Fixing Wall Connections

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The information in this article applies to:



QUESTION

My wall connections looked fine, but then I changed something and now they no longer seem to connect at the correct layer. How can I fix this?



ANSWER

If you have recently modified your wall types, you may have accidentally adjusted the Main Layer. The Main Layer

determines many things, including how walls intersect as walls join at the interior surfaces of their Main Layers.

In most circumstances, the Main Layer should be specified as the structural layer of the wall, particularly when the wall is a framed type. For some wall types, such as ICF walls, it is also important that the main structural layer be comprised of multiple materials. If this is changed then it can cause issues with wall intersections.

To ensure that your wall intersections connect correctly, adjust the Main Layer as needed for your particular wall type. For example, a standard wall will have a single structural layer made up of stud framing, or as you will see in this article, an ICF wall will have a structural layer made up of 3 materials.

To restore the Main Layer

- 1. Using the **Select Objects** k tool, select your wall that isn't connecting properly, and use the **Open Object** edit tool to open the **Wall Specification**.
- 2. Select the WALL TYPES panel and click the **Define** button next to the **Wall Type** drop-down.

In Home Designer Architectural, instead remain on the GENERAL panel and click the **Define** button next to the **Wall Type** drop-down.

3. In the **Wall Type Definitions** dialog, use the **Move Up** and **Move Down** buttons to rearrange your wall layers into the appropriate category, and click **OK**.

Recall that typically the Main Layer should be the Framing/Structural layer(s), often the thickest layer in your wall type.

ICF-Siding		~	New		Сору	Rename	Dele	ete Delete All	Unused
Vall Laye	ers								
Layer #	Line Color	Line Style	Material		Pattern	Texture	Fill	Thickness	Insert Above
Exterior	Layers								Insert Below
1			Fiber Sidi	ng				1/2"	Maralla
2			Insulating	g Foa				2 1/2"	
Main La	yers								Move Down
3			Concrete	1			- · · · ·	6"	Delete
Interior I	Layers								Total Thickness
4			Insulating	g Foa				2 1/2"	12"
5			Drywall			No Texture		1/2"	
Materi	al Properties	Layer P	roperties						
🗌 Fran	ming								
	🗌 Use Defa	ult Framing	Material						
	Stud Spacing	: 48"	也	On Cer	nter	Horizontal	Framing		

4. Click **OK** again in the **Wall Specification** dialog, then verify that the wall connections for this wall type now display correctly.



5. Repeat this process for any other wall types in your plan that you may have inadvertently defined incorrectly.

To adjust the general wall defaults*

*Applies to Home Designer Pro.

If you do not want your walls to move when you adjust the Main Layer of your wall types, consider adjusting your General Wall Defaults.

- 1. Select Edit> Default Settings (), expand the Walls category, highlight General Wall, then click Edit.
- 2. In the **General Wall Defaults** dialog, underneath of **Resize About**, move the radio button to **Outer Surface**, then click **OK**.

These options determine what part of a wall retains its position when its wall type or wall type definition is changed. The Resize About location is also where any snap points will be located along a wall as it's drawn or connected to other walls, as well as where a wall's length is measured.

∩ Ge	eneral Wall Defaults
Resize	About
	Q Outer Surface
	Main Layer Outside
	○ Wall <u>C</u> enter
	O Main <u>L</u> ayer Inside
	O Inner Surface
Auton	natic Walls
	Auto Rebuild Attic Walls

3. Click **Done** to close out of the **Default Settings** dialog.

Related Articles

Changing a Walls Fill Color to Black (/support/article/KB-00200/changing-a-walls-fill-color-to-black.html)

Creating Walls with a Block and Tie Beam (CBS) (/support/article/KB-00496/creating-walls-with-a-block-and-tiebeam-cbs.html)

Defining a Wall Type in Home Designer (/support/article/KB-00382/defining-a-wall-type-in-home-designer.html)
Modifying Wall Thickness (/support/article/KB-00363/modifying-wall-thickness.html)

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