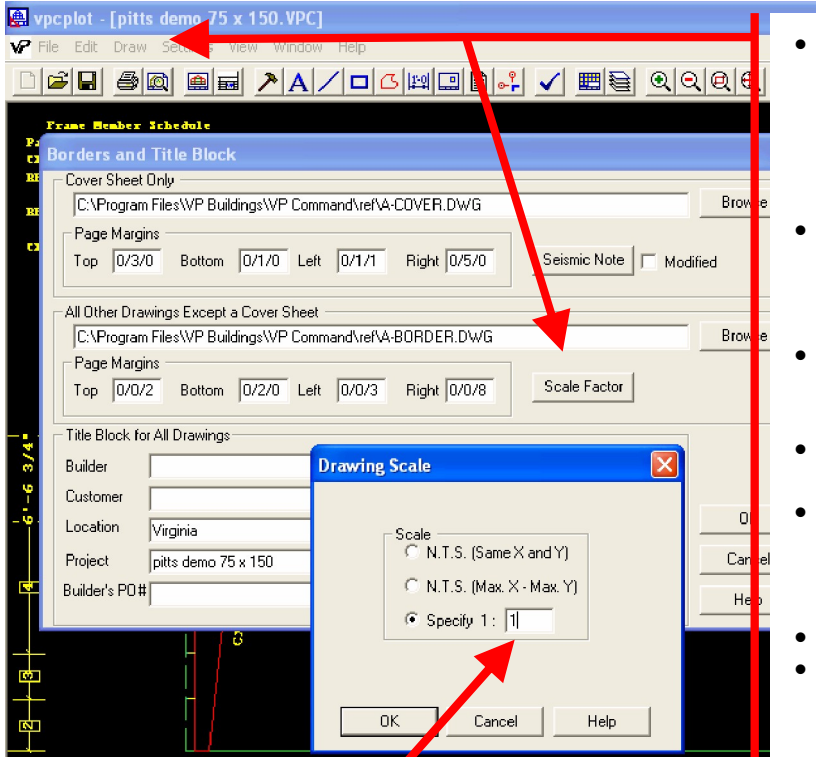


VPCCommand Tip #30 Scaling VPC Drawings

Thanks to Dave Frederick of Allegheny Construction Group in Bridgeville, Pennsylvania for inspiration for this tip. The ability to scale drawings within VPCCommand may be quite useful, especially prior to creating a “.*dxf*” or “.*dwg*” file your use in another software package.



- Open the **VPCCommand Drawing** function. As with anytime you work with drawings, the *VPC-Run* function must have completed and saved successfully.
- From the Menu select **Draw / Default Title Block** to bring up the **Borders and Title Block** window.
- Click on the **Scale Factor** button to access the **Drawing Scale** window.
- Select the **Specify** button to allow input into that field.
- See the “**Specify Factor**” *F1 Help* screen shown below for more information on input values.
- Select **OK** to accept your input.
- *Note that there are numerous Help and How-To screens available for the Drawing function just as with all VPCCommand programs.*

Specify Factor

This is a list of the most common factors:

1/16" = 192, 1/8" = 96, 3/16" = 64, 1/4" = 48, 5/16" = 38.5,
3/8" = 32, 7/16" = 27.4, 1/2" = 24, 9/16" = 21.3, 5/8" = 19.2,
11/16" = 17.4, 3/4" = 16, 13/16" = 14.7, 7/8" = 13.7, 15/16" = 12.8

The user can manually determine the scale factor by converting the drawing scale to a ratio of 1:*n*. This ratio compares plotted units to drawing units. You can multiply your sheet size by the scale factor to calculate the limits of your drawing. For example, if you plot at a ratio of 3/4" inch = 1 foot. You would calculate the scale ratio 16 as follows:

$$3/4" = 12/x$$

Cross multiply. (3X = 48)

Divide both by 3 to get X alone. X = 16, therefore the factor is 16