Automatically Creating a Saltbox Roof

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The information in this article applies to:



QUESTION

I need to create a <u>Saltbox</u> style roof, which is similar to an Offset Gable, in my plan. How can I create this?



ANSWER

A saltbox roof can be created automatically by generating an additional floor level and utilizing the Knee Wall setting located on the Roof panel of the Wall Specification dialog.

To create a saltbox roof

1. In a blank plan, navigate to **Build> Wall> Straight Exterior Wall** , then click and drag out 4 walls to create a basic 30' x 40' structure.



2. Use the Select Objects > tool to click on the left 30' wall and select the Open
 Object edit tool.

Note: You can also use the Change to Gable Wall(s) edit tool to convert hip walls to gable walls without having to open the Wall Specification dialog.

General	Roof Options			
Structure		○ Hip Wall	O High Shed/Gable Wall	
Roof		Q Full Gable Wa	all O Knee Wall	
Wall Types		Dutch Gable	Wall O Extend Slope Downward	
Wall Covering		Roof Cuts Wall at Bottom Include Frieze		
Rail Style				
Newels/Balusters	Include Automatic End Truss Above			
Rails		- Include Autor	made End muss Above	
Layer Materials	Pitch Options			
Label	Pitch:	Vertical () in 12	
Components Object Information		Upper Pitch		
Schedule	Upper Pitch:	6"	in 12	
	Starts at Height:	172 7/8"		

- 4. Repeat Steps 2 and 3 to make the opposite wall a Full Gable Wall as well.
- 5. Select **Build> Floor> Build New Floor** and in the **New Floor** dialog that opens, choose to **Derive new 2nd floor plan from the 1st floor plan**, then click **OK**.



6. On the newly created 2nd floor, **Move** (1) the top horizontal 40' wall inwards so that its distance from the bottom horizontal wall changes from 30' to 20'



- 7. With this wall still selected, click the **Open Object** redit tool.
- 8. On the ROOF panel of the **Wall Specification** dialog that opens, select the **Knee Wall** option under the Roof Options section, then click OK.

A knee wall's height is defined by the roof above, not the ceiling height.

General	Roof Options			
Structure		O Hip Wall	O High Shed/Gable Wall	
Roof		O Full Gable Wall	Knee Wall	
Foundation				
Wall lypes		O Dutch Gable Wall O [®] Extend Slope Downward		
Wall Covering		Roof Cuts Wall at Bottom		
Rail Style		Include Frieze		
Newels/Balusters				
Rails			atic End Truss Above	
Layer	Pitch Options			
Materials		au (1)		
Label	Pitch:	8. 24	in 12	
Object Information		Upper Pitch		
Schedule	Upper Pitch:	6"	in 12	
	Starts at Height:	172 7/8"		

9. If Auto Rebuild Roofs is not enabled, navigate to **Build> Roof> Build Roof** from the menu, check the **Build Roof Planes** box, then click **OK** to see the changes reflect in your plan.

Related Articles

Creating a Dutch Hip Roof (/support/article/KB-00749/creating-a-dutch-hip-roof.html)
 Generating a Half-Hip Roof Automatically (/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)



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