

Changing the Pitch of a Single Automatic Roof Plane

Reference Number: **KB-00045**

Last Modified: **May 24, 2023**

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 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:

The screenshot shows the 'Wall Specification' dialog box with the 'Roof' tab selected in the left-hand menu. The 'Roof Options' section contains several radio buttons and checkboxes. The 'Pitch Options' section contains input fields for 'Pitch', 'Upper Pitch', 'Starts at Height', and 'In from Baseline'.

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: 3" in 12
- ☒ Upper Pitch
- Upper Pitch: 8" in 12
- Starts at Height: 135 5/16"
- In from Baseline: 75"

- 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.

- Repeat steps 1 and 2 for all walls that will support a roof plane with a non-default pitch.
- 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-](/support/article/KB-00441/creating-hip-and-)

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