

Practice Exercise 2

Design Modeling in Revit



Objective Domains that are covered within this practice exercise are:

- 1.1a Work with walls and wall types
- 1.1b Create and modify floors, roofs, and ceilings
- 5.3a Modify level and grid types

Video resources that may help with this practice exercise are:

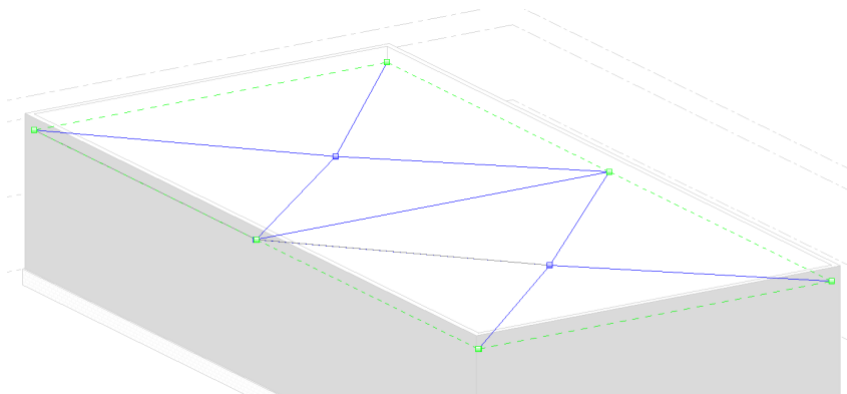
- Basic walls
- Stacked walls
- Roofs

The purpose of this exercise is to give users an overview of the modeling techniques available within Revit. This lesson shows users how to create stacked walls, create a building with the stacked wall type, and model a roof. The primary goal is for the student to have an understanding of each of these modeling techniques, and by the end of the exercise be able to not only demonstrate the ability to use each tool, but also have the ability to describe in detail how each tool can be used.

The following steps need to be completed:

1. Use the **Lesson 02 Practice Exercise.rvt** start file (created in Revit 2019). This project already has several levels used in the exercise.
2. Create a stacked wall type using two basic walls.
3. Using the stacked wall type, create a building that is 150' wide x 75' deep. Walls should be from Level 1 to Top of parapet.
4. Model a roof at the "Roof" level, and add 2 low points using the shape editing tools. The elevation of these points should be -10".

For example:



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