Autodesk® Revit Productivity

Brief Synopsis of Class Contents:

Once initial Revit Fundamentals training has been accomplished and competence with the use of Revit for your discipline at a basic level has been attained, Revit Productivity can be taken to advance your Revit skills to the next level. This class is geared for all disciplines and covers more advanced topics that are generally not covered in a fundementals class. It will also explore in more depth topics that may have been covered in a fundamentals class at a higher, overview level of instruction. Revit Productivity is the next step towards becoming a Revit "Power User".

Learning Objectives:

- Understand and use Cross-Discipline Collaboration tools
- Work effectively with Groups
- Import and Export Data
- Use Project Phasing and Design Options
- Effectively set up projects for multi-disciplinary collaboration
- Understand and be able to use more advanced schedule creation and formatting tools.
- Create and edit intelligent 2D families for annotation and enhanced modeling.
- Develop effective skills for managing your Revit Project Template and Standards

Courseware:

Ascent Official Training Courseware:

- Revit Collaboration Tools
- Revit BIM Management

Number of Days:

3 Half Day Sessions

Continuing Education Hours:

11 hours

Who Should Attend:

Users of Revit with a good understanding and proficiency with Revit fundamental tools.

Prerequisites:

Revit Fundementals training for either Architecture, Structural Engineering, MEP Engineering or Corporate Interiors, or equivalent experience/proficiency.

System and Software Requirements:

http://www.asti.com/LiveLab-Learning-amp-Training/LiveLab-System-Requirements

FAQs and Cancellation Policy:

http://www.asti.com/LiveLab-Learning-amp-Training/LiveLab-FAQS

Class Outline and Topics:

Cross-Discipline Collaboration

- Working with Civil/Survey files and Shared Coordinates
- Linked File View Control
- Worksharing
- Copy/Monitor and Coordination Review
- Interference Checking

Groups

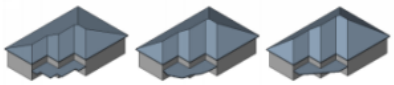
- Working with Model and Detail Groups
- Group Editing and Manipulation
- Saving a Group as a Project/Inserting a Project as a Group

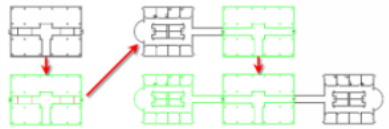
Importing and Exporting Data

- Importing and Linking Vector Data
- Importing Raster Data
- Exporting to CAD formats
- Exporting for Energy Analysis

Project Phasing

- View and Element Phase Properties
- Phase Settings
- Phase-Specific Schedules
- Phase-Specific Views
- Phase Mapping with Linked Files





Design Options

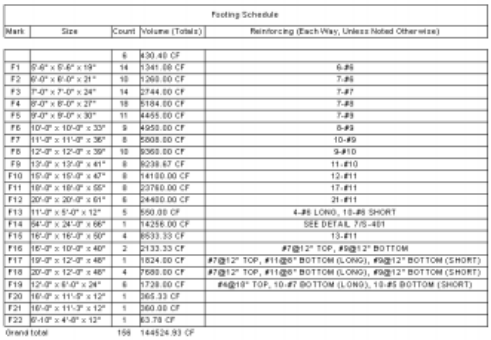
- Option Sets and Options
- Copying Elements to Option Sets
- Editing Options
- Option Visibility Control
- Option-Specific Schedules

Project Setup for Multi-Disciplinary Collaboration

- Coordinating Civil/Survey files, Building Models and Site Models
- True North vs. Project North
- Understanding Shared Coordinates with Multiple Disciplines
- Levels and Views
- View Types and View Templates
- View Filters

Advanced Schedules

- Shared vs. Project Parameters
- Calculated Values and Conditional Formatting
- Key Schedules and Other Schedule Types
- Other Schedule Types



Footing Schedule

Mark	Size	Count	Volume (Totals)	Reinforcing (Each Way, Unless Noted Otherwise)
		6	630.40 CF	
F1	5'-6" x 5'-6" x 19"	14	1341.00 CF	6-#6
F2	6'-0" x 6'-0" x 21"	10	1260.00 CF	7-#6
F3	7'-0" x 7'-0" x 24"	14	2744.00 CF	7-#7
F4	8'-0" x 8'-0" x 27"	18	5184.00 CF	7-#8
F5	9'-0" x 9'-0" x 30"	11	4455.00 CF	7-#9
F6	10'-0" x 10'-0" x 33"	9	4950.00 CF	8-#9
F7	11'-0" x 11'-0" x 36"	8	5808.00 CF	10-#9
F8	12'-0" x 12'-0" x 39"	10	9360.00 CF	9-#10
F9	13'-0" x 13'-0" x 41"	8	9238.67 CF	11-#10
F10	15'-0" x 15'-0" x 47"	8	14100.00 CF	12-#11
F11	18'-0" x 18'-0" x 55"	8	23760.00 CF	17-#11
F12	20'-0" x 20'-0" x 61"	6	24400.00 CF	21-#11
F13	11'-0" x 5'-0" x 12"	5	550.00 CF	4-#6 LONG, 18-#6 SHORT
F14	64'-0" x 24'-0" x 66"	1	14256.00 CF	SEE DETAIL 7/S-401
F15	16'-0" x 16'-0" x 50"	4	9533.33 CF	13-#11
F16	16'-0" x 10'-0" x 40"	2	2133.33 CF	#7@12" TOP, #9@12" BOTTOM
F17	19'-0" x 12'-0" x 48"	1	1824.00 CF	#7@12" TOP, #11@6" BOTTOM (LONG), #9@12" BOTTOM (SHORT)
F18	20'-0" x 12'-0" x 48"	4	7680.00 CF	#7@12" TOP, #11@6" BOTTOM (LONG), #9@12" BOTTOM (SHORT)
F19	12'-0" x 6'-0" x 24"	6	1728.00 CF	#4@18" TOP, 10-#7 BOTTOM (LONG), 10-#5 BOTTOM (SHORT)
F20	16'-0" x 11'-0" x 12"	1	366.33 CF	
F21	16'-0" x 11'-0" x 12"	1	360.00 CF	
F22	10'-10" x 4'-8" x 12"	1	83.78 CF	
Grand total		156	144524.93 CF	

2D Family Editing

- Profile Families for 3D Modeling
- Generic Annotation and Custom Tags

Revit Project Template Development and Management

- Revit Template Content Best Practices
- Establishing a Default Template
- Documenting Template Content and Changes
- Updating a Template from Project Data