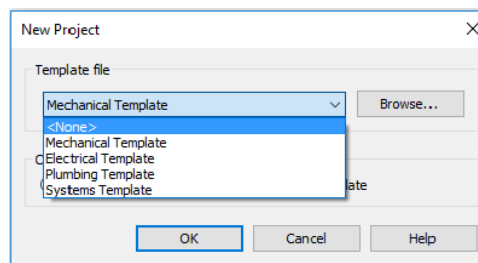# Modeling with ABB Remote Power Panel

This manual describes how you can use the model of ABB in Revit 2016, 2017 and 2018.
It also describes all the functionalities inside the model, how to create a proper schedule and how to export it to an Excel file.

Installation

To use the **ABB Remote Power Panel** you need to follow these steps:

1. Open a Revit Project (This should be an Electrical Template or None – If you use other template you can't see the model).
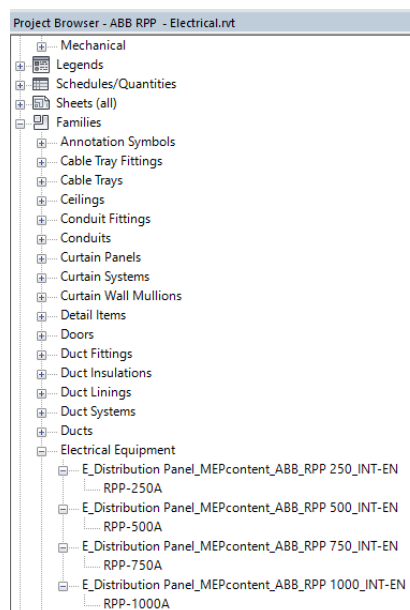

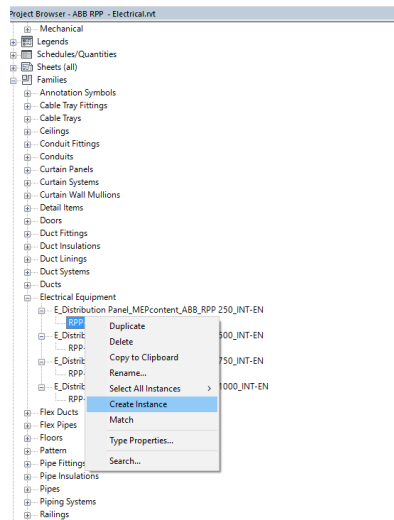2. To load a family go to the ribbon, **Insert** tab and then click **Load Family**.

Placing

Placing the model into the project can be done in two ways:

1. In the default right window named **Project Browser**, go under the group Families > Electrical Equipment > then go to the family and open up the types. The first method is to drag and drop the type into the project window.
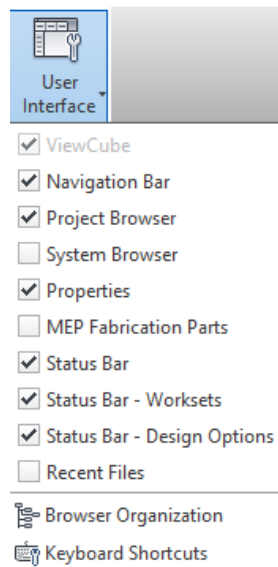
2. The second way is to right click on the type and click **Create Instance**.

Tips:

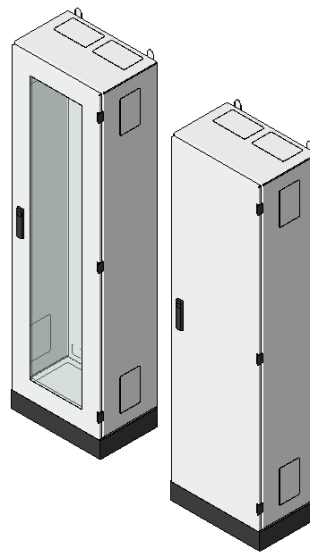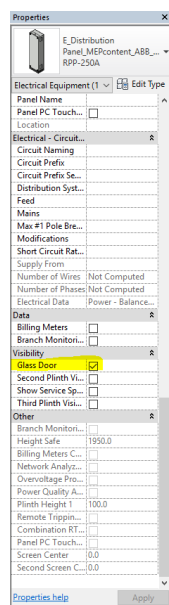If the **Project Browser** is not shown, you can activate it from **View** tab, **User Interface**.

Functionalities

1. Accessories with Check Boxes

There are a large variety of options available. Each family has its own options available for the specific type.
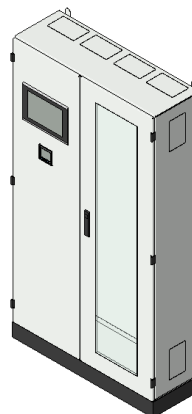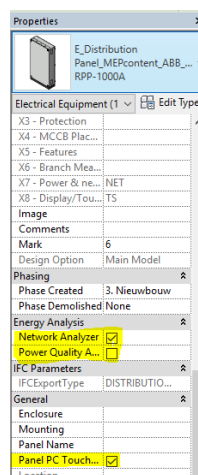
> ### *Glass or Metallic Door*

These options are available for all four families. They can be control from the **Properties** bar > Category **Visibility**.

> ### *Power Quality Analyzer, Network Analyzer and Touchscreen*

These options are available only for Family Types 500A, 750A, and 1000A. They can be controlled from the **Properties** bar > Category **Energy Analysis** and **General**.
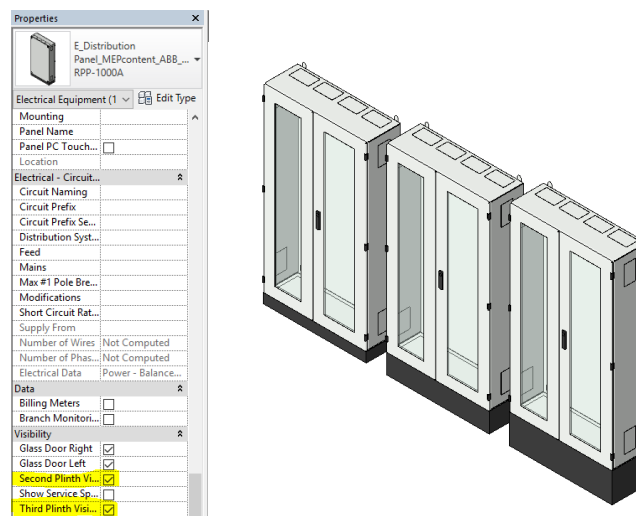
Note:

It is possible one combination, e.g. PC Touchscreen with Network Analyzer, or only with one option on the door, e.g. Power Quality Analyzer.

➢ **Plinth**

One plinth it is already included in the height of the panel. The height of one plinth it is 100 mm. For a panel it is possible to go up to three plinths.
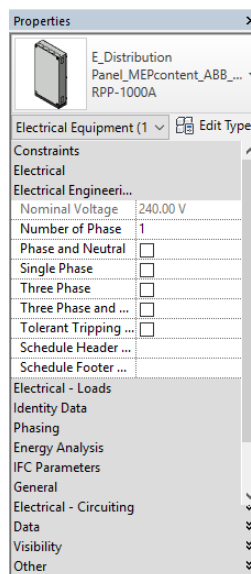The plinths can be controlled from the **Properties** bar > Category **Visibility**.
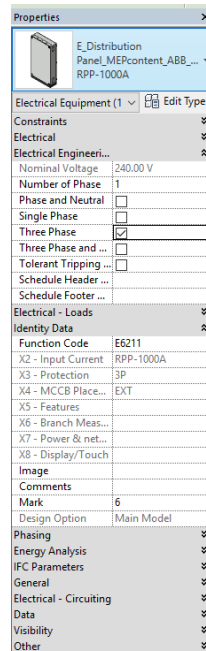

2. Article Number

The Article Number has Check box parameters. They are visible in the properties bar when selecting the family. See below the categories where you can find them:

1. Electrical
2. Electrical Engineering
3. Electrical Loads
4. Energy Analysis
5. General
6. Data

After selecting one option from a category the article number will be visible in the Properties Bar > Category Identity Data.
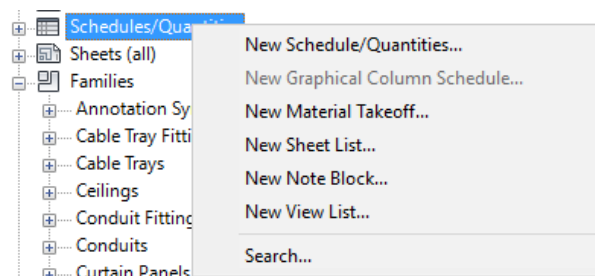

All parameters from Identity Data named with <X> are specific parameters to form an article number.

Note: If you are selecting multiple options from a category no article number will be visible, select only one option from each category.
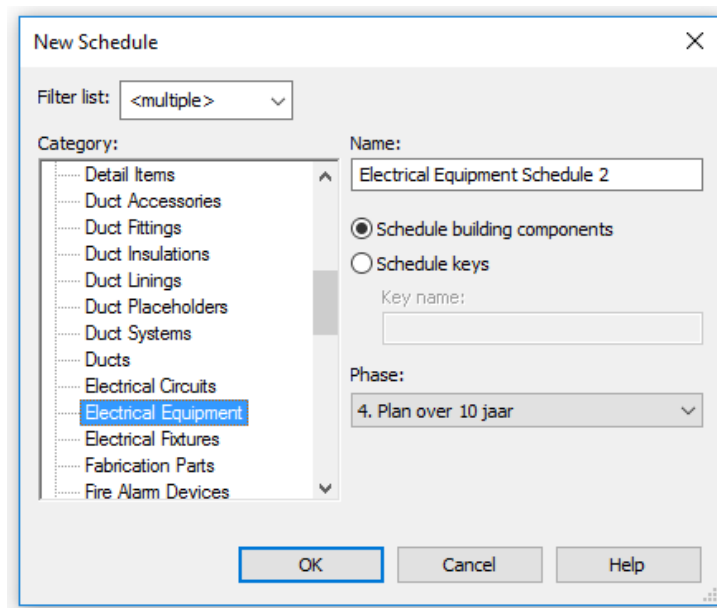
Schedule

For creating a proper schedule to see the families and the accessories follow these steps:
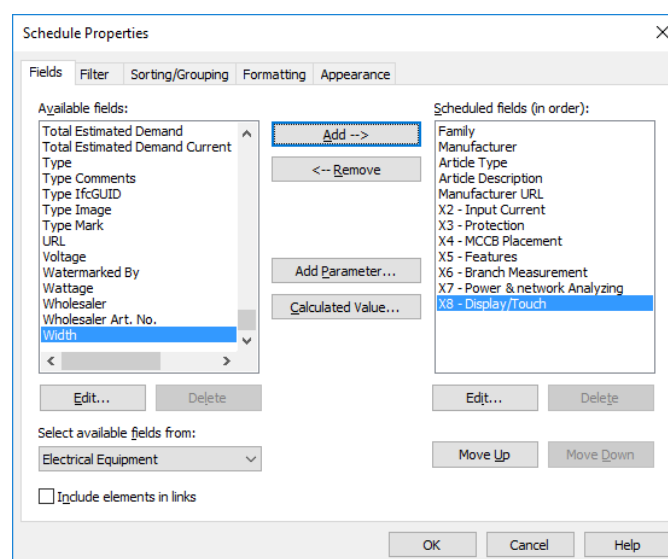
1. Go to **Project Browser** and right click on **Schedules/Quantities** and select **New Schedules/Quantities**.

2. A new window will appear, where you can select the model category (Electrical Equipment), and then click OK.

3. In the next window, **Schedule Properties**, you can add the parameters you want to see in the schedule. Choose from the available fields the desired parameters and add them in the scheduled fields, as seen in the picture below.

Note: You can change the order of the parameters by using the **Move Up**, **Move Down** buttons.

We expect this kind of result as seen in the picture below.

Tips:

1. Group every instance in schedule

For a better grouping in the schedule, based on the types placed in the project, we have to do these settings.

The **Schedule Fields** should have a mandatory parameter (X2 – Input Current).

Also in the **Schedule Properties** under the **Sorting/Grouping** tab we have to add these modifications.
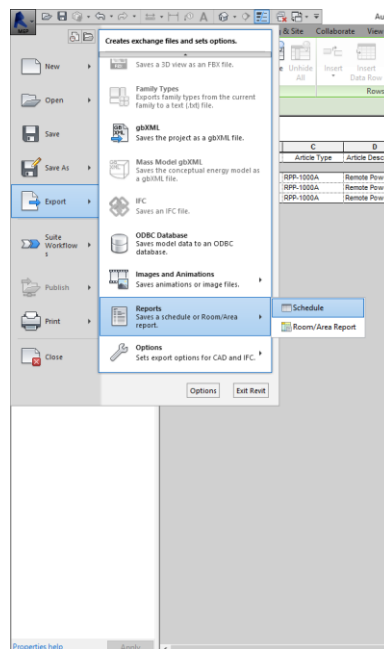

To see the changes in the Schedule you have to change the X2 – Input Current for the instances you want to see grouped differently as it is presented in the next steps.
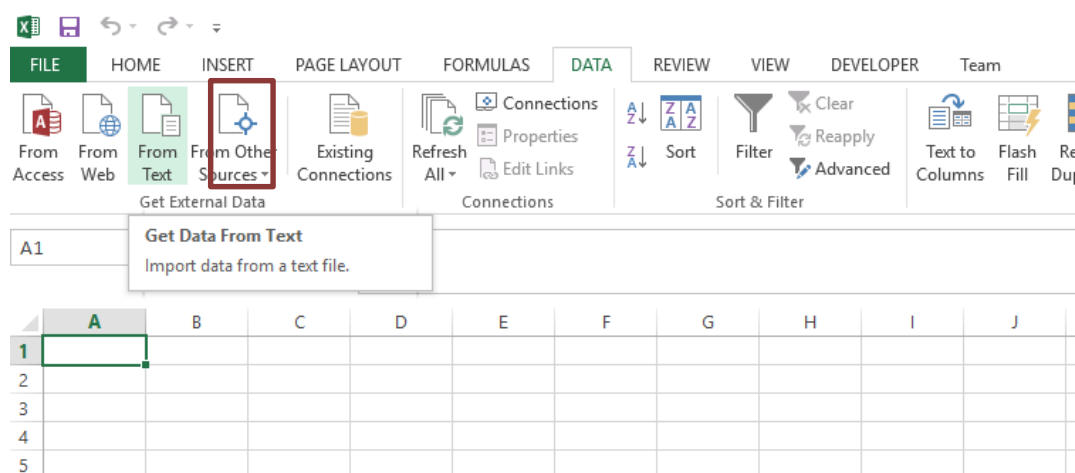
2. Export Schedule to an Excel file

To export the schedule to an Excel file, follow these steps:

1. Having the schedule opened go to **File > Export > Reports > Schedule**.
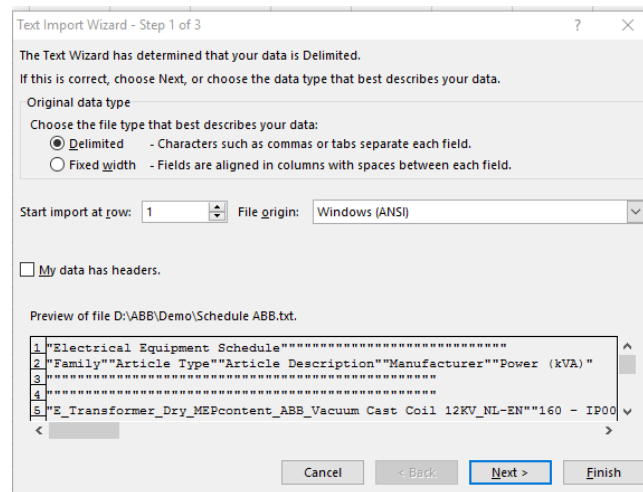

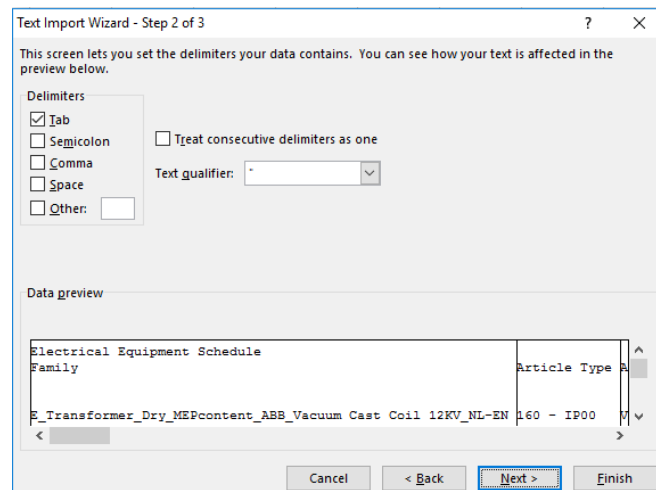This will export the Schedule as a text file, save it on your local drive.

2. In Excel we go to **Data** tab > **Get Data from Text**.

3. Select the file saved from your local drive and a new window will appear. (The Delimited check box should be checked as in the picture below).
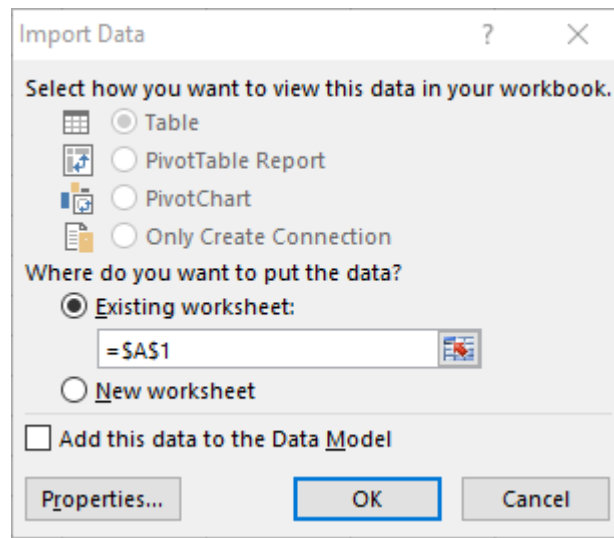
4. Before clicking **Next** you have to be sure the **Delimiters** are selected as in the picture below.

5. Click **Finish** and then a new window will appear where you can select from which cell you want to start importing the data.

Note: A1 is the first cell of the Excel sheet.

6. After hitting OK all the data is imported. You can then save the Excel file to your local drive.

Questions or remarks?

Contact us via the form at www.mepcontent.eu or via info@mepcontent.eu.