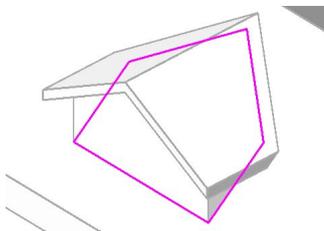


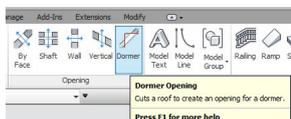
**Please Note:** If you're new to Revit, you may be interested in my "[Beginner's Guide to Revit Architecture](#)" **84 part video tutorial training course**

. 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](#)

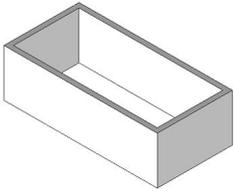
In this article we are going to take a look at the how to use the "**Openings: Dormer**" tool to form an opening in a roof, ready to receive a dormer.



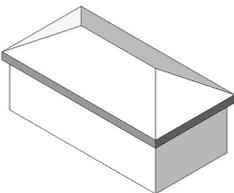
The "Openings: Dormer" tool can be found on the "**Home**" menu, in the "**Openings**" ribbon tab....



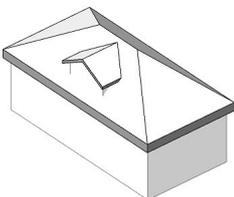
So without further ado, let's just dive in and use the tool! First of all I'll whip up a quick little building with a dormer on it. Here's my walls....



And I'll now put a pitched roof on it.....

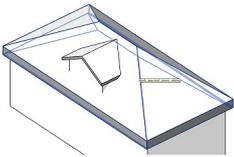


And finally I'll add the dormer- comprised of walls on 3 sides and a little pitched roof on top. Just like this.....



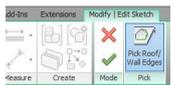
Now the things to note in the above image are: The dormer roof has been “joined” to the main roof. The side and front walls to the dormer just come crashing up through the main roof. What we are going to use the “Openings: Dormer” tool for, is to create an opening in the main roof, which will allow our dormer construction to protrude correctly.

So first of all I elect the “Openings: Dormer” tool. Revit now asks me to select the roof that is “going to be cut by the dormer opening”- this is our main roof....



Revit enters a version of “sketch mode”, where it now requires us to pick elements and e

edges that will define the boundary of the roof opening.....



So I'm going to go around the model and pick:-

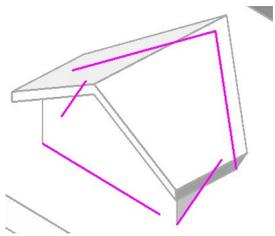
**-The dormer roof**

**-Each of the 2 “outer” faces of the side walls to the dormer**

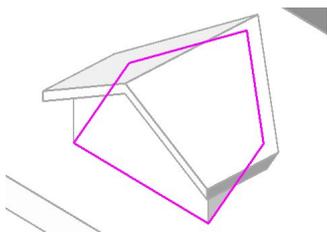
### -The outer face of the front wall of the dormer.

As I pick each one, Revit displays a sketch line- this line is part of the boundary to the opening- all these lines will lie on a plane coincident with the slope of the main roof.

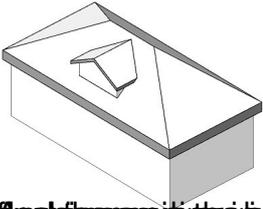
Here is my boundary lines....



I'm now just going to go round with the "Trim"/Extend to corner" tool, to complete the boundary loop....



In the above image you can clearly see the boundary of the opening we wish to create, sketched out on the plane of the roof slope. All I do now is hit the big Green Tick on the menu bar to tell Revit to go ahead and form the opening....



As shown in the drawing, the dormer window is a smaller gabled structure protruding from the main roof. The dormer is a smaller gabled structure protruding from the main roof. The dormer is a smaller gabled structure protruding from the main roof.

