

Changing the Pitch of a Single Automatic Roof Plane

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The information in this article applies to:



QUESTION



Most of my roof has an 8:12 pitch, but the shed roof over the porch has a pitch that is only 3:12. What do I need to do to automatically build a roof with more than one pitch, such as in the image below?



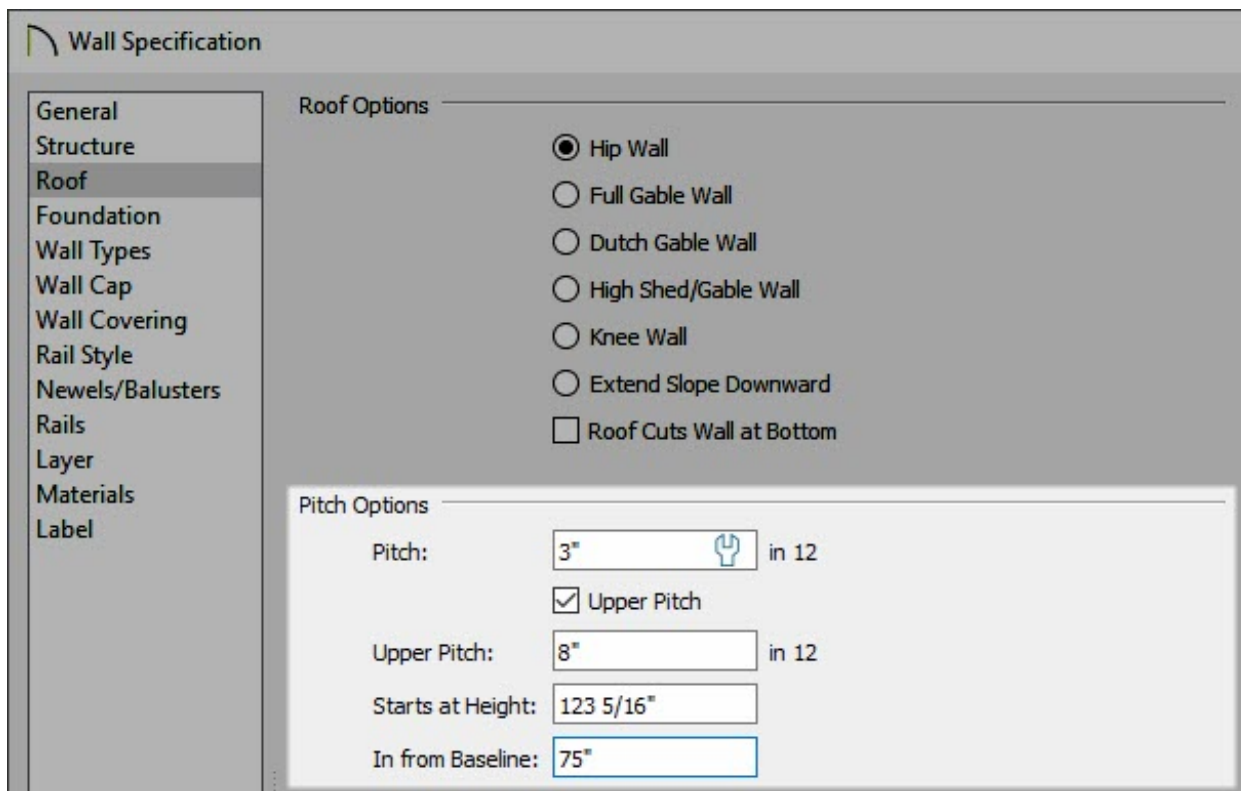
ANSWER

In Chief Architect, you can quickly build an automatic roof based on the settings in the Build Roof dialog. If you need different settings for a particular roof plane in your plan, you can specify these special settings on the Roof panel of the Wall Specification dialog of the wall that this roof plane will bear on when built.

To specify the pitch for a single automatic roof plane

1. Using the **Select Objects**  tool, Click on the wall that the roof section you wish to change will bear on to select it, then click the **Open Object**  edit button.
2. On the **ROOF** panel of the **Wall Specification** dialog, specify the desired **Pitch**.

You can also specify how far this roof pitch builds into the structure before it meets a second, steeper pitch. To do this, check the box beside **Upper** to enable the settings that follow, and then:




- Specify the desired **Upper** pitch.


In this example, this is 8" in 12".

- Specify where to **Start** the upper pitch - by either specifying at what roof **Height** to transition from lower to upper pitch, or the measurement **In From Baseline** where the transition should occur

In this example, the porch room is 75" deep, so this value is specified **In from Baseline**.

3. Repeat for all walls that will support a roof plane with a non-default pitch.
4. Select **Build> Roof> Build Roof**  from the menu, and in the **Build Roof** dialog, specify the desired default pitch for your roof, check either **Build Roof Planes** or **Auto Rebuild Roofs**, then click **OK**.
 - The roof that results will have the default pitch over all non-gable walls except those for which you specified a different pitch.

Related Articles

 [Creating Hip and Gable Roofs Manually \(/support/article/KB-00441/creating-hip-and-gable-roofs-manually.html\)](/support/article/KB-00441/creating-hip-and-gable-roofs-manually.html)