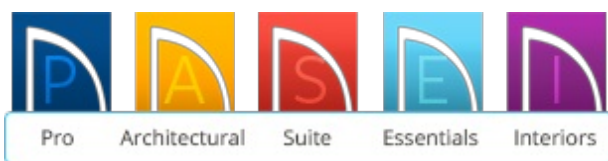


Creating an Attached Porch

Reference Number: **KB-01086**

Last Modified: **November 5, 2019**

The information in this article applies to:



QUESTION

I would like to know how to create an attached porch on my plan. How can I accomplish this task in Home Designer?

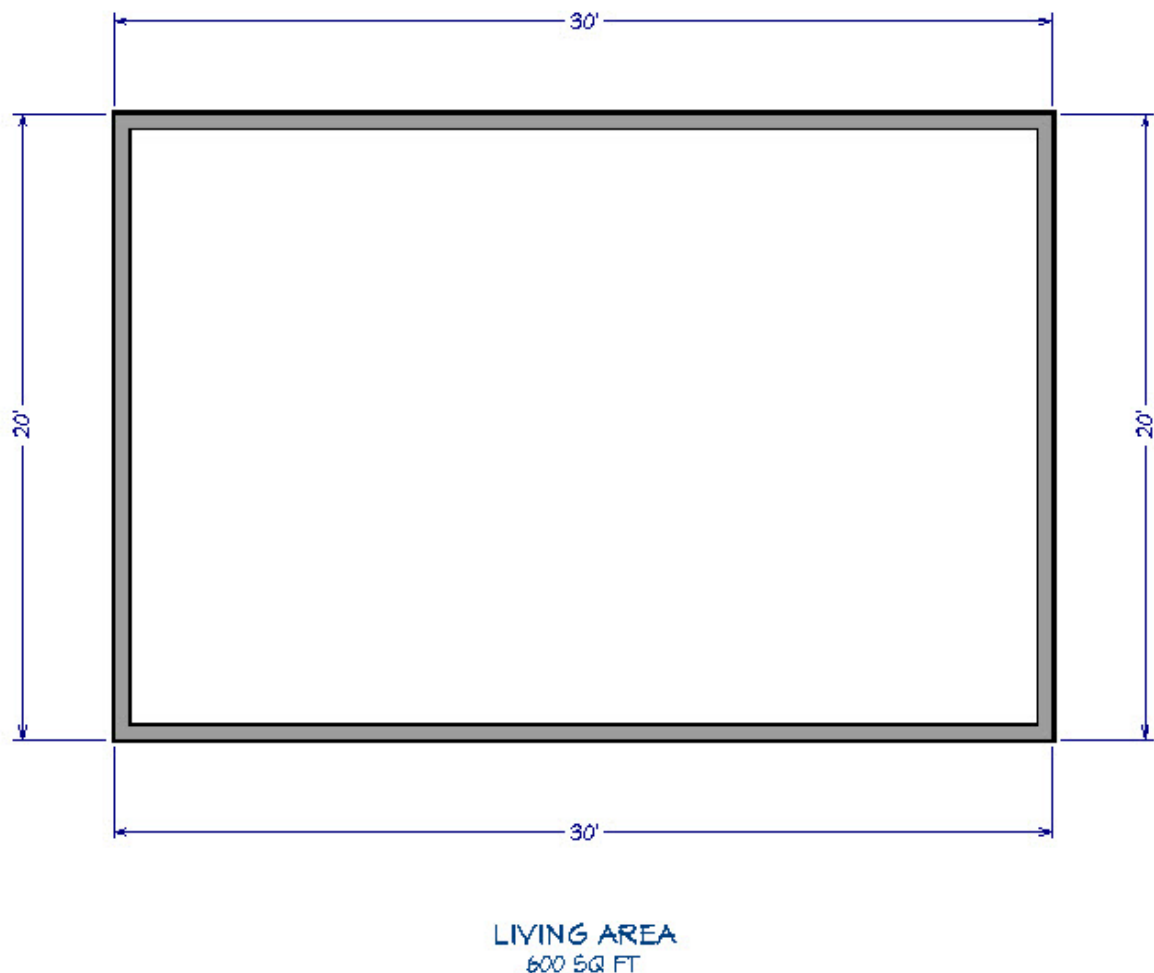


ANSWER


For the purposes of this example, we will show you how to accomplish this task in a new plan, then you can take what you learn and apply it to your own design.

To create the initial structure

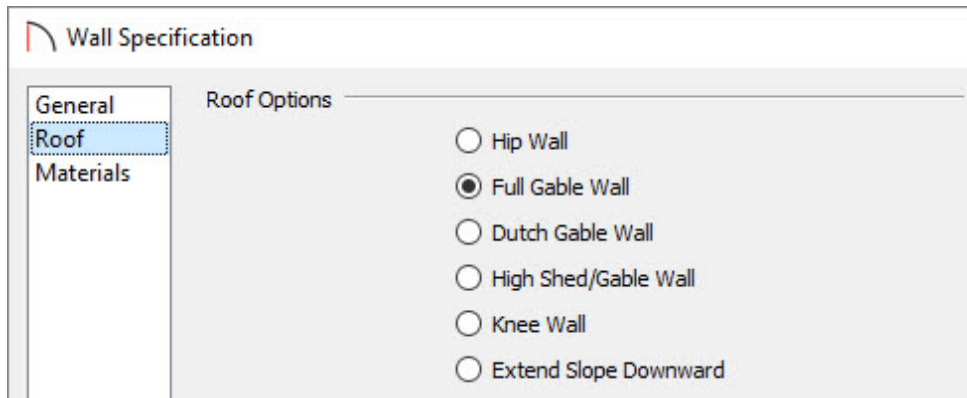
1. To begin, select **File> New Plan**  to create a new, blank plan in Home Designer.
2. Next, select **Build> Wall> Straight Exterior Wall**  then click and drag out your walls to create a basic rectangular structure.



For this example, we created a basic 30' x 20' structure.


3. Next, select the left wall of the building, and click on the **Open Object**  edit button to display the **Wall Specification** dialog.

4. On the **Roof** panel, select the **Full Gable Wall** radio button and then click **OK** to confirm the change.






5. Repeat this process on the right wall of the building, so that both opposing 20' walls are marked as **Full Gable Walls**.

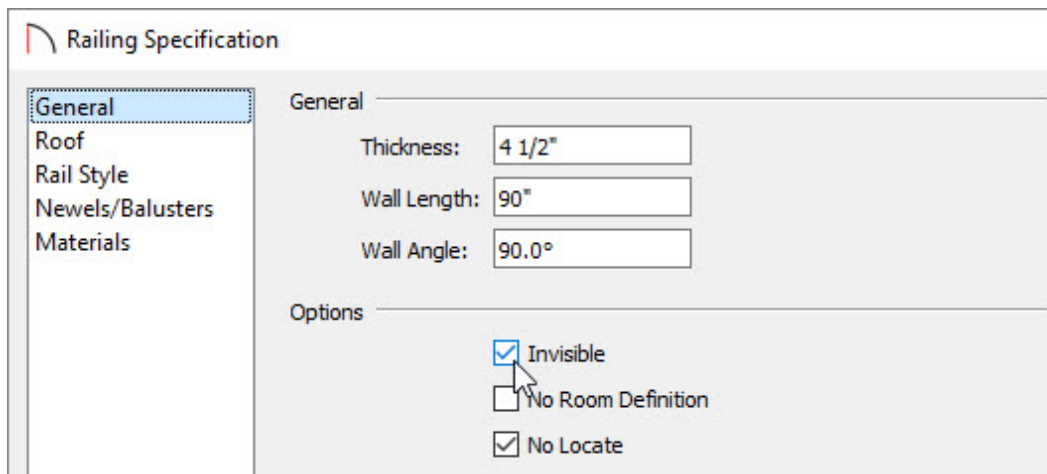
To create the attached porch


1. Next, select **Build> Railing and Deck (Railing)> Straight Railing** , then click and drag out three railings to create an enclosed room on the front of the structure.

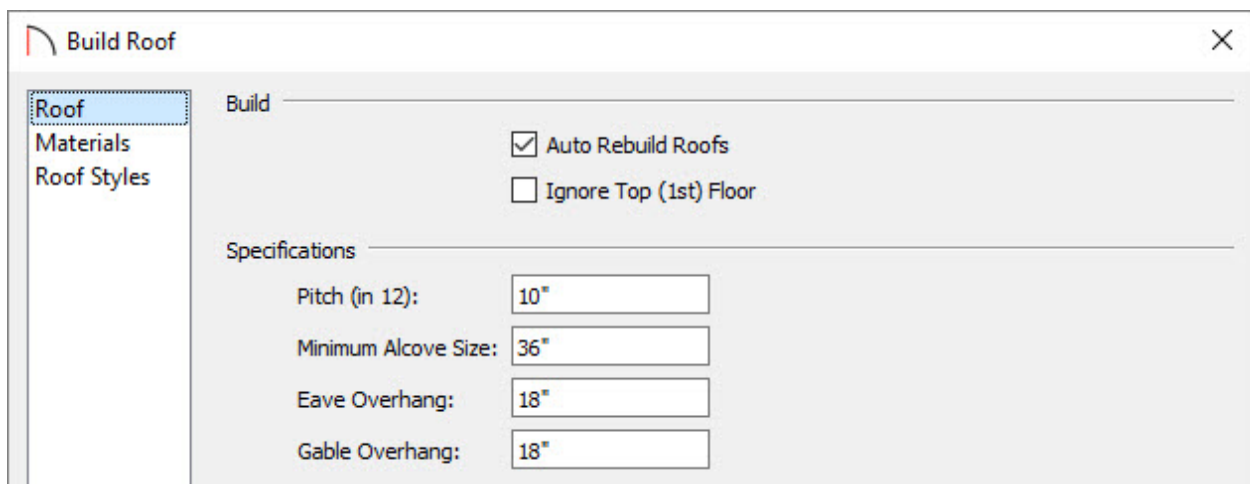


For our example, the front railing will be 7' out from the exterior wall.

2. After creating the railings, use the **Select Objects**  tool to select the newly created room, then click on the **Open Object**  edit button to display the **Room Specification** dialog.
3. Change the **Room Type** to **Porch**, and click **OK**.
4. Select the left railing and click on the **Open Object**  edit button to display the **Railing Specification** dialog.



- On the **GENERAL** panel, place a check in the **Invisible** box.
 - On the **ROOF** panel, select the **Full Gable Wall** radio button.
 - Hit **OK** to confirm the change and to close out of the dialog.
5. Repeat this process for the right railing as well, so that both railings are set to be **Invisible** and **Full Gable Walls**.
6. Now, select **Build> Roof> Build Roof**  to display the **Build Roof** dialog.





- On the **ROOF** panel, make sure that **Auto Rebuild Roofs*** is checked, then set the overall **Pitch** that you want for your main structure.
**Auto Rebuild Roofs is not available in Home Designer Essentials.*
- For the purposes of this example, we will set the **Pitch (in 12)** to **10"**.
- Once you have completed making changes in this dialog, click **OK**.

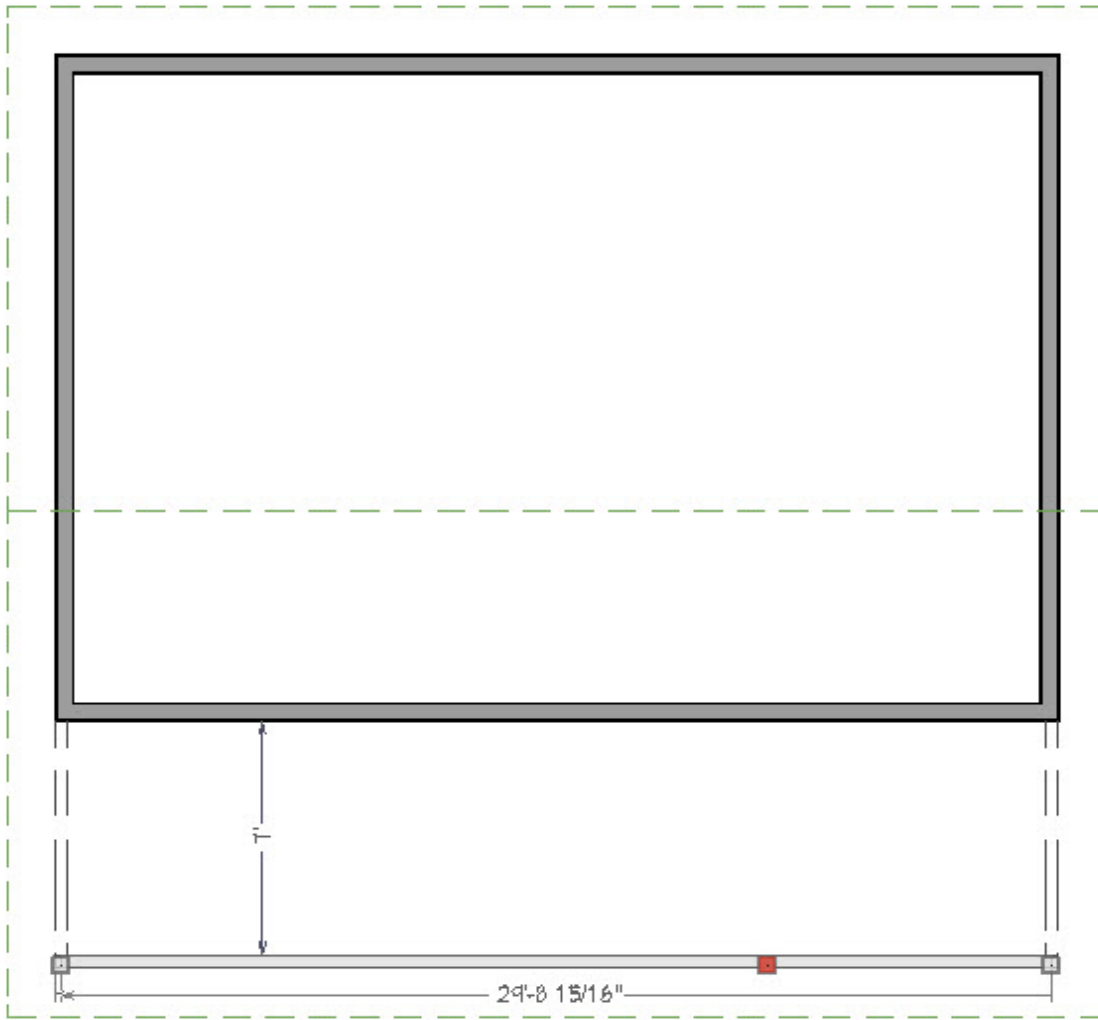
7. Finally, let's take a **3D Camera**  view to see our results so far.



Now that we have created our walls and railings, as well as specified the overall main pitch for the structure, we just need to define the front railing.

To define the front railing

1. Use the **Select Objects**  tool to select the front railing, and click on the **Open Object**  edit tool.



2. In the **Railing Specification** dialog that opens, make the following adjustments:

- Select the ROOF panel and specify a **Pitch** of **4"** in 12, an **Upper Pitch** of **12"** in 12, and **In From Baseline** value of **7' (84")**.

Railing Specification

General
Roof
 Rail Style
 Newels/Balusters
 Materials

Roof Options

Hip Wall
 Full Gable Wall
 Dutch Gable Wall
 High Shed/Gable Wall
 Knee Wall
 Extend Slope Downward

Pitch Options

Pitch: in 12
 Upper Pitch

Upper Pitch: in 12

Start at Height:

In From Baseline:

Recall that 7' is the distance that the front railing was from the exterior wall, which is where we want the change in pitch to occur for the roof plane.

- On the **RAIL STYLE** panel, select the **Open** radio button, check the **Post to Beam** box, and remove the checks from the **Include Top Rail** and **Include Bottom Rail** boxes.

Railing Specification

General
 Roof
Rail Style
 Newels/Balusters
 Materials

Railing Type

Balusters
 Solid
 Open
 Open with Middle Rail
 Panels

Newels/Posts

Post to Rail
 Post to Beam
 Post to Ceiling
 Rail to Post
 No Post

Top/Bottom Rail

Include Top Rail
 Include Bottom Rail
 Raise Bottom:

- On the **NEWELS/BALUSTERS** panel, change the Newel/Posts **Spacing** value to **192"** so

that there will only be three, instead of five posts across the front of the structure.

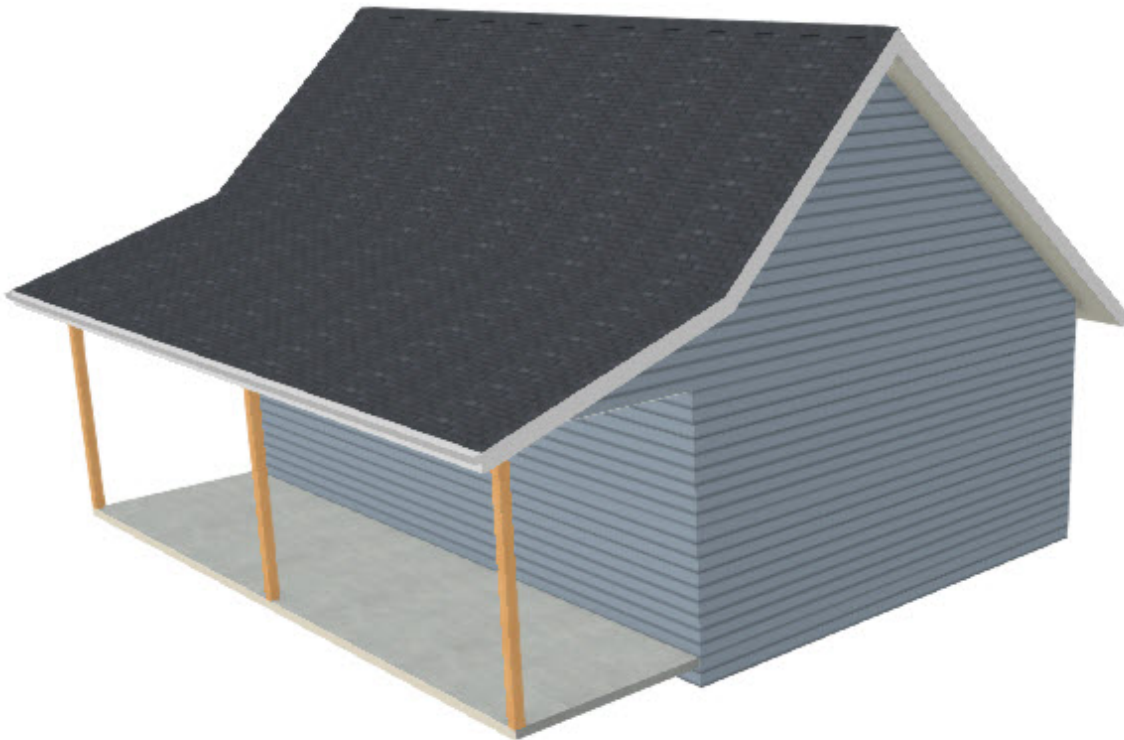
Railing Specification

General
Roof
Rail Style
Newels/Balusters
Materials

Railing
Height: 36"

Newels/Posts
Width: 4 1/2"
Height: 36"
Spacing: 192" On Center
Type: Square Library...

3. Click **OK** to apply these changes and take a **Camera**  view to see the results.



Note: In Home Designer Essentials, which does not have the Auto Rebuild Roofs option, you will need to select **Build > Roof > Build Roof** again and click **OK** to regenerate the roof based on these changes.



(<https://hometalk.chiefarchitect.com/>)



[\(https://chiefarchitectblog.com/\)](https://chiefarchitectblog.com/)



[\(https://www.facebook.com/ChiefArchitect\)](https://www.facebook.com/ChiefArchitect)



[\(https://www.youtube.com/user/ChiefArchitectInc\)](https://www.youtube.com/user/ChiefArchitectInc)



[\(https://www.instagram.com/chiefarchitectsoftware/\)](https://www.instagram.com/chiefarchitectsoftware/)



[\(https://www.houzz.com/pro/chiefarchitect/\)](https://www.houzz.com/pro/chiefarchitect/)



[\(https://www.pinterest.com/chiefarchitect/\)](https://www.pinterest.com/chiefarchitect/)