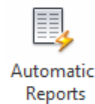


Automatic Report Generation

AutoCAD Electrical

Within AutoCAD Electrical you can either create and view a report one at a time or you can set up report groups with the latter enabling you to produce multiple reports at the same time.

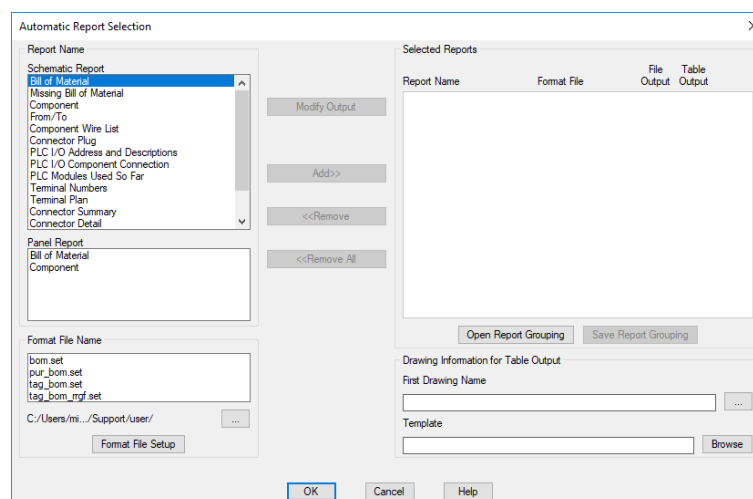


Select the *Reports* ribbon tab >

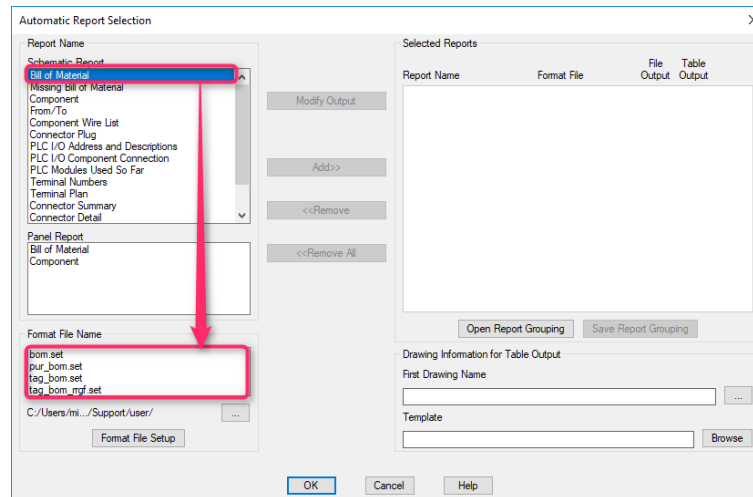
The Automatic Report Selection command allows users to set up report groups that can be run at any time at the touch of a button, to ease the creation of project supporting documentation during the design process.

As an example, the shop floor or the manufacturing department would require a different set of reports to a customer who in turn would require a different set of reports to a purchasing or procurement department. In addition, users may wish to set up a report group for each specific customer therefore standardizing on the reports for a customer that an engineer can provide.

The following dialogue will be displayed:



All the different types of reports are listed down the side of the dialogue. When a specific type of report is selected e.g. *Bill of Material*, a list of format file names is shown in the lower left of the dialogue:

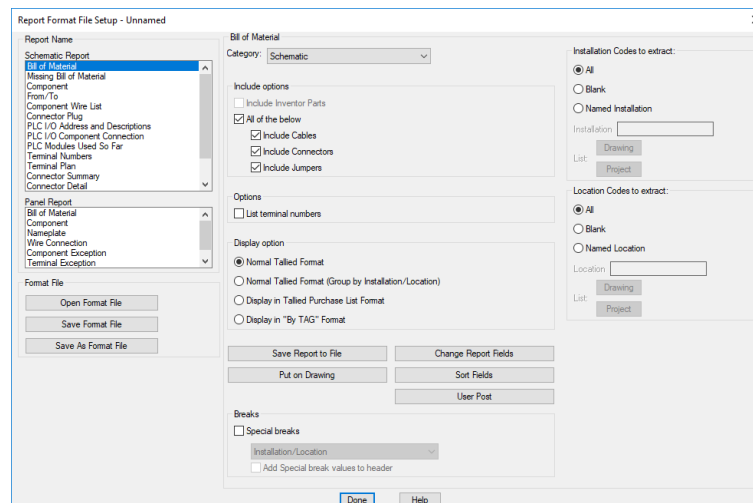


If a format file doesn't exist for a report, a new format file can be created by selecting **Format File Setup**

A format file (*.SET) must be setup before reports can be collectively printed.

As an example, by highlighting *Bill of Materials* and then selecting *pur_bom.set* you can create a new setup file from this existing file.

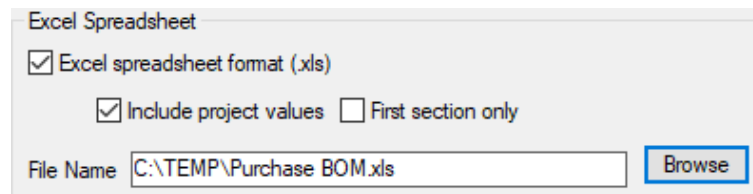
Select **Format File Setup**



Select the way that you want the information to be displayed. Select *Tallied Purchase List Format*

Select the way the file will be saved. Select **Save Report to File**

In this example save the file as an Excel file to a local directory C:\TEMP



Excel Spreadsheet

Excel spreadsheet format (.xls)

Include project values First section only

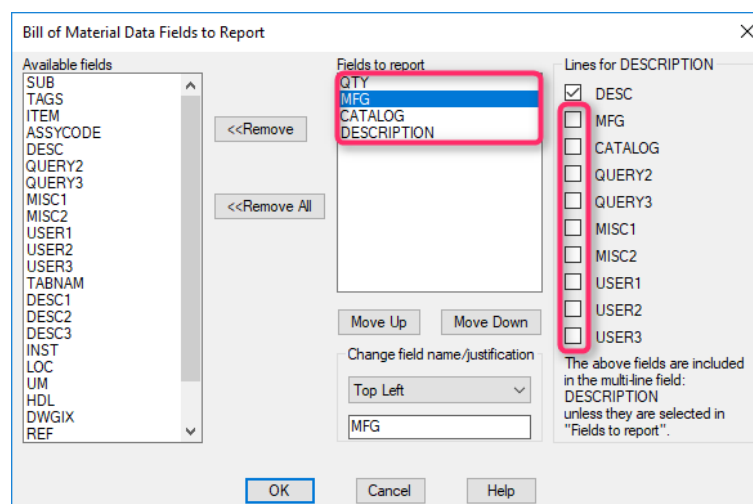
File Name:

The option *Include project values* will include project description line values where ticked

Select

The fields that you wish to display can be changed. Select

Deselect the lines for Description as shown and ensure the fields to report are the following shown in the dialogue:



Bill of Material Data Fields to Report

Available fields: SUB, TAGS, ITEM, ASSYCODE, DESC, QUERY2, QUERY3, MISC1, MISC2, USER1, USER2, USER3, TABNAM, DESC1, DESC2, DESC3, INST, LOC, UM, HDL, DWGIX, REF

Fields to report: QTY, MFG, CATALOG, DESCRIPTION

Lines for DESCRIPTION: DESC, MFG, CATALOG, QUERY2, QUERY3, MISC1, MISC2, USER1, USER2, USER3

Change field name/justification: Top Left, MFG

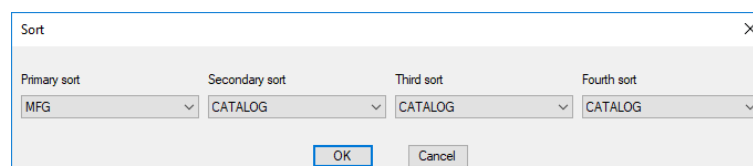
The above fields are included in the multi-line field: DESCRIPTION unless they are selected in "Fields to report".

You can also change the *field names & justification*.

Select

The order of the information can be sorted. Select

Change the sort criteria to the following:



Sort

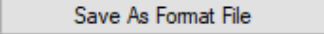
Primary sort: MFG

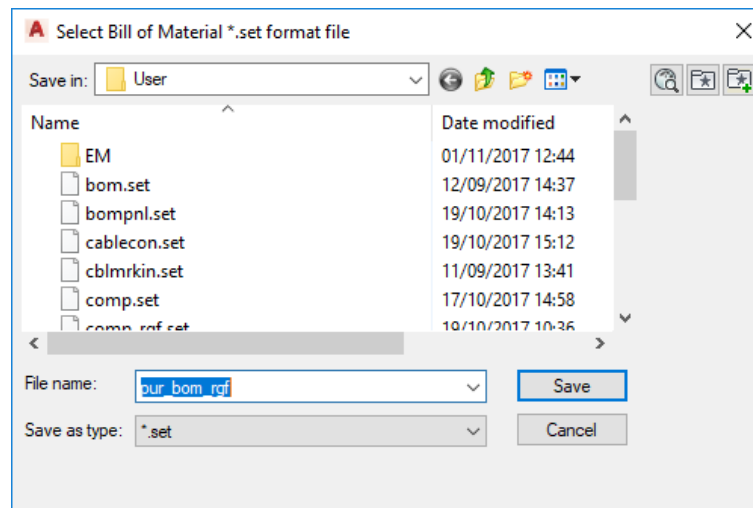
Secondary sort: CATALOG

Third sort: CATALOG

Fourth sort: CATALOG

Select 

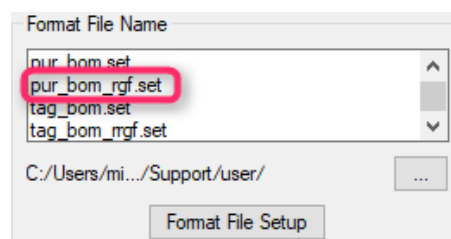
Now the format file has been defined, select the icon  to save the format file as a new set file. N.B. No spaces or control characters are allowed.

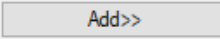


Select 

Select  when completed

The new set file will now be displayed in the lower left of the Automatic Report Selection dialogue:

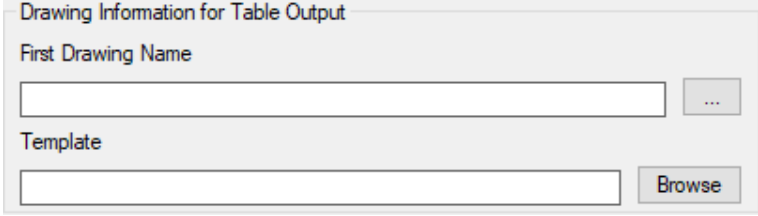


Highlight the new set file and then select 

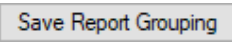
The report will then be added to the *Selected Reports* section to the right of the dialogue.

Subsequent reports can be added in the exact same manner so that the report group contains all the necessary reports that you wish to produce.


If you have chosen a Drawing Table output when creating a set file, you can define the first drawing number that will be allocated and the drawing template (border) that will be used.



The dialog box titled "Drawing Information for Table Output" contains two input fields. The first field is labeled "First Drawing Name" and has a text input box followed by a small button with three dots. The second field is labeled "Template" and has a text input box followed by a "Browse" button.

To save the changes made to your automatic report selection, select 

To recall and open an existing automatic report selection group, select 

Select  to run the Automatic Report Selection after the group has been saved.