

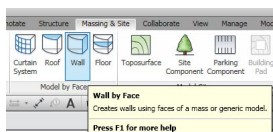
Please Note: If you're new to Revit, you may be interested in my "[Beginner's Guide to Revit Architecture](#)" **84 part video tutorial training course**

. The course is 100% free with no catches or exclusions. You don't even need to sign-up. Just enjoy the course and drop me line if you found it useful. The [full course itinerary can be viewed here](#)

This article will give you a basic introduction to Revit Architecture's "**Building Maker**" functionality. We will take a look at what the "

Building Maker

" is and when you would use it. We will also briefly discuss all of the main tools within the "Building Maker" (Detailed instructions on how to use each of the tools will be covered in separate articles)



So what exactly is the "**Building Maker**"? Well, if you have read this article you will know that Revit Architecture contains some pretty powerful tools for forming and editing "

Conceptual Mass Forms

”. This is all well and good but these forms are a long way off from representing real-world building elements. It would be a real shame (and a huge waste of time) if after creating our conceptual massing study, we had to start all over again modelling walls, floors, roofs, etc.

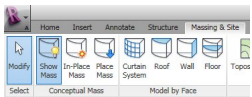
This is where the “**Building Maker**” comes into play. The work flow goes basically goes like this:-

1) Form the concept for your building using Conceptual Mass Forms (in the “ [Conceptual Design Environment](#)”)

2) Use the “Building Maker” to automatically create building elements (walls, floors, roofs, curtain systems) from the faces of your mass forms.

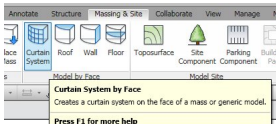
Where do I find the “Building Maker” tools?

The Building Maker tools can be found on the “**Massing & Site**” tab, in the “**Model by Face**” panel....

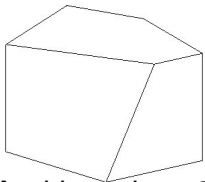


Let's take a look at each one of these in turn.....

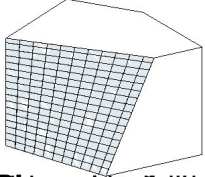
Curtain System



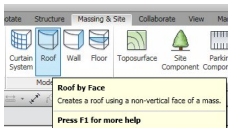
This tool allows us to quickly and easily create a **Curtain System** directly from the **face** of a mass form.



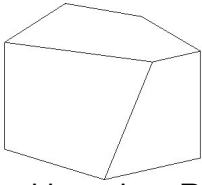
Another **Curtain System** formed by selecting the appropriate face and using the "Curtain System" tool.



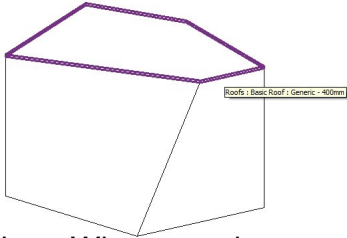
Please note that the **Roof** tool (as already used in the **Curtain System**) also works on **non-vertical faces** to create a **Roof**.



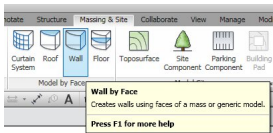
This tool allows us to quickly and easily create a **Roof** directly from the non-vertical face of a mass form. Here is a basic mass form....



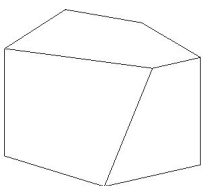
And here is a **Roof** element formed by selecting the top face and using the “Roof” tool....



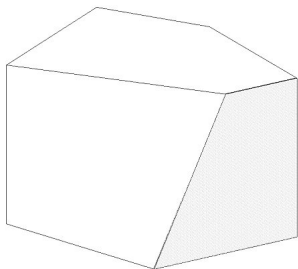
Note: When creating your roof element, you have a choice of roof **Type**, from all those defined in the **Wall** project environment.



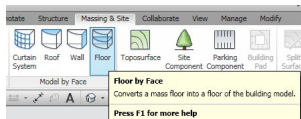
This tool allows us to quickly and easily create a (you know what's coming!) **Wall** element directly from the face of a mass form. Here is a basic mass form....



And here is a Wall element formed by selecting the top face and using the “Wall” tool....



Floor



And finally! Yes, you've guessed it: This tool allows us to quickly and easily create Floor elements directly from "**mass floors**". **STOP** right there! You will note that I didn't write "*directly from the face of a mass form*

". That's because there is an

intermediate

step that you have to do first . You cannot create floors directly from a mass face- but create "

mass floors

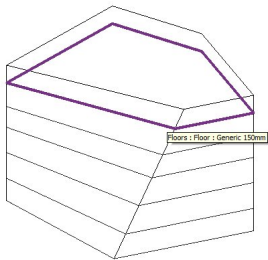
" first,

THEN

use the Floor tool to create your floor elements. We will cover the use of "

mass floors

" in a separate article.



And that's an overview of Revit Architecture's **Building Maker** in a nutshell! In other articles we will examine the use of each of the above tools separately.