

Troubleshooting Wall Framing Issues

Reference Number: **KB-00335**

Last Modified: **April 14, 2023**

The information in this article applies to:




QUESTION

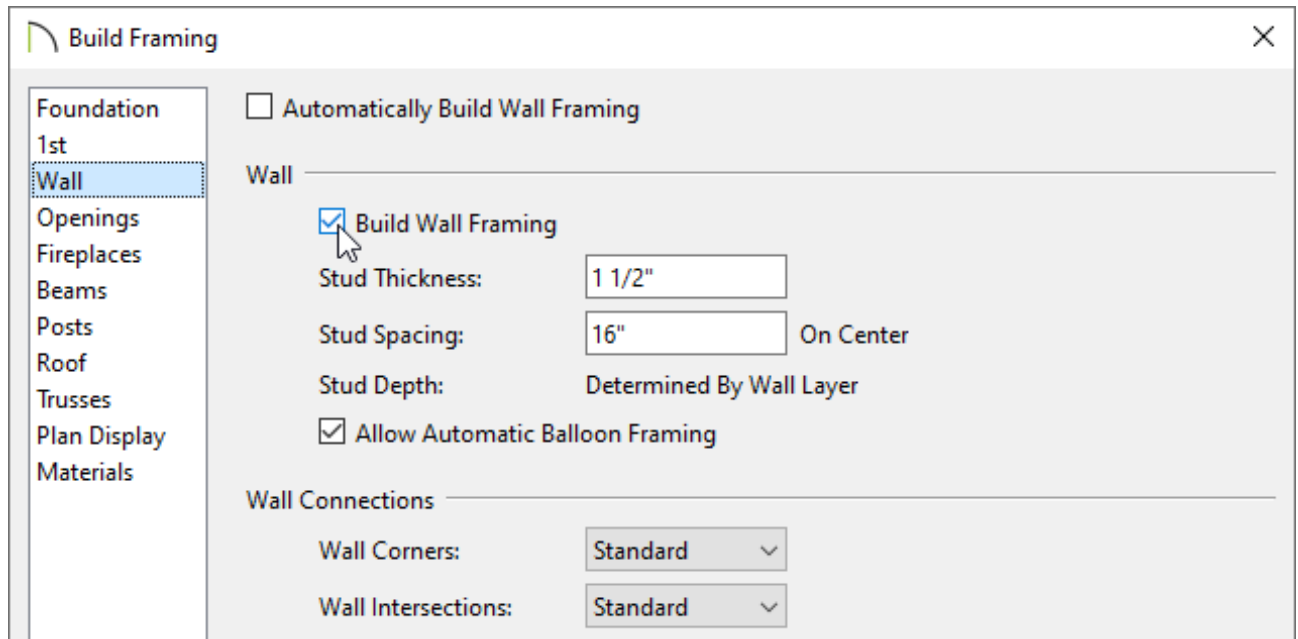
Wall framing isn't generating correctly in my plan. What might be the cause?

ANSWER

A number of factors will cause a wall not to produce wall framing. Below are some of the most common causes, and how to correct them so that framing will generate in all of the walls of your plan.

To build wall framing

1. From the menu, select **Build> Framing> Build Framing** .
2. Once the **Build Framing** dialog displays, select the **WALL** panel and place a check in the box that says **Build Wall Framing**.



3. Select the **Automatically Build Wall Framing** checkbox to regenerate wall framing whenever changes are made to the model.



Note: It is necessary to turn this feature off later on if you want to make manual adjustments to the wall framing.

4. Once you press the **OK** button, wall framing should generate throughout your plan.

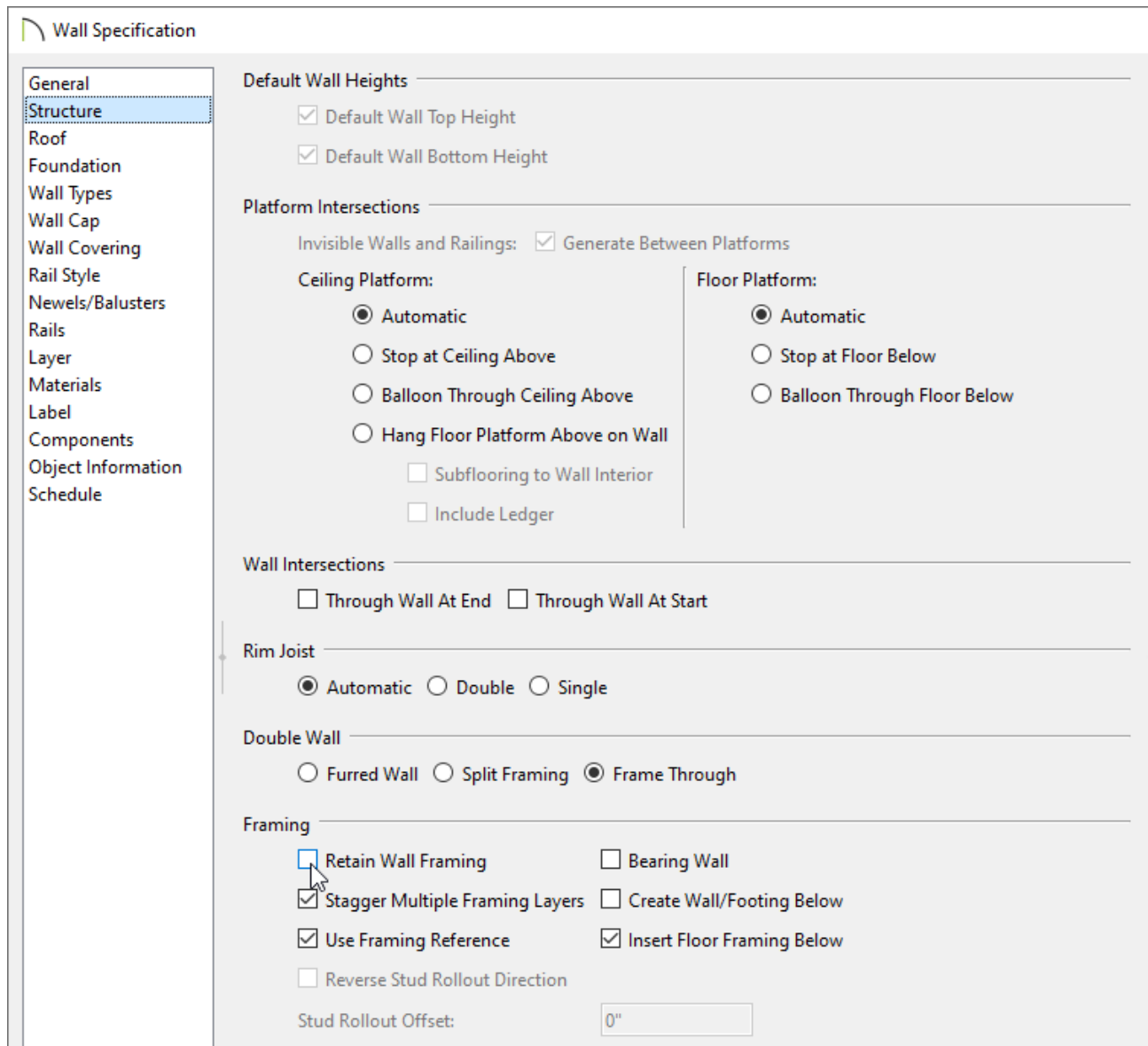
If it does not, or if wall framing will not generate for one or more walls in the plan, use the following steps to troubleshoot these additional problem walls.

To check for Retain Wall Framing

If the option for Retain Wall framing is enabled, framing will not generate.

1. Use the **Select Objects**  tool to select a wall that is not framing correctly, then click on the **Open Object**  edit tool.

2. On the **STRUCTURE** panel of the **Wall Specification** dialog, if there is a check next to **Retain Wall Framing** at the bottom of the panel, remove it, then click **OK**.



3. Finally, if you did not select **Automatically Build Wall Framing** earlier, then you will need to go back into the **Build Framing** dialog and rebuild the wall framing to see this change take effect.

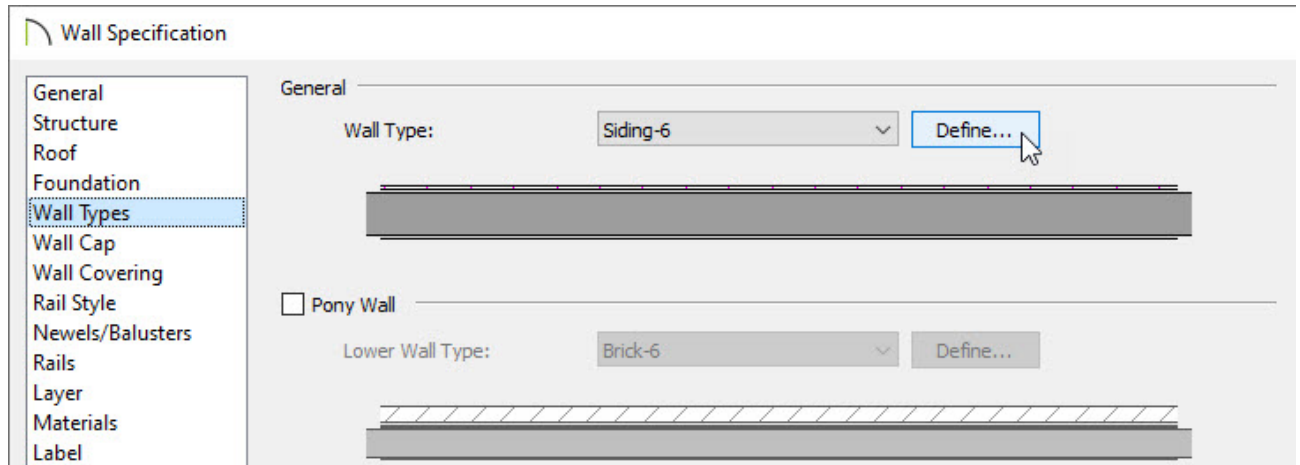
If framing still will not generate, or if Retain Wall Framing wasn't selected in the earlier steps above, it may be that the Main Layer for this wall type is set incorrectly

To verify the Main Layer and its material

1. Use the **Select Objects**  tool to select the wall in question, then click on the

Open Object  edit tool.

2. Select the **WALL TYPES** panel in the **Wall Specification** dialog that displays, then click the **Define** button next to the Wall Type drop-down.



3. In the **Wall Type Definitions** dialog, which appears next:

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	Extension
Exterior Layers									
1			1	Lap Siding				1/2"	0"
2			1	Housewrap				0"	0"
3			1	OSB-Hrz				7/16"	0"
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

Stud Spacing: 24" On Center

Stud Width: 1 1/2"

Top Plate Count: 2

Top Plate Width: 1 1/2"

Bottom Plate Count: 1

Bottom Plate Width: 1 1/2"

☐ Max Plate Length: 144"

☐ Horizontal Framing

Bottom Run Elevation: 0"

☐ Max Girt Length: 144"

☒ Auto Detail as Insulation

☐ Air Gap

- Make sure that the Main Layer, which should typically have a framing material applied, has the **Framing** box checked within the Material Properties tab or Material Layer section.


In X12 and prior versions, this area was not available. Instead, verify that the Main Layer has a framing material applied, such as Fir Stud 24" OC.

- If the framing layer is not in the Main Layers section, click on the framing layer to select it, then use the **Move Up** or **Move Down** buttons to place it into the appropriate section.
- If multiple layers are designated as Main Layers, one of these layers must have the **Framing** box checked, or have a framing material applied.
- In X14 and newer versions, make sure the other framing options, such as **Stud Spacing** and **Stud Width**, are setup properly for your framing layer(s).

4. Once you have completed this procedure, click **OK**, then rebuild the wall framing in your plan.

ADVANCED TROUBLESHOOTING

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

2. 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.chiefarchitect.com/support/article/KB-00717/using-the-technical-support-center.html)
(<https://www.chiefarchitect.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 Objects From a Plan or Layout](https://support.chiefarchitect.com/support/article/KB-00196/deleting-objects-from-a-plan-or-layout.html) (<https://support.chiefarchitect.com/support/article/KB-00196/deleting-objects-from-a-plan-or-layout.html>)

- 📄 [Displaying Framing in a Cross Section/Elevation View \(/support/article/KB-00017/displaying-framing-in-a-cross-section-elevation-view.html\)](/support/article/KB-00017/displaying-framing-in-a-cross-section-elevation-view.html)
- 📄 [General Framing Guidelines \(/support/article/KB-00465/general-framing-guidelines.html\)](/support/article/KB-00465/general-framing-guidelines.html)
- 📄 [Manually Editing Wall Framing \(/support/article/KB-00571/manually-editing-wall-framing.html\)](/support/article/KB-00571/manually-editing-wall-framing.html)
- 📄 [Specifying the On-Center \(OC\) Spacing for Wall Framing \(/support/article/KB-00907/specifying-the-on-center-oc-spacing-for-wall-framing.html\)](/support/article/KB-00907/specifying-the-on-center-oc-spacing-for-wall-framing.html)



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