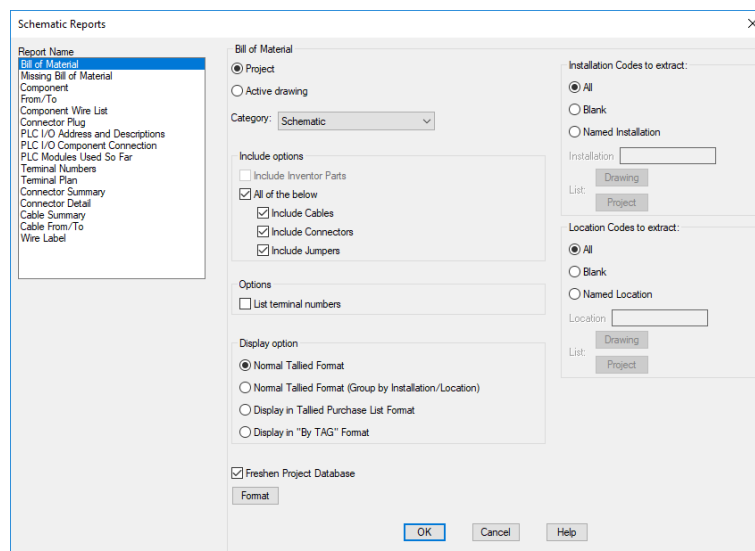
## AutoCAD Electrical 2019

When selecting any report such as a bill of materials, you often may want to **exclude** rather than **include** a specific installation or location.

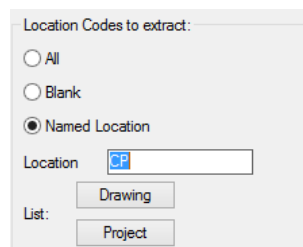


As an example, select the *Reports* ribbon tab > *Schematic* panel >

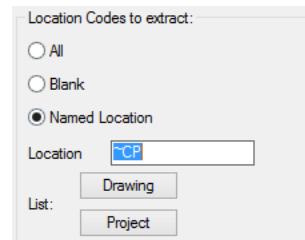
The following dialogue will be shown:



To the right of the dialogue the user can define a named *Installation* and a named *Location* to **include** or to **exclude**. An example would be a *Named Location* of "CP"



To **exclude** a location or installation simply add the wild-card character of ~ before the named installation or location.



This dialogue is a full list of wild-card characters extracted from the VisualLISP help in AutoCAD's help.

Wild-card characters	
Character	Definition
# (pound)	Matches any single numeric digit.
@ (at)	Matches any single alphabetic character.
. (period)	Matches any single nonalphanumeric character.
* (asterisk)	Matches any character sequence, including an empty one, and it can be used anywhere in the search pattern: at the beginning, middle, or end.
? (question mark)	Matches any single character.
~ (tilde)	If it is the first character in the pattern, it matches anything except the pattern.
[...]	Matches any one of the characters enclosed.
[~...]	Matches any single character not enclosed.
- (hyphen)	Used inside brackets to specify a range for a single character.
, (comma)	Separates two patterns.
` (reverse quote)	Escapes special characters (reads next character literally).

All of the characters work with the exception of “[ & ”].

As an example, if you wish to filter cubicles to include A1, A2, A3 & A5 out of multiple locations with a numerical suffix e.g. A1, A2, A3...A45 etc.

You may wish to filter out parts in the locations A1- A3 inclusive and not have A4, A6-45 shown in the reports.

In this case the filter would be “A1,A2,A3,A5”. As mentioned earlier, you cannot use the “[” & “]” characters.

If you wish to have an inverse selection, then the filter of “~A1,~A2,~A3,~A5” should be applied. Note the “~” character has to be defined for each location you wish to exclude.

Further advice on wild-card filtering can be found in the AutoCAD help.

From the Help dropdown, select Help.

Select *AutoLISP*, *Visual LISP* and *DXF* from the right of the Help dialogue. Select *AutoLISP Developers Guide* and then from the Index tab and then type “wild-card pattern match” and as an alternative “wild-card characters”.

