Creating Title Blocks in Pro/Engineer

2 different ways to bring a title block into a drawing:

✓ Placing title block in the existing drawing

✓ Making a general format for different drawings

Title Block in existing drawing

First step – opening existing drawing: *File/Open/directory/filename* (or creating the a new one):



Existing drawing appears (or placement of views in the new drawing):



Cleaning space for the title block by selection of a view (mouse left button click) and its moving in the area of drawing. The goal – to get enough space for the title block in the lower right corner.

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New placement of the views. Space for the title block is ready.

Using "Sketch" tools: Selection of the "Line" tool and drawing of the title block.



Resulting title block. The form is fully defined by a drafter and should comply with the rules adopted in the company. To finish drafting – Middle Button click somewhere in the area of the drawing.



To fill the title block simple "Insert Note" option of the main menu is being used:



Selection of type of notes in Menu Manager (Default options: No Leader, Horizontal, Default justification – Make Note):

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In title block, similar to regular notes, we can fill the lines with letters, numbers and symbols, followed by the mark.sign:



First note inserted (default letter size).

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The notes can be modified. Right Button click of the mouse: select option "Properties" in the menu.





Note properties window appears. Bookmarks: Text & Text Style.

Select the bookmark with the Text Style window. We can change here the font, letter height, line thickness, width factor between the letters.



Modification of text parameters, for example, height of the letters: from 0.156250 to 0.25".

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Result: Modified style for one note.



The note can also be moved in the drawing area into any other position (Left Button click & hold).

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We continue filling the cells, and finally get the following title block relating to the given drawing.

Modification of the styles of different notes (including modification of width - WidthFactor):

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Finalized title block for the specified drawing.



This title block is used only once, in this particular drawing, and cannot be used nowhere else.

Creating universal drawing format, including a title block.

Starting new format file (file name *Drawing_format*) & sheet selection for this format:



"Line" tool selection and drawing title block template, similar to the earlier considered case:



Format with title block template ready. To finish drawing of the title block – Middle Button click somewhere in the area of the drawing.



Filling universal notes in the title block, which are general for all drawings of the project (*Insert – Notes … Note Types…*)

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After filling the title block and modifications of the inserted texts we get the general title block template (**NO** title name, tolerance values, scale, drawing #, etc):



The template contains only notes and note parts common for all drawing which will be using this format. Each specific drawing will need its own additional set of notes belonging to that particular drawing.

Now, after finishing the title bock template we save the drawing format

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and close the drawing format window (*Window – Close*) in the main menu:



The drawing format is ready.

Next step is to create a drawing with the obtained format. First, we open the part, which drawing we want to produce:



Now let's create a new drawing file without using a standard template.



Open *New – Drawing*. *Use default template* option is deselected. We get the format selection window with the default option of empty drawing without any format (*Empty*). Since we want to use the format, created earlier, we switch to the option of empty drawing using recently created format with the title block (*Empty with format*).

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Here, in the open format, we can create now a new drawing for the solid model opened previously:



We insert needed views on the template, and add necessary note elements to the title block.



Again, for this we can use letters, numbers and symbols:



The resulting title block of the drawing:



All relevant information has been added to the drawing in its title block – title, scale, tolerance, drawing number. Now we can save the draft of the final drawing with its own format obtained from the general format.



The same general format with the title block template can be used for other drawings of the project as many times as needed.