Revit - BIM Management: Template and Family Creation

Total Hours: 16

Building Information Modeling (BIM) is an approach to the entire building life cycle. Revit is a powerful BIM program that supports the ability to coordinate, update, and share design data with team members throughout the design, construction, and management phases of a building's life. A key component in managing the BIM process is to establish a company foundation for different types of projects by creating standard templates and custom elements. Having this in place makes the process of any new project flow smoothly and efficiently.

The objective of the Revit BIM Management: Template and Family Creation training course is to enable students who have worked with the software to expand their knowledge in setting up office standards with templates that include annotation styles, preset views, sheets, and schedules, as well as creating custom element types and families. This training course can be taught in any one or a mix of all of the software programs using practices specific to each discipline.

Topics include:

- Create custom templates with annotation styles, title blocks, and custom element types
- Create schedules, including material takeoff schedules with formulas
- Create custom wall, roof, and floor types
- Set up a family file
- Create family geometry
- Create family types
- Create specific families, including, in-place families, profiles, annotation, and shared parameters

This training course also includes additional discipline-specific practices for families including doors, windows, railings, pipe fittings, light fixtures, gusset plates, and built-up columns.

Prerequisites:
Students should be comfortable with the fundamentals of Revit as taught in the *Revit Fundamentals* course. Knowledge of basic techniques is assumed, such as creating walls, roofs, and other objects, copying and moving objects, and creating and working with views, etc.

Manual: Total number of pages**: 592**

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