

Creating a Flat Parapet Roof

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?



ANSWER

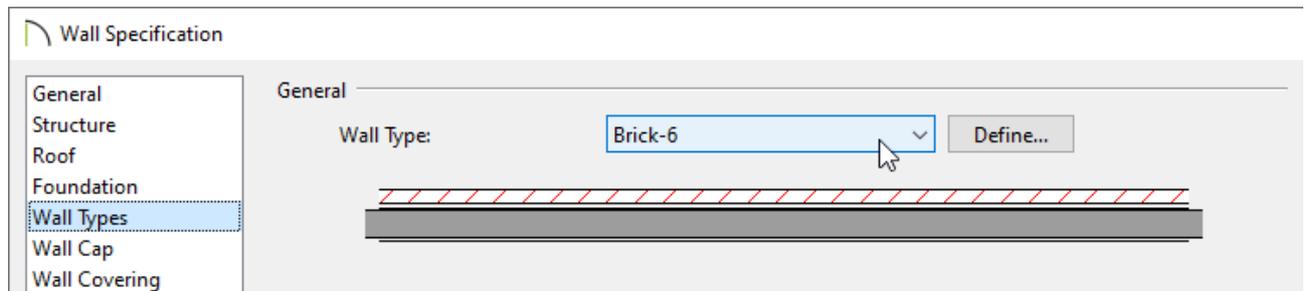
Parapet roofs can be created easily in Chief Architect by building a second floor with no roof or ceiling over it.

To create a flat parapet roof

1. In a new, blank plan, select **Build> Wall> Straight Exterior Wall**  and draw four walls in a clockwise manner to make a simple, enclosed rectangular structure.
2. **Open**  these walls up to specification, access the **WALL TYPES** panel, then choose the desired **Wall Type** using the drop-down. Once set, click **OK**.

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

Note: To learn more about group selecting objects, please see the [Related Articles](#) section below.



3. Select **Build> Floor> Build New Floor**  from the menu and in the **New Floor** dialog, choose **Derive new 2nd floor plan from the 1st floor plan**, then click **OK**.
4. On the **STRUCTURE** panel of the **2nd Floor Defaults** dialog that displays next:

2nd Floor Defaults

Structure
Moldings
Fill Style
Materials
Object Information

Absolute Elevations

Floor Above:

Ceiling:

Floor:

Floor Below:

Relative Heights

Rough Ceiling:

Finished Ceiling:

SWT To Ceiling:

Ceiling Below:

Stem Wall:

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

Raised Floor For Bump Out

Floor Finish: 7/8" Default

Floor Structure: 12 5/8" Default

- Specify the **Finished Ceiling** value to the height you would like for your parapet walls.

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

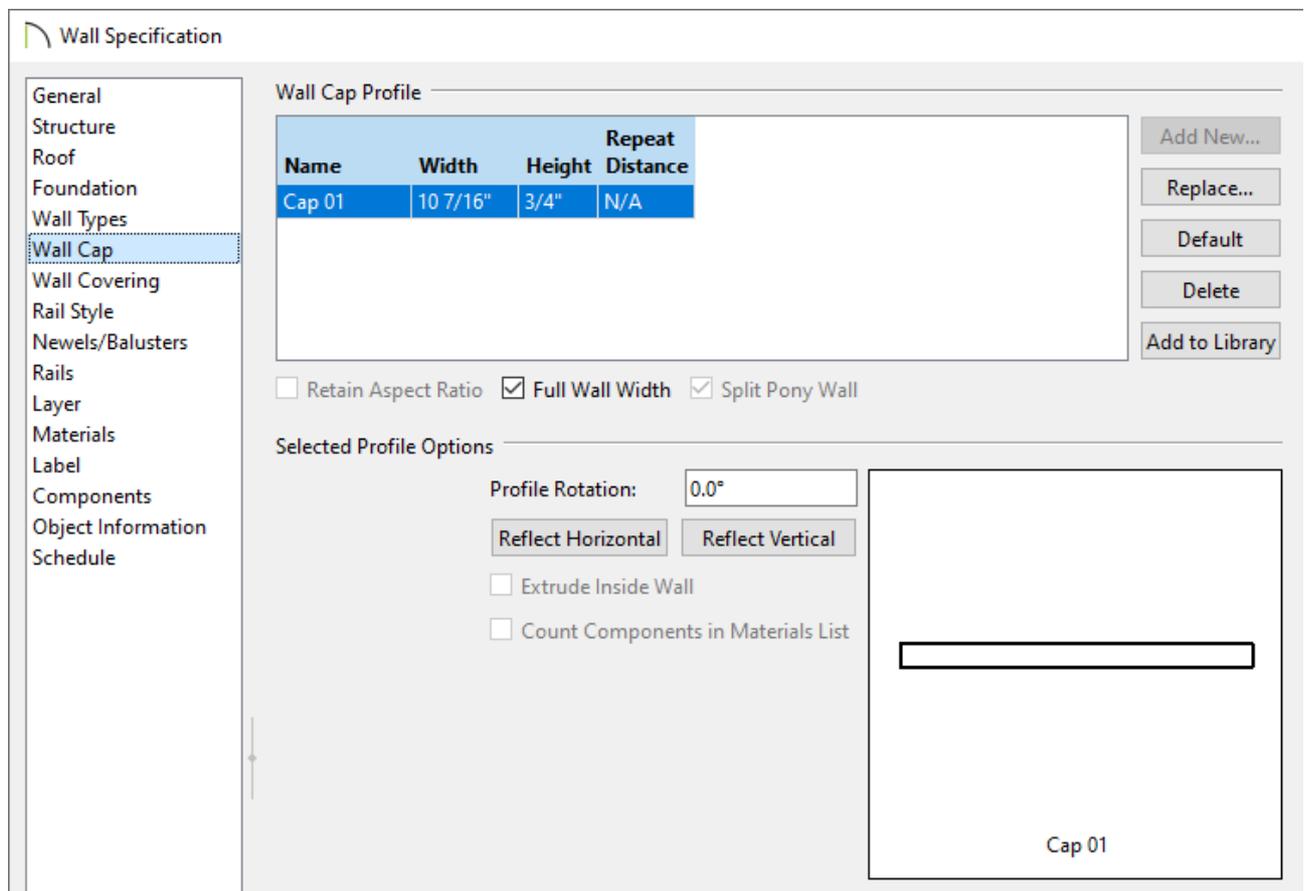
- Uncheck **Roof Over This Room**. The **Flat Ceiling Over This Room** setting will automatically become unchecked as well.
- Select the **Edit** button next to **Floor Finish** and specify the material(s) that will be used for the flat roof.

5. On the **MOLDINGS** panel, adjust the moldings that will generate inside of the defined rooms on Floor 2, then click **OK**.

In this example, no moldings are specified.

6. With **Floor 2** now active , group select the newly created walls, then click the **Open Object**  edit tool.

7. In the **Wall Specification** dialog that displays:

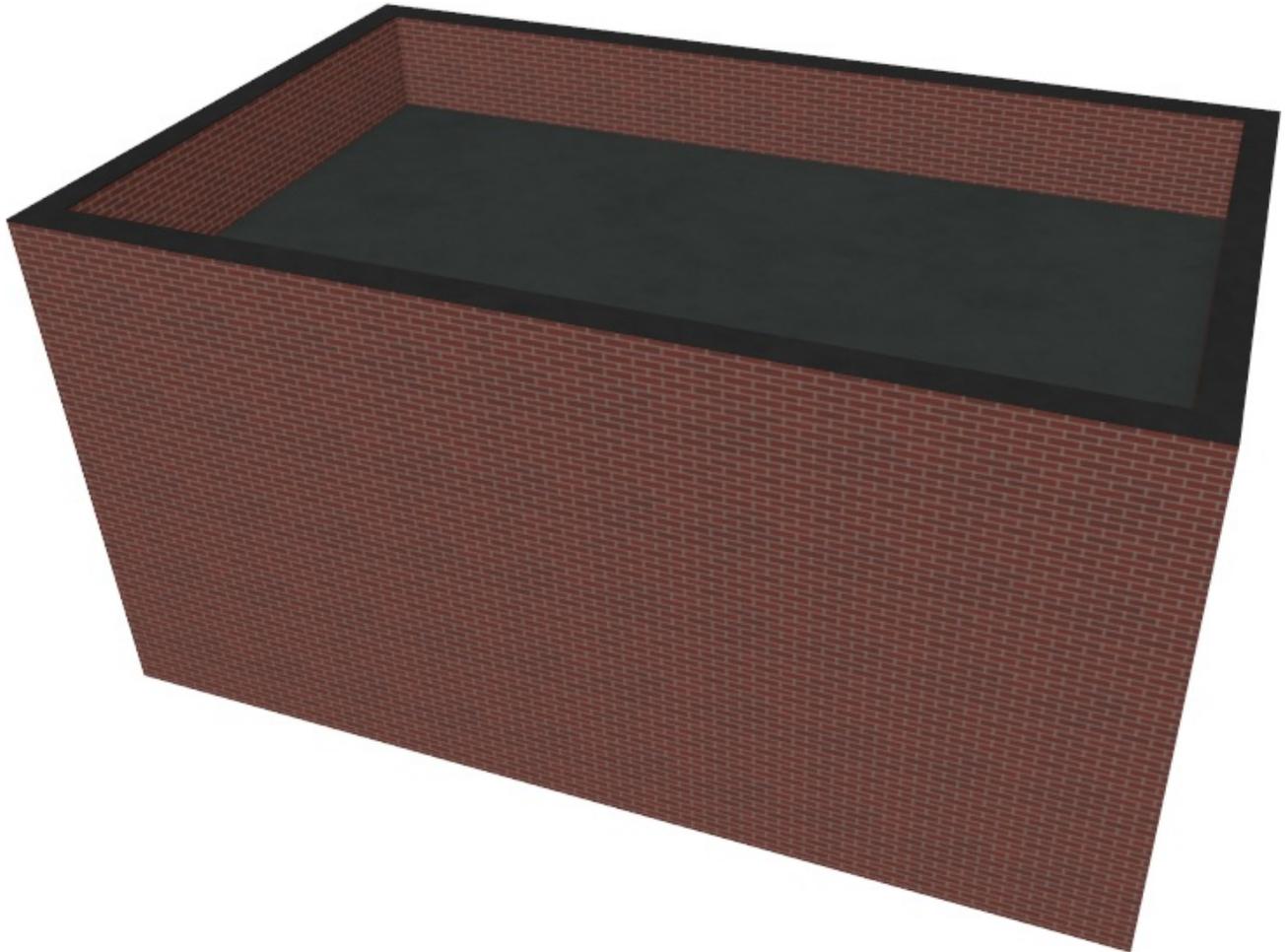


- Click on the **WALL CAP** panel, then click **Add New** to add a molding profile to be used as a cap on each of the walls.

In this example, the Cap 01 profile is specified and the Full Wall Width box is checked. This setting automatically calculates the width based on the thickness of the wall.

- 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

 [Creating an Arched Parapet Wall \(/support/article/KB-01958/creating-an-arched-parapet-wall.html\)](/support/article/KB-01958/creating-an-arched-parapet-wall.html)

 [Group Selecting Objects \(/support/article/KB-00623/group-selecting-objects.html\)](/support/article/KB-00623/group-selecting-objects.html)

 [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)



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