

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**  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.

- 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.

The screenshot shows the 'Room Specification' dialog box with the 'Structure' panel selected. The 'Ceiling' section has 'Roof Over This Room' and 'Flat Ceiling Over This Room' checked. The 'Floor' section has 'Floor Under This Room' checked. The 'Absolute Elevations' section shows 'Ceiling' at 109 1/8", 'Floor' at 0", and 'Floor Below' at -46 1/8". The 'Relative Heights' section shows 'Rough Ceiling' at 109 1/8", 'Finished Ceiling' at 107 5/8", 'SWT To Ceiling' at 109 1/8", 'Ceiling Below' at 33 1/2", and 'Stem Wall' at 37 1/2". The 'Ceiling Structure' is 5 1/2" and 'Ceiling Finish' is 5/8". The 'Floor Finish' is 7/8" and 'Floor Structure' is 12 5/8".

Room Specification

General
Structure
Deck
Deck Support
Moldings
Wall Covering
Fill Style
Materials
Components

Absolute Elevations

Floor Above:

Ceiling:

Floor:

Floor Below:

Relative Heights

Rough Ceiling:

Finished Ceiling:

SWT To Ceiling:

Ceiling Below:

Stem Wall:

SWT = Stem Wall Top

Ceiling

Roof Over This Room

Flat Ceiling Over This Room

Shelf Ceiling

Use Soffit Surface for Ceiling

Ceiling Structure: Default

Ceiling Finish: Default

Floor

Floor Under This Room

Floor Supplied by the Foundation Room Below

Monolithic Slab Foundation

Build Foundation Below

Floor Finish: Default

On Structure Resize: Lock Floor Top Lock Floor Bottom

Floor Structure: Default

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

Room Specification

General
Structure
 Deck
 Deck Support
 Moldings
 Wall Covering
 Fill Style
 Materials
 Components

Absolute Elevations

Floor Above:

Ceiling:

Floor:

Floor Below:

Relative Heights

Rough Ceiling:

Finished Ceiling:

SWT To Ceiling:

Ceiling Below:

Stem Wall:

SWT = Stem Wall Top

Ceiling

Roof Over This Room
 Flat Ceiling Over This Room
 Shelf Ceiling
 Use Soffit Surface for Ceiling

Ceiling Structure: Default

Ceiling Finish: Default

Floor

Floor Under This Room
 Floor Supplied by the Foundation Room Below
 Monolithic Slab Foundation
 Build Foundation Below

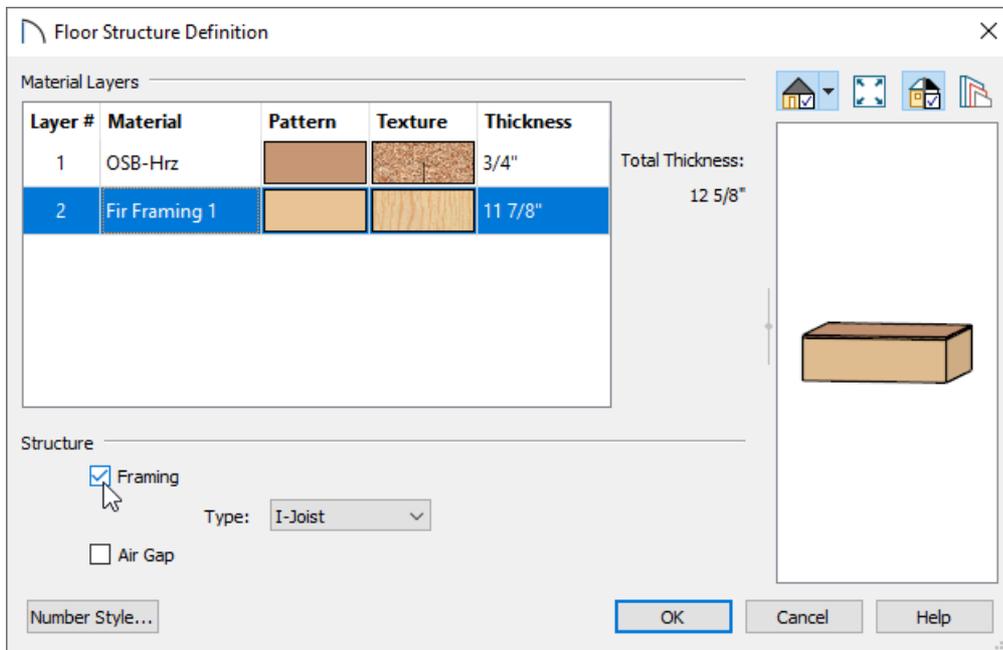
Floor Finish: Default

On Structure Resize: Lock Floor Top Lock Floor Bottom

Floor Structure: Default

- 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.



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).

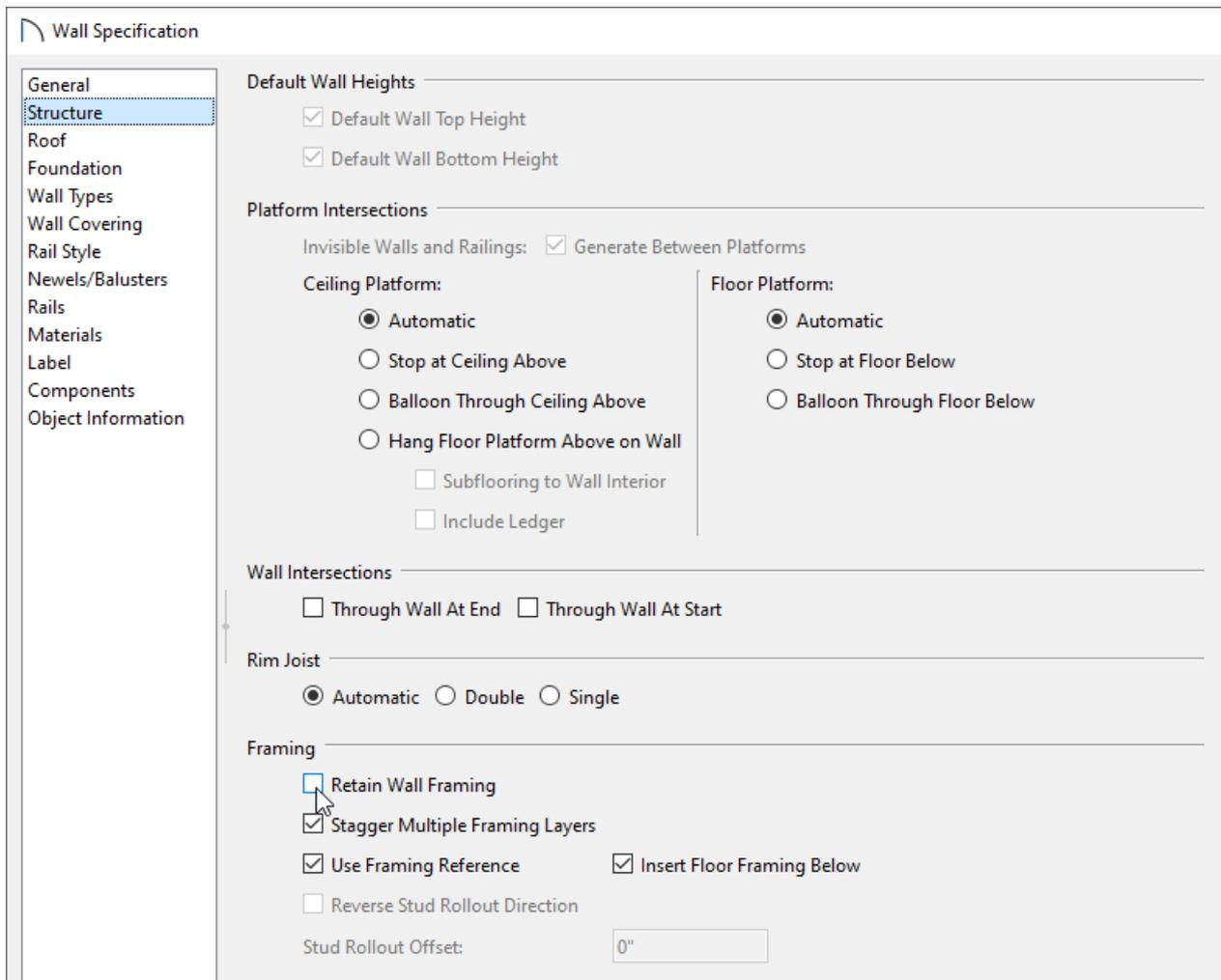
- Click **OK** to confirm the changes, then navigate to **Build> Framing> Build Framing** to rebuild your floor and ceiling framing.

For more information on generating framing in Home Designer Pro, please see the appropriate resource in the [Related Articles](#) section below.

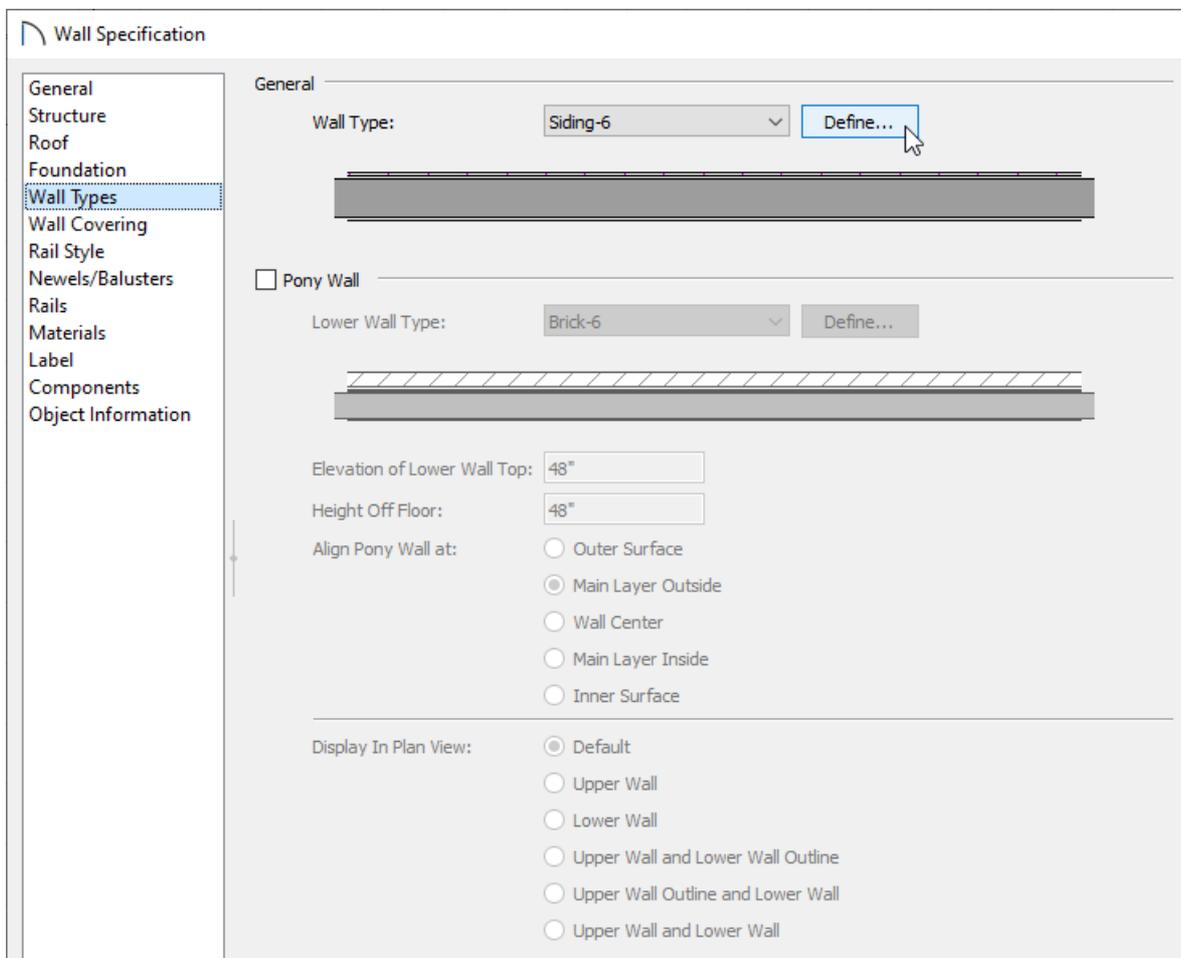
To ensure wall framing generates properly

- Using the **Select Objects** tool, select the wall that is not generating framing properly, then click the **Open Object** edit tool.
- 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.



3. Switch to the **WALL TYPES** panel and click the **Define** button next to the Wall Type drop-down menu.



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.

Wall Type Definitions

Siding-6 [New] [Copy] [Rename] [Delete] [Delete All Unused]

Wall Layers

Layer #	Line Color	Line Style	Weight	Material	Pattern	Texture	Fill	Thickness
Exterior Layers								
1		————	1	Lap Siding				1/2"
2		————	1	Housewrap				0"
3		————	1	OSB-Hrz				7/16"
Main Layers								
4		————	35	Fir Framing 2				5 1/2"
Interior Layers								
5		————	35	Drywall		No Texture		1/2"
6		————	1					

Insert Above
Insert Below
Move Up
Move Down
Delete

Total Thickness:
6 15/16"

Material Properties | Layer Properties | Wall Properties

Framing

Use Default Framing Material

Type: Lumber

Horizontal Framing

Stud Spacing: 24" On Center Bottom Run Elevation: 0"

Stud Width: 1 1/2" Max Girt Length: 144"

Top Plate Count: 2

Top Plate Width: 1 1/2"

Bottom Plate Count: 1

Bottom Plate Width: 1 1/2"

Max Plate Length: 144"

Air Gap

- 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.

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

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

(<https://www.homedesignersoftware.com/support/article/KB-00987/using-the-backup-entire-plan-layout-tool-to-send-files-to-another-user.html>).

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

See Knowledge Base article: [Using the Technical Support Center](#)

(<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 \(/support/article/KB-00197/deleting-framing-in-home-designer-pro.html\)](/support/article/KB-00197/deleting-framing-in-home-designer-pro.html)

 [Generating Framing in Home Designer Pro \(/support/article/KB-00462/generating-framing-in-home-designer-pro.html\)](/support/article/KB-00462/generating-framing-in-home-designer-pro.html)

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