

Creating an Opening in the Stem Wall for a Garage Door

Reference Number: **KB-00343**

Last Modified: **October 31, 2024**

The information in this article applies to:



QUESTION




I have created a first floor room with a garage door. When I add my foundation, the stem wall will not create an opening for the garage door. Instead, the garage door seems to rest on top of the floor structure. How can I change this behavior?



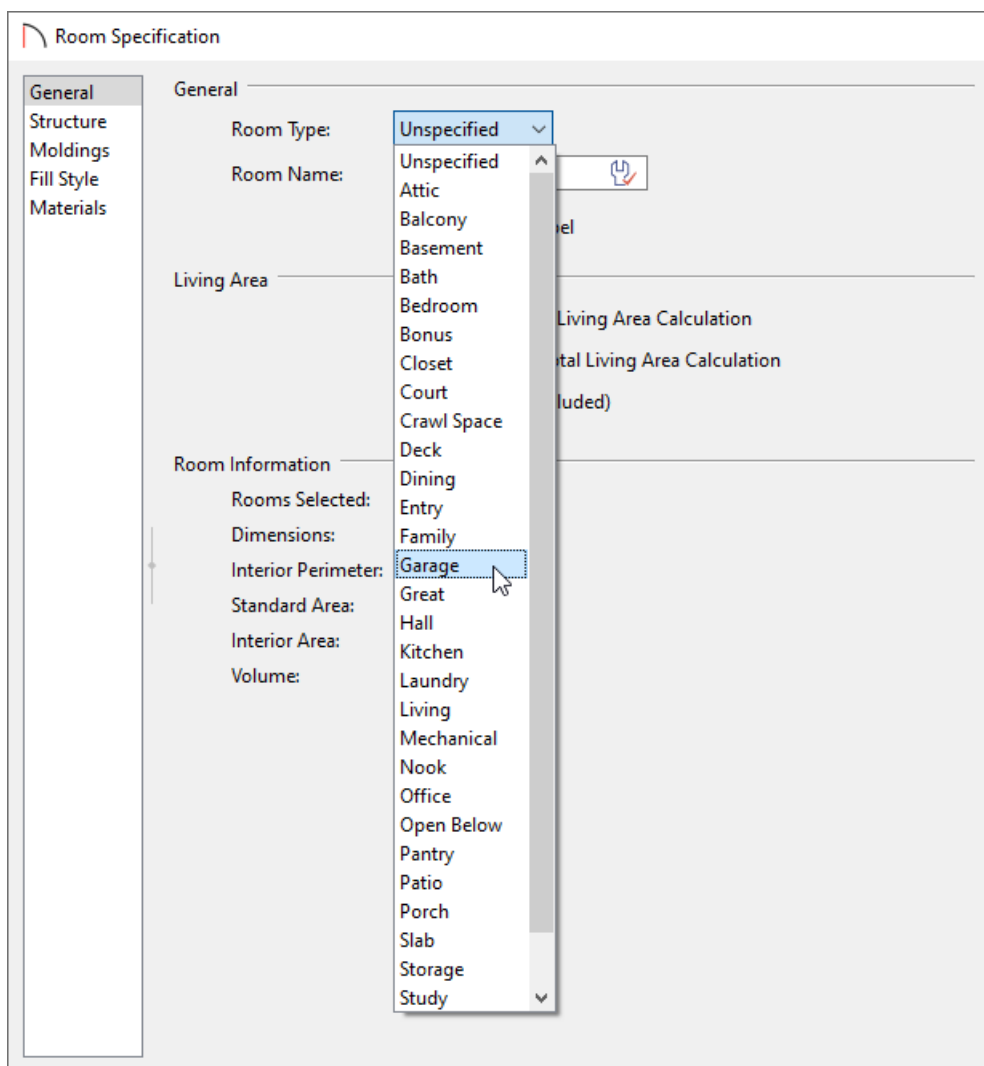
ANSWER

If certain conditions are not met, a foundation's stem walls will not recognize a garage door and will treat it like other doors. To create a foundation in which the stem walls accommodate garage doors, follow the procedure below to define a Garage room.


To create the garage room

1. Select the **Straight Exterior Wall**  tool, and in a clockwise fashion, draw four connected walls.
2. Use the **Select Objects**  tool to click in the newly created room to select it, then click the **Open Object**  edit tool.
3. On the **GENERAL** panel of the **Room Specification** dialog, define the Room Type as a **Garage**, then click **OK**.

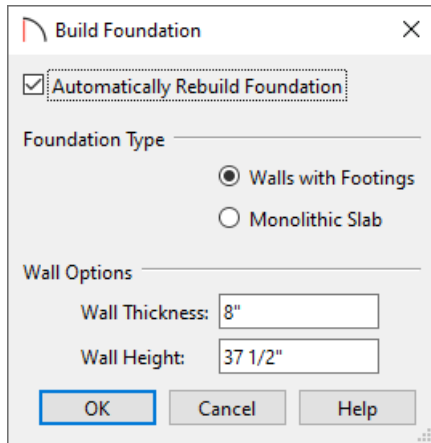
If you skip this step, and do not define the room as a Garage, Home Designer will treat the garage door as it does all other doors, and a cutout in the stem wall will not be created.






To build the foundation

1. Select **Build> Floor> Build Foundation**  from the menu.
2. In the **Build Foundation** dialog, set your desired parameters for your foundation, then click **OK**.

In this example, the default values are used.






To return to the first floor to add the garage door(s)

1. Using the **Up One Floor**  tool, return to Floor 1.
2. When you're on Floor 1, navigate to **Build> Door> Garage Door** , then click on the desired wall to add your garage door(s).
3. To create a 3D camera view and ensure the garage door is at the correct height, select **3D> Create Camera View> Perspective Full Overview** .

In Home Designer Pro, select **3D> Create Perspective View> Perspective Full Overview**  instead.

Related Articles

-  [How the Height of Floors Relate to the Height of the Terrain \(/support/article/KB-00861/how-the-height-of-floors-relate-to-the-height-of-the-terrain.html\)](/support/article/KB-00861/how-the-height-of-floors-relate-to-the-height-of-the-terrain.html)
-  [Modeling a Crawl Space \(/support/article/KB-00905/modeling-a-crawl-space.html\)](/support/article/KB-00905/modeling-a-crawl-space.html)
-  [Modifying Garage Floor and Stem Wall Heights \(/support/article/KB-01845/modifying-garage-floor-and-stem-wall-heights.html\)](/support/article/KB-01845/modifying-garage-floor-and-stem-wall-heights.html)