

Creating a Flat Parapet Roof

Reference Number: **KB-00295**

Last Modified: **August 25, 2022**

The information in this article applies to:



QUESTION




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



ANSWER

Parapet roofs can be created easily in Chief Architect by building a second floor with no roof or ceiling over it.

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 next:

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" Default

Ceiling Finish: 5/8" Default

Floor

Floor Under This Room

Floor Supplied by the Foundation Room Below




Monolithic Slab Foundation

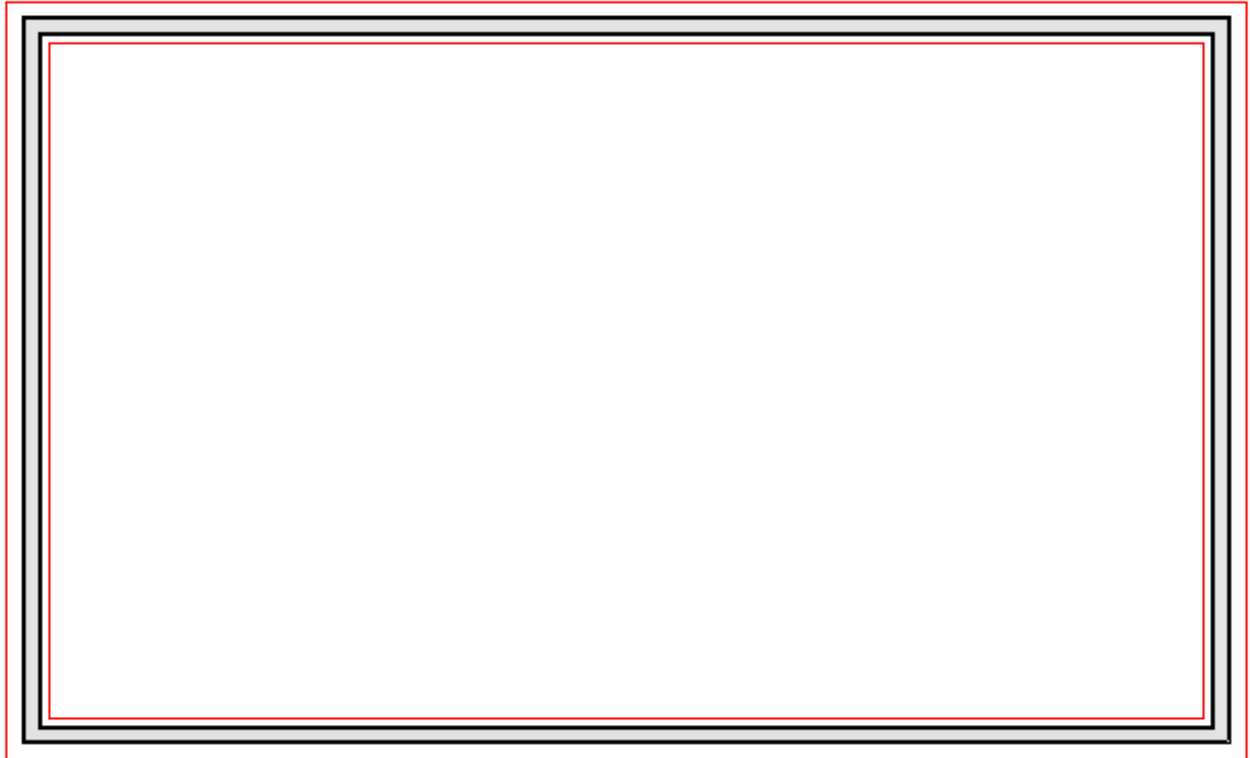
Slab Pour Number: 1

Floor Finish: 1 1/2" Default

Floor Structure: 12 5/8" Default

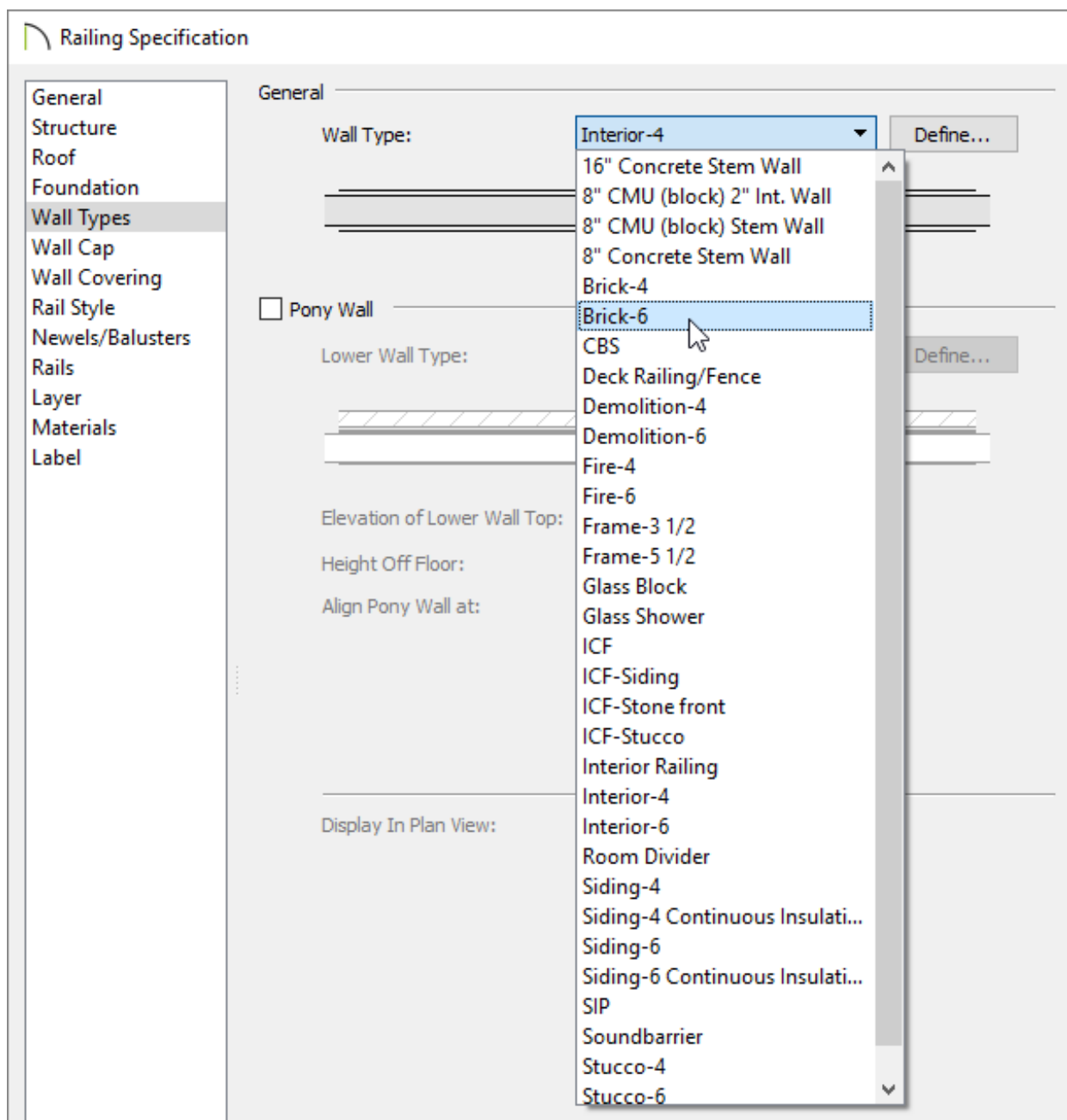
- Specify the **Finished Ceiling** value to be **36"**.
- Uncheck **Roof Over This Room**. The Flat **Ceiling Over This Room** setting will automatically become unchecked as well, which is what we want.
- Select the **Edit** button next to **Floor Finish** and specify the material(s) that will be used for the flat roof.
- Make any other desired changes, then click **OK**.

- 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.
- 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.

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

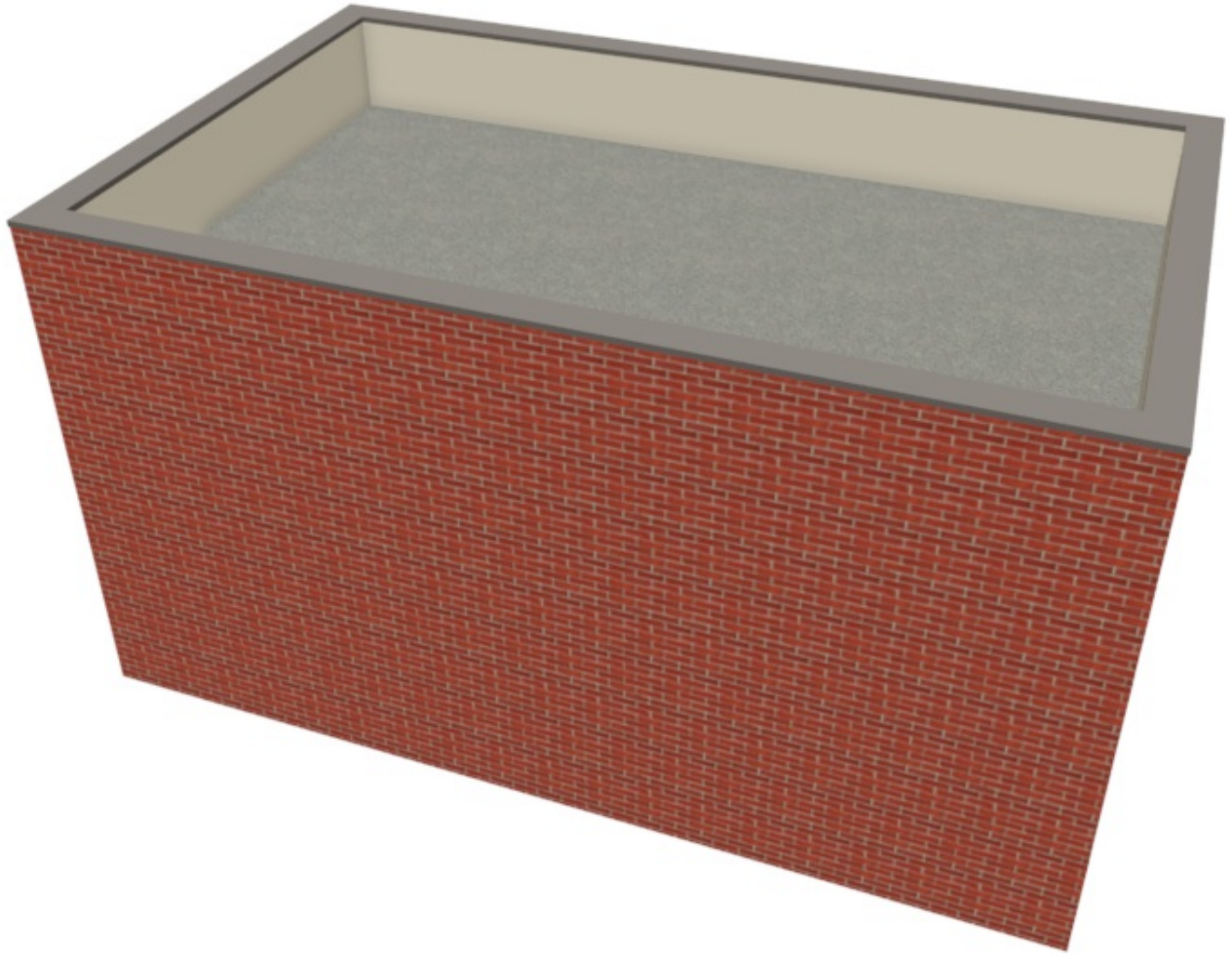


- On the **WALL TYPES** panel, set the Wall Type to match the walls that are on the first floor.


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.



Related Articles

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



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