

Practice Exercise 3

Model Documentation



Objective Domains that are covered within this practice exercise are:

- 1.4a Create, edit, and delete rooms
- 1.1f Understand the functions and limitations of model and detail groups
- 4.1d Apply and edit view templates
- 4.1i Use duplicate views
- 4.1c Apply visibility/graphic overrides
- 5.5a Control the appearance of elements at a project level

Video resources that may help with this practice exercise are:

- Create, edit, and delete rooms
- Furniture floor plan
- Visibility, graphics, and object styles

The focus of this exercise is on model documentation: using Rooms, Areas, and Duplicate/Dependent views to demonstrate how model documentation could take place. The second focus is on visibility and graphic overrides to demonstrate how to customize the graphics of model elements and explore how some annotation elements are graphically controlled. Step-by-step instructions are included to guide you through the selections.

The following steps need to be completed:

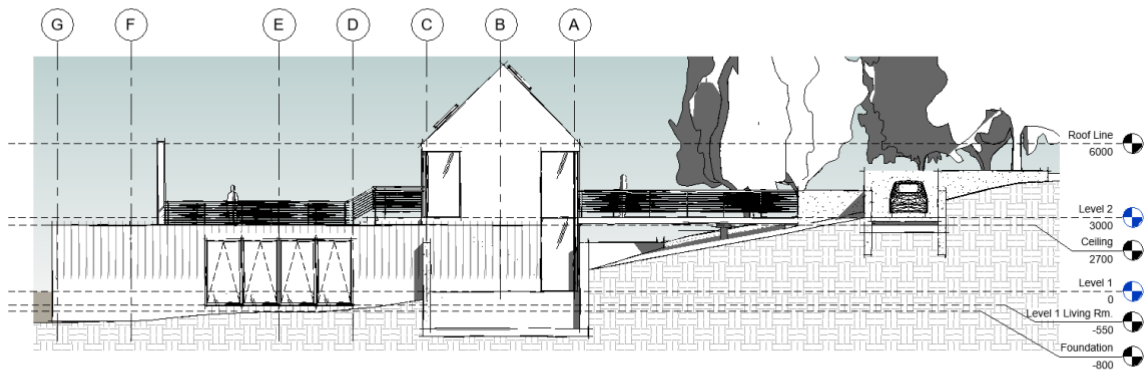
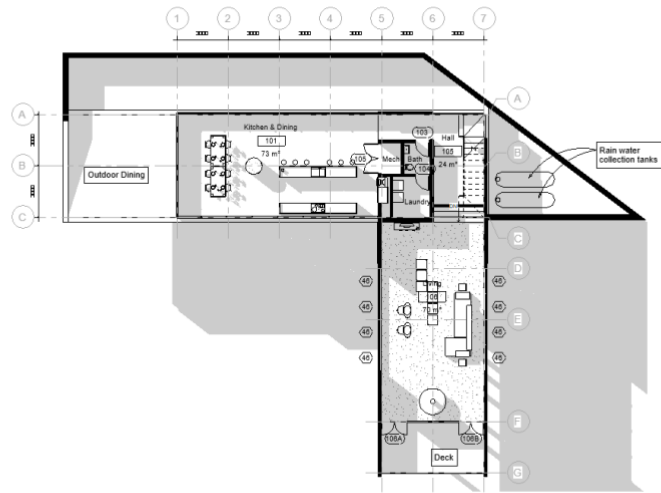
1. Open **Lesson 03 Sample Project.rvt** and create a presentation floor plan view.
2. Create a duplicate with detailing of the Level 1 view and rename it to be Level 1 Presentation.
3. In the visibility and graphic overrides make the following changes:
 - Set Walls cut pattern to solid and the color to black for both the foreground and the background.
 - Set the grids to be halftone.
 - Hide elevations and sections by deselecting them.
 - Expand rooms and deselect Reference.
4. Within the graphic display options, expand Shadows and select Cast Shadows and Show Ambient Shadows.
5. Expand Lighting and reduce shadows to below 20.
6. Open up the East Elevation.
7. Open the Architectural Elevation view template.
8. Select Sketchy Lines and select Edit. Enable Sketchy Lines and set Jitter to 2 and Extensions to 7 (adjust the values as desired).
9. Select Shadows and select Cast Shadows.
10. Select Background and set it to Gradient.
11. Click Ok to close the view template dialog.
12. Assign the view template to all the elevations.

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Final Examples:



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