Positioning a Railing Directly Above Another on a Tiered Deck

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The information in this article applies to:



QUESTION

I am creating a deck with different levels on a single floor of my plan and would like to position the deck railing of a lower tier directly below that of a higher tier. How can I do this?

ANSWER

You can align railings directly above/below one another by using the settings available in the Railing Specification dialog.

To create stacked deck railings

1. **Open** the plan in which you would like to vertically align a deck railing.

In this example, a simple plan with two deck rooms is used.

2. If you have not done so already, create two Deck rooms with different floor heights.



- Stacked railings typically look best if the difference between the two deck heights is at least 45", which will accommodate a 36" railing plus 9" for the deck platform and planking.
- Here, the large deck has a floor height of 72" and the smaller deck, a floor height of 18".
- 3. Use the **Break** tool on the intersections to segment the section of railing separating the 2 decks.
- 4. Using the **Select Objects** \geqslant tool, click on the railing separating the two Deck rooms to select it.



- This deck railing can divide the two rooms along its entire length, or only a portion can divide them.
- 5. Click the **Open Object** click the **Deck** edit button, and on the **RAIL STYLE** panel of the **Deck Railing Specification** dialog, check the box beside **Generate on Low Platform** and click **OK**.

General	Specify Railing	
Structure	Balusters	Open with Middle Rail
Roof Foundation	🔿 Solid	O Panels
Wall Types	O Open	
Wall Cap Wall Covering	Newels/Posts	
Rail Style	Post to Rail	No Half Post at Wall
Newels/Balusters	O Post to Beam	Square Half Post
Rails Layer	O Post to Ceiling	
Materials	O Rail to Post	
Label Components	O No Post	
Object Information	Top/Bottom Rail	
Schedule	Include Top Rail	
	Include Bottom Rail	
	Raise Bottom: 4	
	Build From	
	Step Terrain	Generate on Low Platform
	Follow Terrain	Follow Stairs

 Select Build> Railing and Deck> Straight Deck Railing from the menu, then click and drag a short section of deck railing parallel to the railing edited in step 4, above. This new railing section should not attach to any other walls at this time.



- 7. Click on the new railing to select it, then click the **Open Object** redit button.
- 8. On the GENERAL panel of the **Deck Railing Specification** dialog, check the box beside **No Room Definition** and click **OK**.

Structure		Eoundation Wall
Roof	Railing	
Foundation		English Management and a second
Wall Types		Terrain Retaining Wall
Wall Cap		Attic Wall
Wall Covering Rail Style	Thickness:	3 1/2"
Newels/Balusters	Wall Length:	113*
Rails	- 70	
Layer	Wall Angle:	0.0°
Materials	Lock:	● Start ○ Center ○ End
Label	0-1	
Components	Options	
Object Information Schedule		Invisible No Room Moldings
Schedule		No Room Definition Automatically Generated Wall
		No Locate
1	Curved Wall	
1	Radius to:	Outer Surface
		O Main Layer Outside
		O Main Layer Inside
		O Inner Surface
	Radius:	
	Lock:	O Arc Center O Ends
	23	2.00
	Facet Angle:	7.5°

- Select Edit> Snap Settings from the menu and turn off Bumping/Pushing from the menu and turn off from turn off fro
- 10. Click on the railing that was defined as "No Room Definition" and use its edit handles to move it so that it is in the same location as the "Generate on Low Platform" railing.
 - Align the two railing sections' edges as closely as possible.



• Then, lengthen the "No Room Definition" railing so that it is the same length as the railing below it.



11. Finally, create a **Perspective Full Overview** and or **Cross Section/Elevation** wiew to see the results.

