Item Ballooning

AutoCAD Electrical 2020

Item ballooning is mainly a requirement for panel assemblies, layouts or general arrangements, but it is sometimes used within 2D harness, P&ID's, pneumatic or hydraulic drawings. It is often accompanied by an item list for the sheet detailing a bill of materials.
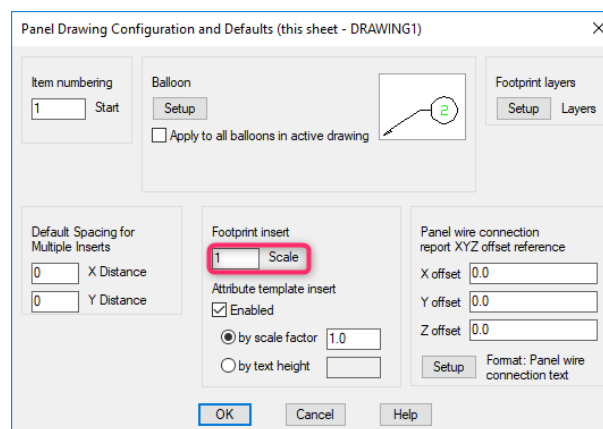
Item numbers can be assigned by project on a component or a per part basis dependent upon your preference.

These preferences are set within the *Project Properties > Components* tab > *Item Numbering.*

Ensure all the opened drawings are saved.

Select the *Panel* ribbon tab > *Other Tools* panel >
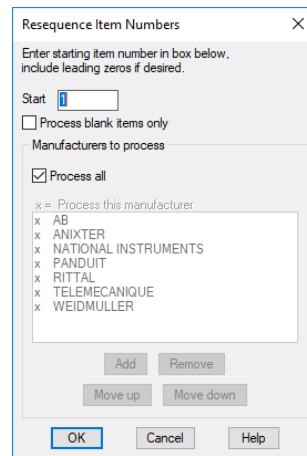
Select Configuration

Set the Footprint Insert Scale to be 1 (assuming you're using the panel_mm library)

Select OK

Select the *Panel* ribbon tab > *Edit Footprints* panel >

Select *Resequence Item Numbers*

Select ☑ *Process All* (Manufacturers to Process)

Select OK

> Item numbers will be assigned to each component that has been defined with a manufacturer and catalogue. Components without manufacturer and catalogue information will not be assigned an item number

Placing Balloons to the Itemised Components

Select the *Panel* ribbon tab > *Insert Component Footprints* panel >

Select *Balloon*

Select the first component

Left click to specify the leader start

Left click to specify the leader end

Right click to close the leader off

Repeat for subsequent components

> This command can be repeated on each component where you have assigned manufacturer and catalogue information