

# Specifying the On-Center (OC) Spacing for Wall Framing

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The information in this article applies to:



## QUESTION

How do I specify the on-center spacing for wall framing?


## ANSWER

On-center spacing values can be specified for each wall layer that is defined as framing within any given wall type. This provides you full control over various different wall types in a plan, including those that may consist of multiple framing layers.

Before changing the on-center spacing value for a framing wall layer, consider specifying a commonly used value for the default stud spacing field located within the Framing Defaults.

Setting the default stud spacing

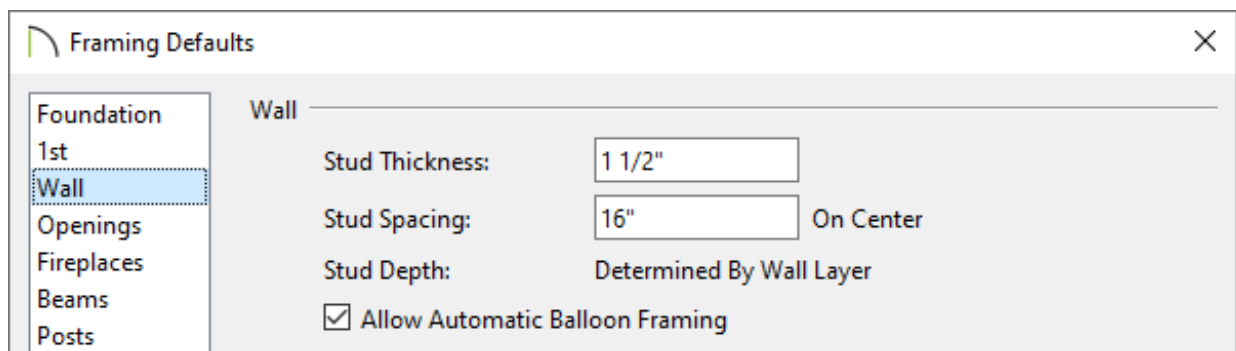
Wall types, specifically framing wall layers, will not follow the default Stud Spacing value located in the Framing Defaults unless they have been chosen to do so within the Wall Type Definitions dialog. Please see Step 3 in the next section to learn more.

1. In your desired plan, navigate to **Edit> Default Settings** , expand the **Framing** category, select the **General Framing** option, then click **Edit**.

In X15 and prior versions, select the **Framing** category, then click **Edit**.


2. On the **WALL** panel of the **Framing Defaults** dialog that opens, specify the desired **Stud Spacing** value.

This value is measured from stud center to stud center.



3. Click **OK** and **Done** to close the dialogs.

## Setting the on-center spacing for a framing wall layer

1. Select **Build> Wall> Define Wall Types**  from the menu.
2. In the **Wall Type Definitions** dialog, select your desired wall type using the drop-down menu in the top left corner, then select one of the wall type's framing layer(s) by clicking on it within the Wall Layers table.

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 | Display Layer |  |
|------------------------|------------|------------|--------|---------------|---------|------------|------|-----------|-----------|---------------|--|
| <b>Exterior Layers</b> |            |            |        |               |         |            |      |           |           |               |  |
| 1                      |            | ————       | 1      | Lap Siding    |         |            |      | 1/2"      | 0"        | Default       |  |
| 2                      |            | ————       | 1      | Housewrap     |         |            |      | 0"        | 0"        | Default       |  |
| 3                      |            | ————       | 1      | OSB-Hrz       |         |            |      | 7/16"     | 0"        | Default       |  |
| <b>Main Layers</b>     |            |            |        |               |         |            |      |           |           |               |  |
| 4                      |            | ————       | 35     | Fir Framing 2 |         |            |      | 5 1/2"    |           | Default       |  |
| <b>Interior Layers</b> |            |            |        |               |         |            |      |           |           |               |  |
| 5                      |            | ————       | 1      | Drywall       |         | No Texture |      | 1/2"      |           | Default       |  |

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

Place Framing On Display Layer

Type: Lumber  On Center  Horizontal Framing

Stud Spacing: 24"

Bottom Run Elevation: 0"

Stud Width: 1 1/2"

Max Girt Length: 144"

Top Plate Count: 2

Top Plate Width: 1 1/2"

Bottom Plate Count: 1

Bottom Plate Width: 1 1/2"

Max Plate Length: 144"

Auto Detail as Insulation

Air Gap

3. If it's not already checked, check the **Framing** box located on the **MATERIAL PROPERTIES** tab in X15 and newer, or under the Material Layer section in X14 and prior.

- Specify the desired **Stud Spacing**.

In X13 and newer, select the **Use Default** icon if you would like the stud spacing of this wall layer to follow the default Stud Spacing value located in the Framing Defaults.

In X12 and prior, these properties are part of the framing material that is chosen for the wall layer.

- Other framing properties can also be specified here. For more information on these other fields, please see the [Related Articles](#) section below or refer to your program's documentation.

4. Click **OK** to close the dialog.

The next time you build wall framing in this plan, any walls using the wall type you just edited will use the stud spacing that you specified.

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#### Related Articles

- [📄 Defining a New Wall Type \(/support/article/KB-02944/defining-a-new-wall-type.html\)](/support/article/KB-02944/defining-a-new-wall-type.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)



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