

## Creating a Flat Parapet Roof

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Reference Number: **KB-00295**

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The information in this article applies to:



### QUESTION

How do I create a flat roof structure with parapet walls?

To create a flat parapet roof

1. Launch Chief Architect and create a new plan by selecting **File> New Plan**  from the menu.
2. Select **Build> Wall> Straight Exterior Wall**  and draw four walls in a clockwise manner to make a simple enclosed rectangular structure.
3. Next, select **Build> Floor> Build New Floor**  from the menu and in the **New Floor** dialog, choose **Make new blank plan for the 2nd Floor**, then click **OK**.
4. On the **STRUCTURE** panel of the **Floor 2 Defaults** dialog that displays:

Floor 2 Defaults

**Structure**

Moldings  
Fill Style  
Materials

**Absolute Elevations**

Floor Above: 165 3/8"  
Ceiling: 159 7/8"  
Floor: 121 3/4"  
Floor Below: 0"

**Relative Heights**

Rough Ceiling: 38 1/8"  
Finished Ceiling: 36"  
SWT To Ceiling: 38 1/8"  
Ceiling Below: 109 1/8"  
Stem Wall: 37 1/2"  
SWT = Stem Wall Top

**Ceiling**

Roof Over This Room  
 Flat Ceiling Over This Room  
 Shelf Ceiling  
 Use Soffit Surface for Ceiling

Ceiling Structure: 5 1/2" Edit...  Default  
Ceiling Finish: 5/8" Edit...  Default



**Floor**

Floor Under This Room  
 Floor Supplied by the Foundation Room Below  
 Monolithic Slab Foundation


Slab Pour Number: 1

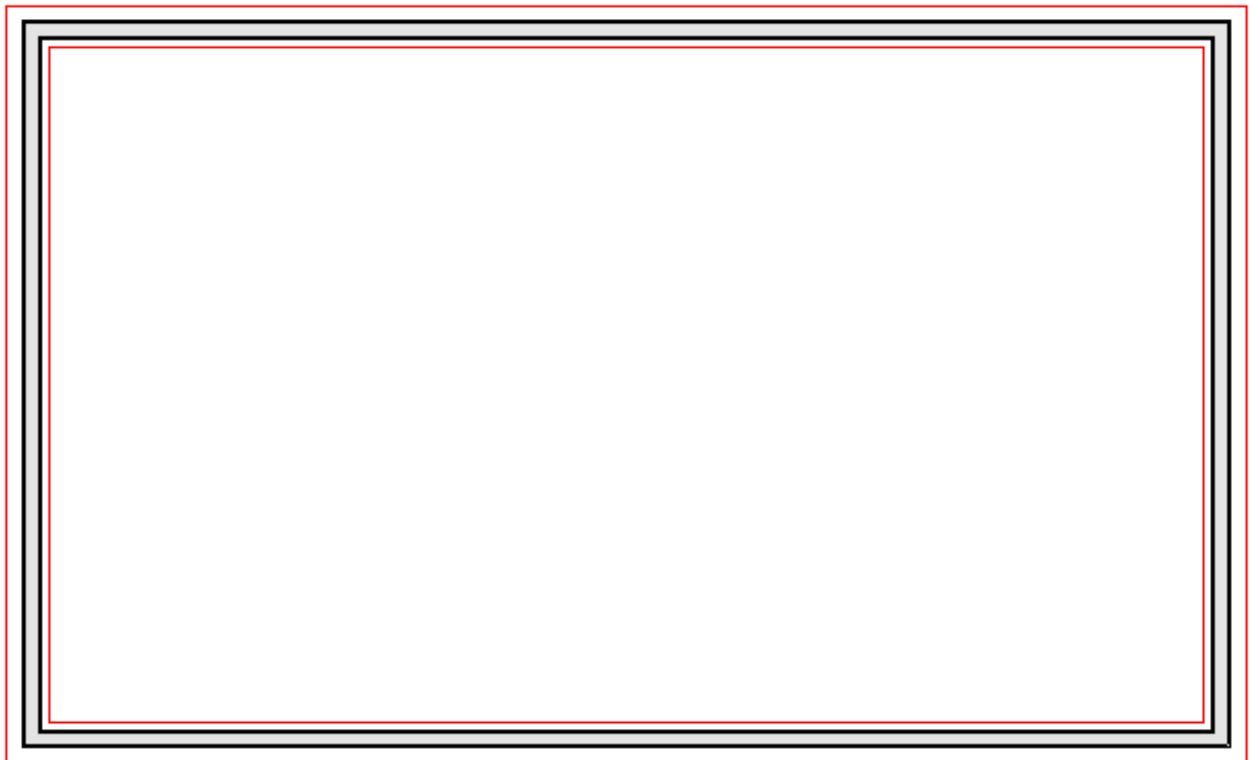
Floor Finish: 1 1/2" Edit...  Default  
Floor Structure: 12 5/8" Edit...  Default

- Specify the **Finished Ceiling** value to be **36"**.
- Uncheck **Roof Over This Room** and **Flat Ceiling Over This Room**.
- Select the **Edit** button next to **Floor Finish** and specify the material(s) that will be used for the flat roof.
- Make any other desired changes and then click **OK**.


5. Next, with **Floor 2** active , select **Tools> Floor/Reference Display> Reference Display** , or press the **F9** hotkey keyboard shortcut to see how the second floor relates to the first.

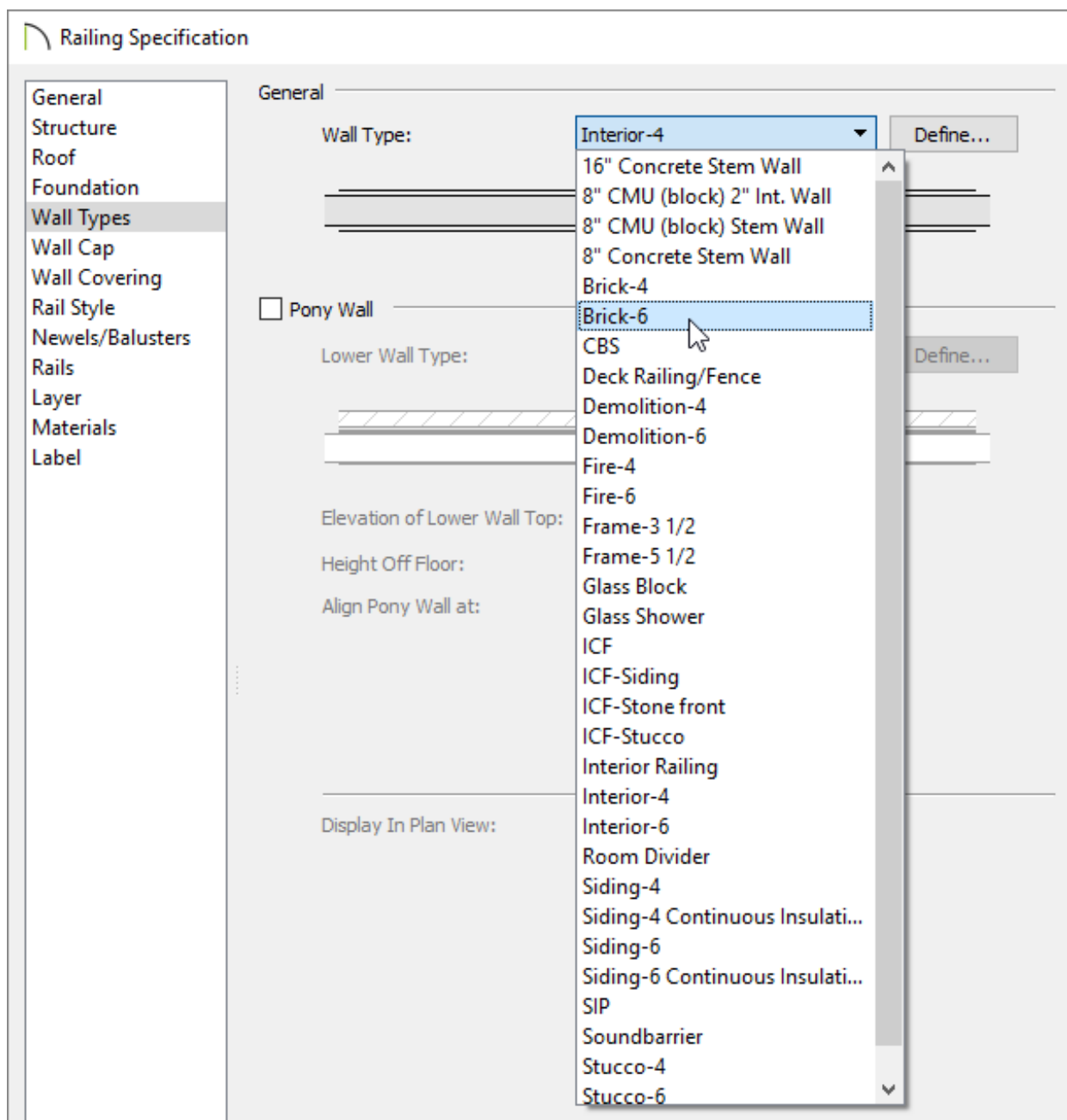
In Chief Architect X10 and prior program versions, navigate to Tools> Reference Floors> Reference Floor Display.

6. Select **Build> Wall> Straight Half-Wall**  and draw four half walls in a clockwise manner, directly on top of the reference lines to make a simple enclosed rectangular structure.



The half walls should snap directly to the reference display lines of the first floor walls, however, if you select a half wall and it's not aligned properly, select the Align with Wall Below edit tool.

7. Select all four walls and choose the **Open Object**  edit button to open the **Railing Specification Dialog**.

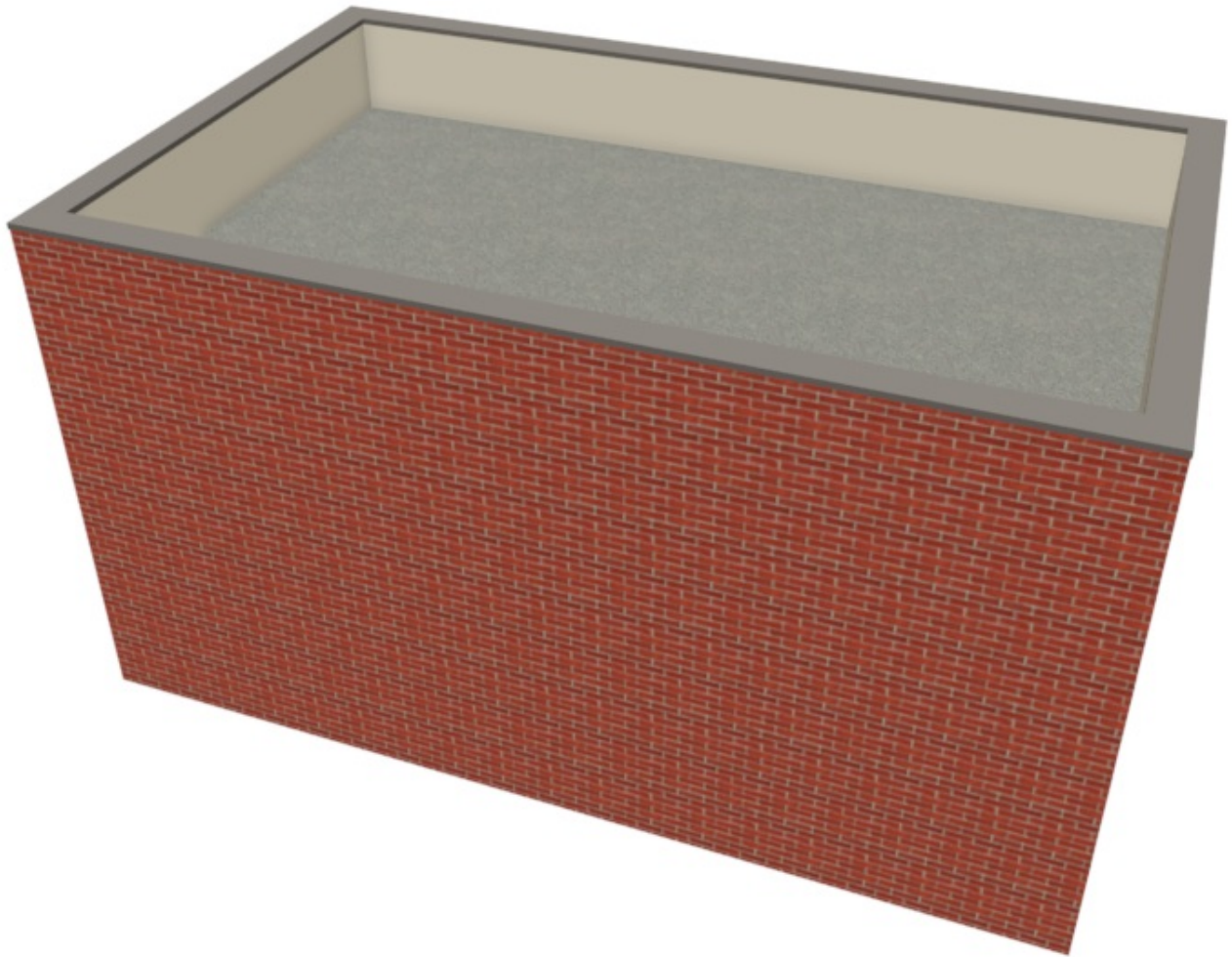


- On the **WALL TYPES** panel, set the Wall Type to match the walls that are on the first floor.

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

- Click on the **WALL CAP** panel and change the wall cap profile and size to your liking.
- Select the **MATERIALS** panel and change the **Interior Wall Surface** and **Wall Cap** materials to fit your needs.
- Make any other desired changes, then click **OK**.

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



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Related Articles

[🏠 Joining a Barrel Roof to a Flat Roof Plane \(/support/article/KB-00684/joining-a-barrel-roof-to-a-flat-roof-plane.html\)](/support/article/KB-00684/joining-a-barrel-roof-to-a-flat-roof-plane.html)