

Setting up a Special Wire Numbering System

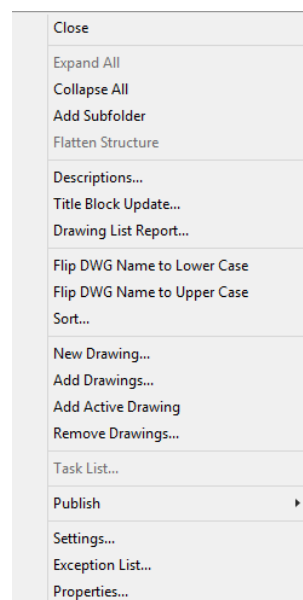
AutoCAD Electrical 2017

Your customer may require a special wire numbering system where each wire type has a unique wire numbering system. An example of this type of wire numbering system would be BEBS-S12 which is used in the nuclear and power generation industry.

As an example of this type of numbering system, you may have the following requirement:

Wire Type	Numbering Convention
AC live power wiring	H1, H3, H5 and so on
AC neutral power wiring	H2, H4, H6 and so on
DC live power wiring	J1, J3, J5 and so on
DC 0V power wiring	J2, J4, J6 and so on
24VDC control wiring	K1, K2, K3 and so on
All signal type wiring	S1, S2, S3 and so on
All alarm annunciation	X1, X2, X3 and so on
All Lamp indication	L1, L2, L3 and so on

In the Project Manager, right-click on the current project. The following dialogue will appear:



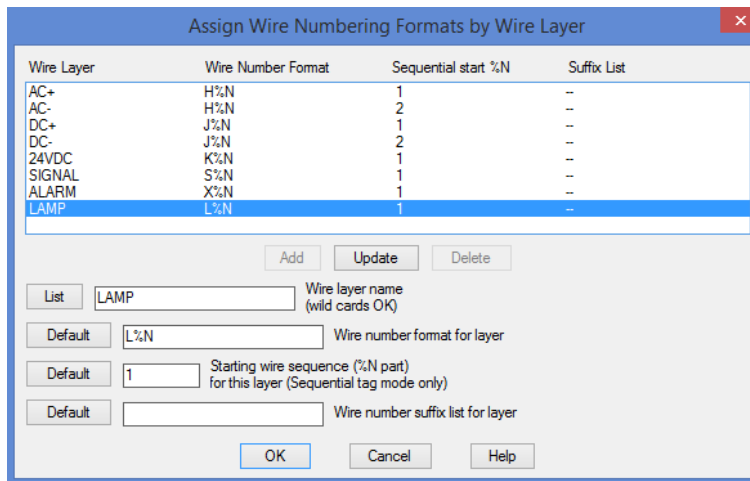
Select *Properties*

Select *Wire Numbers* tab

Tick *Based on Wire Layer*

Select

Fill in the details for each wire type similar to the following dialogue and then select until the dialogue has all of your wire types defined.



Wire Layer	Wire Number Format	Sequential start %N	Suffix List
AC+	H%N	1	--
AC-	H%N	2	--
DC+	J%N	1	--
DC-	J%N	2	--
24VDC	K%N	1	--
SIGNAL	S%N	1	--
ALARM	X%N	1	--
LAMP	L%N	1	--

Wire layer name (wild cards OK)

Wire number format for layer

Starting wire sequence (%N part) for this layer (Sequential tag mode only)

Wire number suffix list for layer

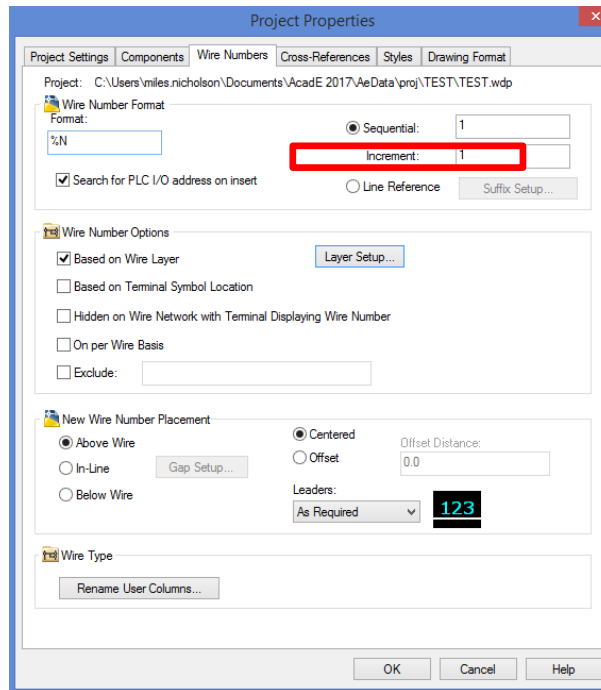
N.B. Wire types can have a different starting number e.g. AC- = 2

Select

Within the *Project Properties* > *Wire Numbers* tab, you can also define the increment value. For BEBS-S12, some wire types have an increment of 2 where others have an increment of 1.

Basically wire types of an increment of 2 would have to be numbered with the properties set to 2 and wires of increment 1 numbered separately with the properties set to 1.

You will have to number wires in groups so that wire types with an increment of 1 are numbered separately. In this instance, you can edit the dialogue again.



Select 

In addition, you can also change the wire number increment within the individual drawing's properties

Drawing Properties

