

Lesson: Customize a Drawing

In this lesson, you'll learn how to customize a drawing's title block.

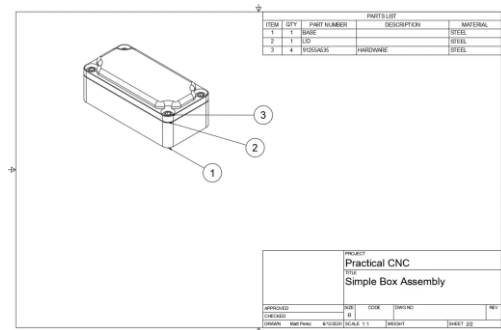
Learning Objectives

- Demonstrate how to make a custom title block.
- Use a custom title block for a new drawing view.

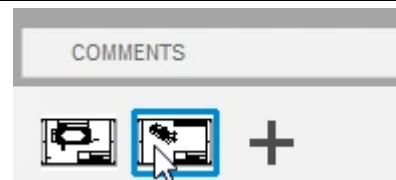
PROJECT Practical CNC			
TITLE Simple Box Assembly			
SIZE B	CODE	DWG NO	REV
SCALE	MATERIAL Steel	SHEET 3/3	

The completed exercise

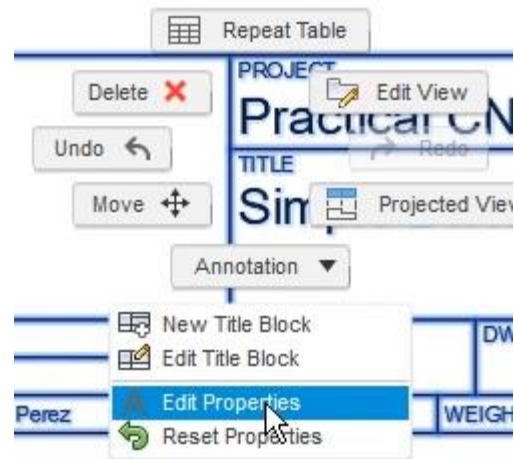
1. Continue with the *Simple Box Assembly Drawing* file from the previous module.



2. Make sure you are on the drawing's second sheet with the assembly. If you need to navigate to the second sheet, click the second icon in the screen's lower left corner.



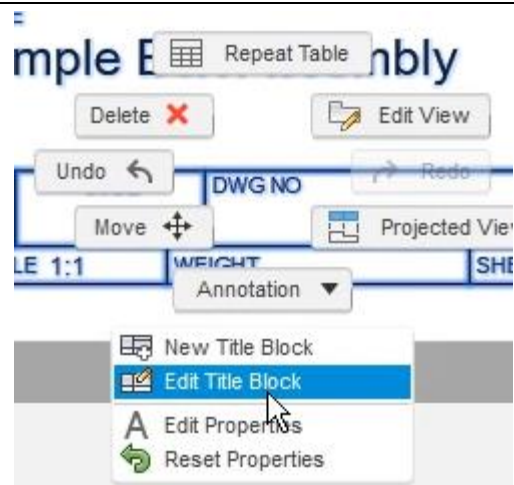
3. The sheet's title block needs to be modified. To enter properties into a title block, click the title block, right-click it, then choose the Edit Properties option from the Marking Menu.



4. Click the placeholder in the Drawing Number field, then enter **1001**. Press the enter key on the keyboard. After you finish replacing the placeholder, click Finish Properties in the Properties dialog. This will return you to the normal sheet view.



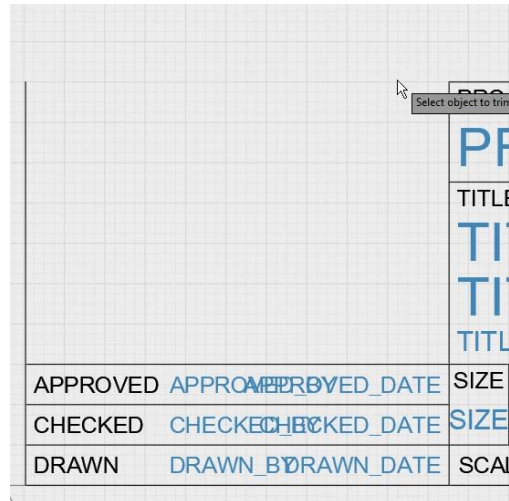
5. If the title block's geometry needs to be modified, select the title block, right-click it, then choose the Edit Title Block option from the Marking Menu.



6. In the New Title Block dialog, make sure the From Existing option in the Source section is selected. Change the title block's name to ANSI_TITLEBLOCK NEW, then click OK.



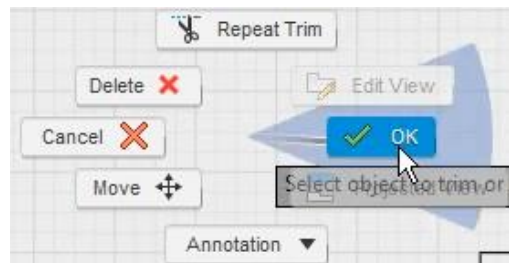
7. The existing title block is opened in a Title Block tab and the relevant tools populate the Toolbar. Not only can the text be edited in this tab, but the title block's geometry can also be edited. Click Modify> Trim. Select the large open cell's top line to trim it.



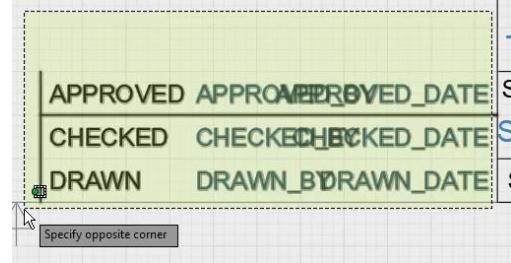
8. Use the Trim tool to remove additional lines from the title block's left side. Some lines cannot be trimmed because they are not intersected by another line.



9. After trimming all the entities you want to trim, right-click in an open area, then click OK.



10. Box select the remaining entities on the title block's left side. Press the Delete key to remove these selected entities.



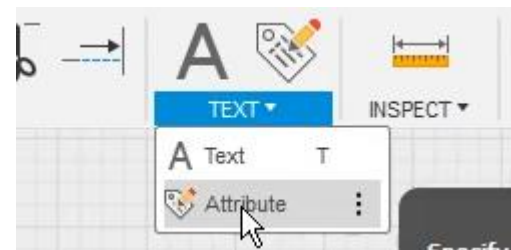
11. The title block's extra cells have been removed and the title block's geometry is cleaned up. Select and delete the Weight placeholder.



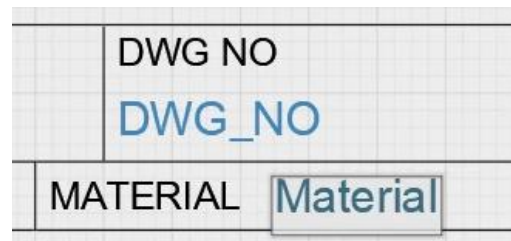
12. Double-click the WEIGHT name to edit it. Replace WEIGHT with **MATERIAL**.



13. A new placeholder can be added into the cell by clicking Text> Attribute.



14. Place the attribute next to the MATERIAL name you entered in Step 12, then choose the Custom option from the dialog's Attribute menu. Change the attribute's text to **Material**. Click the dialog's Close. Once you finish modifying the custom title block, click the dialog's Finish Title Block.



15. Notice that the updated title block is shown in the drawing's sheet.

PROJECT			
Practical CNC			
TITLE			
Simple Box Assembly			
SIZE	CODE	DWG NO	REV
B			
SCALE 1:1		MATERIAL	SHEET 2/2

16. Select and right-click the title block. Choose the Edit Properties option from the Marking Menu.



17. Click the Material attribute and change it to **Steel**. Click the dialog's Finish Properties.

DWG_NO	
MATERIAL	Steel

18. The Steel text might not have been inserted into the table. If the new material does not populate the table, edit the table's properties again.

DWG_NO	
MATERIAL	SH

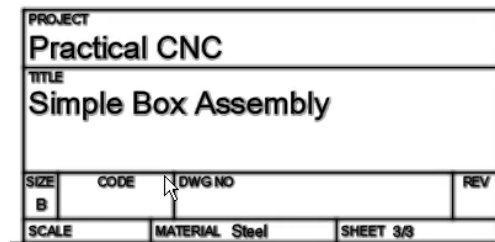
19. Change the Material attribute to **Steel**, then press Enter. After pressing Enter, click the dialog's Finish Properties.

DE	DWG NO
MATERIAL Steel	

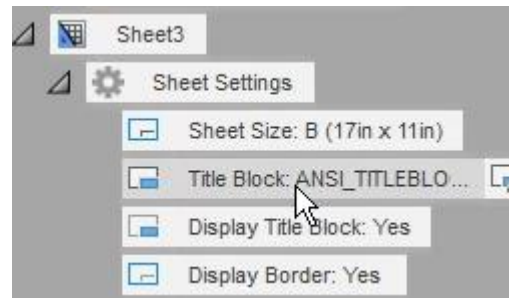
20. Add a new sheet to the drawing by clicking Quick Add in the sheet's lower left corner.



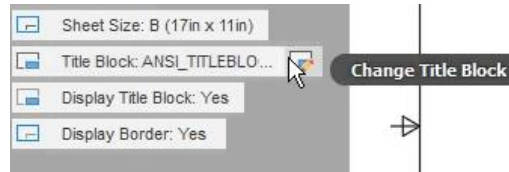
21. By default, the new sheet will continue using the custom title block.



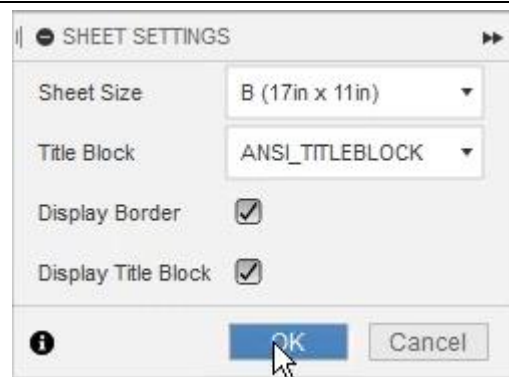
22. In the Browser, expand the Sheet Settings and note that the Title Block is set to use the custom title block.



23. To choose a new title block for this sheet, click Change Title Block in the Browser.



24. In the dialog, choose the ANSI_TITLEBLOCK from the Type menu. Click OK to apply the changes.



25. The sheet is updated to include the original title block. Revert the title block to the custom ANSI_TITLEBLOCK NEW. Save the file and continue to the next module.

		PROJECT		
		Practical CNC		
		TITLE		
		Simple Box Assembly		
APPROVED	SIZE	CODE	DWG NO	REV
CHECKED	B			
DRAWN	Matt Perez	6/12/2020	SCALE 1:1	WEIGHT
			SHEET 3/3	