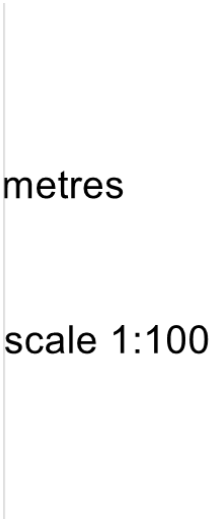
Drawing a scale bar

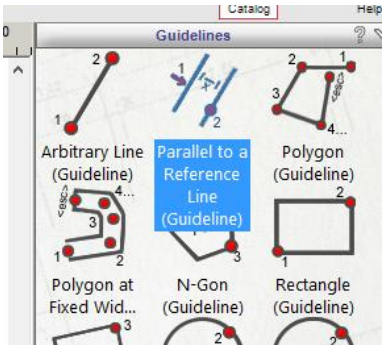
Below are a few simple steps on how to draw a scale bar in Arcon.

The scale bar below is based on a project scale of 1:100 and measurement unit set to metres.

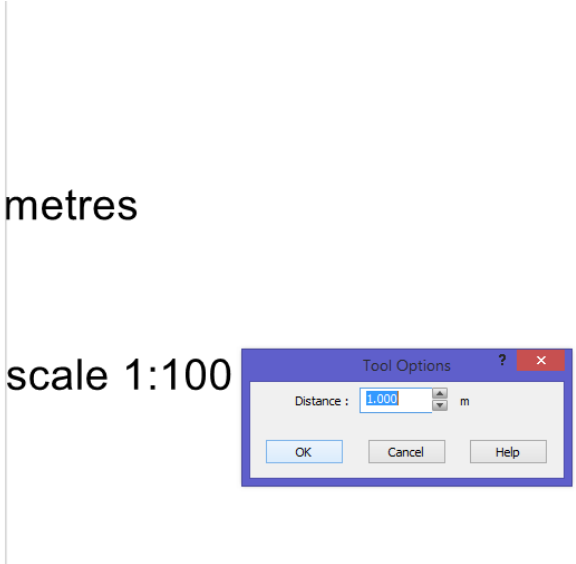
1) In 2D Construction or Plan modes, first draw a vertical guideline e.g. below



2) Select the Guideline option 'Parallel to reference line' and left click the guideline you have just placed.



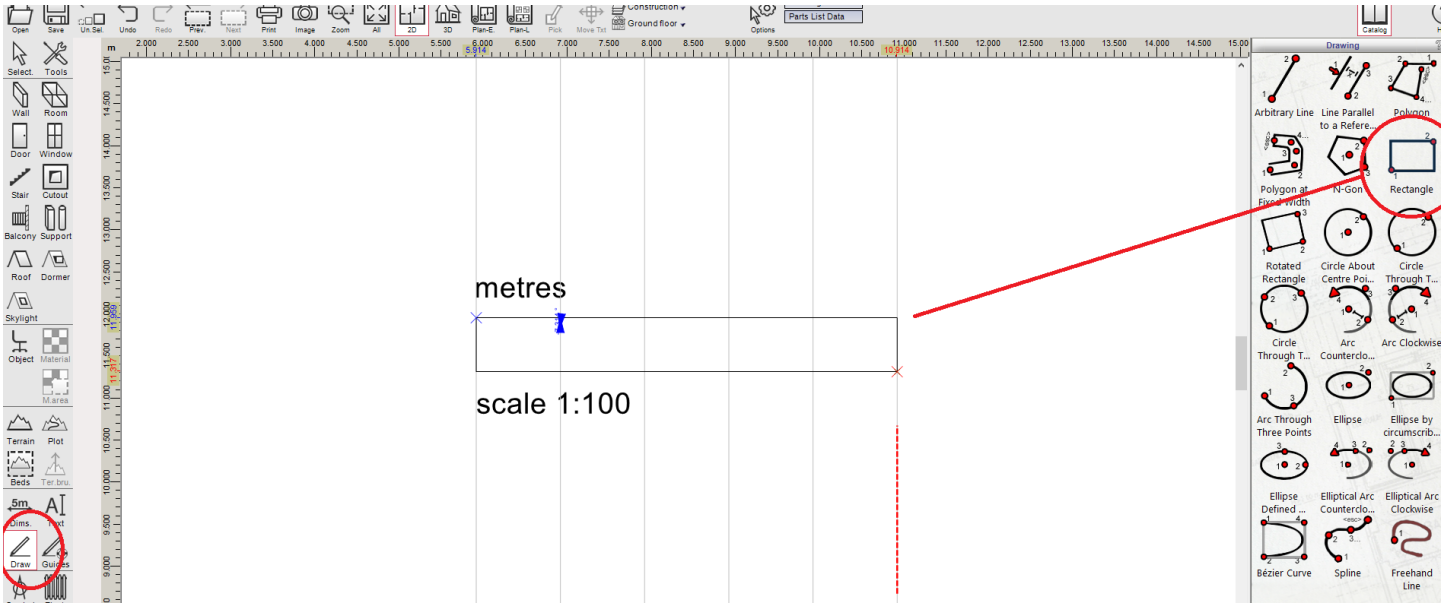
3) In the dialog that appears, enter 1m and click OK



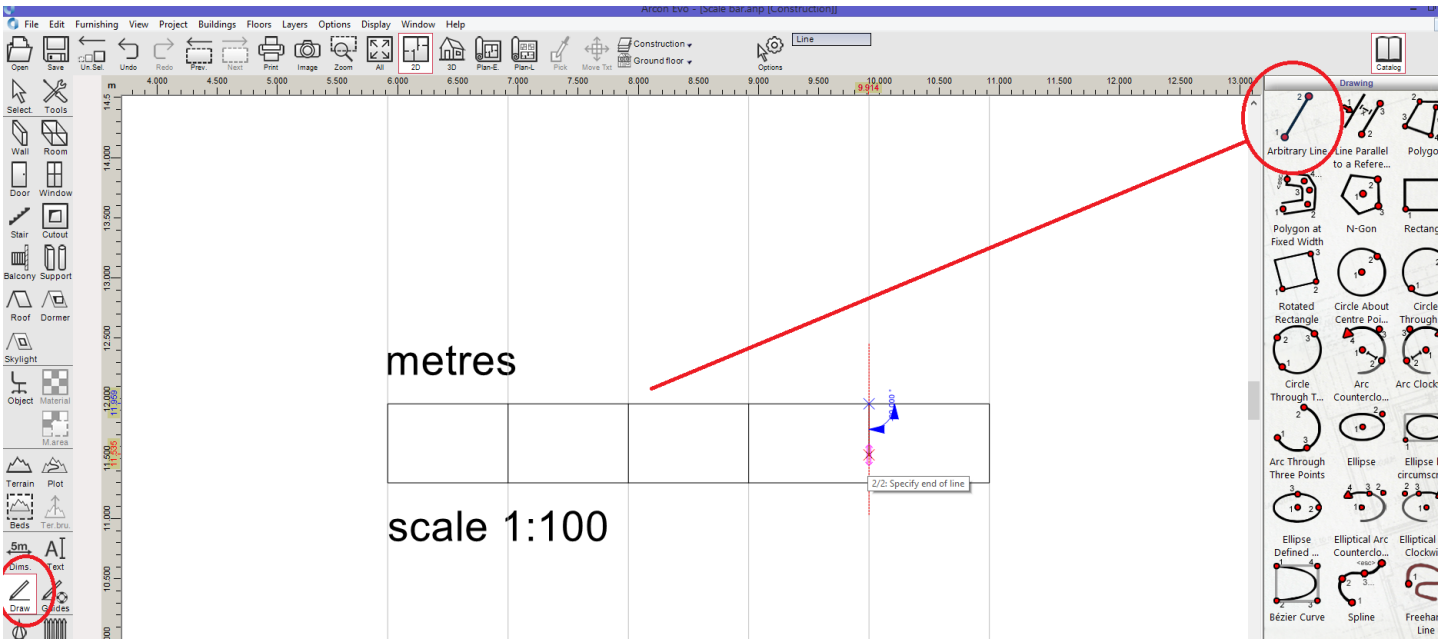
4) The guideline will display green. Position this guideline to right of reference line and second left-click to place it in position.

5) Repeat above steps and insert another 4 guidelines e.g. below. If required, take a look at the reference manual for more info on using guidelines.

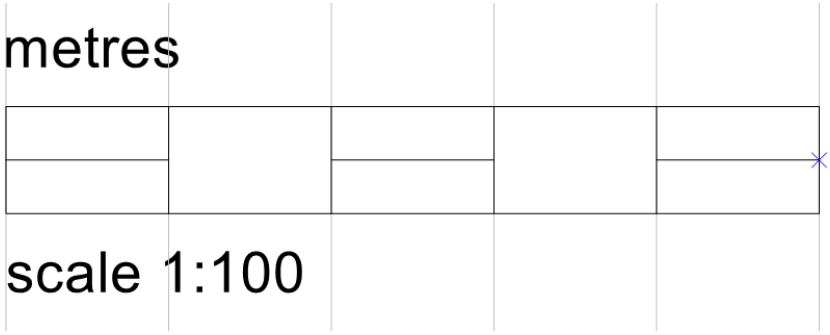
6) Next, select the 2D Drawing tool circled below and draw a rectangle shown below



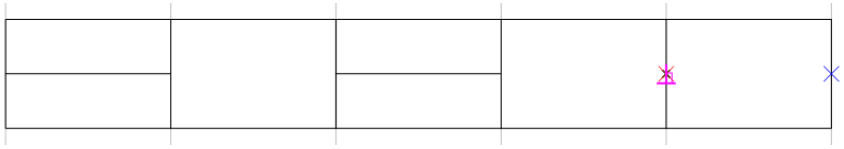
7) Select 2D Drawing tool > Arbitrary line and snapping to guidelines, draw vertical lines within box as shown below.



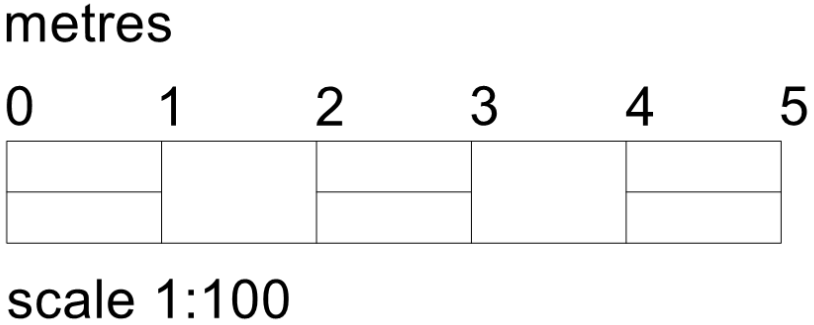
8) Using same tool, draw horizontal lines as shown below



Note, the 'triangle' symbol that attaches itself to cursor represent midway point on line

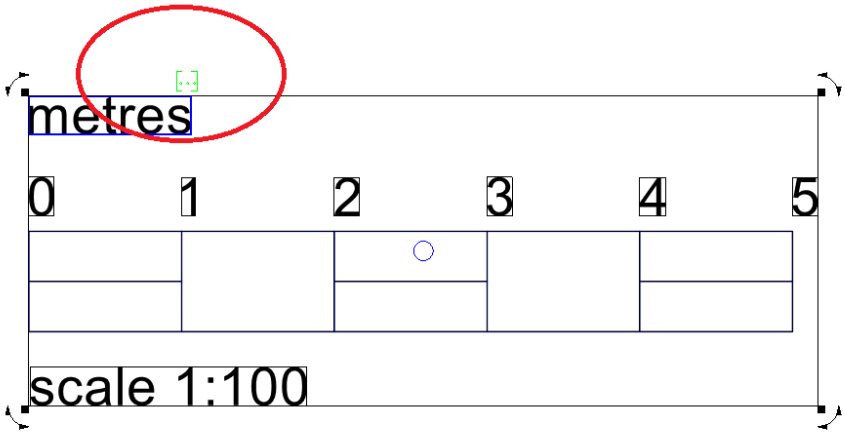


9) Next, using the text tool, add some measurements e.g. below. Turn off guidelines to see finished scale bar.



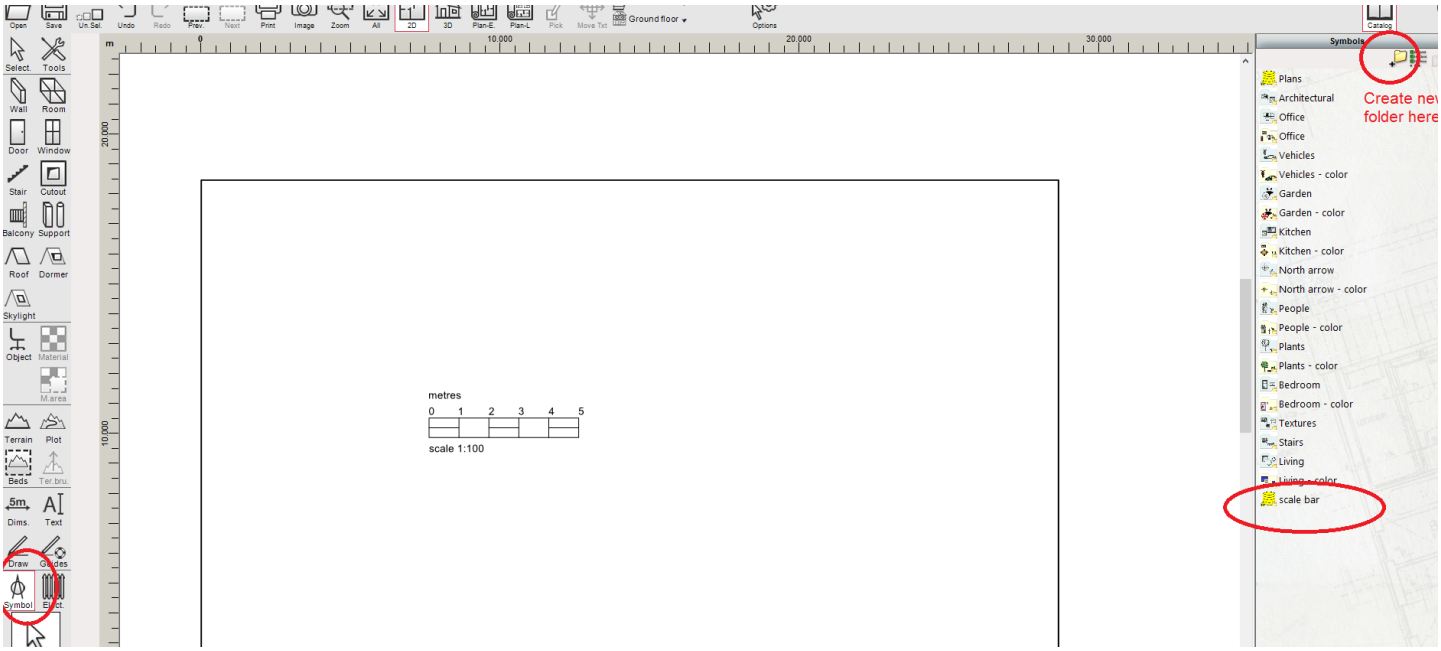
10) The scale bar drawn is just one example but you can use the steps above to design your own.

On completion you can select all the scale bar elements and group them together to make it easier to select and move on sheet for example. Group them under the 'Edit' menu or click the green 'group' symbol circled below:

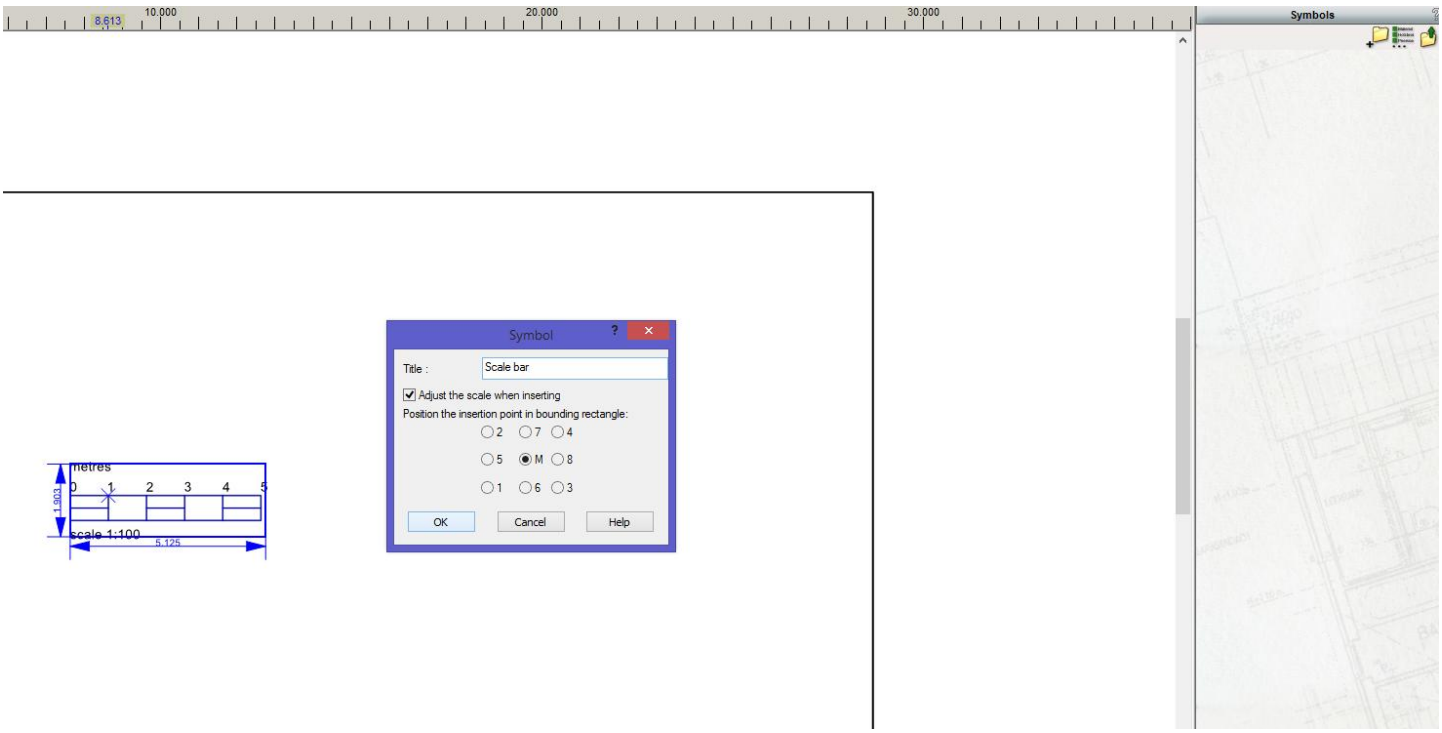


Adding Scale bar to Symbols library

1) After you have created your scale bar, you can add it to the Symbols library for future use. Select the Symbols library icon and create a new folder e.g. below

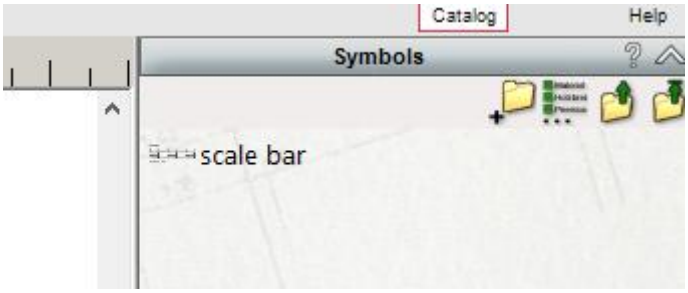


2) Click to open this folder (I have named it Scale bar) and left-click the drawn scale bar on sheet and drag it in to folder. The following dialog will appear:



Provide a name and check the box ' Adjust the scale when inserting'. Click OK.

It will appear in your symbols library 'under your folder' where you can select and drop it in to your drawing (2D Construction and Plan modes). It can also be used in future projects.



Note:

If you have e.g. your floor plans set to different scale to elevations then create separate scale bars e.g. below

East Elevation

North Elevation

South Elevation

EXTERNAL MATERIALS - all to match existing as closely as possible

Roof - antique brown / red plain tiles at existing pitch (approx. 40°) - reuse salvaged tiles on front elevation

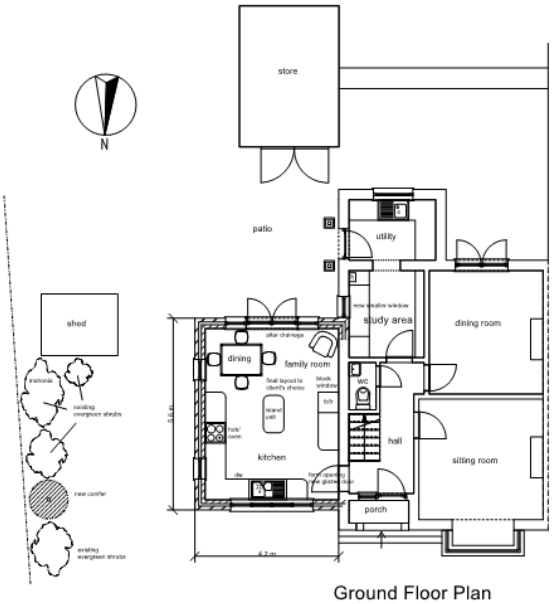
Walls - red multi facing brickwork (contrasting heads and cills)

Windows and Doors - White upvc

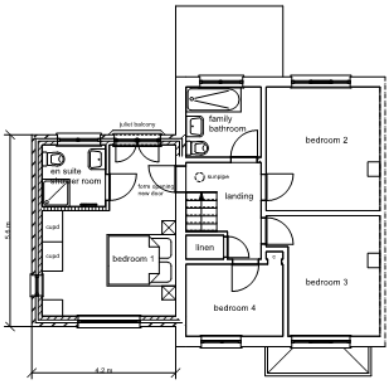
metres

0 1 2 3 4

scale 1:100 (at A1 drawing size)



Ground Floor Plan



First Floor Plan

metres

0 1 2 3 4

scale 1:50 (at A1 drawing size)

Job Title: PROPOSED ALTERATIONS and EXTENSION at RIDGE COTTAGE, SURREY, UK for MR and MRS T WILLIAMS	
Drawing Title: Detailed Design	
Architect: C. Dodge Dip Arch (Hons) RIBA	
Scale: Plans 1:50 Elevations 1:100	**Date:** March 2018
Drawing Number: CDP1418/10	

metres

0 1 2 3 4

scale 1:100 (at A1 drawing size)

metres

0 1 2 3 4

scale 1:50 (at A1 drawing size)