

Using Lower Wall Type if Split by Butting Roof to Apply Drywall to Part of an Exterior Wall

Reference Number: **KB-00370**

Last Modified: **June 5, 2024**

The information in this article applies to:



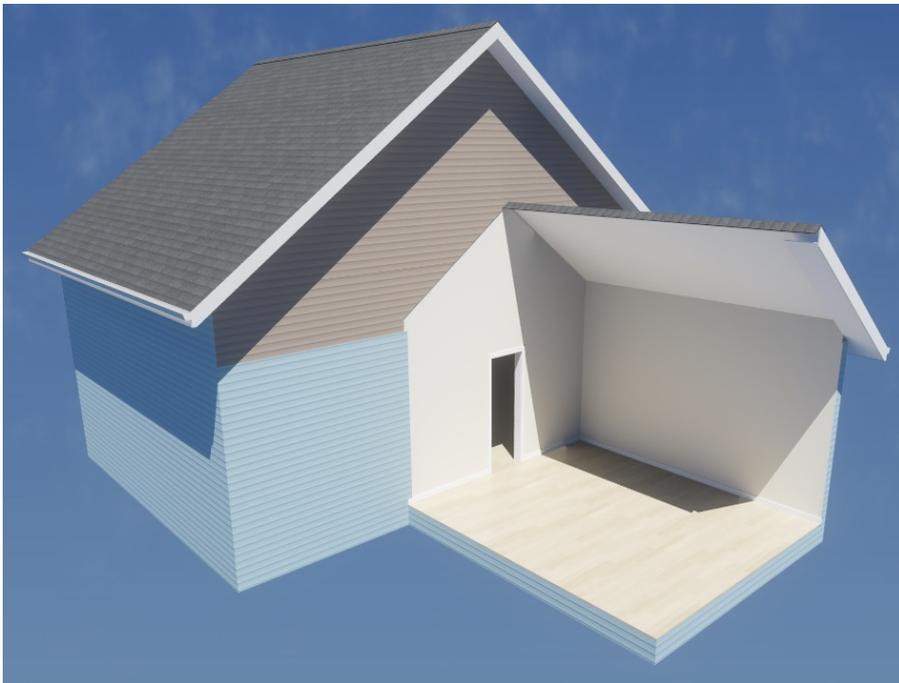
QUESTION

How can I create a single wall that has drywall where it serves as an interior wall, and siding where it serves as an exterior wall?

ANSWER

In some situations, a single wall may need to serve as both an exterior wall with sheathing and siding materials and also an interior wall with drywall.

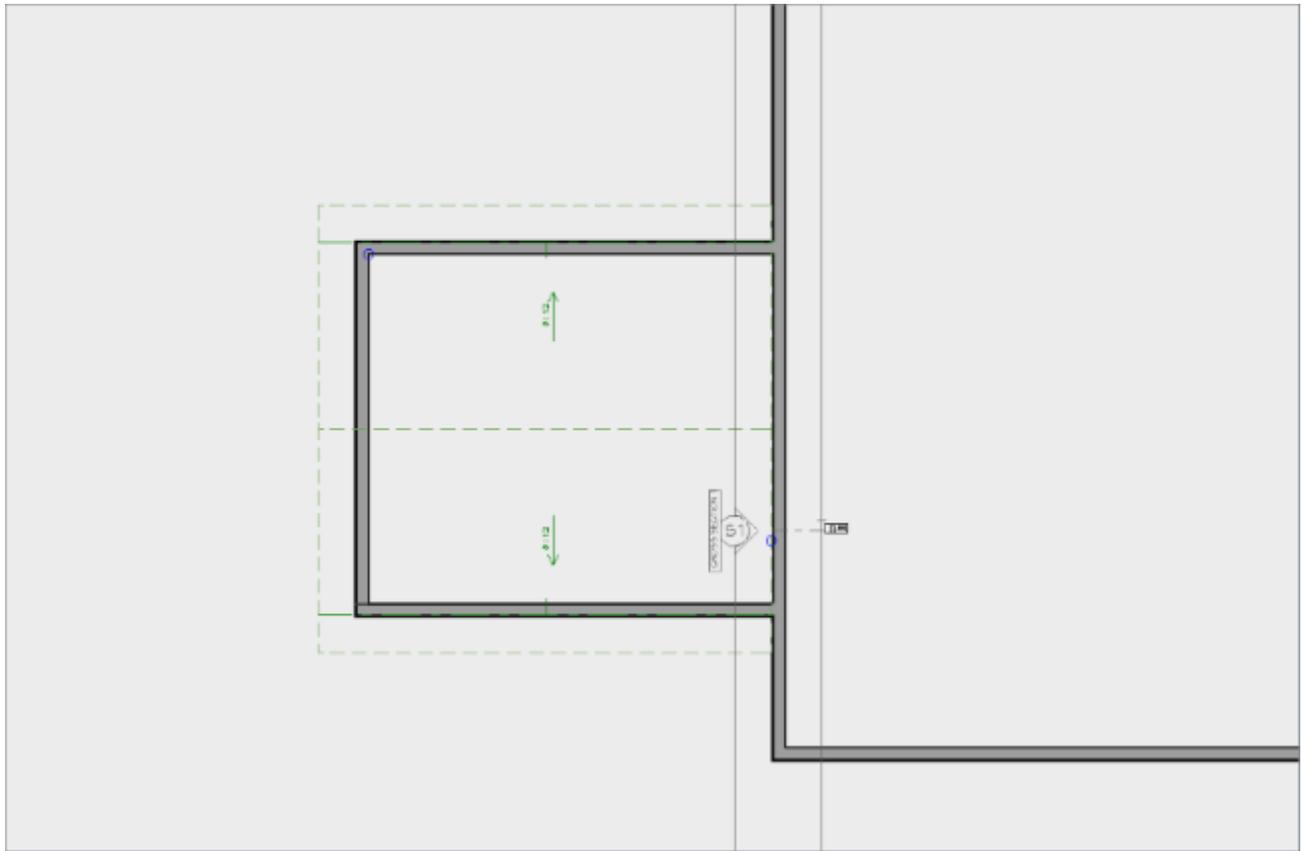
A classic example of this is where a bump-out or addition meets the gable wall of a taller structure. The roof over the addition will butt against the taller gable wall, and the gable wall will require siding above the roof and drywall below it.



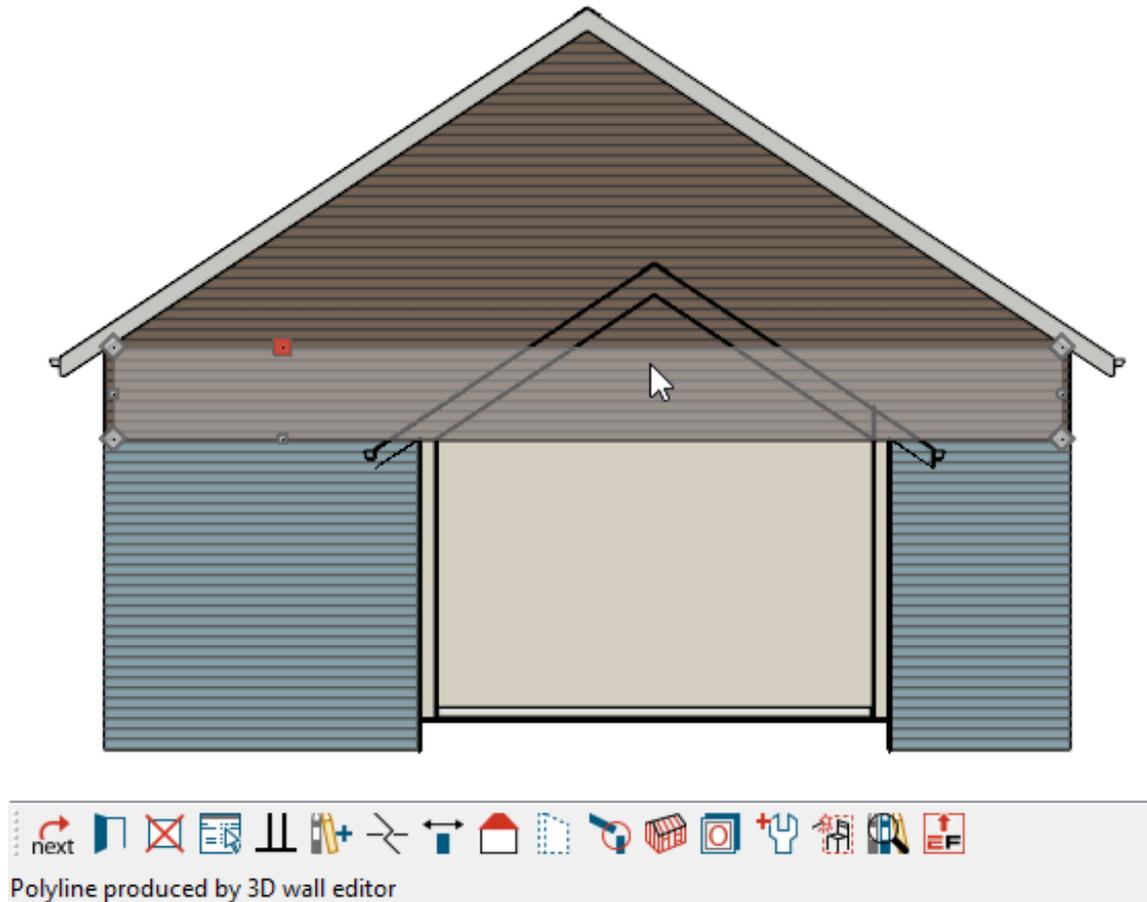
This condition can be easily achieved using the Lower Wall Type if Split by Butting Roof setting located in the Wall Specification dialog. However, it's important to finalize the footprint of your plan, particularly the floor heights and the positioning of your ceiling and roof planes, prior to enabling this setting.

To use the Lower Wall Type if Split by Butting Roof setting

1. In your plan, navigate to **3D> Create Orthographic View> Backclipped Cross Section**  from the menu, then click in front of the wall that you need to edit and drag a short camera arrow beginning in the one-story area and ending on the other side of the wall, in the two-story area.



2. In the cross section view, click the **Select Objects**  tool, then click on the wall that has siding where it is not needed.
3. In the lower left corner of the program window, locate the Status Bar, and ensure that it says "Polyline produced by 3D wall editor". If it says "Exterior Room", click the **Select Next Object**  edit button or press the **Tab** key on your keyboard.



4. With the wall selected, click the **Open Object**  edit button.
5. On the **ROOF** panel of the **Wall Specification** dialog that displays, check the **Lower Wall Type if Split by Butting Roof** box, choose an appropriate wall type for the lower wall using the drop-down menu, then click **OK**.

In this example, the "Interior-6" wall type is specified.

Wall Specification

General
 Structure
Roof
 Foundation
 Wall Types
 Wall Cap
 Wall Covering
 Rail Style
 Newels/Balusters
 Rails
 Layer
 Materials
 Label
 Components
 Object Information
 Schedule

Roof Options

Hip Wall High Shed/Gable Wall
 Full Gable Wall Knee Wall
 Dutch Gable Wall Extend Slope Downward
 Roof Cuts Wall at Bottom
 Include Frieze
 Include Automatic End Truss Above

Pitch Options

Pitch: in 12
 Upper Pitch
 Upper Pitch: in 12
 Starts at Height:
 In from Baseline:

Overhang

Length:

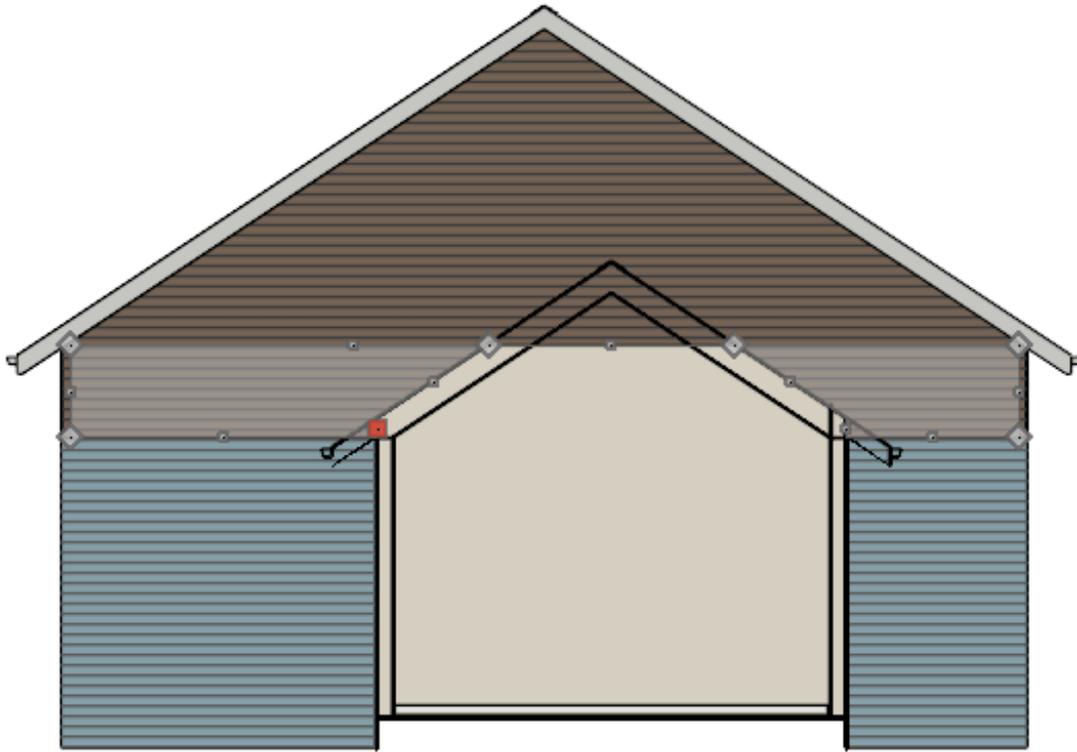
Auto Roof Return

Length:
 Extend:
 Roof Type: Gable Hip Full
 Slope: Sloping Flat
 Include Shadow Boards Include Frieze
 Include Ridge Caps Include Gutter

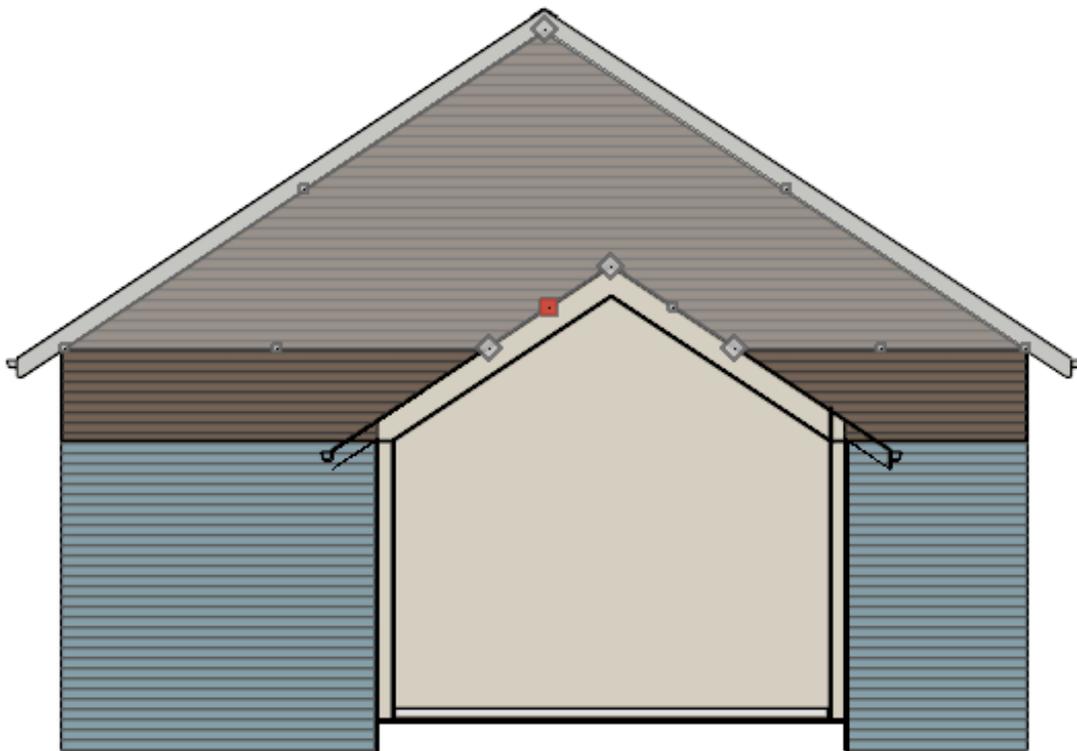
Lower Wall Type if Split by Butting Roof

The wall will now have two parts - an upper part with siding and a lower part with drywall.

If you open this particular wall up to specification again and access the Wall Types panel, you will now notice that it has been specified as a pony wall. The major difference between this particular wall and a normal pony wall is that the adjacent roof's position is determining where the wall types change.



If there is a wall above the selected wall with this same condition, simply select it and repeat the same steps.



[📄 Controlling Wall, Floor, and Ceiling Heights \(/support/article/KB-00579/controlling-wall-floor-and-ceiling-heights.html\)](/support/article/KB-00579/controlling-wall-floor-and-ceiling-heights.html)

[📄 Creating a Vaulted Ceiling and Scissor Trusses \(/support/article/KB-00068/creating-a-vaulted-ceiling-and-scissor-trusses.html\)](/support/article/KB-00068/creating-a-vaulted-ceiling-and-scissor-trusses.html)

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