

## AUTODESK® Revit: building information modelling made easy

### Overview: real time, 3D experience

Since the time in 1982, when the first AutoCAD software was introduced, Autodesk® ([www.autodesk.com](http://www.autodesk.com)) has been the world leader engineering design solutions. Over the years they have introduced to the market unique software suites that proved to be a boon to the design and engineering industry, especially construction, **Revit** ® is one such product. This building information modeller tool is a powerful design and documentation system that offers productivity, coordination, and superior quality benefits to engineers, architects, and building industry professionals. The Revit application window allows you to view multiple models in one single screen.



In the **Revit building model**, your drawing sheet, 2D and 3D view, and your every schedule is a direct presentation of information from the underlying building database. As you work through the drawing and schedule views, Revit collects information about the building properties and coordinates this information across all other representations of the project. The **parametric change technology** in Autodesk® Revit automatically coordinates changes.

### Enhancements: building(s) with Revit

The Revit 2016 is a subscription-only release and offers a variety of new features and user requested enhancements. Some of these enhancements include:

**Increased speed:** Revit 2016 R2 is faster with features that enable the software to work more efficiently behind the scenes.

**More intelligence:** Revit 2016 R2 has new and improved tools that help you go beyond capturing design intent; it helps you to embed it into your model.

**Value and productivity improvements:** There are more than 25 user-requested enhancements in the 2016 release; features that boost your professional productivity. Revit 2016 also provides more value for those on **Autodesk Subscription** by delivering access to the latest Revit technologies as soon as they are made available.

### Quick tips: best practices for better Revit performance

However good you are at using Revit to model, analyse, and represent your design, the performance of your software lies in maximizing the power of the program. Here are some quick tips in terms of how you can fine-tune the application.

#### Use elevation and section far clip

To reduce the data processing while generating your drawings, make sure each section and elevation has a far clip active and, it is set so that it only extends far enough for the correct information to show in the drawing. This will also help make your start-up times shorter.

#### Minimize importing of DWG files

DWG files are one of the main causes of increased file sizes that lead to reduced model performance. Minimize your DWG links and imports by using them only for reference and then remove them once Revit elements have been generated.

#### Remove options and views that are unused

Design options can slow the model even when they are inactive and invisible. This is because they all have to update when a change is made. For a cleaner model, remove unused design options. Similarly, unplaced views add data to the file increasing the file sizes. Purge views often.