

Revit Basics:

Online User's Guide:

<http://docs.autodesk.com/RVTMPJ/2010/ENU/Revit%20MEP%202010%20Users%20Guide/RME/index.html>

Revit Tutorials: A complete set of Revit tutorials are available to help you be more productive using Revit MEP. Follow the self-paced exercises to get comfortable with using Revit MEP.

To access the Revit MEP tutorials, click (Help) drop-down ➤ Tutorials.

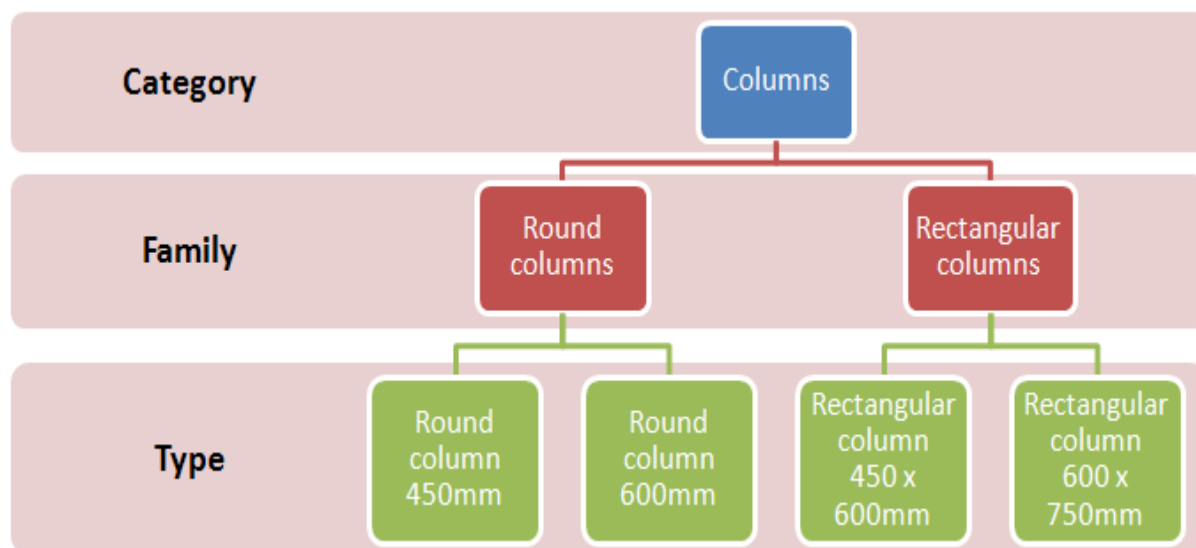
Revit MEP classifies elements by categories, families, types, and instances.

Category: A category is a group of elements that you use to model or document a building design. For example, categories of model elements include walls and beams. Categories of annotation elements include tags and text notes.

Family: Families are classes of elements in a category. A family groups elements with a common set of parameters (properties), identical use, and similar graphical representation. Different elements in a family may have different values for some or all properties, but the set of properties—their names and meaning—is the same. For example, six-panel colonial doors could be considered one family, although the doors that compose the family come in different sizes and materials. Structural members (such as walls and shapes) are another family. See Revit Families.

Type: Each family can have different types. A type can be a specific size of a family, such as a 30" X 42" (A0) title block or a 32" x 84" (910 x 2110) door. A type can also be a style, such as default aligned or default angular style for dimensions. A family can have several types. For example, a table may be available in several sizes. Each size table is a different type within the same family.

Instance: Instances are the actual items (individual elements) that are placed in the project and have specific locations in the building (model instances) or on a drawing sheet (annotation instances). Each instance belongs to a family and, within that family, a particular type.





Creating a Project Using Default Settings

Use this procedure when you want to use the default template. It skips the step of specifying the template to use when creating the project.







Do one of the following:

- Press Ctrl+N.
- On the [Recent Files](#) window, under Projects, click New.



Revit MEP creates a project file, using settings in the default template. The default project name displays in the title bar of the Revit window. To assign a different file name, click  >  (Save As).

Opening Revit Files

To open a Revit file, use any of the following methods:

- On the [Recent Files](#) window, under Projects or Families, click the desired option.
- Press CTRL+O.
- Click  >  (Open).
- Click  >  (Open), and select a Revit file type.
- Click  and select a file from the Recent Documents list.
- Click  (Open) on the Quick Access toolbar.

Opening Families and Training Files


1. Click  > Open >  (Family).
2. On the left side of the Open dialog, select a family library or folder.
3. Navigate to the appropriate directory, select the file, and click Open.

To make other directories available from the Open dialog, see [Setting Options](#).

Opening Files from the Web Library

To download family files or templates from the web library for use in a project, do the following:

1. Click View tab > Windows panel > User Interface drop-down > Recent Files.

2. Under Families, click Web Library.
The web library opens in a browser window.
3. In the browser window, navigate to the desired collection, and click the family or template to download.
4. In the File Download dialog, click Open to open the item in Revit MEP, or click Save to save it in a specified folder, from which it can be loaded into a project.
5. If you opened a family and want to immediately use it in a project, do the following:
 - a. Click Home tab ➤ Family Editor panel ➤  (Load into Project).
 - b. In the Load into Projects dialog, select the open projects to receive the family, and click OK.

Opening Revit Files from Windows Explorer

The following alternative methods open Revit files from Windows Explorer.

- Double-click a project or family file.
- Drag a project file from Windows Explorer into Revit MEP.
- Drag a family file from Windows Explorer into the Project Browser or drawing area of Revit MEP to load it into the project.
- Drag a family file from Windows Explorer into anywhere other than the Project Browser or the drawing area (such as the ribbon, Quick Access toolbar, or the title bar) to open the family in the Family Editor.
- Drag multiple files from Windows Explorer into an active session of Revit MEP. A dialog opens, asking whether you want to open dropped files in separate windows or load dropped families into the current project.