## Creating a Flat Parapet Roof in Home Designer

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The information in this article applies to:



## QUESTION

How do I create a flat roof with parapet walls?



## ANSWER

Parapet roofs can easily be created by creating a second floor with no roof or ceiling.

To create a flat parapet roof

- 1. In a new, blank plan, select **Build> Wall> Straight Exterior Wall** and draw four walls in a clockwise manner to create an enclosed rectangular structure.
- 2. **Open** These walls up to specification, choose the desired **Wall Type** on the GENERAL panel, then click **OK**.

In Home Designer Pro, the wall type can be changed on the  $W\mbox{\scriptsize ALL}$  Types panel.

In this example, the Brick-6 wall type is specified.

**Note:** To learn more about group selecting objects, please see the <u>Related Articles</u> section below.

│ Wall Specific	ation		×
General	General		- 🔂 - 🔝 🌐
Roof Materials	Thickness:	10 7/16"	
IVIACEITAIS	Wall Length:	No Change	
	Wall Angle:	No Change	
	Options		-
		Invisible	
		No Room Definition	
		No Locate	
		No Room Moldings Exterior	
		No Room Moldings Interior	
		Ignored by Hide Exterior Walls	•
	Wall Type		-
		Brick-6	, baria
		Wall exterior is at top of drawing.	
		that exterior is at top of drawing.	
		ОК С	ancel Help

Select Build> Floor> Build New Floor is from the menu and in the New Floor dialog, choose Derive new 2nd floor plan from the 1st floor plan, then click OK.

New Floor ×				
Derive new 2nd floor plan from the 1st floor plan				
Move the roof over the highest floor up				
Step floor/ceiling elevations to match existing floor				
O Make new blank plan for the 2nd floor				
OK Cancel Help				

4.	In the	2nd	Floor	Defaults	dialog that	displays next:
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│ 2nd Floor Defaults					
Structure	Absol	ute Elevations			
Moldings Fill Stude		Floor Above:			
Fill Style Materials		Ceiling:	159 1/4"		
		Floor:	121 3/4"		
		Floor Below:	0"		
	Relativ	ve Heights			
	ļ	Rough Ceiling:	37 1/2"		
		Finished Ceiling:	36"		
		SWT To Ceiling:	37 1/2"		
		Ceiling Below:	109 1/8"		
		Stem Wall:	37 1/2"		
		SWT = Stem Wall	Тор		
	Ceilin	g			
			Roof Over This Room		
			Flat Ceiling Over This Room		
			Shelf Ceiling		
			Use Soffit Surface for Ceiling		
		Ceiling Structure:	5 1/2"		
		Ceiling Finish:	5/8" Default		
	Floor				
		Floor Finish:	7/8" Default		
		Floor Structure:	12 5/8"		

• On the STRUCTURE panel, specify the **Finished Ceiling** value to the height you would like for your parapet walls, then uncheck **Roof Over This Room**. The **Flat Ceiling Over This Room** setting will automatically become unchecked as well.

In this example, a value of 36" is specified.

• On the MOLDINGS panel, adjust the moldings that are applied to the inside of the room.

In this example, no molding profiles are specified.

- On the MATERIALS panel, adjust the **Floor Finish** material to your liking.
- Make any other desired changes, then click **OK**.
- 5. With **Floor 2** now active 2 , group select the newly created walls, then click the **Open Object** edit button.
- 6. In the **Wall Specification** dialog that displays:

- In Home Designer Pro, you can access the RAIL STYLE panel, check the **Specify Railing** box, and set the type to **Solid**. By doing this, automatic wall caps will generate on each of the walls.
- On the MATERIALS panel, change the **Exterior Wall Surface**, **Interior Wall Surface**, and **Wall Cap** (if applicable) materials to fit your needs.
- Make any other desired changes, then click **OK**.
- 7. *(Optional)* Wall caps can be created manually using the **Closed** box located in the Library Browser. This is found by navigating to **Home Designer Core Catalogs> Shapes> Boxes> Closed**.

Once placed, the Width, Depth, Height, Floor to Bottom/Top, and Material can all be adjusted, effectively giving you the ability to create fully custom caps that can be placed on top of your parapet walls.

8. Take a **Camera ()** view to see the results.



You are now ready to further customize the plan, or take the knowledge you have gained and apply it to your own design.

**Related Articles** 

Defining a Wall Type in Home Designer (/support/article/KB-00382/defining-a-wall-type-in-home-designer.html)
Group Selecting Objects (/support/article/KB-00624/group-selecting-objects.html)

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