



# Autodesk® Revit® Building 9 Fundamentals Tutorial Series

*Computer Based Training*

## ***What You Will Learn:***

In this comprehensive DVD, you'll learn Revit from the very basics to modeling, print setup and more.

## ***Topics covered on this CBT include:***

### **Getting Started with Revit Building**

- Getting Started
- Menu Bar and Shortcut Keys
- Toolbars
- Design Bar
- Type Selector Bar and Options Bar
- Project Browser and Workspace
- Status Bar and View Control Bar
- Right-Clicking and Shortcut Menus
- Viewing Tools
- File Types
- Open an Existing Project
- Saving a Project
- Creating a New Project

### **Massing**

- Project Options
- Introduction to Massing, Placing Mass Elements and Mass Visibility
- Mass Solid Extrusion
- Solid Blend
- Solid Revolve

### **Massing**

- Reference Planes, Reference Lines
- Work Planes, Creating a Solid Revolve and Assigning Materials
- Create a Mass SolidSweep
- Creating Mass Void Extrusion and Mass Void Blends
- Cutting Mass Geometry
- Creating Wall from Mass Elements
- Creating Floors from Mass Elements
- Creating Curtain Systems from Mass Elements
- Creating Roofs from Mass Elements
- Using SketchUp Models
- Drawing Aids
- Creating a Walls
- Modifying Wall Properties
- Modifying Wall Profile and Adding an Opening to a Wall
- Creating Doors and Windows

### **Basic Modeling I**

## ***Requirements:***

- Windows XP
- Internet Explorer Browser
- Flash plugin
- DVD Drive
- Pointing device

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## **Basic Modeling I**

Door and Window Properties  
Creating a New Level  
Copying and Moving Objects  
Rotating and Arraying  
Resizing and Mirroring  
Aligning Objects, Splitting Walls and Lines,  
Offsetting Objects  
Trimming and Extending Objects  
Grouping  
Creating Similar Objects and Pinning Objects  
Creating Grids  
Adding Columns  
Adding Structural Columns  
Adding Structural Walls  
Foundations  
Adding Structural Beams and Beam Systems.

## **Model Views**

Adding Structural Braces  
Overview and Creating Floor Plans  
Ceiling Plans  
Plan Regions  
Elevation Views  
Section Views  
Callout Views  
Camera Views  
Schedules / Quantities  
Visibility/Graphics  
Object Styles  
View Templates  
View Properties

## **Basic Modeling II**

Crop Region and Section Box  
Compound Structures  
Vertical Compound Walls  
Wall Joins  
Creating Floors  
Creating Ceilings  
Creating Roof by Footprint  
Slope Arrow  
Create Roof by Extrusion  
Creating Fascias and Gutters  
Creating Soffits  
Creating Opens in Walls, Floors, Roofs and Ceilings  
Modifying Roofs and aligning eaves  
Creating Stairs  
Stairs with Landings  
Creating Stairs by Sketching Boundaries and Riser Lines  
Creating Spiral Stairs

## **Basic Modeling II**

- Creating and Modifying Railings
- Railing Properties
- Creating Ramps
- Creating Curtain Walls
- Creating and Modifying Curtain Wall Grids
- Creating Curtain Walls with Automatic Grids
- Creating Non-Rectangular Curtain Walls

## **Dimensions and Constraints**

- Temporary Dimensions
- Permanent Dimensions
- Dimension Styles

## **Rooms and Areas**

- Rooms
- Room Tags
- Areas
- Color Fills
- Room Keys and Schedules

## **Drafting and Detailing**

- Drafting and Detail Views
- Legends

## **Drafting and Detailing**

- Tags
- Drafting Techniques
- Using CAD files in Detail Views
- Detail Components
- Filled regions
- Linework Controls
- Setting up Sheets
- Titleblocks
- Print Setup