Troubleshooting Framing Issues in Home Designer Pro

Reference Number: **KB-00401** Last Modified: **May 9, 2023**

The information in this article applies to:



DESCRIPTION

Some walls, floors, and ceilings are not generating framing. Why is this, and how do I resolve this issue?

RESOLUTION

Floor framing for the first floor will not generate without the presence of a foundation. If a foundation has been generated, floor and ceiling framing may not generate if certain attributes located within the Room Specification dialog are not checked or if the Floor and/or Ceiling Structure is defined incorrectly.

Wall framing will not regenerate if Retain Wall Framing is turned on or if the framing layer of the wall is not specified as framing or is using a non-framing material.

To ensure that floor and ceiling framing generates properly

- 1. **Open** the plan that is not framing correctly.
- 2. If you're unable to create floor framing for your first floor, you likely have not generated a foundation. Navigate to **Build> Floor> Build Foundation I** and generate a foundation for your structure.
- 3. If you're encountering other issues with floor and/or ceiling framing and a foundation has been created, determine the area or room in which your structure is not framing correctly. Using the **Select Objects** tool, click to select the room, then click on the **Open Object** edit tool.

4. On the STRUCTURE panel of the **Room Specification** dialog that displays, ensure that **Roof Over This Room** and **Flat Ceiling Over This Room** are checked, as well as **Floor Under This Room**.

If Flat Ceiling Over This Room is unchecked, the ceiling will follow the pitch of the roof, unless custom ceiling planes have been created.

NRoom Specification	
General Absolute Elevations	
Structure Floor Above:	
Deck Deck Support Ceiling: 109 1/8"	
Moldings Eloor 0"	
Wall Covering	
Hill Style Floor Below: -46 1/8"	
Components Relative Heights	
Rough Ceiling: 109 1/8"	
Finished Ceiling: 107 5/8"	
SWT To Ceiling: 109 1/8"	
Ceiling Below: 33 1/2"	
Stem Wall: 37 1/2"	
SWT = Stem Wall Top	
Ceiling	
Roof Over This Room	
☐ Flat Ceiling Over This Room	
Use Soffit Surface for Ceiling	
Ceiling Structure: 51/2"	
Ceiling Finish: 5/8" Edit 🗹 Default	
Floor	
Floor Under This Room	
Floor Supplied by the Foundation Room Below	
Monolithic Slab Foundation	
Build Foundation Below	
Floor Finish: 7/8" 🗹 Default	
On Structure Resize: Lock Floor Top O Lock Floor Bottom	

5. Next, verify that the Floor Structure and Ceiling Structure are defined correctly by selecting the **Edit** button.

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General	Absol	ute Elevations	
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		SWT To Ceiling:	109 1/8" 🖞
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		Stem Wall:	37 1/2"
		SWT = Stem Wall 1	Top
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			Shelf Ceiling
			Use Soffit Surface for Ceiling
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		Ceiling Finish:	5/8" Edit 🗹 Default
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	11001		Second Linder This Poom
			Floor Supplied by the Foundation Room Below
			Monolithic Slab Foundation
			✓ Build Foundation Below
		Floor Finish:	7/8" 🗹 Default
		On Structure Resiz	e: 🖲 Lock Floor Top 🔿 Lock Floor Bottom
		Floor Structure:	12 5/8" Edit 📐 🗹 Default

6. In the **Floor/Ceiling Structure Definitions** dialog(s), ensure that a framing layer is present with the **Framing** box checked, and that the correct **Thickness** is set.

In Home Designer Pro 2021 and prior versions, make sure that the layer that will act as the floor or ceiling framing is using a framing material, such as Fir Framing, and the appropriate Structure Type is selected.

☐ Floor	Structure Definition	n				×
Material La	ayers					A- 🔀 🔒 🖪
Layer #	Material	Pattern	Texture	Thickness		
1	OSB-Hrz			3/4"	Total Thickness:	
2	Fir Framing 1			11 7/8"	12 5/8"	
Structure						
	Type:	I-Joist	~			
Number 5	Style				ОК	Cancel Help

Note: If floor and ceiling framing is not generating correctly for specific room types, an entire floor, or for the entire plan, it's possible that the Floor and Ceiling Structure were set incorrectly within the Default Settings. Navigate to Edit> Default Settings and expand the Floors and Rooms category to adjust the Floor and Ceiling Structure for the appropriate room type, floor level, or entire plan.

Changes made to the Floor and Ceiling Structure defaults are dynamic and will apply to the plan automatically as long as the "Default" box is checked in the Room Specification dialog for the Floor/Ceiling Structure setting(s).

 Click OK to confirm the changes, then navigate to Build> Framing> Build Framing to rebuild your floor and ceiling framing.

For more information on generating framing in Home Designer Pro, please see the appropriate resource in the <u>Related Articles</u> section below.

To ensure wall framing generates properly

- 1. Using the **Select Objects** tool, select the wall that is not generating framing properly, then click the **Open Object** dit tool.
- 2. On the STRUCTURE panel of the **Wall Specification** dialog that opens, verify that **Retain Wall Framing** is not checked.

If this box is checked, the program will not update the framing for this particular wall when framing is rebuilt.

Wall Specification		
Wall Specification General Structure Roof Foundation Wall Types Wall Covering Rail Style Newels/Balusters Rails Materials Label Components Object Information	Default Wall Heights Default Wall Top Height Default Wall Top Height Default Wall Bottom Height Platform Intersections Invisible Walls and Railings: Generate B Ceiling Platform: Automatic Stop at Ceiling Above Balloon Through Ceiling Above Balloon Through Ceiling Above Hang Floor Platform Above on W Balloon Through Ceiling Above Hang Floor Platform Above on W Ballooring to Wall Interior Include Ledger Wall Intersections Through Wall At End Through Wall At Rim Joist Automatic Double Single	etween Platforms Floor Platform: Automatic Stop at Floor Below Balloon Through Floor Below At Start
	Framing Retain Wall Framing Stagger Multiple Framing Layers Use Framing Reference Reverse Stud Rollout Direction Stud Rollout Offset: 0"	ert Floor Framing Below

3. Switch to the WALL Types panel and click the ${\bf Define}$ button next to the Wall Type drop-down menu.

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tructure	Wall Type:	Siding-6 V Define
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	Elevation of Lower Wall Top:	: 48"
	Height Off Floor:	48"
4	Align Pony Wall at:	O Outer Surface
		Main Layer Outside
		🔿 Wall Center
		🔘 Main Layer Inside
		Main Layer Inside Inner Surface
	Display In Plan View:	Main Layer Inside Inner Surface Default
	Display In Plan View:	Main Layer Inside Inner Surface Default Upper Wall
	Display In Plan View:	 Main Layer Inside Inner Surface Default Upper Wall Lower Wall
	Display In Plan View:	 Main Layer Inside Inner Surface Default Upper Wall Lower Wall Upper Wall and Lower Wall Outline
	Display In Plan View:	 Main Layer Inside Inner Surface Default Upper Wall Lower Wall Upper Wall and Lower Wall Outline Upper Wall Outline and Lower Wall

4. In the **Wall Type Definition** dialog that displays, select the framing layer of the wall and verify that the layer has the **Framing** box checked on the Material Properties tab or within the Material Layer section.

In Home Designer Pro 2021 and prior versions, make sure that the material being used for this layer is a framing material, such as Fir Stud 24" OC.

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II Layers								7
yer # Lin	e Color Line Sty	le Weight	Material	Pattern	Texture	Fill	Thickness	Insert Abov
terior Laye	ers						1	Insert Belov
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2		- 1	Housewrap		- Tild for		0"	Move Dow
3		- 1	OSB-Hrz				7/16"	WIOVE DOW
ain Layers							-	Delete
4		- 35	Fir Framing 2				5 1/2"	Total Thicknes
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5		- 35	Drywall		No Texture		1/2"	
6		- 1					•	
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5. Click **OK** on both dialogs to confirm the changes, then navigate to **Build> Framing> Build Framing** to rebuild your wall framing.

## ADVANCED TROUBLESHOOTING

If framing still fails to build after following all of the steps above, then please contact Chief Architect Technical Support using the Technical Support Center.

1. If the issue only seems to occur in one particular file, use the **Backup Entire Plan/Layout**  $d_1$  tool to create a folder with a copy of the problem file, along with all referenced files.

See Knowledge Base article: <u>Using the Backup Entire Plan/Layout Tool</u> (<u>https://www.homedesignersoftware.com/support/article/KB-00987/using-the-backup-entire-plan-layout-tool-to-send-files-to-another-user.html</u>).

2. Sign in to the <u>Technical Support Center (https://support.chiefarchitect.com/)</u> and create a new support case to send to Technical Support.

See Knowledge Base article: <u>Using the Technical Support Center</u> (https://www.homedesignersoftware.com/support/article/KB-00717/using-the-technical-support-center.html).

3. Give the case a short but descriptive title.

In the text of the case, type a detailed description of the problem. The more detailed you are, the more likely we will be to reproduce the issue and identify the problem.

Click the **Browse** button and attach the **BACKUP** to your case, then **Submit** it.

Related Articles

Deleting Framing in Home Designer Pro (/support/article/KB-00197/deleting-framing-in-home-designerpro.html)

Generating Framing in Home Designer Pro (/support/article/KB-00462/generating-framing-in-home-designerpro.html)

**Manually Drawing Framing Members (/support/article/KB-00727/manually-drawing-framing-members.html)** 

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