

See shaded instructions on back for customizing of shaded function key labels.



Cut off along this line.

Object option of VPOR TS

command turns any closed shape into a viewport.



ACAD 2000/LT

PSPACE/PLOTTING

Autodesk Inc. (TM)

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PAPER SPACE (LAYOUTS) TIPS

1. Save your "VIEW" in each viewport so that you can recover from certain accidental changes in the viewport's zoom or pan position.
2. Create **LAYERS** for each viewport in which you want to dimension.
 - Place all dimensions for the **PLAN** viewport on this layer.
 - Place all dimensions for the **FRONT** viewport on this layer.
 - Place all dimensions for the **SIDE** viewport on this layer.
 - Remember to set "DIMSCALE" to 0. (Dimstyle, Fit tab, Scale for Dimension Features, Scale dimensions to layout (paperspace))
3. "VPOR TS" creates 1 to 4 viewports correctly set for "2D" or "3D" drawing layouts.
4. Set "VISRETAIN" to 1, to ensure that XREFs brought in to a paper space drawing don't have all the layer settings revert back to the XREF drawings' layer settings. Major time losses can occur resetting layers if VISRETAIN = 0.

Logic chart for dimension layers


Layer	VPOR T	Plan	Front	Side	ISO
Dim _s Plan	✓	✓			
Dim _s Front			✓		
Dim _s Side				✓	

VPOR T	Plan	Front	Side
Plan	✓		
Front		✓	
Side			✓

Drawing VP Layout

Plan	Iso
✓	
	✓

Dimensions here

5. The key steps in working with Paper Space Layouts consist of:
 - Use "Layout/Model" tabs at your screen bottom to select model space or paper space layouts.
 - "VPOR TS" creates viewports in a Layout. "MView , Hideplot" removes hidden lines.
 - When a Layout tab is active, you can quickly move between paper and model space by:
 - a. Double left clicking in the paper area for Paperspace or viewport areas for Modelspace.
 - b. Single left clicking on the "Model/Paper" toggle button on the status bar at your screen bottom.
 - 6. Use Grips to conveniently adjust the viewport sizes or to relocate viewports.
 - 7. Use "PAN", not "MOVE", to re-position the model in a viewport. "PAN" does not affect other Viewports.
 - 8. "ZOOM" 1/100xp sets the plot scale in a viewport to 1:100. Always plot from Paperspace at 1:1 plot scale.
 - 9. When dimensioning, set "DIMSCALE" to 0. (Dimstyle, Fit tab, Scale dimensions to Layouts).
 - 10. What goes in Paper Space and Model Space? 
 - 11. "ZOOM" in paper space on model space details so as not to change the plot scale. Return to Modelspace to edit.
 - 12. Use the new layers "Noplot" setting for the Viewports layer, to view on your screen but not print on the drawing plot.



Model	Dim _s	Notes	Title	Border	Vports
PS				✓	
MS	✓		✓		✓

Where does it go?

13. Layer Manager (LMAN) saves various combinations of layers in the viewports to suit different plotting purposes. (e.g. customer version, designer's version, carpenter's version, machinist's version, etc.)
14. When RENDERING to a File for placement on top of a viewport, check the size of the viewport with the "LIST" command. Use the size shown in inches, multiply by 100 and set a custom pixel size for your rendering File accordingly. This will create a raster "IMAGE" that fits exactly (proportionally) over the viewport when stretched.
15. To make multiple copies of an object (labels) place it in a small viewport, then "COPY" or "ARRAY" the viewport.
16. Use "PLAYER" command to quickly freeze a new dimension layer in many viewports at once.
17. Set "PLSTSCALE" to 1 and "LTSCALE" to 1, to ensure that broken lines will show correctly in each viewport.
18. "VPCLIP" converts any viewport to any closed shape (ellipse, polygon, circle, etc.)



Use scale factor setting on Viewports toolbar to set each viewport's precise plot scale.

CTRL R will toggle you between viewports when they overlap or sit on top of others.



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PLOTTING TIPS for AUTOCAD 2000 and LT2000:

1. Use a Plot Style Table **MONOCHROME.CTB** (.STB) for output to black and white printers; **ACAD.CTB** (.STB) for colour output.
2. Increase the Graphics, Raster Graphics setting in a printer's **Custom Properties** to set higher quality output for your raster images.
3. Layouts (Paperspace) always plot at 1 to 1 so that you can set accurate plot scales in each viewport with the VIEWPORTS toolbar.
4. **CONVERTSTYLES** will convert a drawing from one plot style to the opposite. (requires ACAD2000 Migration Assistance)
5. **CONVERTCTB** converts a drawing from color dependent to named plot styles. (requires ACAD2000 Migration Assistance)
6. Plot to the DWFePlot for e-mail attachment and provide your client with a quick, quality view of your work with a web browser.
7. Previous successful drawing layouts can be imported from other drawings with the AutoCAD 2000 Design Center tool.
8. **PSETUPIN** imports named page setups from other drawings where you have saved named Page setups in the Printer dialogue.
9. Think of **Named plot styles** as being the same as **Color plot styles** except you might use "FATRED" instead of color number 3.

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