# Scale

All orthographic drawings (working drawings) must be drawn to scale, whether they are drawn by hand or on the computer and it is noted in the title block.

Any dimensions put on the drawing, whatever the scale, will be true dimensions. – it is only the drawing that is scaled.

A scale is a ratio and therefore has no units. Convention is that the scale of a drawing is the ratio between the drawing and the object, not the other way round

Therefore a scale of:

* 1:2 indicates that the drawing is half the size of the object
* 1:1 indicates that the drawing is full size
* 3:1 indicates the drawing is three times the sizes of the object

For your models you should be working at a scale of 1:12 which mean it is 1/12th the size

For larger buildings you should work in 1:72 scale. These sizes will enable you to purchase extras to fit in with your models to realism and effect.

# Scales recommended by BSI – 1192

On location (block plans on a map) 1:2500

1:1250

Site Plans 1:500

1:200

General Location 1:200

1:100

Component size range 1:100

1:50

1:20

Component detail 1:10

1:5

1:1

*Scales* (scale rules) can be obtained with combination of the above ratios on them and they should be used for making scaled drawings. They can also be used to check drawings on site if any additional measurements need to be worked out either off the drawing or to put extra on due to additional features added on at a later date.