Troubleshooting why Roof Planes Fail to Generate

Reference Number: **KB-00115**

Last Modified: **July 21, 2021**

The information in this article applies to:
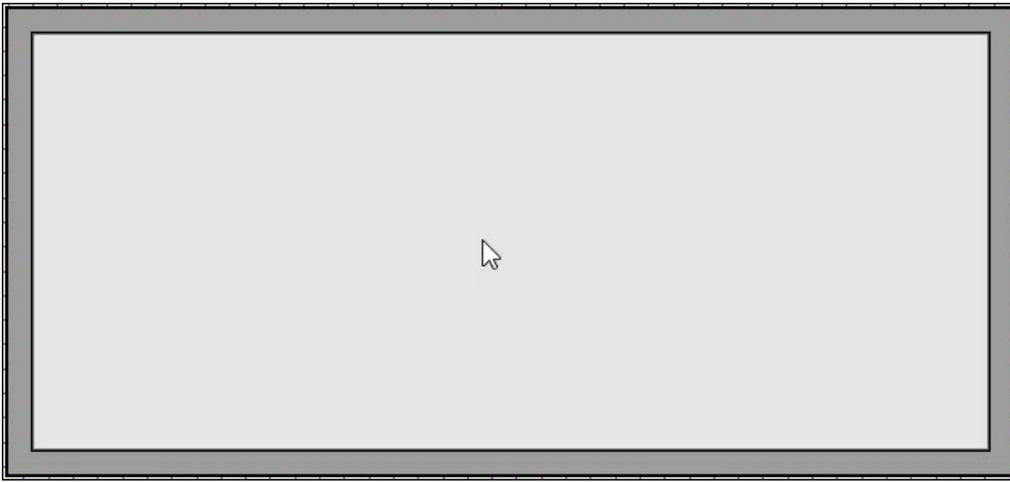
PRO   ARCH   SUITE

QUESTION

When I attempt to generate an automatic roof, no roof planes are created. Why is that happening and how do I fix it?

ANSWER

There are several reasons why a roof might not be produced in a given plan. We will discuss the most common reasons why a roof would not be generated below including room definition, structural specifications and roof baseline polylines.

To verify room definition

- When walls are drawn to enclose an area, the program will recognize that area as a room.

- You should be able to click in a room in floor plan view using the **Select Objects** tool and select it. The room will change in color once selected and the status bar at the lower right will show **Room** as the current selection.

- If you're not able to select a room and highlight it, there is probably a gap somewhere along the perimeter walls. Carefully examine the walls, particularly the corners, and make any adjustments needed to make sure they are properly connected.

If you are able to select the room or rooms in your plan, make sure that they are set to have roofs built over them.

To check structural room specifications

1. With a room selected, click the **Open Object** ▐ edit button to display the Room Specification dialog.

2. On the Sᴛʀᴜᴄᴛᴜʀᴇ panel of the **Room Specification** dialog that displays, make sure there is a check beside **Roof Over This Room**.

Room Specification

General
Structure
Moldings
Fill Style
Materials

Absolute Elevations

Floor Above:	114 5/8"
Ceiling:	109 1/8"
Floor:	0"
Floor Below:	-46 1/8"

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
☐ Shelf Ceiling
☐ Use Soffit Surface for Ceiling
Ceiling Structure: 5 1/2"
Ceiling Finish: 5/8" ☑ Default

Floor

Floor Finish: 7/8" ☑ Default
Floor Structure: 12 5/8"

To reset the Roof Directives in Walls to match the default settings

1. Select **Edit> Reset to Defaults** from the menu.

2. In the **Reset to Defaults** dialog, set the Reset Scope to **All Floors**.

3. Place a check in the boxes next to:

    - **Floor Heights**
    - **Ceiling Heights**
    - **Roof Directives in Walls**

4. Click the **OK** button to apply the changes and restore these values back to their defaults.

To delete gable lines in Home Designer Architectural and Home Designer Pro

Home Designer Architectural and Home Designer Pro have a **Gable/Roof Line** 🏠 tool which can be used to automatically generate a gable above the bearing wall of a hip roof plane such as if a wall break would be required in the same location as a door or window, where a wall is not present, such as across the front of an
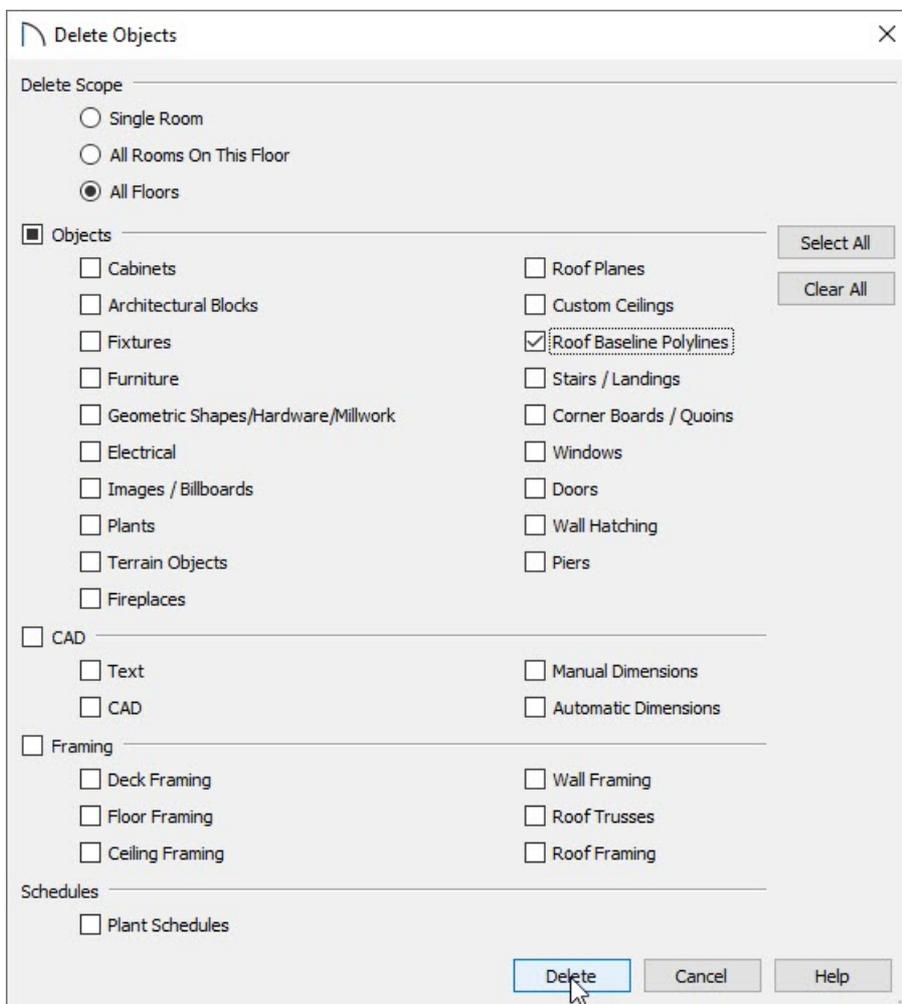
alcove, or over a bay, box, or bow window.

If you have tried to use a Gable/Roof Line in a different area than those described above, it may be affecting the generation of the roof planes. Using the **Select Objects** tool, you can select the Gable/Roof Line then **Delete** ⊠ it.

To delete roof baseline polylines in Home Designer Pro

In Home Designer Pro, an unwanted roof baseline polyline may prevent the roof from generating properly.

1. Select **Edit> Delete Objects** ⊠ from the menu.

2. In the **Delete Objects** dialog, set the Delete Scope to **All Floors**.

3. Place a check in the **Roof Baseline Polylines** box, then select **Delete**.

4. Lastly, rebuild your roof.

If you have set one or more rooms to be in a Roof Group other than zero, you can use the Reset to Defaults menu option to set them all back to zero.

To Reset Roof Groups in Home Designer Pro

1. Select **Edit> Reset to Defaults** from the menu.

2. In the **Reset to Defaults** dialog, place a check in the **Roof Groups** box, then click **OK** to reset all the rooms to Roof Group zero.

3. Lastly, rebuild your roof.