Specifying Roof Pitches

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The information in this article applies to:



QUESTION

When I set the pitch for the roof in the Build Roof dialog, it only lets me set one pitch. How do I tell the program to build a higher, or lower, pitched roof over part of my design?



ANSWER

The pitch for each individual wall in your plan can be specified on the Roof panel within the Wall Specification dialog. Most of the pitches for your roof are likely the same though, with only a few being different, so this is the pitch you'll want to use in the Build Roof dialog.

To set the overall pitch

- 1. Within your plan, select **Build> Roof> Build Roof** A.
- 2. On the ROOF panel, set the overall **Pitch (in 12)** for your plan that most of your roof planes need to be.

For the purposes of our example, we will set this pitch to 12" for an Imperial plan, or 45° in a Metric plan.

Build Roof			×
Roof Materials Roof Styles	Build Specifications Pitch (in 12):	Auto Rebuild Roofs	
	Minimum Alcove Size: Eave Overhang: Gable Overhang:	36" 18" 18"	

3. Click **OK** to apply this change.

Once you've set your overall pitch for the roof planes, you're ready to go around on a wall-by-wall basis and change the necessary walls that you don't want to follow the default setting.

To adjust the pitch over a single wall

- 1. Using the **Select Objects** tool, click on the wall which has a higher, or lower pitch than what you set in the Build Roof dialog, then click on the **Open Object** edit button.
- 2. On the ROOF panel, specify the desired **Pitch** for the roof plane that will build over this wall.

For the purposes of this example, we will set the pitch to 6" in an Imperial plan, or 26.5° in a Metric plan.

📉 Wall Speci	fication			×
General	Roof Options			
Roof		Hip Wall		
Materials		O Full Gable Wall		
		O Dutch Gable Wall		
		○ High Shed/Gable Wall		
		○ Knee Wall		
		O Extend Slope Downward		
	Pitch Options			
	Pitch:	6" 🖞 in 12		
		Upper Pitch		
	• Upper Pitch:	6" in 12	+	
	Start at Height:	145 15/16"	I	
	In From Baseline:	58 1/2"		
	Overbang			=toriO[
	Length:	18"		Exterio
	Length:	36"		
	Extend:	0"		
	Roof Type	Gable O Hin O Full		
	Slope:	Sloping Flat		
	siope:			
			OK	Cancel Help

- 3. Click **OK** to apply the change.
- 4. Repeat this process for any other walls in your plan which need to have a pitch that varies from the default set in the Build Roof dialog.

In some cases, such as in a gull wing or roof porch area, you may need to be able to set both an upper and a lower pitch for the roof

To set an upper and lower pitch

- 1. As described in the steps above, use the **Select Objects** tool, click on the wall which has a higher, or lower, pitch than what you set in the Build Roof dialog, then click on the **Open Object** click on the Unit button.
- 2. On the ROOF panel, specify the desired lower **Pitch** for the roof plane that will build over this wall or railing.
- 3. Check the **Upper Pitch** box, then specify an **Upper Pitch** value.
- 4. Specify where to **Start** the upper pitch by specifying at what **Height** to transition from the lower to the upper pitch, or the measurement **In From Baseline** where the transition should occur.

Wall Spec	fication			×
General	Roof Options			
Roof		Hip Wall		
Materials		O Full Gable Wall		
		O Dutch Gable Wall		
		O High Shed/Gable Wall		
		O Knee Wall		
		O Extend Slope Downward		
	Pitch Options			
	' Pitch:	4" () in 12		
		Upper Pitch		
	Upper Pitch:	8" in 12	-	
	Start at Height	145 15/16"		
	Ja Franz Davalia	07.2 (4)		
	In From Baseline:	87 3/4		
	Overhang			Exterior
	Length:	18"		
	Auto Roof Return			
	Length:	36"		
	Extend:	0"		
	Roof Type:	Gable ○ Hip ○ Full		
	Slope:	Sloping O Flat		
			ОК	Cancel Help

- 5. Click **OK** to apply the change.
- 6. Repeat this process for any other walls in your plan which need to have a pitch that varies from the default set in the Build Roof dialog.

Related Articles

- Automatically Building the Basic Roof Styles (/support/article/KB-00359/automatically-building-the-basic-roofstyles.html)
- Resources for Creating a Complex Roof Plan (/support/article/KB-00158/resources-for-creating-a-complex-roofplan.html)
- Troubleshooting why Roof Planes Fail to Generate (/support/article/KB-00115/troubleshooting-why-roof-planes-<u>fail-to-generate.html</u>)

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