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Solution Papers

Summary: *Importing Titleblock or Logo from AutoCAD*

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Overview: The following procedure below will take you through the necessary steps to import a titleblock or a logo from AutoCAD in a DXF format to use as a border in SolidBuilder. Before going through this procedure, you should have an understanding of how borders (titleblocks) work in SolidBuilder.

Solution:

Steps in AutoCAD:

1. Open the titleblock or drawing you want to import into SolidBuilder.
2. Scale the drawing to full size (1:1). If the titleblock is for D-size paper (24x36) then it should measure in AutoCAD approximately 22x34 (it needs to fit inside the actual paper size).
3. Turn off or delete the text you need to edit or change in SolidBuilder for each new project such as customer name, job name, date, etc. So you can leave on the text that will never be changed or edited (company name, address, phone).
4. Save the file as a DXF.

Steps in SolidBuilder:

While going through these steps, you may want to click on **View/Align Cursor**. Then anytime you cannot move the cursor while in a command, click on View and the Align button from this dialog box.

1. Select **File/Import DXF** to open the titleblock.
2. Click on Browse to find the file. Change the text font to the font you want to use.
3. Click OK and click Yes to rotate in X-Y axis. Click on Plan View.
4. Select **File/Cad Menu**.
5. Select **Structure/Convert/Text Lines to Objects**. Right click and select Fence Inside. Draw a window around all the text and then left click to accept.
6. Select **Structure/Convert/Symbols to Block/Objects**. Right click and select Fence inside. Draw a window around all the whole drawing and then left to accept. If nothing appears, then press Esc to get cancel the command.
7. Select **Structure/Select/Root**. Nothing will happen, you can just go onto the next step.
8. Select **Structure/New/Object**. Type in a name for the object (title).
9. Select **Structure/Relocate/Primitives**. Right click and select Fence Inside and draw a window around the whole drawing. Everything should turn red, left click to accept. Now look in the bottom right corner and you need to press your left/right arrow key on the keyboard until it says what you called the new object (title). Once you see the object name, press Enter. This relocates or moves everything under one object.
10. Select **Geometry/Axis and Base Point/Set Base Point/Object**. Click on the border/logo and then press "E" and click in the bottom right corner. This is where the object will be inserted from.
11. Now we have to save this in SolidBuilder.
12. Select Tools→Toolbars→Edit, Select Developer, Click OK.
13. Click Open in the developer toolbar; change Files of Type to EX. And open sbstart.ex
14. Click on Execute File (!). This will open Solid Builder back up
15. Click on the Symbols icon and then select **Insert/Furnishing**.
16. Select a Library and Category. Click on **Add** button and select Plan, type in a name (no spaces and maximum of 8 characters), and select Free.
17. Click on the titleblock/logo. This will save it as a symbol so you can insert it into a SolidBuilder border drawing.

18. Select **File/New** and select Border. Type in a name and select the paper size. You can also change the default size (same as your autocad border). Click on Finish and select No to saving the current drawing. You should now see a rectangle which is the actual border line created from SolidBuilder.
19. Click on **File/Cad menu**.
20. Click on **Structure/Model/Insert** and find the library and symbol you saved it as. Click on the symbol and then click Next. Click on *Object* and type in *X90Y0Z0* for the rotation angle. Select Finish.
21. Press "E" and click on the bottom right corner of the rectangle on the screen, or click where you want it placed.
22. If you imported a logo, you can rescale it by selecting **Geometry/Scale/Object**.
23. If you imported a border then select **Structure/Tree**. Right click on "*bigrect*" and select delete. Click on Done. You do not need to do this if you imported just a logo.
24. Click on Execute File (!). This will open Solid Builder back up.
25. You can now insert any other text or linework to be included in the titleblock.
26. Select **File/Save** and draw a rectangle inside the border window to define the drawing area.
27. The drawing is now saved as a SolidBuilder border and is ready for use when printing.