

# Creating a Stair Rake Wall

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The information in this article applies to:



## QUESTION



I'd like to create a solid wall that follows the slope or angle of the stairs, but also has a railing on top of it. Is this possible?

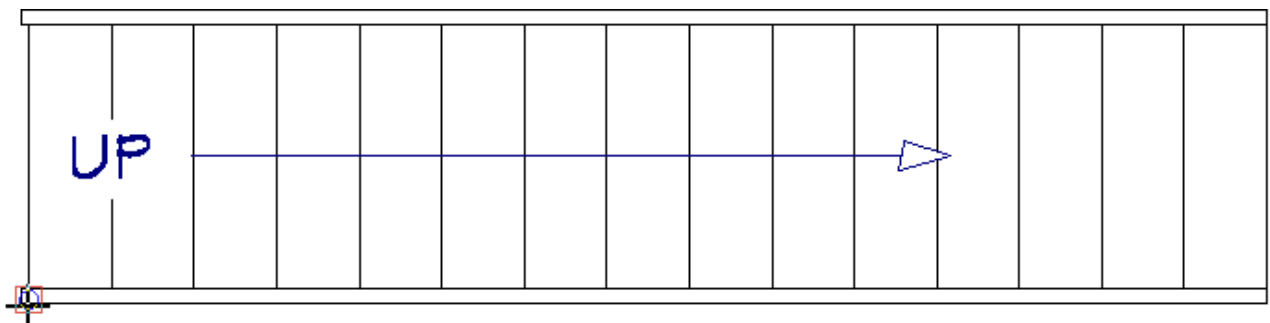


## ANSWER



In Chief Architect X11, Home Designer Pro 2020, and newer program versions, stair rake walls can be created using a railing that is set to be a pony wall, and then enabling the Follow Stairs setting.

To create a stair rake wall

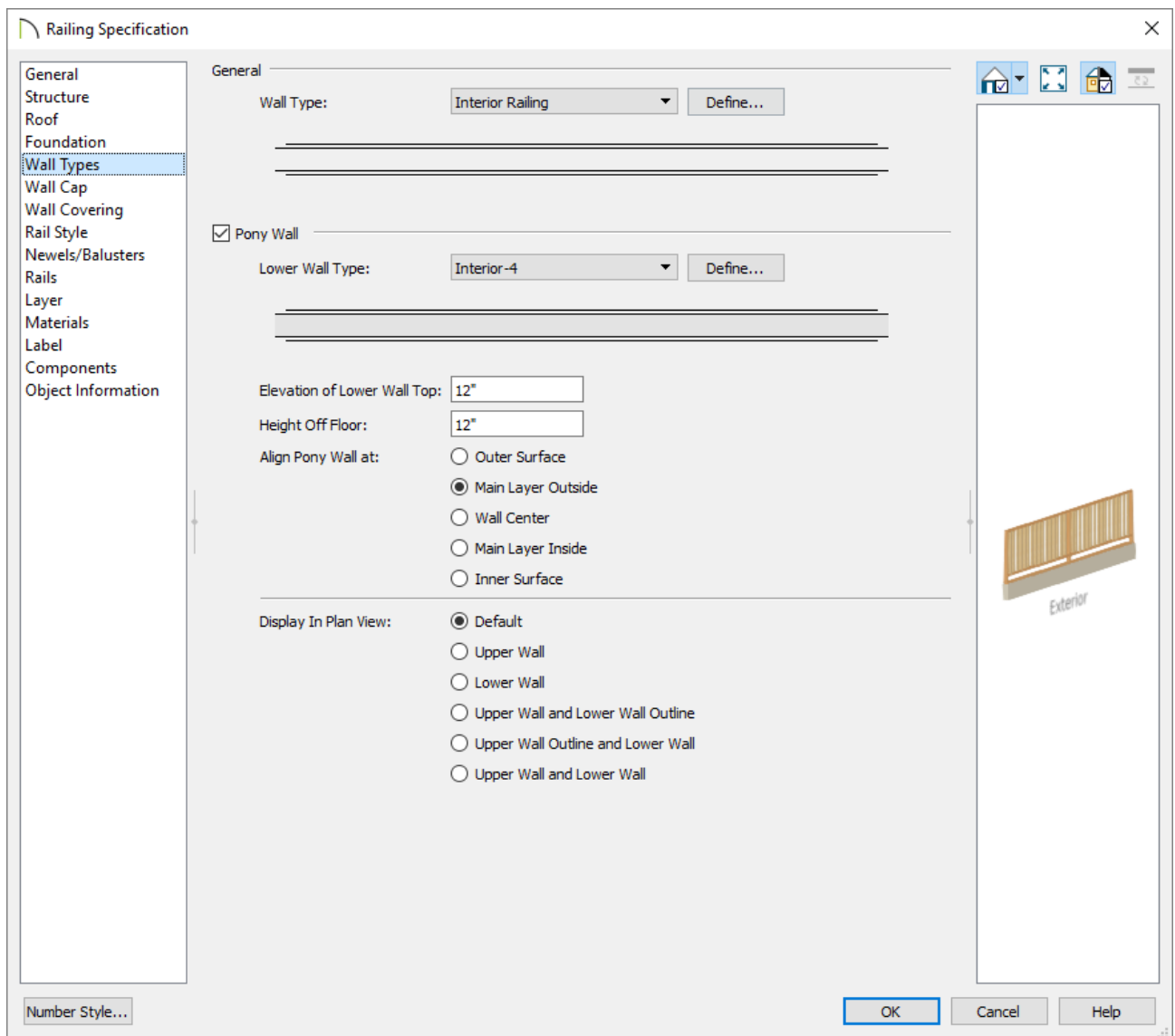
1. **Open**  the plan containing the stair section you'd like to create a rake wall in.
2. Navigate to **Build> Railing and Deck> Straight Railing**  and create a railing beside your stairs.



It's important that you don't create or move the railing beneath the stairs. If you're having trouble precisely placing the railing beside the stair section, navigate to Edit> Snap Settings and ensure that your Object Snaps are enabled.

3. Using the **Select Objects**  tool, select the railing and click on the **Open Object**  edit button.

4. On the **WALL TYPES** panel of the **Railing Specification** dialog that opens:



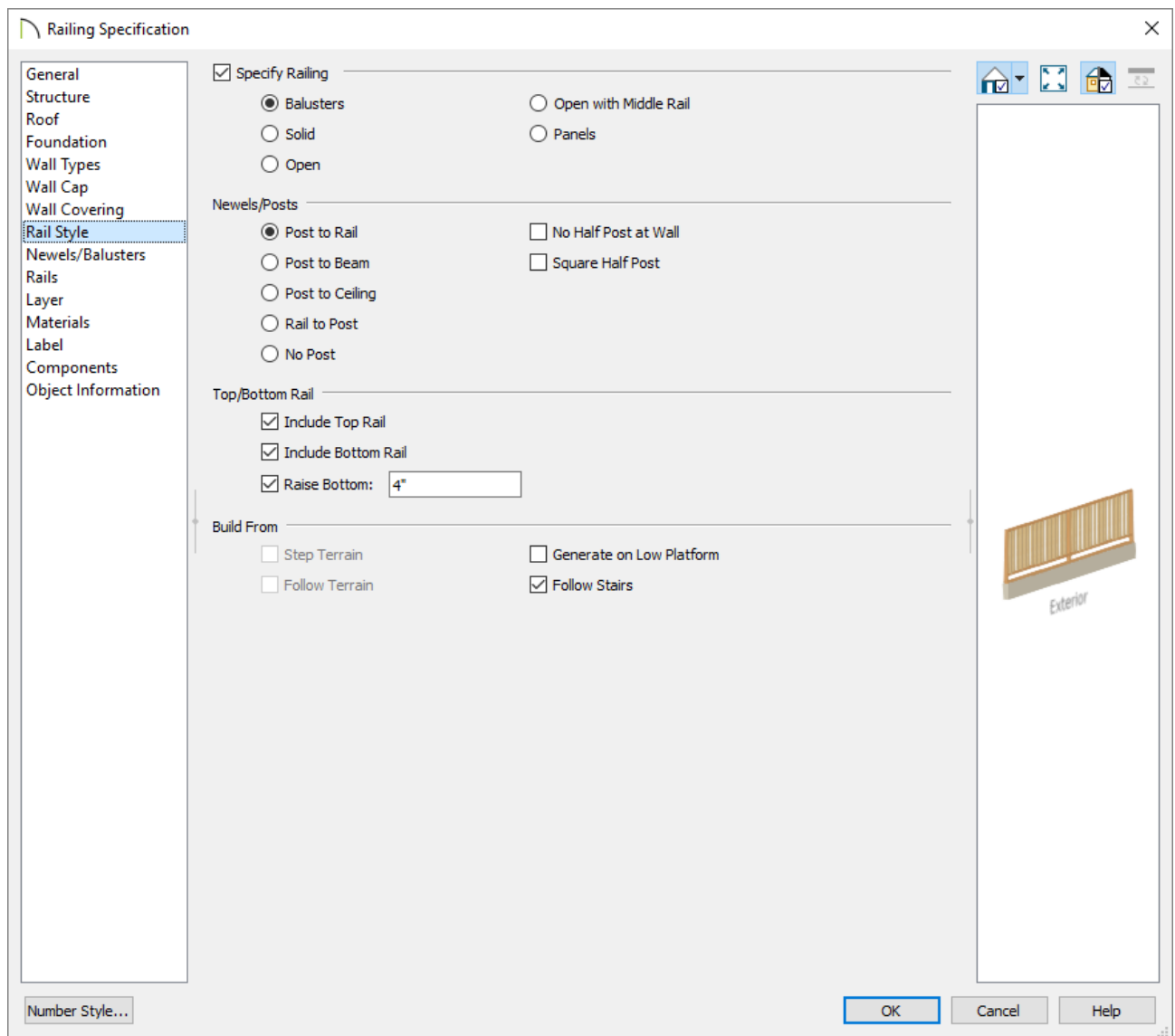
- Check the **Pony Wall** box.
- Specify the **Upper** and **Lower Wall Type**.

In this example, the Interior Railing and Interior-4 wall types are used.

- Adjust the **Elevation of Lower Wall Top** or **Height Off Floor** value(s) to your liking. These fields correlate with how high the lower wall will be in relation to the slope of the stair.

In this example, a Height Off Floor value of 12" is used.

## 5. On the RAIL STYLE panel:



- Check the **Specify Railing** box if it's not already checked and choose your desired railing type.

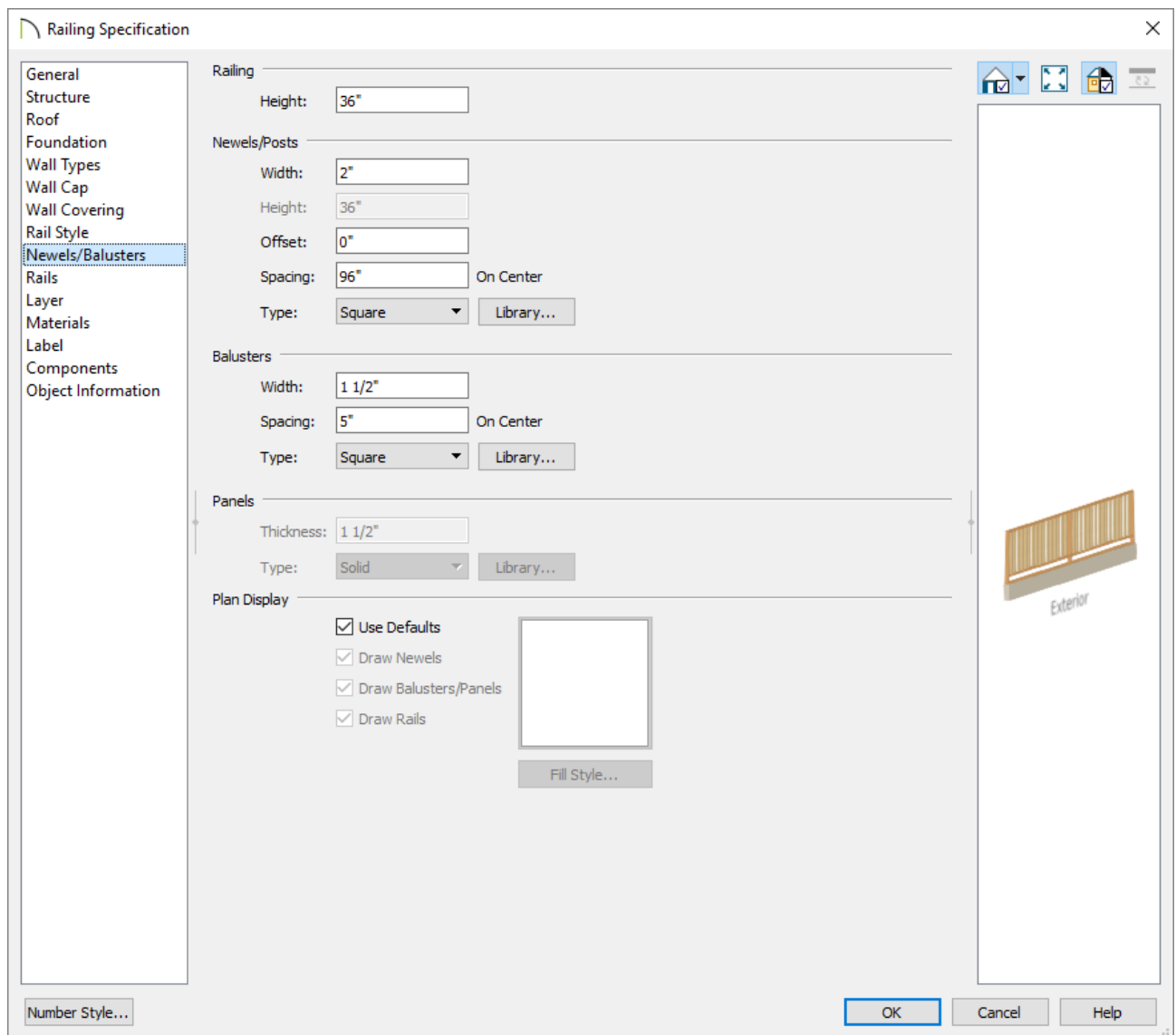
In this example, the Balusters option is selected.

- Check the **Follow Stairs** box to have the railing and the lower framed wall follow

the pitch of the stairs.

- Choose what rails to include, along with any other properties located on this dialog panel.

6. Select the **NEWELS/BALUSTERS** panel to adjust the baluster and newel properties to your liking, along with the railing height.



7. By default, a wall cap will be placed on top of the framed wall portion. This can be adjusted by accessing the **WALL CAP** panel.

8. Make any other desired modifications, such as the materials that are used, then click **OK** to confirm the changes and close the dialog.

Creating a manual railing that follows the slope of the stairs like shown in this example, may override the automatically generated stair railings, depending on the height that is set for the lower framed wall type.

9. Lastly, take a **Camera**  view to see the results.



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