

Changing the Pitch of a Single Automatic Roof Plane

Reference Number: **KB-00045**

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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

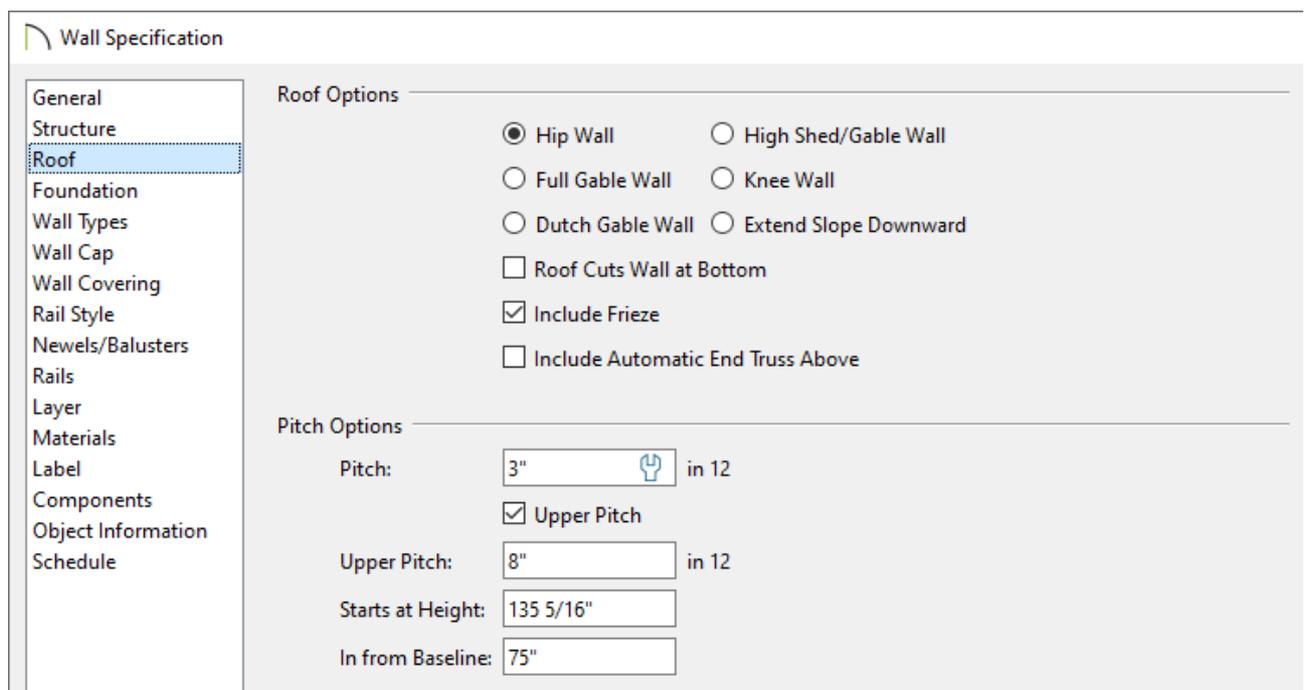
In Chief Architect, you can quickly build an automatic roof based on the settings in the Build Roof dialog. If you need different settings for a particular roof plane in your plan,

you can specify these specific settings on the Roof panel of the Wall Specification dialog for 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:



Wall Specification

General
Structure
Roof
Foundation
Wall Types
Wall Cap
Wall Covering
Rail Style
Newels/Balusters
Rails
Layer
Materials
Label
Components
Object Information
Schedule

Roof Options

Hip Wall High Shed/Gable Wall
 Full Gable Wall Knee Wall
 Dutch Gable Wall Extend Slope Downward
 Roof Cuts Wall at Bottom
 Include Frieze
 Include Automatic End Truss Above

Pitch Options

Pitch:  in 12
 Upper Pitch
Upper Pitch: in 12
Starts at Height:
In from Baseline:

- Specify the desired **Upper Pitch**.

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

- Specify where to start the upper pitch - by either entering a value in the **Starts at Height** field or **In from Baseline** field.

In this example, the porch room is 75" deep, and we want the pitch to change where the porch meets the main structure, so we will specify our value using the In from Baseline field.

3. Repeat steps 1 and 2 for all walls that will support a roof plane with a non-default pitch.
4. If your roof is not set to auto rebuild, navigate to **Build> Roof> Build Roof**  from the menu, and in the **Build Roof** dialog that opens, check either the **Build Roof Planes** or **Auto Rebuild Roofs** box, then click **OK**.

Related Articles

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 [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)

 [Generating a Half-Hip Roof Automatically \(/support/article/KB-00736/generating-a-half-hip-roof-automatically.html\)](/support/article/KB-00736/generating-a-half-hip-roof-automatically.html)

 [Generating Automatic Hip and Gable Roofs \(/support/article/KB-00758/generating-automatic-hip-and-gable-roofs.html\)](/support/article/KB-00758/generating-automatic-hip-and-gable-roofs.html)



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