

# Creating Expansion Joints in a Sidewalk

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The information in this article applies to:





## QUESTION

When I draw a sidewalk using the Sidewalk tool, it is created as a continuous slab. I would like to know how to create a sidewalk with expansion joints.

## ANSWER


To model expansion joints in a sidewalk, create a single section of sidewalk, then replicate it with small gaps in between each section.

### To create a sidewalk with expansion joints

1. Select **Terrain> Create Terrain Perimeter**  from the menu to create a terrain perimeter in your plan.
2. Navigate to **Terrain> Sidewalk> Straight Sidewalk**  from the menu, then click-


and-drag to draw the first section of sidewalk.

3. Adjust the size of the first sidewalk section to your specifications. This can be done using one of the following methods:

- With the sidewalk selected, use the **Open Object**  edit button to open the **Terrain Path Specification** dialog. The **Width** and **Thickness** can be adjusted on the **GENERAL** panel, while the **Length** can be adjusted on the **SELECTED LINE** panel.

in this example, our sidewalk section has a Width and Length of 48", and a default Thickness of 1".

- Use the edit handles along with **Temporary**  or **Manual Dimensions** .

4. Once the first sidewalk section is to your desired size, select it, then click the **Multiple Copy**  edit button.

5. Click the **Multiple Copy Interval**  secondary edit button to open the **Multiple Copy** dialog, specify the **Primary Offset** value for **General Objects**, then click **OK**.

In this example, we have specified a value of 48 3/4". This will give us a 3/4" expansion joint between each sidewalk section.

Multiple Copy



Offset Between Copies When Dragging

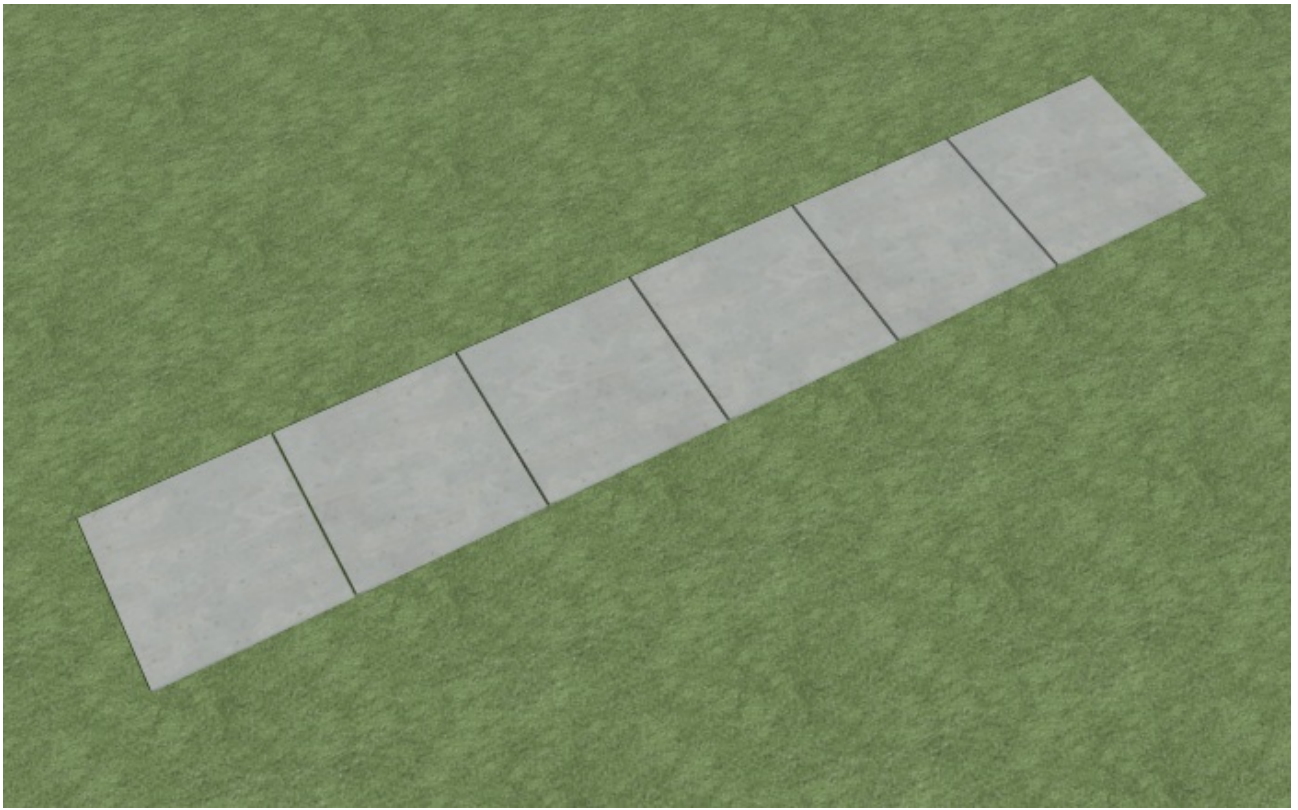
	Primary Offset	Secondary Offset (Alternate Behavior)
General Objects:	48 3/4"	24"
All Trusses:	24"	24"
Rafters:	24"	24"
Joists/Posts/Beams:	16"	16"
Wall Studs:	16"	16"
Rotation Of All Objects:	15.0°	

Evenly Distribute Copies When Dragging

	Primary Number Of Copies	Secondary Copies (Alternate Behavior)
All Objects:	1	1

Number Style... OK Cancel Help

6. Hover over the Move edit handle located on the sidewalk until the **Multiple Copy**  cursor displays, then click-and-drag in your desired direction to make copies.
7. When you have the desired number of copies, simply release the mouse button. You can now create a **Camera**  view to see the results.



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