

Digital Canal Corporation

Solution Papers

Summary: *Creating Overlays*

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Overview: This solution paper will walk you through the steps to setup overlays (which is a printout of more than one drawing on the same page). For this example, we will create an overlay with three different drawings including a 3-D model, a working drawing (2-D drawing) and a detail or section drawing (2-D drawing also). But before you go to Print, you must have a border created and the working drawings must be saved as a separate file. If the working drawings are not disconnected from the 3-D model, you are not able to select that 2-D drawing in the overlay setup.

Solution:

Saving Working Drawings that are Attached to 3D Model

1. Open up the model that has a working drawing attached to it, one that you want to print.
2. Select Window and select the Working Drawing, then select All for the Layers to make visible.
3. Select File → Disconnect 2-D drawing.
4. The Comment dialog box displays.
5. Click on OK.
6. The Save As dialog box displays.
7. Type in the name that you want to call the drawing and select the folder you would to save it in. Now that Working Drawing is saved as a *.WD file (2-D Drawing).
8. Repeat the same steps for all the working drawings that you want to print out as an overlay.

Setting up the Overlay Information

1. Select File → Print.
2. The Print Options dialog box displays.
3. To create Overlays you need a border drawing.
4. Click on Use an existing border drawing.
5. Click on Select.
6. A dialog box displays with some border drawings.
7. Select the one you want to use and then click on Open.
8. Toggle on the Create Overlays option.
9. Now we can add the drawings that you want to print out on the same page.
10. Click on Add.
11. A dialog box displays with a list of drawings. (You may have your drawings stored in a different folder so you can click up one level to find the drawing that you want to print).
12. Select a 3-D model (which is a *.drw file) and then click on Open.

13. It takes back to the Print Options box and that drawing is be highlighted. Below that, you can select the Scale and the Render.
14. Select the Scale option and click on Apply and do the same for Render. If the drawing is 2-D, just leave Render to Normal. This only applies to your 3-D models.
15. Then click on Add to select another Working Drawing that you want to print with the first drawing you selected.
16. Select a Working Drawing and click on open. Scale that drawing and click on Apply.
17. Click on Add and select another Working Drawing.
18. Select a scale and click Apply.
19. After you have all the drawings selected you want to print out, click on OK.
20. The Model Information dialog box displays.
21. Edit the fields to what you want to print out on your Titleblock.
22. Then it asks where you want the drawings positioned on you paper in the command line.
23. If you used Best Fit for one of the drawings, draw a rectangle box to where you want that drawing placed and how much space you want that drawing to cover.
24. If you scaled the drawing, the rectangle box is predefined, so move the box to where you want that drawing placed.
25. When you are positioning the drawings, make sure you are within the drawing area represented by a blue box or else it prompts: Invalid Area
26. It will also throw a flag up if the scale that you choose does not fit on that paper size or border size selected, you may then rescale or resize that drawing.
27. Click on Done if everything is in the right place or you can select an option to reposition them.