

BUILDING INFORMATION MODELING

Building Information Modeling for Architectural Design

REVIT ARCHITECTURE BASICS

Exploring the User Interface

Working with Revit Elements and Families

Starting a Project

Fundamental of Massing Studies

Creating / Modifying Topographic surface

THE BASICS OF THE BUILDING MODEL

Creating and Modifying Levels, Grids

Adding Columns

Creating a Basic Floor Plan

Adding and Modifying Walls

Using Editing Tools

Adding and Modifying Doors, Windows

VIEWING THE BUILDING MODEL

Managing Views

Controlling Object Visibility

Working with Section and Elevation

Creating and Modifying 3D Views

Using Dimensions and Constraints

DEVELOPING THE BUILDING MODEL

Creating and Modifying Floors

Working with Ceilings

Creating Openings

Adding and Modifying Roofs

Creating / Editing Curtain Walls

Adding Stairs, Railings and Ramps

WORKING WITH FAMILIES

Understanding Family Editor

Creating / Editing Family Component

Working with Component Families

DETAILING YOUR DESIGN

Creating Callout Views
Working with Text and Tags
Working with Detail Views
Working with Drafting Views

DOCUMENTING / ANNOTATING YOUR DESIGN

Creating and Modifying Schedules
Creating Rooms / Area Tags

PRESENTING THE BUILDING MODEL

Working with Drawing Sheets, Titleblocks
Managing Revisions
Creating Renderings
Using Walkthroughs
Using Sun and Shadow Settings
Creating DWF files

IMPORTING AND EXPORTING FILES

Importing and Using External Files
Exporting to External Files

CONCEPTUAL DESIGN

Working with Mass Shapes
Converting Mass Shapes to Building Components
Creating Advanced Components
Creating and Using In-Place Families
Creating and Modifying Parametric Families
Creating Nested Families
Working with Component Groups

ADVANCED RENDERING

Creating Realistic Presentations
Creating Rendered Interior Scenes

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