

Technical Education Services

Revit: Phasing, Grouping, Assembly Parts, and Design Options

Course Length: 1 day

In this class we will review the tools in Revit for creating Project Phases, Grouping or Assembling model content and implementing Design Options for creation of Design Alternatives owners request. We will discuss the best practices for each of these concepts and when other methods may be better suited for intended outcomes.

Topics Covered

- Implement Phases in Revit
- Understand the application of Groups and Assemblies in Revit
- Utilize Design Options in Revit for illustrating Design Alternatives to clients and stakeholders

Prerequisites

Revit Architecture Fundamentals or an equivalent understanding of the Revit Software

Course description shown for Autodesk Revit 2020. Topics, curriculum, and/or prerequisites may change depending on software version.



Training Guide Contents

Chapter 1 – Phasing

- What are Phases in Revit?
- Phasing dialog
- Project Phases: Combine
- Phase Filters
- Graphic Overrides
- How to apply Phases to elements / Views

Chapter 2 – Grouping

- What is a Group, what is an Assembly?
- What is the difference?
- What are Model Groups vs. Detail Groups?
- When to Group, when to Assemble, when not to do either
- How to create a Group
- How to create an Assembly
- How to “reuse” Groups and Assemblies in current and future projects
- Navigate Group Editor, how to Edit Groups after creation
- How to modify Group origin
- How to attach Detail Groups
- How to Ungroup Groups
- Managing Groups in Project Browser
- How to create a Link from a Group
- How to Edit Assembly / Disassemble
- How to Create Views / Acquire Views of Assemblies

Chapter 3 – Assemblies

- How to create an Assembly
- How to “reuse” and Assemblies in current and future projects
- How to Edit Assembly / Disassemble
- How to Create Views / Acquire Views of Assemblies

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Chapter 4 – Parts

- When and Why do we use Parts?
- Scheduling Parts
- System Families
- Create Parts
- Exclude Parts
- Edit Division
- Edit Merged
- Divide Parts / Merge Parts
- Mode / Draw / References / Divided Parts
- Reset Shape
- Exclude Panel
- Visibility of Parted out Elements

Chapter 5 – Design Options

- What are Design Options?
- When do we use Design Options?
- How and where to create / control Design Options?
- Design Options dialog
- Option Sets
- Options
- Understanding Visibility / Selection when using Design Options
- Add to Set and Pick to Edit
- Make and Accept Primary
- Deleting Design Options > Be careful!
- Model Collaboration when Design Options are in place? What can we share, what do they see?
- Design Options “workarounds”

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