

# Generating Framing in Home Designer Pro

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The information in this article applies to:



## QUESTION

What is the best way to approach framing in Home Designer Pro?



Chief Architect®

## ANSWER


There are some common practices that can be employed when building framing in Home Designer Pro, specifically:

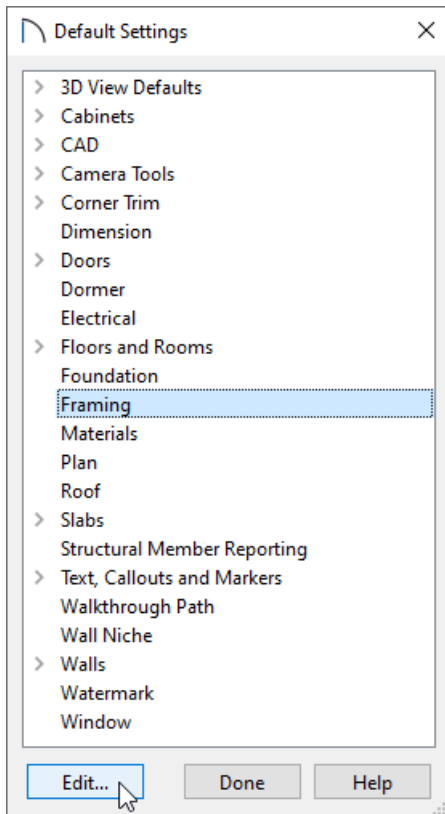
- [Setting framing defaults](#)
- [Generating automatic framing](#)

- [Manually building and editing framing](#)
- [Preparing an existing plan for new framing](#)

Before you begin drawing your plan or generating framing, it is recommended you set up your framing defaults to reflect the way you want the structure to be built. Changing these values after the structure is complete may require you to re-do work and lower your productivity

## To set framing defaults

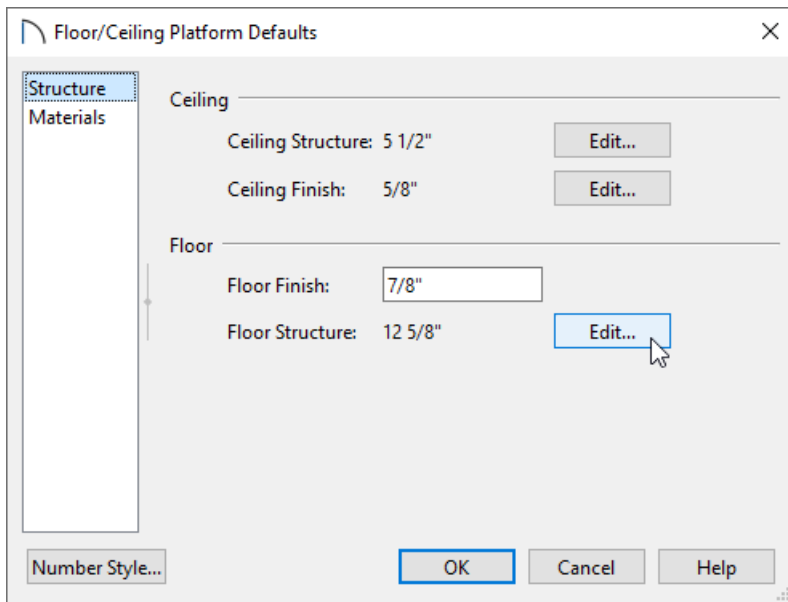
1. Select **Edit> Default Settings**  from the menu, select the **Framing** category, then click **Edit**.



2. In the **Framing Defaults** dialog, visit each panel and specify the spacing, framing member size, framing member type, and other information to your liking, then click **OK**.

**Note:** While all framing default settings are important to your structure, the floor framing will be the most time-consuming to change after your plan is complete.

3. Remaining in the Default Settings, expand the **Floors and Rooms** category, select the **Floor/Ceiling Platform** option, then click **Edit**. In the Floor/Ceiling Platform Defaults dialog, make any desired changes to the Floor/Ceiling Structure, as necessary, then click **OK**.



4. **Edit** the **Roof** defaults to your liking, particularly the options located on the **STRUCTURE** panel, then click **OK**.
5. If you need to adjust the framing wall layers located within your Wall Types, expand the **Walls** category, select a Wall tool, click **Edit**, then select the **Define** button located on the **WALL TYPES** panel. This will open the **Wall Type Definitions** dialog. After making any desired changes, click **OK**.

For more information on modifying wall types, please see the appropriate resource located in the [Related Articles](#) section below.

6. Expand the **Doors** default category, **Edit** each of the Door tools, and access the **FRAMING** panel to modify the associated properties. Perform the same procedure for the **Window** defaults.
7. Once all desired changes have been made to the defaults, click **Done**.

You can build framing at any time, however, any structural changes made will not update the framing unless automatic framing is enabled or the framing is rebuilt. Additionally, any customized framing will need to be re-drawn each time the framing is rebuilt. As such, it may be best to wait until you are confident that your plan is in its final state before framing is generated.

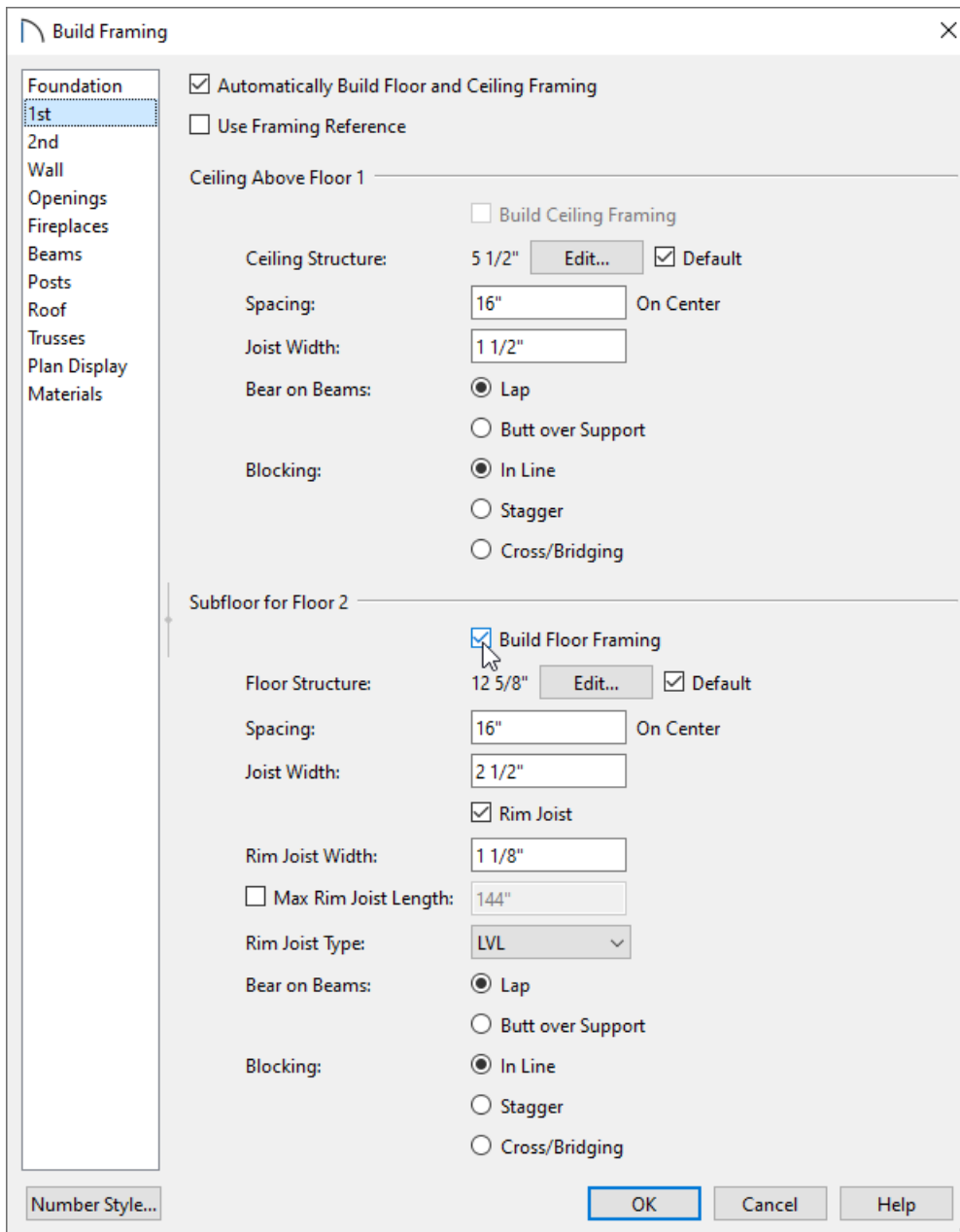
## To generate automatic framing

1. Select **Build> Framing> Build Framing**  from the menu.

**Note:** In Home Designer 2023, a Build All Framing tool is also available, allowing you to quickly build, or rebuild, all floor, ceiling, wall, and roof framing throughout the current plan with a single click. This is only recommended after you have set all of your framing properties to your liking.

2. In the **Build Framing** dialog box, visit each panel and check the appropriate **Build** box.

If you would like the framing to always update based upon changes that are made to the plan, check the **Automatically Build Framing** box instead.



Floor framing for a particular floor in your plan is accessed on the floor below. Floor 1 floor framing, for example, is built on the Foundation panel, and is also displayed on Floor 0 in floor plan view.

Ceiling framing for a particular floor in your plan is accessed on that floor.


- You can choose to generate all framing in your plan at once, or just a portion at a time, depending on your needs.
- When you have checked all framing types that you wish to build, click **OK**.

It is common to use a combination of both automatic and manual framing in a single Home Designer Pro plan.

## To manually build or edit framing

1. Floor, ceiling and roof framing members can be selected and edited in a floor plan view.


If you don't see particular framing members in the view, the layer(s) the framing is on may be turned off. Navigate to Tools> Display Options and toggle on the display of any framing layers you would like to see.

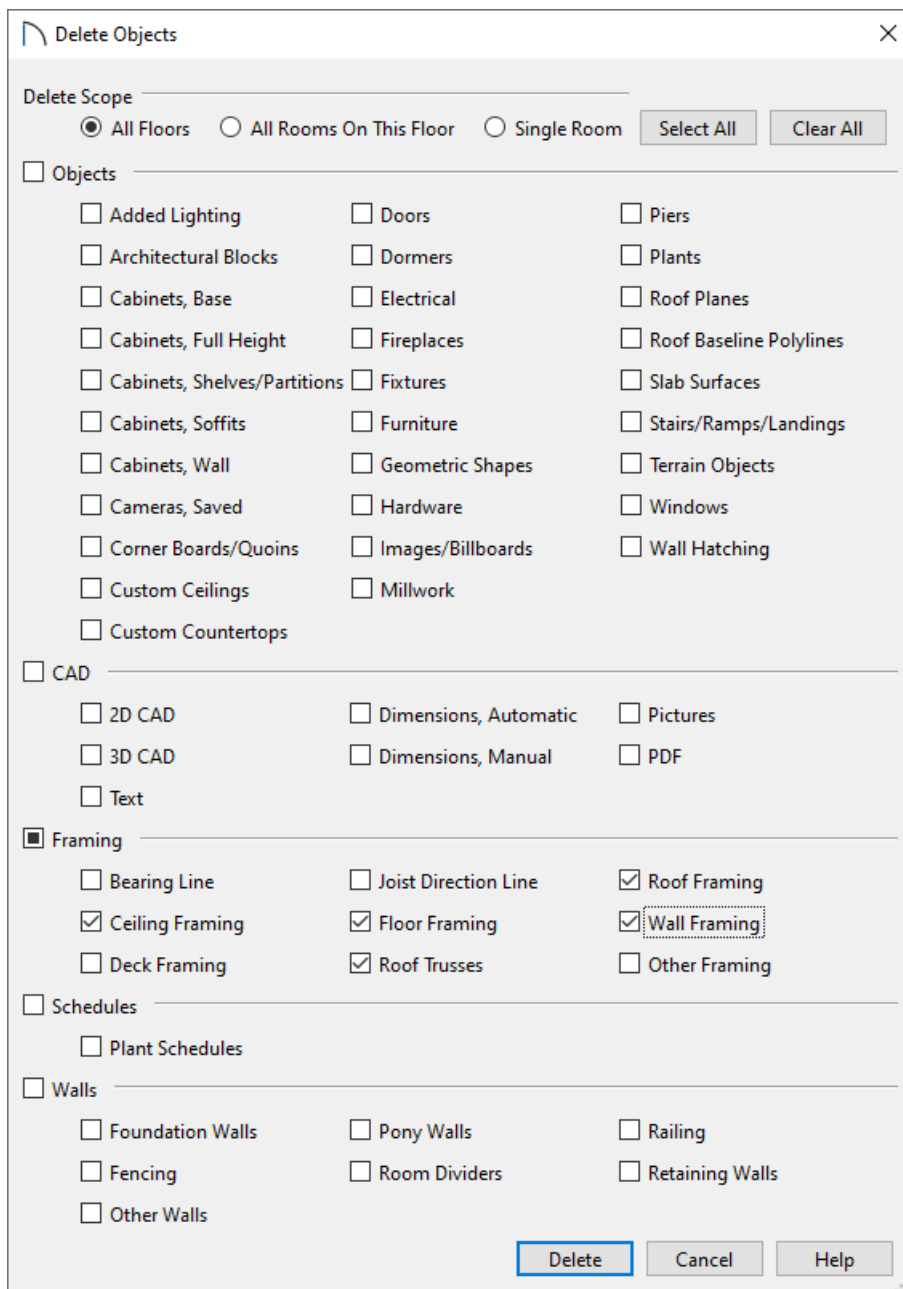
2. Rafters, trusses, joists and wall framing can be created using the various Framing tools, accessible from the **Build> Framing**  menu.



For more information on manually drawing framing members, please see the [Related Articles](#) section below.

Sometimes, it is necessary to make structural changes to a plan that has already been drawn. All framing members can be deleted before new framing defaults are set and new framing members are generated.

## To prepare an existing plan for new framing

1. Before making changes that will affect floor, ceiling and/or roof plane heights, it is recommended that you first delete your framing, including wall framing.
  - Select **Edit> Delete Objects** .
  - Click the radio button beside **All Floors**.
  - Check the boxes beside **Floor Framing**, **Ceiling Framing**, **Roof Framing**, **Roof Trusses** and **Wall Framing**.



- Click **Delete** to delete the specified framing objects in your plan.
2. It may also be necessary to either raise or delete the existing roof planes.
- To raise the roof planes enough to accommodate changes, hold **Shift** and click on each roof plane that needs to be modified, and then click the **Transform/Replicate Object**  edit button.
  - In the **Transform/Replicate Object** dialog, check the box beside **Move** and specify the desired distance to raise or lower the roof planes along the **Z Delta**.
  - If you would rather delete the roof completely to start over, select **Build> Roof> Delete Roof Planes**  from the menu.
3. It may be beneficial to reset your floor and ceiling heights back to their default values.
- Select **Edit> Reset to Defaults**.

- Click the radio button next to **All Floors**.
  - Check **Floor Heights** and **Ceiling Heights**, then click **OK** to reset the floor and ceiling heights for the rooms on all of your floors back to their floor's default values.
4. Make the needed changes to your plan's structure.
- Begin on the lowest floor and work upwards towards the attic.
  - Remember that changes made to the Framing and Floor Defaults will not affect any rooms that are not using the default values.
- For example, rooms with sunken floors should be examined individually and their heights adjusted as needed.
5. When your structural changes are complete, you can now rebuild your framing and, if necessary, your roof.

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#### Related Articles

- [📄 Changing Joist Directions \(/support/article/KB-02932/changing-joist-directions.html\)](/support/article/KB-02932/changing-joist-directions.html)
- [📄 Creating an Elevation View of Wall Framing in Home Designer Pro \(/support/article/KB-01188/creating-an-elevation-view-of-wall-framing-in-home-designer-pro.html\)](/support/article/KB-01188/creating-an-elevation-view-of-wall-framing-in-home-designer-pro.html)
- [📄 Creating Beams in Home Designer Pro \(/support/article/KB-00458/creating-beams-in-home-designer-pro.html\)](/support/article/KB-00458/creating-beams-in-home-designer-pro.html)
- [📄 Modifying a Wall Type \(/support/article/KB-00382/modifying-a-wall-type.html\)](/support/article/KB-00382/modifying-a-wall-type.html)
- [📄 Manually Drawing Framing Members \(/support/article/KB-00727/manually-drawing-framing-members.html\)](/support/article/KB-00727/manually-drawing-framing-members.html)
- [📄 Troubleshooting Framing Issues in Home Designer Pro \(/support/article/KB-00401/troubleshooting-framing-issues-in-home-designer-pro.html\)](/support/article/KB-00401/troubleshooting-framing-issues-in-home-designer-pro.html)