

# Properties Pane: Main Building Tab

The *Main Building Tab* on the *Properties Pane* is used to define the overall dimensions and colors of a building. As pictured in Figure 1 at right, the *Main Building* tab is divided into nine separate sections: *Building Size*, *Roof Peak*, *Colors*, *Wainscot*, *Upper Sheathing*, *Ceiling Liner*, *Interior Wall Liner*, *Floor* and *Comments*. Each section contains property fields associated with that topic. To view the property fields associated with a given section, click on the greater-than symbol (>) to the right of that section header.

When SmartBuild software first creates your model, it populates many of the fields on the *Main Building* tab using the default values and calculations defined by your System Administrator. Any edits you make to the fields on the *Main Building* tab will override these default values. Changes made here are automatically reflected in the job's drawings and *Materials List*.<sup>1</sup>

## Building Size

The *Building Size* section of the *Main Building* tab contains 10 fields that define your building's basic dimensions. These fields are described as follows:

**Building Size** – The value displayed in the *Building Size* field depends upon whether your model was initially created using an existing template or “from scratch.” If your model was created using a template, the width and length of your building are displayed in this field as *W x L*. In addition, the *Width* and *Length* fields below are populated automatically and are read only (locked).

If your model was created “from scratch”, the *Building Size* field will display the words *Custom Size*, and the values in the *Width* and *Length* fields below will be unlocked and can be edited.

Either way, you can change the current entry in the *Building Size* field by clicking on the drop-down arrow and selecting a different value. Any changes made to the *Building Size* field will be reflected immediately in the *Display Pane*.



Figure 1: Section headers on the *Main Building* tab in the *Properties Pane*.

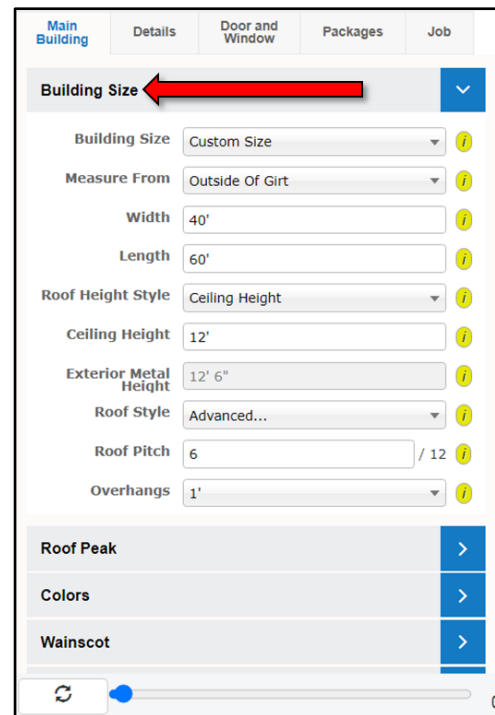


Figure 2: The 10 fields presented under the *Building Size* header.

<sup>1</sup> The exception to this rule is the fields that include the word “Margins.” Any changes to a “Margin” field are not reflected in drawings but \*ARE\* shown in the *Materials List*.

## **Building Size** *(continued)*

**Measure From** – Use this drop-down list to designate whether the building’s dimensions (footprint) are to be measured from the *Outside of Girt* or the *Outside of Post*.

**Width** – Enter a custom *Width* for your building in feet and inches. If the selected *Building Size* in the field above is based on a predefined size, the *Width* value will be entered automatically and this field will be read only. If you need to change the *Width* value, you must first change the value in the *Building Size* field (above) to *Custom Size*.

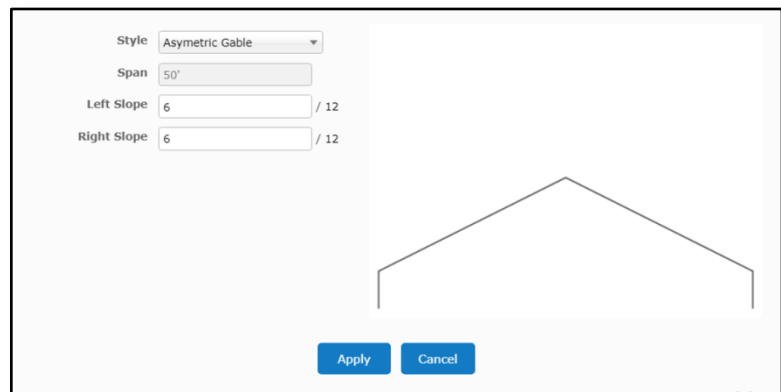
**Length** – Enter a custom *Length* for your building in feet and inches. If the selected *Building Size* in the field above is based on a predefined size, the *Length* value will be entered automatically and this field will be read only. If you need to change the *Length* value, you must first change the value in the *Building Size* field (above) to *Custom Size*.

**Roof Height Style** – Use the drop-down list to select whether the height of the roof is to be based on your building’s *Ceiling Height* or the *Top of Wall Material*. If *Top of Wall Material* is selected, the *Ceiling Height* value in the field below will be entered automatically.

**Ceiling Height** – Enter the desired height of your building’s ceiling in feet and inches, as measured from the top of the finish floor (or grade, if there is no finish floor) to the bottom chord of the roof trusses. If *Top of Wall Material* has been selected in the *Roof Height Style* field above, then the *Ceiling Height* value will be entered automatically and this field will be read only.

**Exterior Metal Height** – Enter the desired height of your building’s eave in feet and inches, as measured from the grade to the bottom of the roof plane.

**Roof Style** – Use the drop-down list to select the style for your building’s roof as either *Shed*, *Gable*, *Gambrel* or *Advanced*. If *Advanced* is selected, the dialog box shown in Figure 3 will open. Use the drop-down to select the style as either *Gambrel*, *Western*, *Asymmetric Gable* or *Offset Gable*. The *Span* field is read only and will be populated with the value entered into the *Width* field (above). Use the *Left Slope* and *Right Slope* fields to enter the pitch of your roof as “rise over run” ( $n/12$ ).



**Figure 3:** Use the *Roof Style* dialog box to configure an *Advanced Roof Style*.

**Roof Pitch** – Enter the desired slope of your building’s roof as “rise over run.” That is to say, how many inches the roof will rise for every 12” span of roof ( $n/12$ ). **NOTE** – If you have used the *Advanced Roof Style* dialog box to define your *Roof Style* (Figure 3), SmartBuild will automatically populate this field with the value entered in that dialog box for the *Left Slope*.

## Building Size *(continued)*

**Overhangs** – This drop-down list provides three basic options from which to choose: None, Advanced, or one of a number of predefined measures (6", 1', 2", etc.). Using a predefined measure will apply the same overhang measurement to all sides of your building. To create Overhangs that vary in width, select Advanced, and enter the appropriate value for each side of the building in the dialog box that opens, as pictured in Figure 4. Be sure to click on the Apply button at the bottom of the dialog box when you are done.

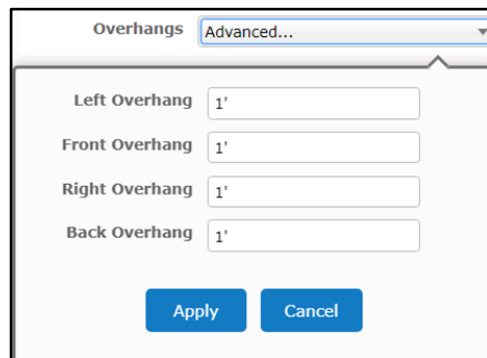
The image shows a dialog box titled "Overhangs" with a dropdown menu set to "Advanced...". Below the menu are four input fields: "Left Overhang" with a value of "1'", "Front Overhang" with "1'", "Right Overhang" with "1'", and "Back Overhang" with "1'". At the bottom of the dialog are two buttons: "Apply" and "Cancel".

Figure 4: The Advanced Overhangs dialog box.

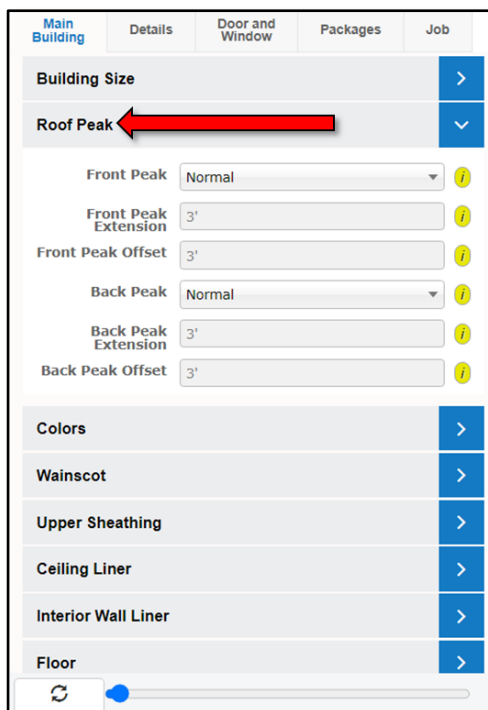
The image shows a software interface with a sidebar on the left containing menu items: "Main Building", "Details", "Door and Window", "Packages", and "Job". The main area is titled "Building Size" and has a sub-header "Roof Peak" with a red arrow pointing to it. Under "Roof Peak", there are six fields: "Front Peak" (Normal), "Front Peak Extension" (3'), "Front Peak Offset" (3'), "Back Peak" (Normal), "Back Peak Extension" (3'), and "Back Peak Offset" (3'). Each field has a yellow information icon to its right. Below these fields are other menu items: "Colors", "Wainscot", "Upper Sheathing", "Ceiling Liner", "Interior Wall Liner", and "Floor".

Figure 5: The 6 fields presented under the Roof Peak header.

## Roof Peak

**Front Peak** – Use the drop-down list to select the type of peak to be installed on the front side of your building as either Normal, Peak Out, or Flying Gable.

**Front Peak Extension** – If you have selected either Flying Gable or Peak Out as your Front Peak type in the field above, enter the distance past the Normal overhang to extend the front peak, in feet and inches. (See Figure 6A below.) If you have selected Normal in the Front Peak field above, this value will be entered automatically and the field will be read only.

**Front Peak Offset** – If you have selected Peak Out as the Front Peak type in the field above, enter the distance to offset the Front Peak Extension, as pictured in Figure 6B (right). If you have selected either Normal or Flying Gable in the Front Peak field above, this value will be entered automatically and the field will be read only.

**Back Peak** – Use the drop-down list to select the type of peak to be installed on the back side of your building as either Normal, Peak Out, or Flying Gable.

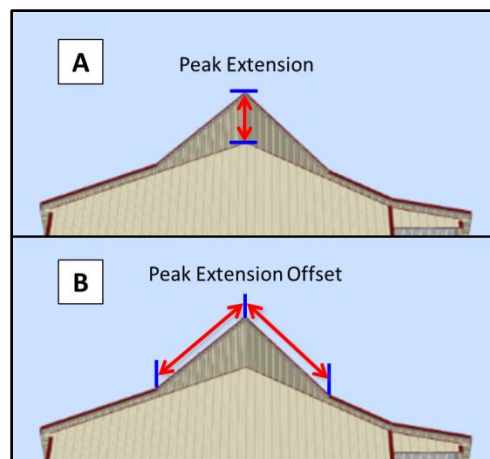


Figure 6: Measuring the Peak Extension and Peak Offset.

## Roof Peak *(continued)*

**Back Peak Extension** – If you have selected either *Flying Gable* or *Peak Out* as your *Back Peak* type in the field above, enter the distance past the *Normal* overhang to extend the back peak, in feet and inches. (See Figure 6A on the previous page.) If you have selected *Normal* in the *Back Peak* field above, this value will be entered automatically and the field will be read only.

**Back Peak Offset** – If you have selected *Peak Out* as the *Back Peak* type, enter the distance to offset the *Back Peak Extension*, as pictured in Figure 6B (above, left). If you have selected either *Normal* or *Flying Gable* in the *Back Peak* field, this value will be entered automatically and the field will be read only.

## Colors

**Product System** – Use this field to select the class of material to be used for your building. Selection of the *Product System* will impact the list of colors available from which you may choose.

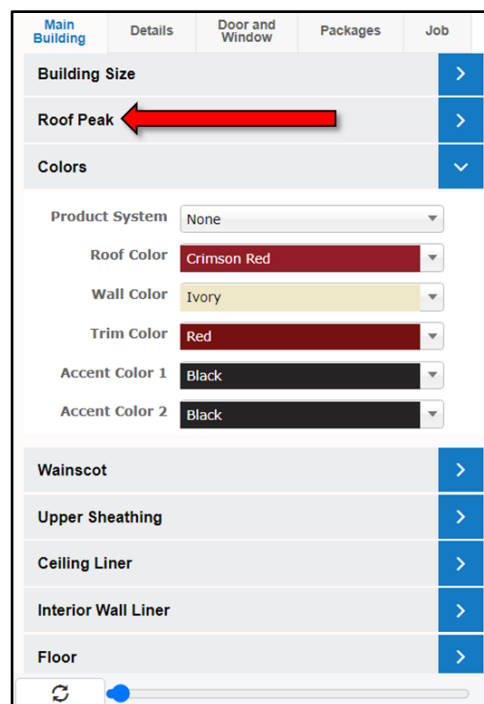
**Roof Color** – Use the drop-down list of the colors available from your supplier to select the desired color for all the sheathing panels on your roof. **NOTE** – If multiple colors are to be used for the roof, set the principle sheathing color to be used here, and use *Advanced Edit Mode* to define the additional sheathing colors needed.)

**Wall Color** – Use the drop-down list of the colors available from your supplier to select the desired color for all wall panels. **NOTE** – If multiple colors are to be used for wall panels, set the principal panel color to be used here, and use *Advanced Edit Mode* to define the additional panel colors needed.)

**Trim Color** – Use the drop-down list to select the desired color for all of the trim. **NOTE** – If multiple colors are to be used for the trim, set the principal trim color to be used here, and use *Advanced Edit Mode* to define the additional trim colors needed.)

**Accent Color 1** – Use the drop-down list to select a first *Accent Color* if you need to assign a color — other than the one currently selected for *Trim Color* — to specific categories of trim (e.g. *Ridge Cap Trim*, *Interior Base Trim*, *Ceiling Pitch Break*, etc.) Accent colors are assigned under the various trim sections on the *Details* tab.

**Accent Color 2** – Use the drop-down list to select a second *Accent Color* if you need to assign a color — other than the one currently selected for *Trim Color* or *Accent Color 1* — to specific categories of trim (e.g. *Ridge Cap Trim*, *Interior Base Trim*, *Ceiling Pitch Break*, etc.) Accent colors are assigned under the various trim sections on the *Details* tab.



The screenshot shows a software interface with a 'Main Building' tab selected. Under the 'Colors' header, there are six fields: 'Product System' (None), 'Roof Color' (Crimson Red), 'Wall Color' (Ivory), 'Trim Color' (Red), 'Accent Color 1' (Black), and 'Accent Color 2' (Black). A red arrow points to the 'Roof Peak' field, which is currently empty. Below the 'Colors' section, there are several other sections: 'Wainscot', 'Upper Sheathing', 'Ceiling Liner', 'Interior Wall Liner', and 'Floor', each with a right-pointing arrow.

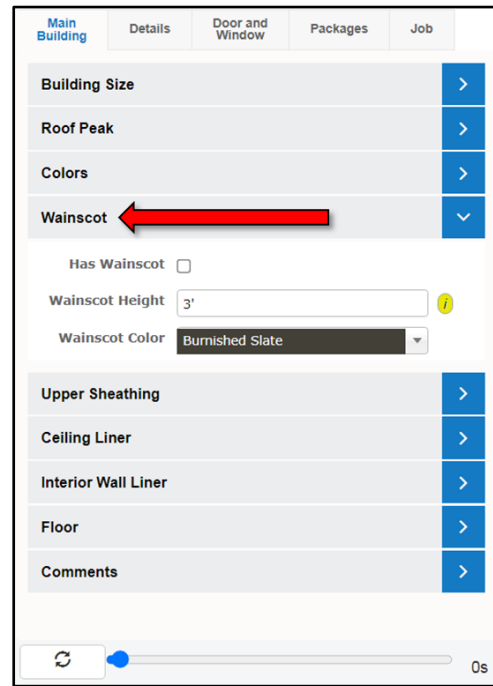
**Figure 7:** The 6 fields presented under the *Colors* header.

## Wainscot

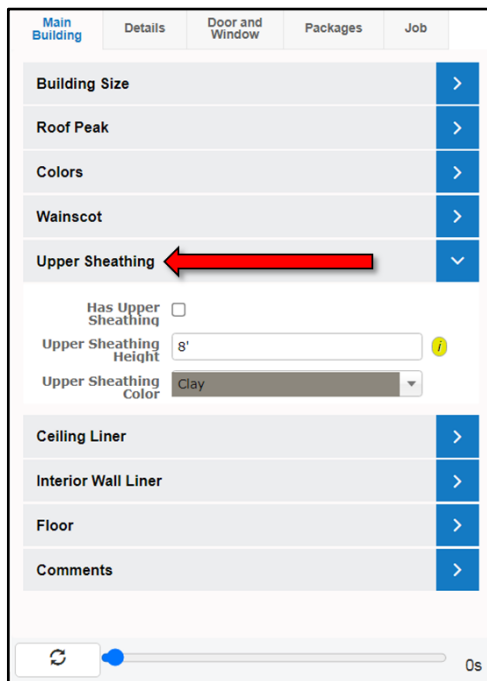
**Has Wainscot** – Place a check in this checkbox to indicate that wainscot is to be included on the exterior of your building. Clear this checkbox if wainscot is not to be included.

**Wainscot Height** – Enter the desired height for the exterior wainscot to be used on all sides of your building.

**Wainscot Color** – Use the drop-down list to select the desired color of the wainscot to be installed on the exterior of your building.



**Figure 8:** The 3 fields presented under the *Wainscot* header.



**Figure 9:** The 3 fields presented under the *Upper Sheathing* header.

## Upper Sheathing

**Has Upper Sheathing** – Place a check in this checkbox to indicate that the building is to have upper sheathing. Clear this checkbox if upper sheathing is not to be included.

**Upper Sheathing Height** – If your building will include upper sheathing, enter the height above grade of the bottom end of the upper sheathing (e.g. Ceiling Height).

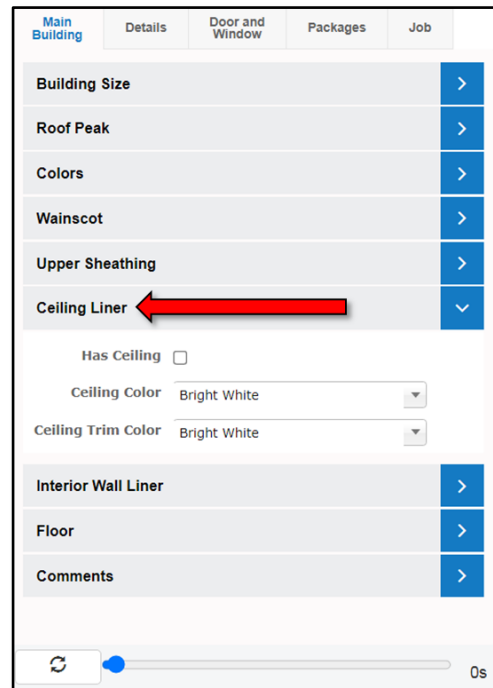
**Upper Sheathing Color** – Use this drop-down list to select the desired color of the upper sheathing.

## Ceiling Liner

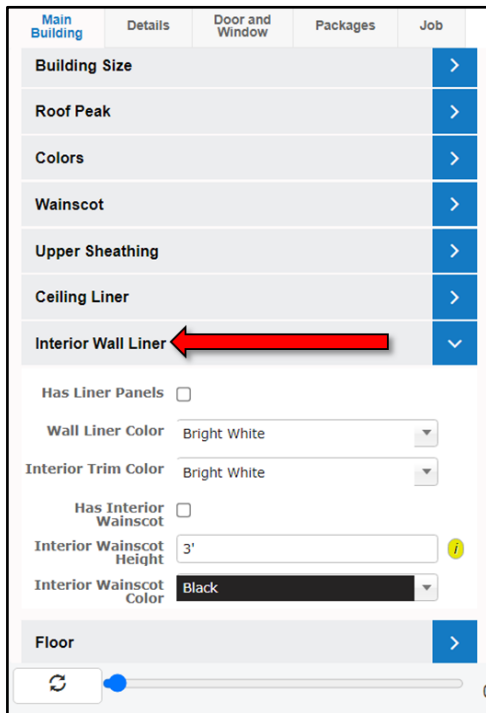
**Has Ceiling** – Place a check in this checkbox to indicate that the building is to have a ceiling. Clear this checkbox if a ceiling is not to be included.

**Ceiling Color** – Select the desired color of the ceiling material from this drop-down list.

**Ceiling Trim Color** – Use this drop-down list to select the desired color of the ceiling trim.



**Figure 10:** The 3 fields presented under the *Ceiling Liner* header.



**Figure 11:** The 6 fields presented under the *Interior Wall Liner* header.

## Interior Wall Liner

**Has Liner Panels** – Place a check in this checkbox to indicate that the building is to include interior-wall liner panels. Clear this checkbox if interior-wall liner panels are not to be included.

**Wall Liner Color** – Select the desired color of the interior-wall liner panels from the drop-down list provided.

**Interior Trim Color** – Use this drop-down list to select the desired color of the building's interior trim.

**Has Interior Wainscot** – Place a check in this checkbox to indicate that your building is to include interior wainscot. Clear this checkbox if interior wainscot is not to be added.

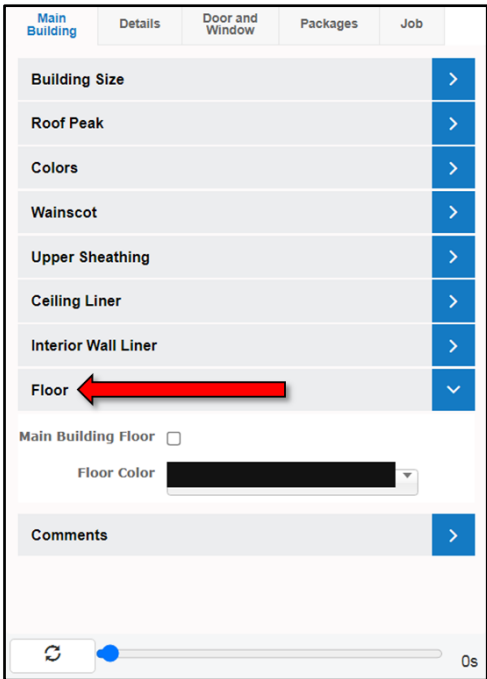
**Interior Wainscot Height** – Enter the height of the interior wainscot for all sides of the building, in feet and inches.

**Interior Wainscot Color** – Use this drop-down list to select the desired color for the building's interior wainscot.

## Floor

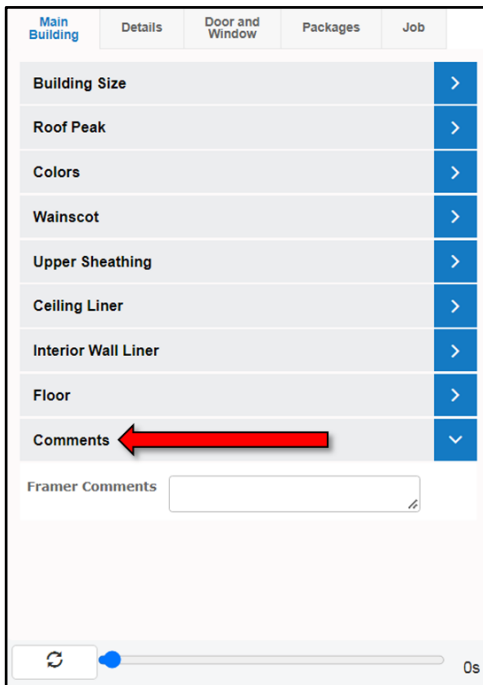
**Main Building Floor** – Place a check in this checkbox to indicate that the main building is to have a floor. Clear this checkbox if a `Main Building Floor` is not to be provided.

**Floor Color** – Select the desired `Floor Color` from the drop-down list of available colors.



The screenshot shows a software interface with a tabbed menu at the top: 'Main Building' (selected), 'Details', 'Door and Window', 'Packages', and 'Job'. Below the menu is a list of items, each with a right-pointing chevron: 'Building Size', 'Roof Peak', 'Colors', 'Wainscot', 'Upper Sheathing', 'Ceiling Liner', 'Interior Wall Liner', 'Floor', and 'Comments'. A red arrow points to the 'Floor' header. Under the 'Floor' header, there is a 'Main Building Floor' checkbox (unchecked) and a 'Floor Color' dropdown menu with a black background. At the bottom of the interface, there is a refresh icon and a progress bar labeled '0s'.

**Figure 12:** The 2 fields presented under the *Floor* header.



The screenshot shows the same software interface as Figure 12. The 'Comments' header is highlighted with a red arrow. Below the 'Comments' header, there is a 'Framer Comments' text input field with a small icon in the bottom right corner. At the bottom of the interface, there is a refresh icon and a progress bar labeled '0s'.

**Figure 13:** The single field presented under the *Comments* header.

## Comments

**Framer Comments** – Use this field to enter up to 2 GB of text for any framing-related comments. **NOTE** – This field can be resized to view more text by clicking and dragging on the lower-right corner of the text box.