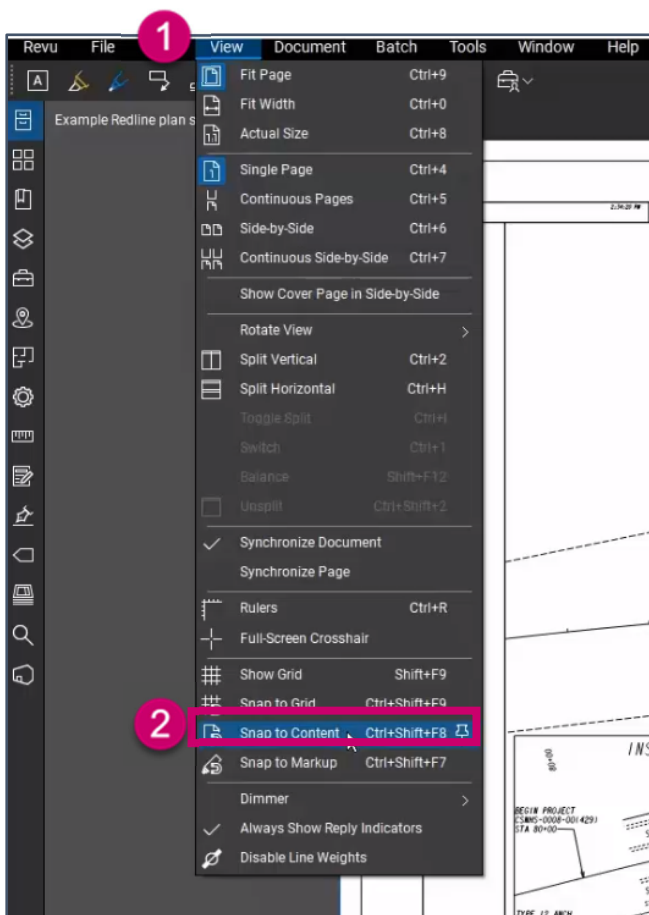


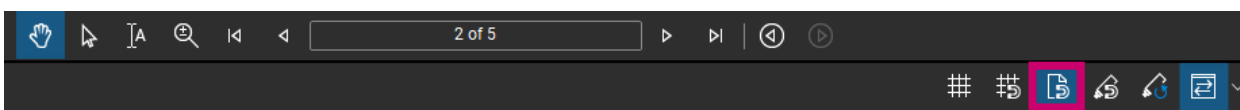
The scale and measurement tools in Bluebeam are useful to check dimensions on a drawing and perform various material estimations and takeoffs.

Snap to Content

In order to take accurate measurements on a drawing, make sure the Snap to Content option is selected by navigating to View and selecting Snap to Content:



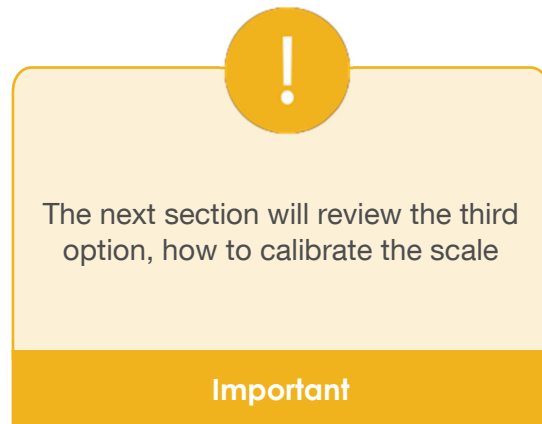
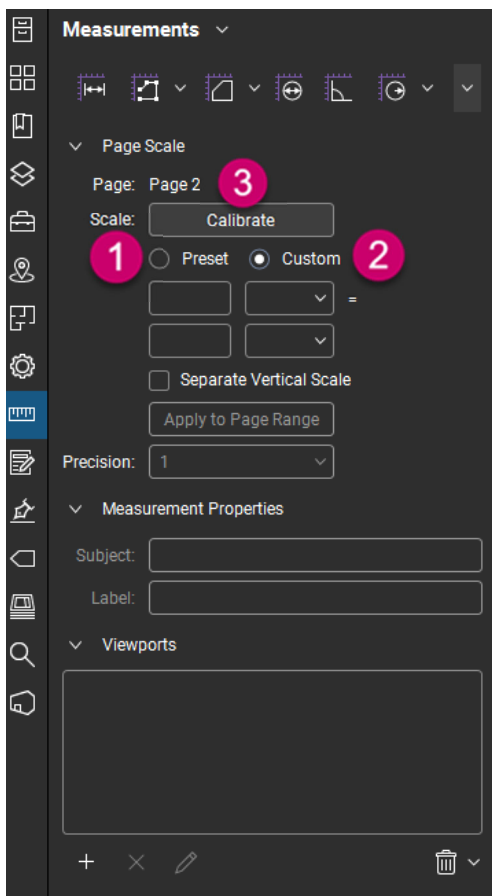
The tool is also found on the bottom navigation bar:



Measurements Icon

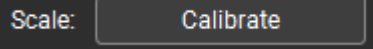
To set the scale on a document, navigate to the Measurements icon on the left panel bar. Three options are provided:

1. Enter a preset scale from a list of prebuilt scale values.
2. Enter a custom scale by typing in values into the text entry box.
3. Calibrate the scale by selecting two points of a known dimension on the drawing.



Scale Calibration

1. Select the calibrate button:

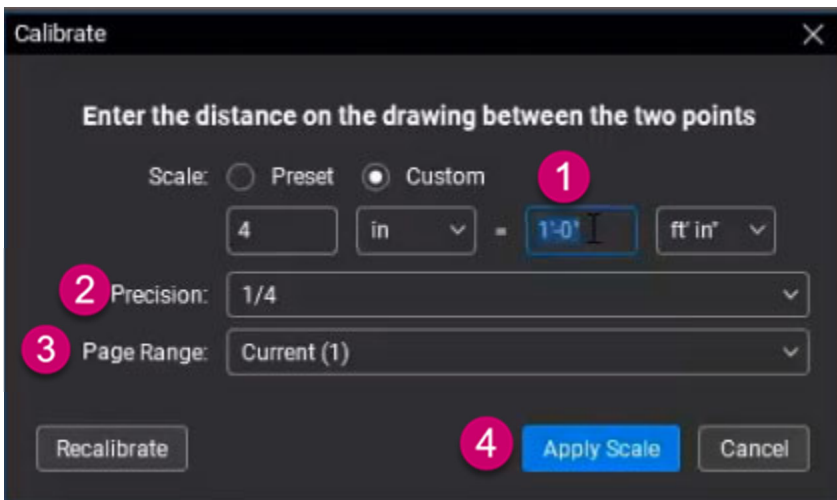


2. A screen will prompt you to select two points of a known dimension to calibrate measurement tools. Select OK.

3. Choose two points on the drawing, the scale for example. Select the bottom left most point at 0 and the bottom right most point at 200.



4. Once the cursor is released, the following calibration box will come up:



1. Type in the known dimension. In the example above, it is 200'-0".

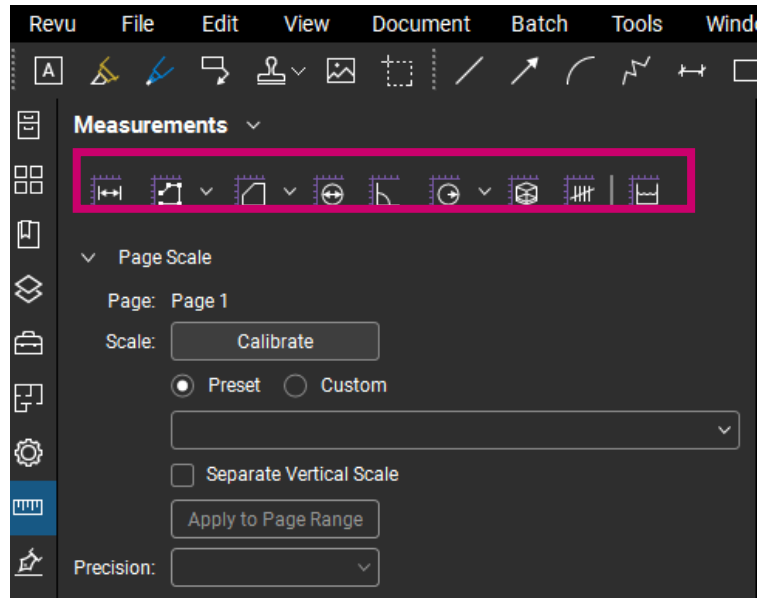
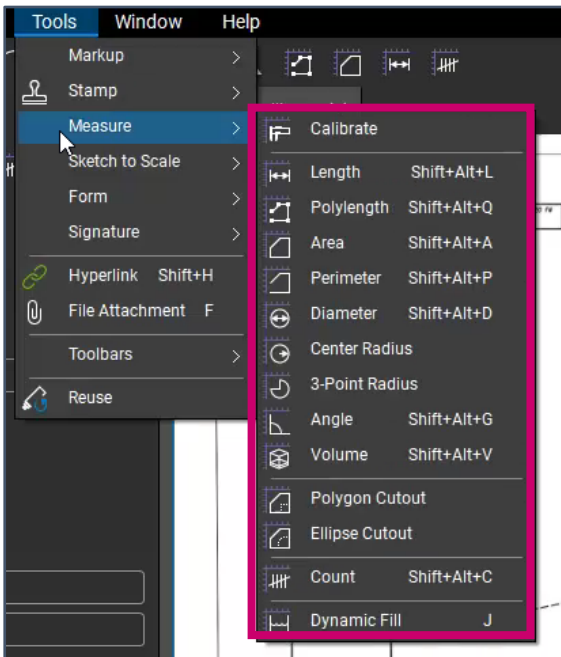
2. Choose the desired precision for measurements.

3. Select the page range to apply the scale.

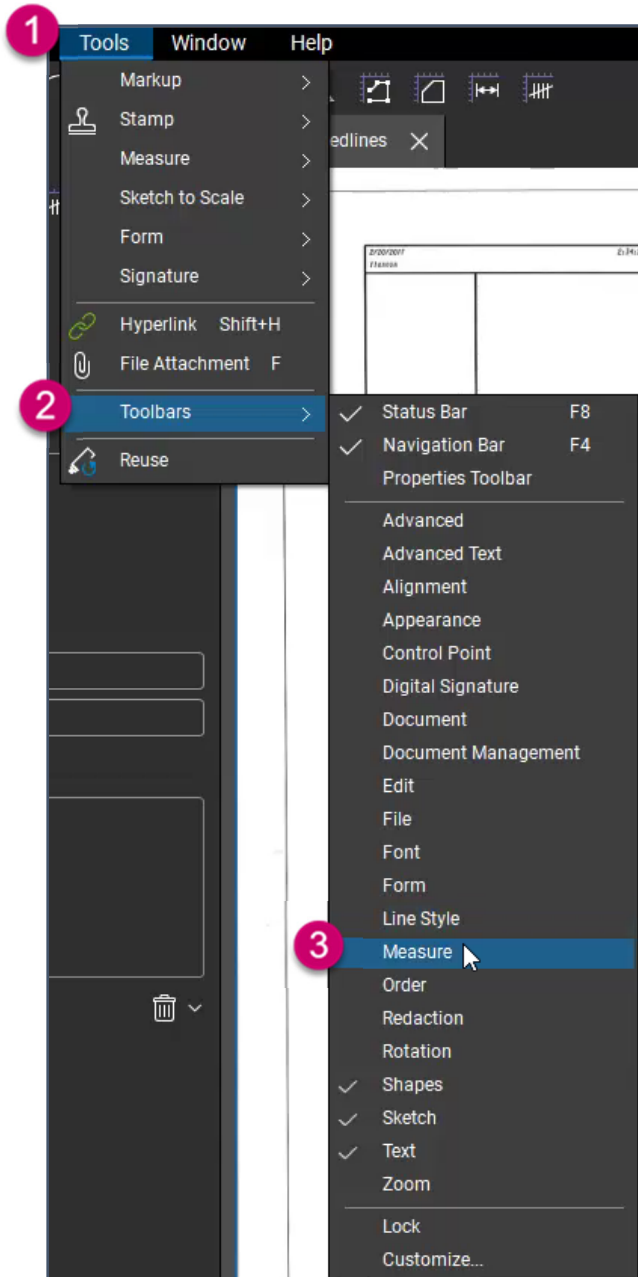
4. Once the preferred settings are confirmed, select Apply Scale.

Measurement Tools

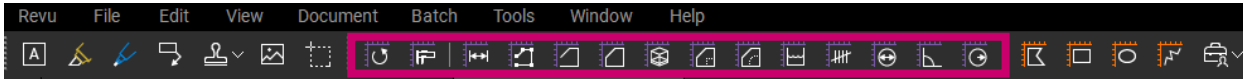
The measurement tools are found under Tools → Measure, or in the Measurements icon on the left panel bar.



A measurements toolbar can also be added to provide quick access to the tools by navigating to Tools → Toolbars and selecting Measure:



The measurement toolbar is added to the interface:



a. Length Tool



The dimension between two points on a drawing can be measured using the length tool. Select the tool and then click two points of interest on a drawing to measure the length between them. Press 'esc' on your keyboard to exit the tool.

b. Polylength Tool



The polylength tool can be used to measure the length of a polyline. Select the tool and trace the line of interest. When you are at the end of the line, double click and press 'esc' to exit the tool. The individual length segments and total length will be listed.

c. Perimeter Tool




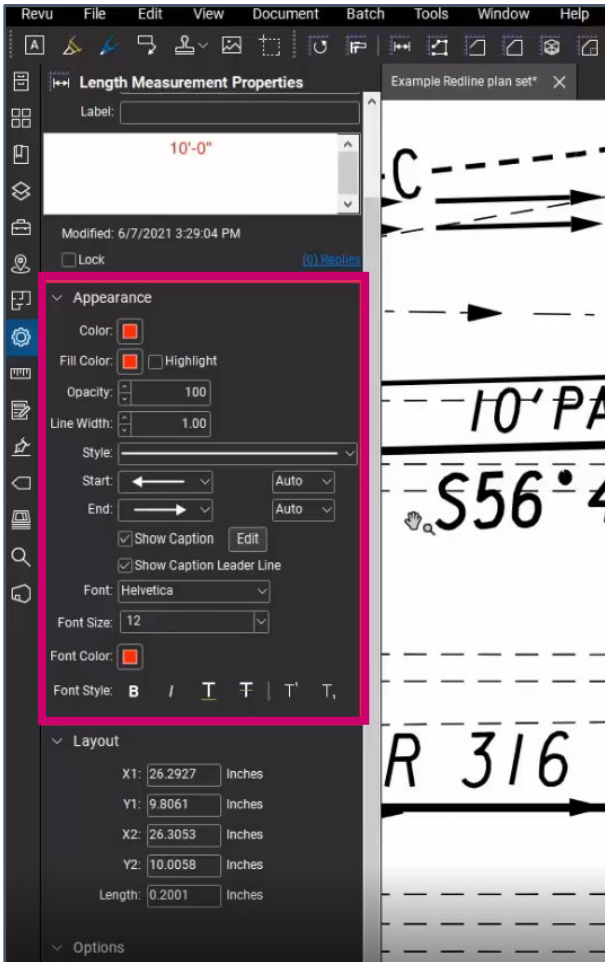
The perimeter tool can be used to measure the perimeter of an enclosed area on a drawing. Select the perimeter tool, and trace the perimeter of interest. When you connect up to the original point, a total perimeter length will be given.

d. Area Tool



2D measurement tools are also available. To calculate the are of a space on a drawing, select the perimeter tool and trace the area of interest, similar to the perimeter tool. Once the original point is connected, a total area will be given.

The appearance and style of all measurement tools can be edited under the Properties icon, , on the left tool bar, similar to sketch and text markups:



To change the location of a dimension caption, hold down Shift on your keyboard and click and drag the caption to the desired location.

Important

Finally, it is important to note that measurements are stored in the markups list, just like any other sketch or text markup:

Subject	Page Label	Comments	Author	Date	Status	Color	Layer	Space
Length Measurement	1	10'-0"	fts45869	6/7/2021 3:29:04 PM		■		
Polylength Measurement	1	212'-6"	fts45869	6/7/2021 3:30:28 PM		■		
Perimeter Measurement	2	448'-11"	fts45869	6/7/2021 3:30:53 PM		■		
Area Measurement	2	12,539 sf	fts45869	6/7/2021 3:31:21 PM		■		