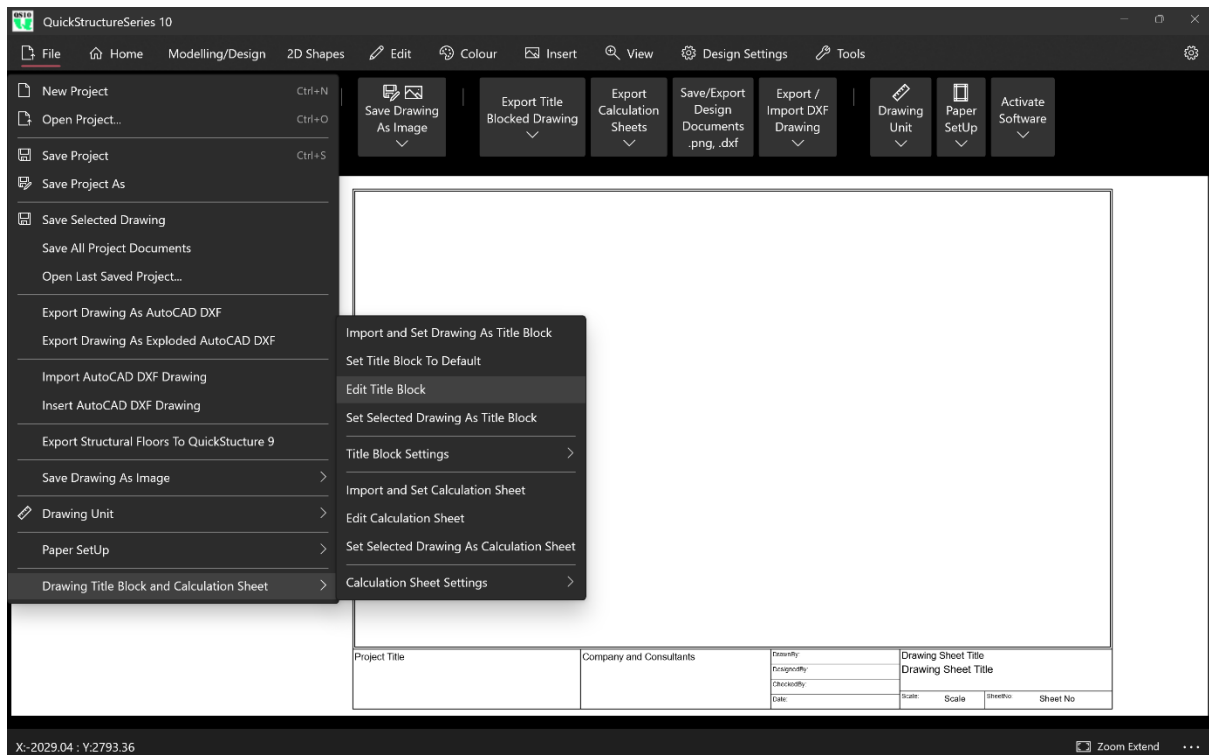


QUICKSTRUCTURE 10

TUTORIAL | PART 9

EDITING TITLE BLOCK



The Title Block

The Title block can be modified to suit your design needs. It is advisable to work with the default title block at the beginning of your learning so that you see how it works before editing or creating your own title block.

If you are working with the default title block, you can enter the title block information from the automatic design setting as we have done in the previous manual we have done.

The aim of this tutorial is to show you how you can take total control of the default title block and make it to suit your specific design needs.

You can open the default title block and edit it. All aspect of the default title block is created with the basic graphics tool in the software. You can edit all the shapes in the title block, and you can add more shapes if you want.

You can also import your own title block from AutoCAD DXF, edit it and set it as default title block.

QS10 opened the title block so that you can make it your own. After you edit or create your own title block, you can save it in a file so that you can always import in another project and use it. You can also share the title block.

In this tutorial we will talk about different ways you can edit the title block. Some of the things we will do will also apply to the calculation sheets.

Before you continue this manual, it is important that you go through part 8 of QS10 user guide.

To display the Default Title Block

- Click File, click Drawing Title Block and Calculation Sheet and click Edit Title Block

The Dimension

Project Title		Company and Consultants		DrawnBy:		Drawing Sheet Title	
				DesignedBy:		Drawing Sheet Title	
				CheckedBy:			
				Date:			
				Scale:		Scale	SheetNo: Sheet No

- The default title block is A3 Landscape (38000mm X 26000mm)

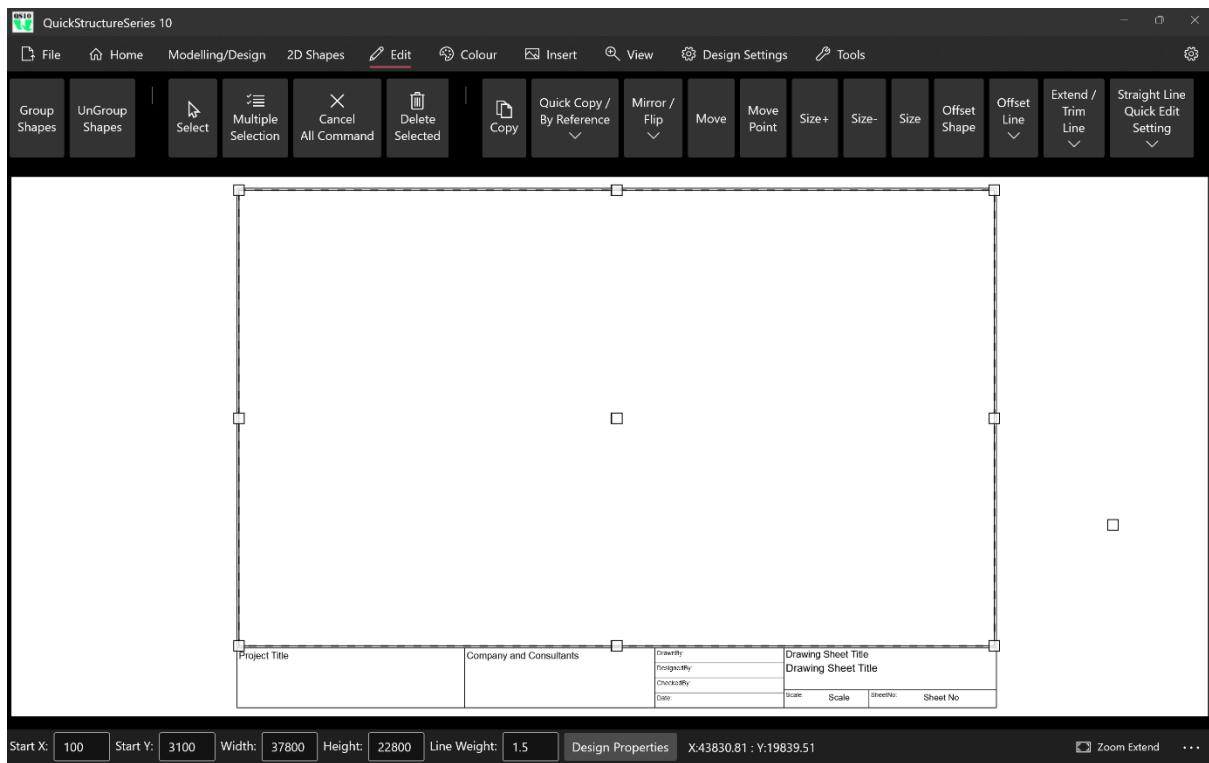
Standard A3 paper is 42cm x 29.7cm, but the title block is in mm. In the software we use (38000mm X 26000mm) allowing space for margins.

- When it comes to the dimension of the title block, the software will use whatever dimension you have. You can try your dimension and see how it comes across and make changes along the way.
- The dimension we used is roughly based on A3 landscape. We deducted a margin of 4cm from the standard A3 Size. $(42-4, 29.7-4) = (38\text{cm}, 26\text{cm})$, that becomes 38000 x 26000mm. You can use this method to formulate any other paper size you want. Is kind of the same method we used in QS9 Title Block.

The most important objects of the title block

1. Title Block Main Rectangle

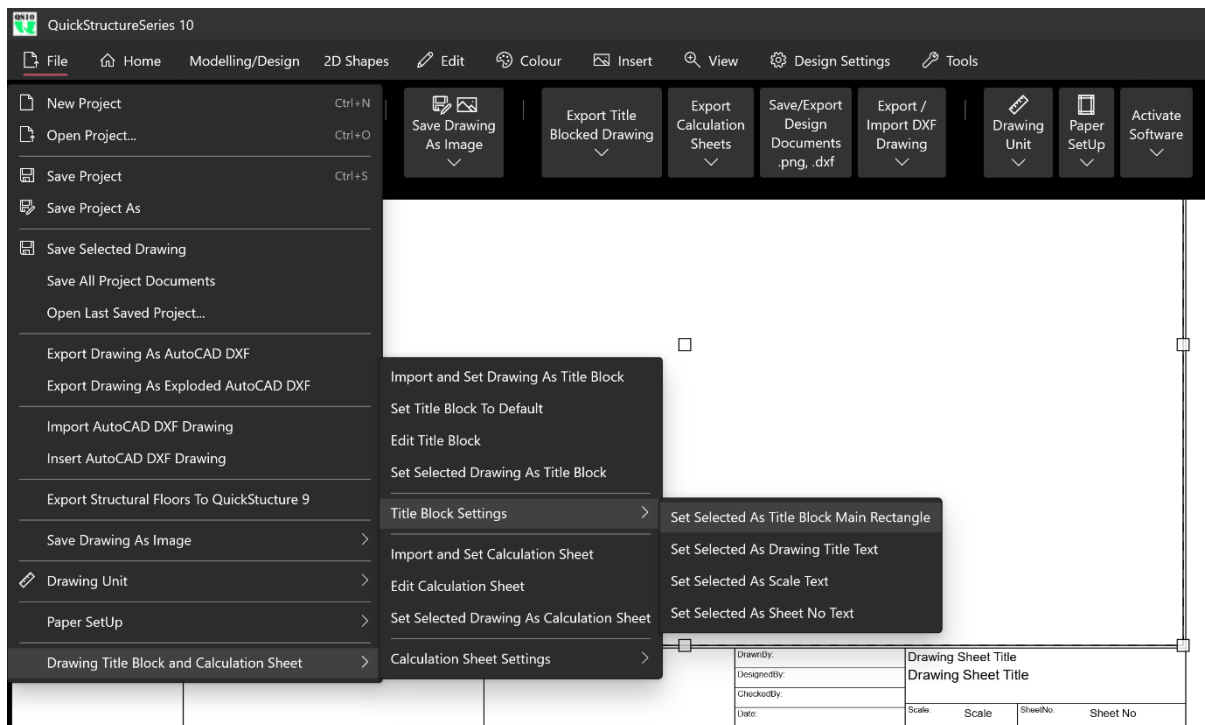
The title block main rectangle is the rectangle that contains the drawing. It is very important.



If you create or import your own title block, you must have a rectangle that you will set to the Title Block Main Rectangle. It is important you do this. Without it the software will not display the drawing in title block.

To Set Title Block Main Rectangle

- Select the rectangle shape.
- Click File, click Drawing Title Block and Calculation Sheet, click Title Block Settings and click Set Selected As Title Block Main Rectangle.



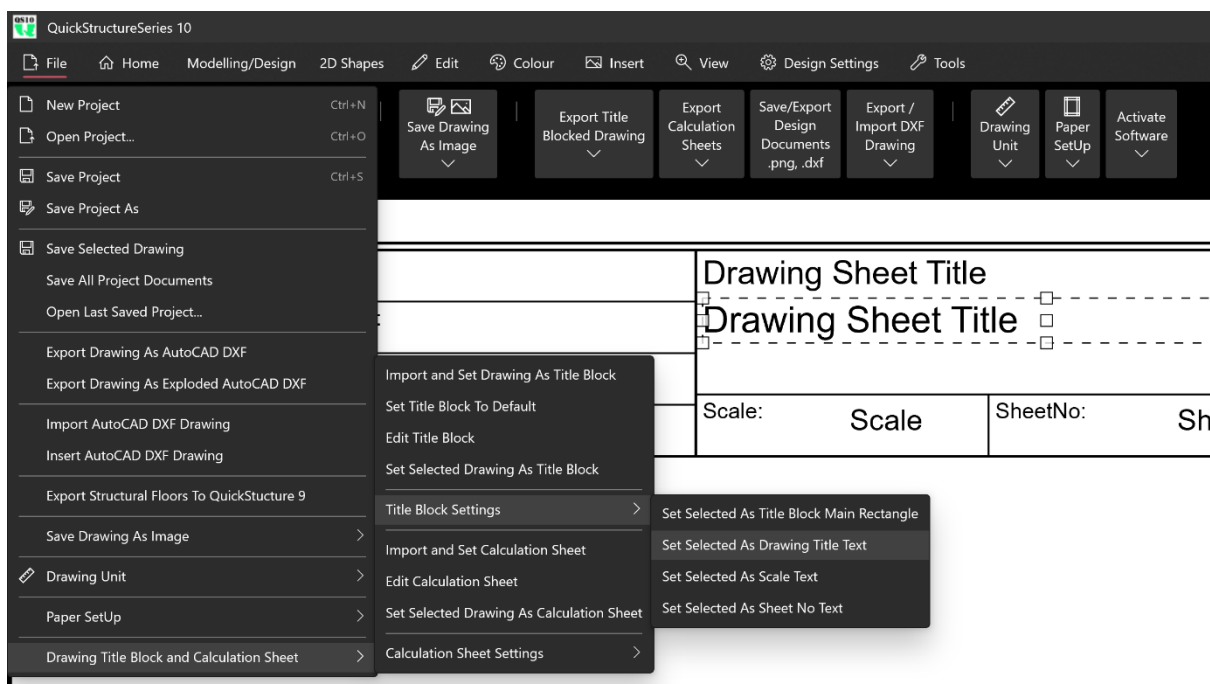
This will let the software know where to display the drawing in.

2. Drawing Title Text

This is the text object that will contain the drawing title. Is important.

To set the drawing Title Text:

- Select the Text
- Click File, click Drawing Title Block and Calculation Sheet, click Title Block Settings and click Set Selected As Drawing Title Text.

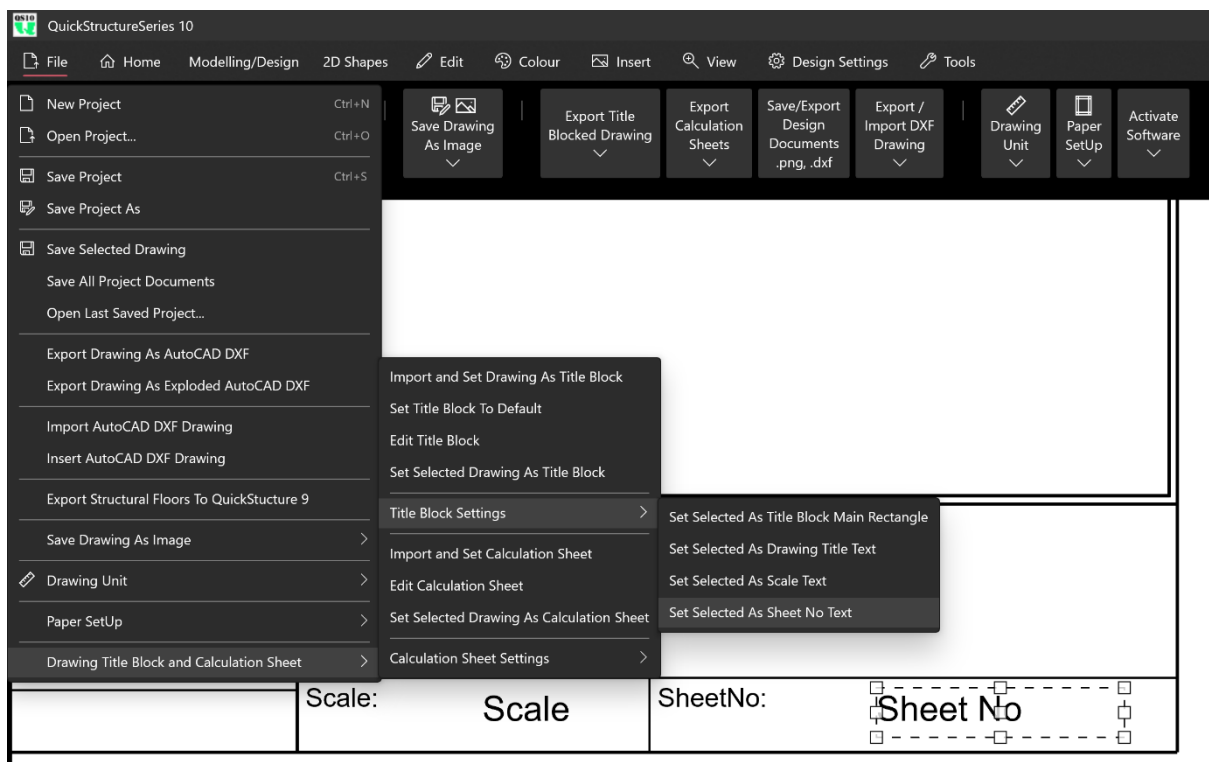


This will let the software know where to put the drawing Title text. The drawing title final text is generated by the software, and it varies depending on the drawing been displayed. You can also set the font style of this text.

3. Sheet No Text

This is the text object that will display the Sheet No. It is important.

To set the Sheet No

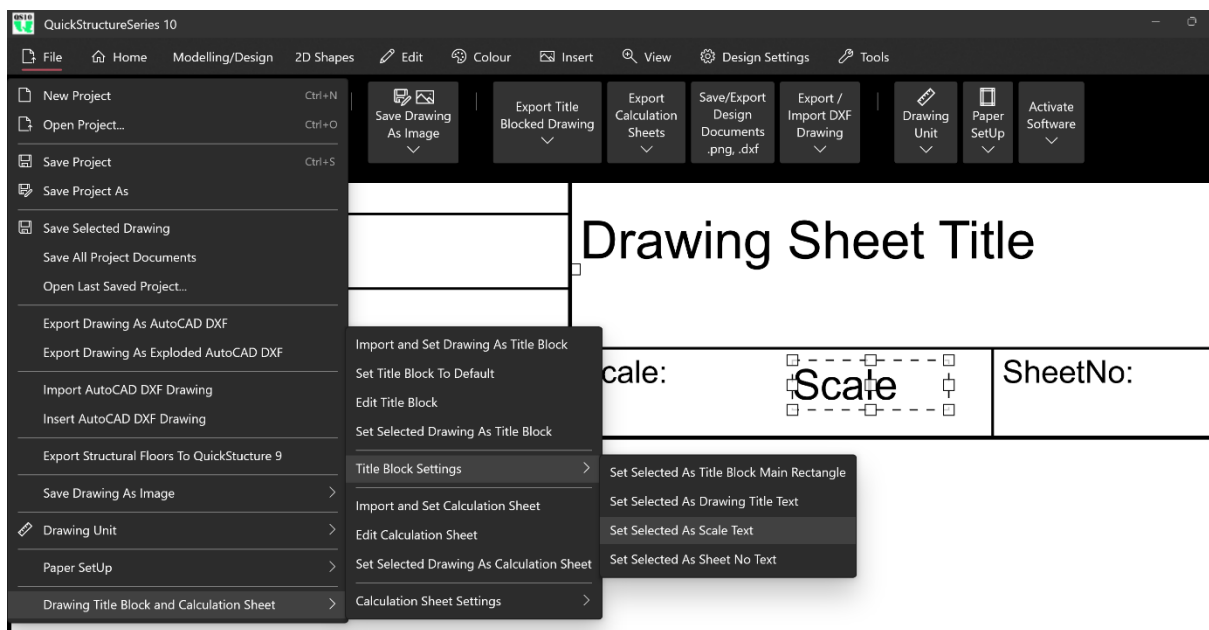


- Select the Text
- Click File, click Drawing Title Block and Calculation Sheet, click Title Block Settings and click Set Selected As Sheet No Text.

4. Scale Text

The Text object will display the scale of the drawing. It is important.

To Set the Scale Text



- Select the Text
- Click File, click Drawing Title Block and Calculation Sheet, click Title Block Settings and click Set Selected As Scale Text.

Note:

These are the most important thing to do if you created or imported your own title block.

If you edited the default title block you don't need to set these objects, it is already set by default. I simply used the default title block to show you where the rectangle and the text are.

You can make the title block however you want but you must tell the software where these objects are so that it can make the connection and display the drawing, drawing title, scale and sheet no text very well.

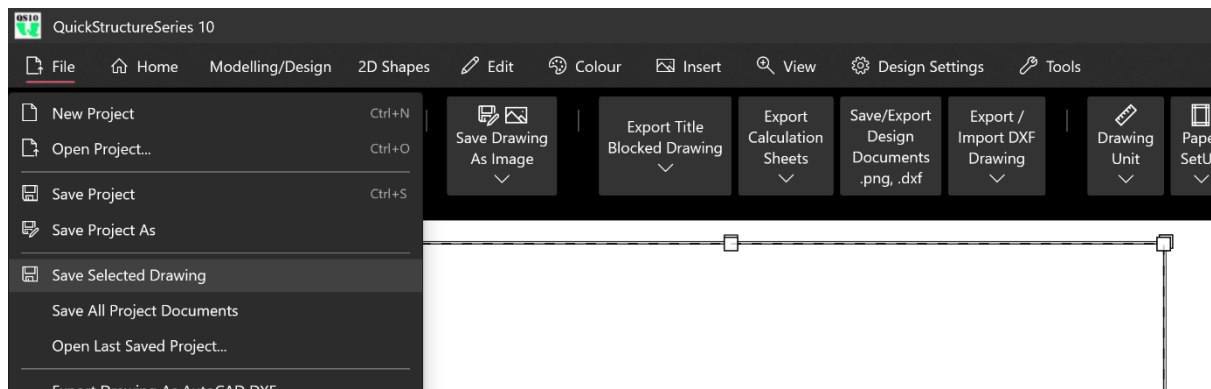
You can also change the fonts style and size of the text.

Next you need to select the edited drawing and set it as default title block.

To Save the Selected Drawing Title Block for use later.

After editing the title block, it is important to save your modified title block so that you can use it for later projects.

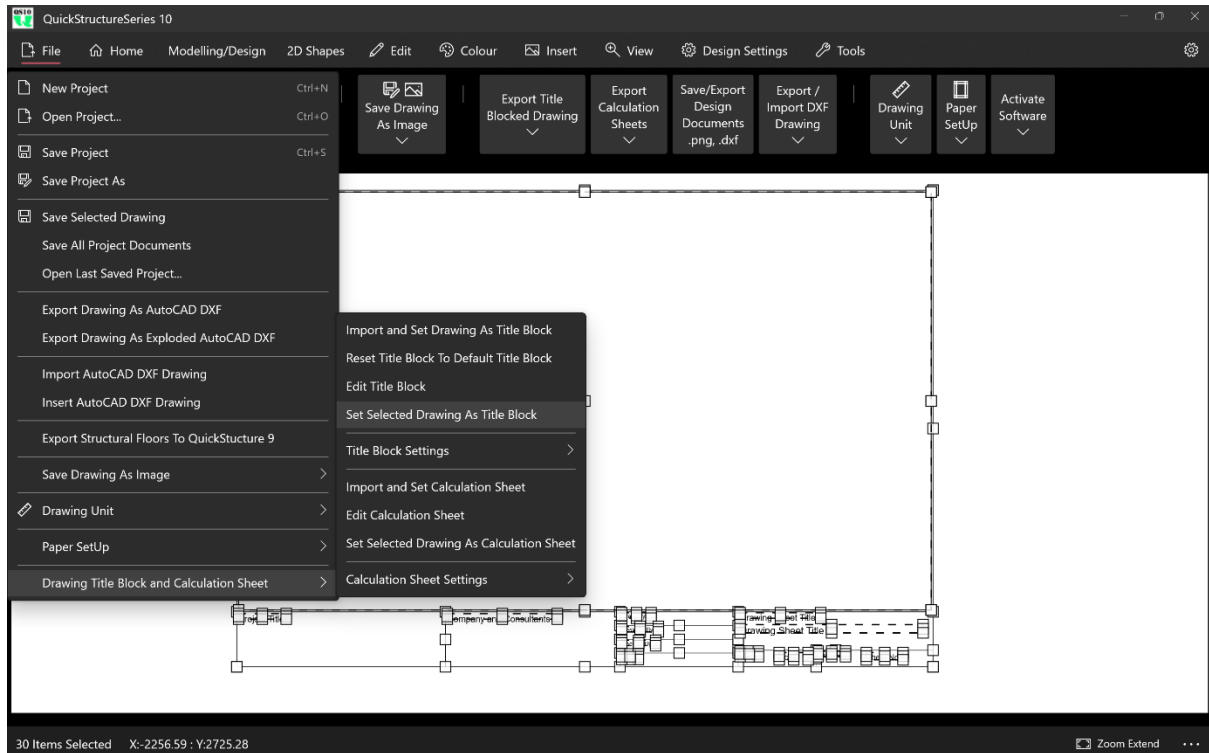
- Select the Drawing
- Click File and click Save Selected Drawing



In later projects, you can import and set this drawing as title block. The software will always start with the default title block.

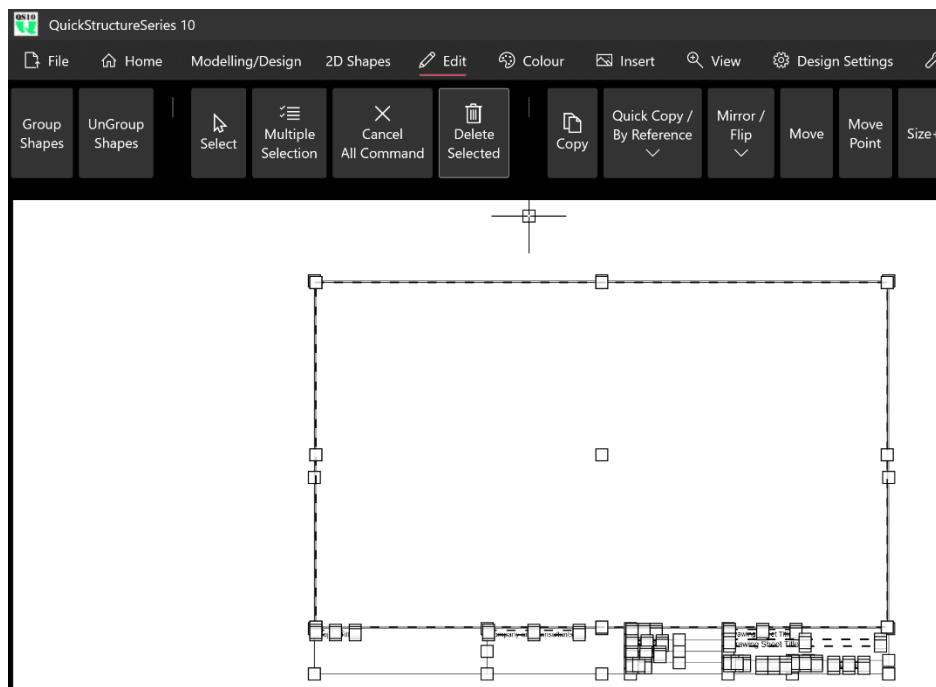
To set Selected Drawing As Title Block

- Select the Drawing



- Click File, click Drawing Title Block and Calculation Sheet, and click Set Selected Drawing As Title Block.

- After setting the drawing as title block, click delete to delete the selected drawing.



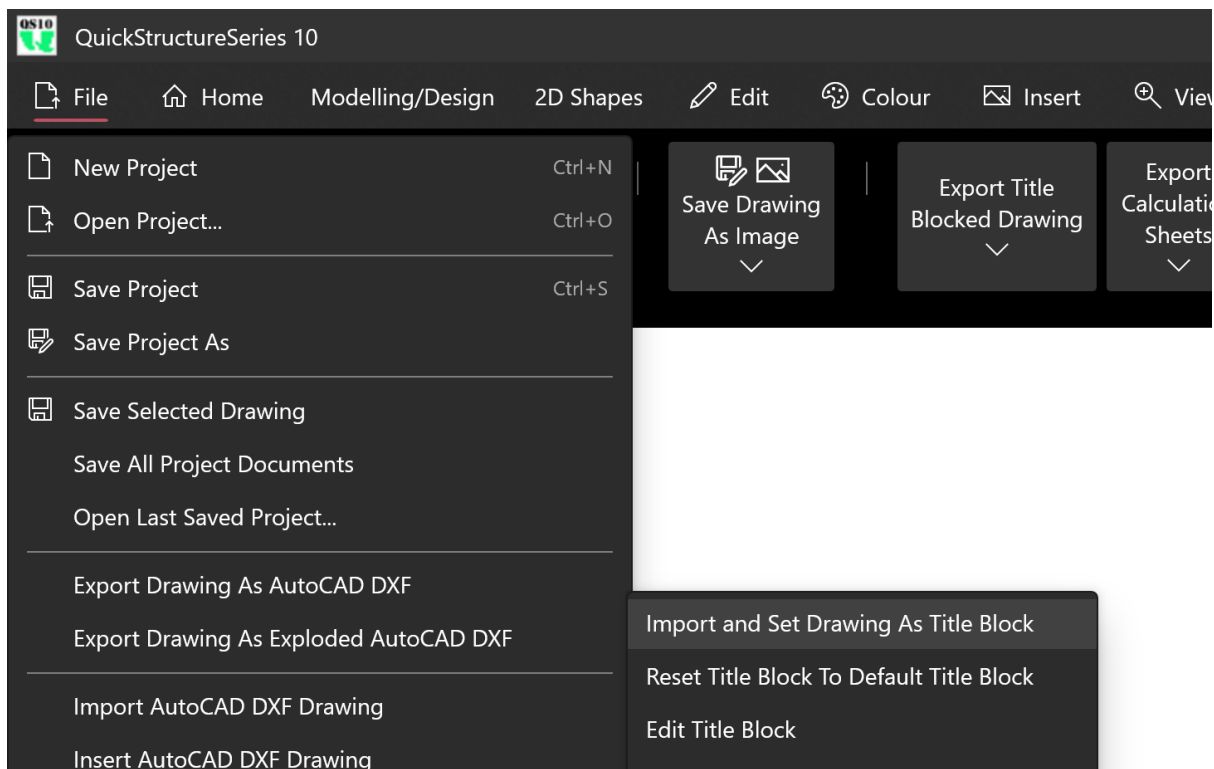
Note:

This will set the drawing as the title block.

When next you run automatic design, the software will use it as the title block for this project.

To Import and Set Drawing As Title Block

- Click File, click Drawing Title Block and Calculation Sheet, and click Import and Set Drawing As Title Block.



- Select the title block and delete it so that it doesn't take up space.

Note:

- This will import and set the drawing as title block. Once the title block is imported, it is now in the software internally, so you can delete the displayed title block so that it will not interfere with your modelling.
- DO NOT USE Import and Set Drawing As Title Block command to import title block from AutoCAD DXF. The software will not import it and it will not work with it.

To use your own title block from AutoCAD, you have to first import the DXF into the software as a drawing, after that you can now go through the process, we have discussed above to get it ready and then set it as title block. We will do an exercise later where we will demonstrate how to import title block from AutoCAD.

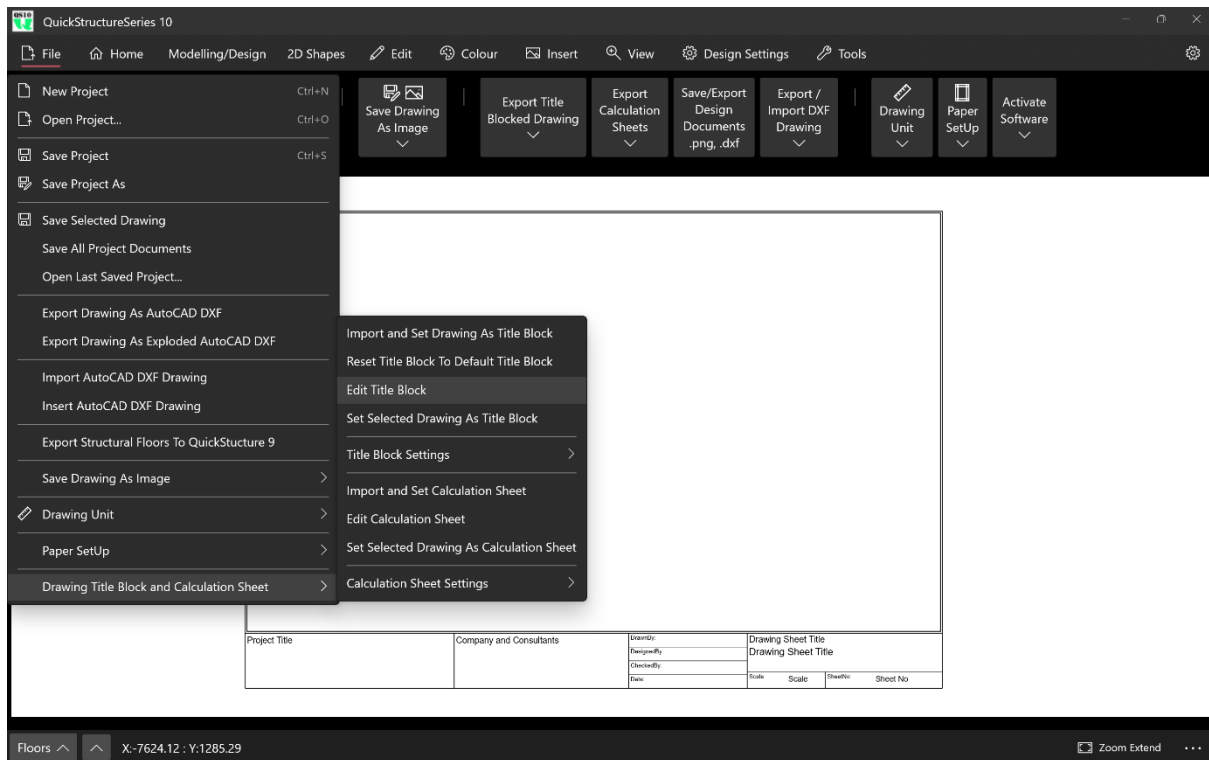
- We have discussed various things you can do to customize the title block, next we will recreate the title block, save it and set as title block.

Editing the title block example

				Notes:			
Project Title PROPOSED BUILDING DEVELOPMENT FOR MR ABCD		Company and Consultants XYZ DESIGN ENGINEERS LTD		DrawnBy: ENGR. EF		Drawing Sheet Title	
				DesignedBy: ENGR. EF		Drawing Sheet Title	
				CheckedBy: ENGR. EF			
				Date: 10 JANUARY		Scale: Scale SheetNo: Sheet No	

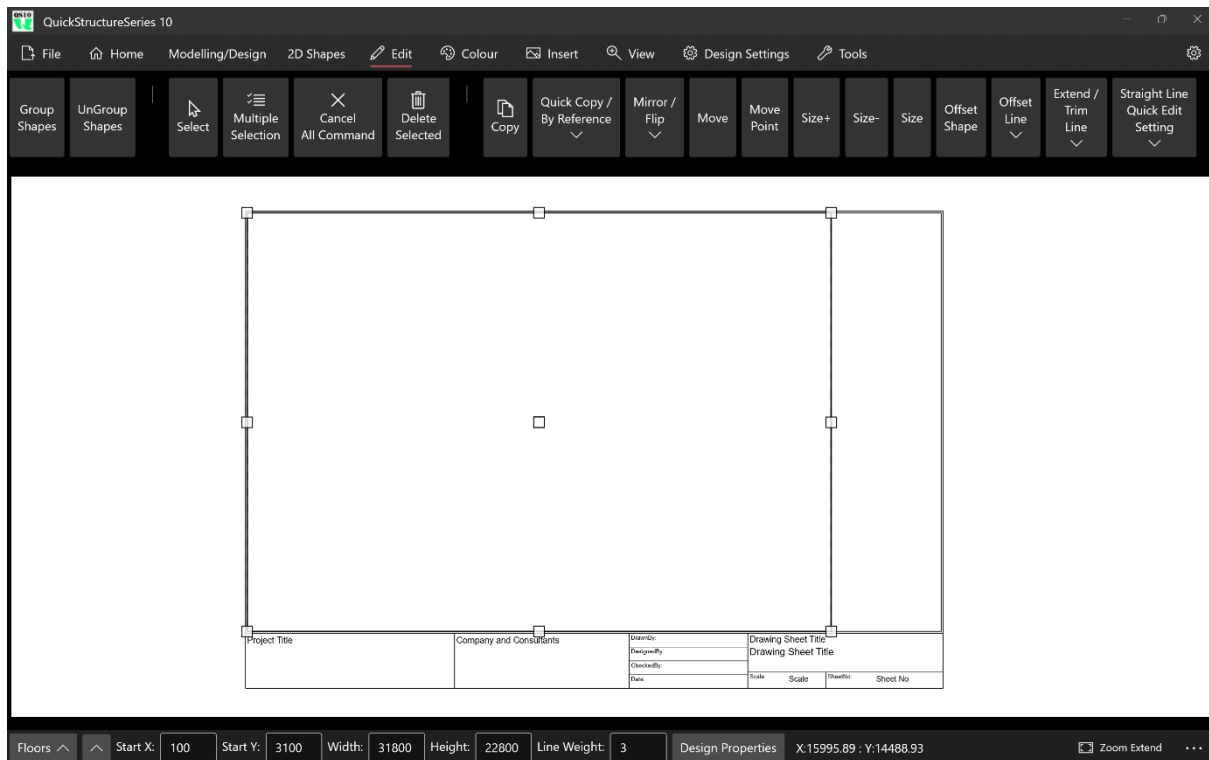
This is the modified title block we will create.

1. Open the default title block
 - Click File, click Drawing Title Block and Calculation Sheet and click Edit Title Block.



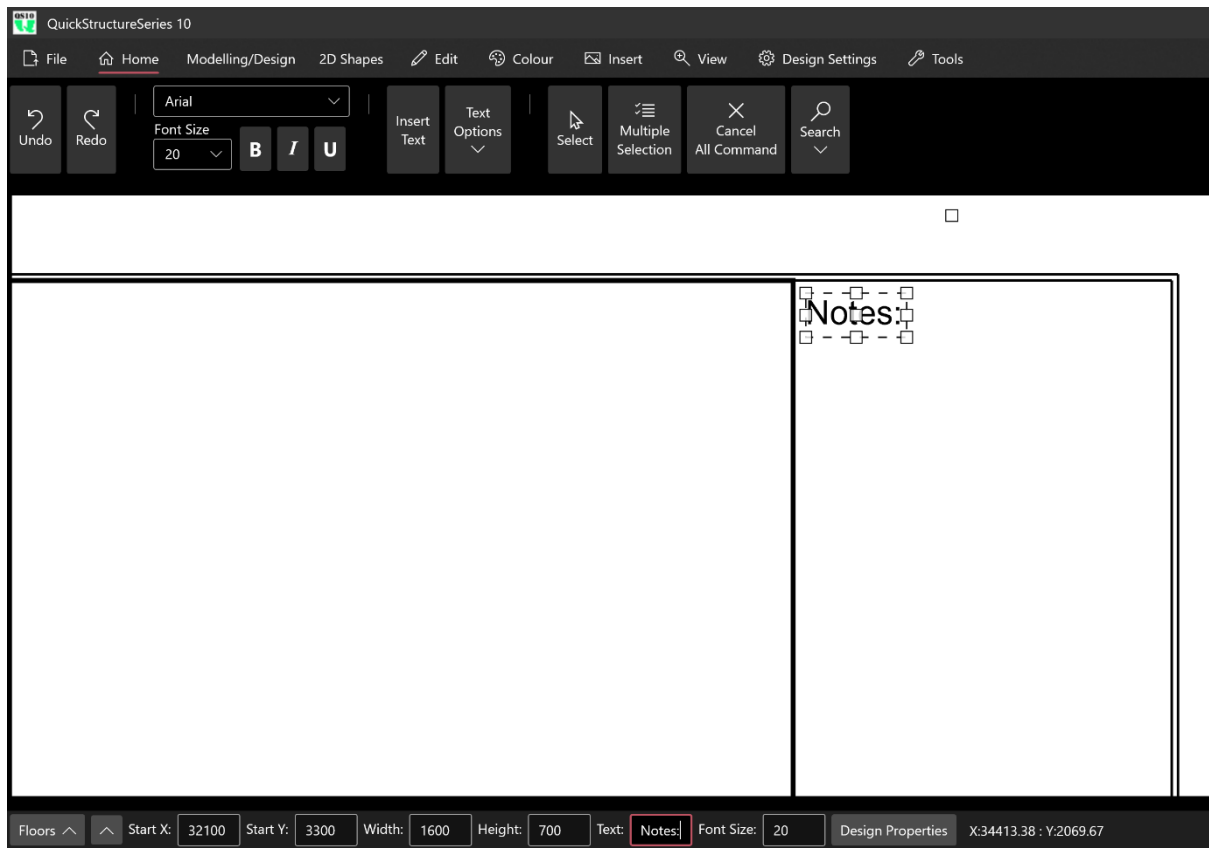
Note: Is a good practice to start with default title block and edit it.

2. Select the Main Rectangle and change the width:31800 and the line weight:3



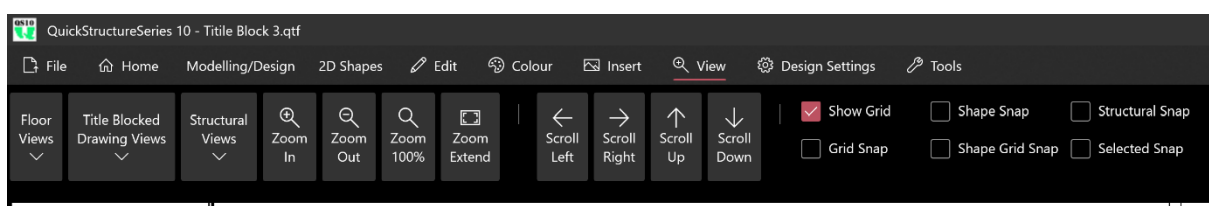
3. Add a Notes text

You can copy the project title and edit the text or you can insert text directly. I will prefer to copy and edit.

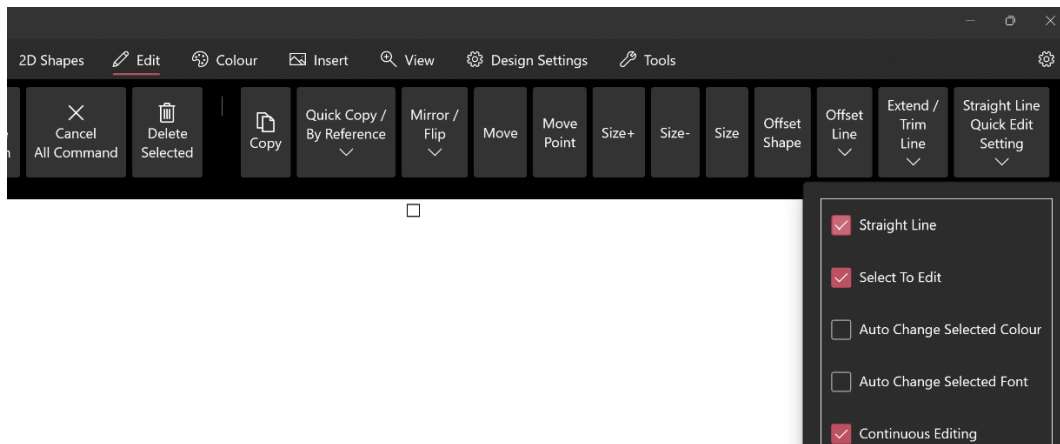


4. Add the project title text

- Click View, Uncheck the Grid Snap, Shape Snap and Shape Grid Snap so that we will have more freedom in placing the text.



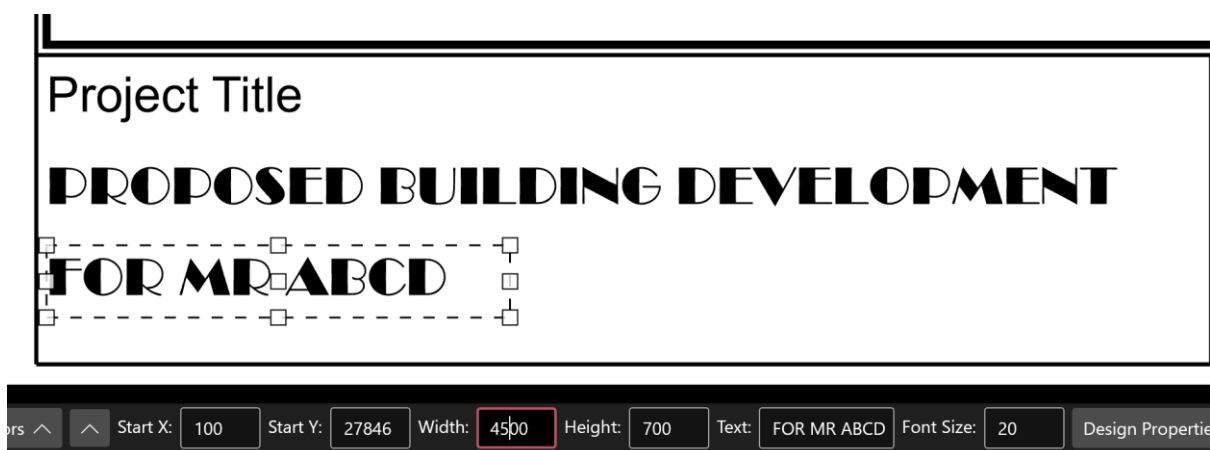
- Click Edit, click Straight Line Quick Edit Setting and Check Straight Line. So that our copy will be placed in straight line.



- Select the Project Title, click Copy and Move the mouse and drop it below as shown. Change the properties as shown. Font: Broadway. You can use your own font style.



- Copy the text again and edit.



Remember to always press the Enter key whenever you change the textbox.

5. Add the Company / Consultant Name

- Copy the text above and edit.

Project Title PROPOSED BUILDING DEVELOPMENT FOR MR ABCD	Company and Consultants XYZ DESIGN ENGINEERS LTD
---	--

Floors ^ Start X: 11530 Start Y: 26775 Width: 8500 Height: 700 Text: XYZ DESIGN ENGINEERS LTD Font Size: 20 Design Properties X:9957.1 : Y:25005.66

Note: It is assumed that you are already use to the software before you can do this manual. If you are not use to the software, do the user manual 1-8 before you continue. We will be moving fast in this manual.

6. Add the DrawnBy, DesignedBy, CheckedBy and Date as shown below. Font size:16

Project Title PROPOSED BUILDING DEVELOPMENT FOR MR ABCD	Company and Consultants XYZ DESIGN ENGINEERS LTD	DrawnBy: ENGR. EF
		DesignedBy: ENGR. EF
		CheckedBy: ENGR. EF
		Date: 10 JANUARY

Note:

You can re-orient this information how ever you want. Where they are positioned is not important. Some people might want to have this information vertical or horizontal the way we did it.

Is advisable to start with the default orientation get comfortable with editing it, use it in the project and see how it goes. Later you can modify it.

7. Change the Drawing Sheet Title Font: Broadway

DrawnBy: ENGR. EF	Drawing Sheet Title	
DesignedBy: ENGR. EF	Drawing Sheet Title	
CheckedBy: ENGR. EF		
Date: 10 JANUARY	Scale: Scale	SheetNo: Sheet No

Part X: 27460	Start Y: 26700	Width: 10000	Height: 800	Text: Drawing Sheet Title	Font Size: 20	Design Properties	X:38137.73 : Y:29519.08
---------------	----------------	--------------	-------------	---------------------------	---------------	-------------------	-------------------------

- Select the Drawing Sheet Title, click Home and change the font to Broadway.

This is to show you that you can change the font of the drawing sheet title. We can do the same for the Scale and Sheet No.

8. Change Scale and Scale No text font to Broadway

- Select the Scale, click Home and change the font to Broadway.
- Select the Sheet No, click Home and change the font to Broadway.

DrawnBy: ENGR. EF	Drawing Sheet Title Drawing Sheet Title	
DesignedBy: ENGR. EF		
CheckedBy: ENGR. EF		
Date: 10 JANUARY	Scale: Scale	SheetNo: Sheet No

71.06 : Y:24807.97

Note: If the font didn't change, select another font and then select Broadway again.

9. Add two Lines Object

- Click 2D Shapes, click Line and Add two line shapes

	Notes:	
		

Start X:	32100	Start Y:	3950	End X:	33600	End Y:	3950	Length:	1500	Line Weight:	1	De
----------	-------	----------	------	--------	-------	--------	------	---------	------	--------------	---	----

10. Click File and click Save Project

- File Name: Title Block 1

The main section of the title block:

- Main Rectangle
- Drawing Sheet Title
- Sheet No
- Scale

		Notes:	
Project Title PROPOSED BUILDING DEVELOPMENT FOR MR ABCD	Company and Consultants XYZ DESIGN ENGINEERS LTD	DrawnBy: ENGR. EF DesignedBy: ENGR. EF CheckedBy: ENGR. EF Date: 10 JANUARY	Drawing Sheet Title Drawing Sheet Title Scale: Scale SheetNo: Sheet No

Drawing Sheet Title	
Drawing Sheet Title	
Scale: Scale	SheetNo: Sheet No

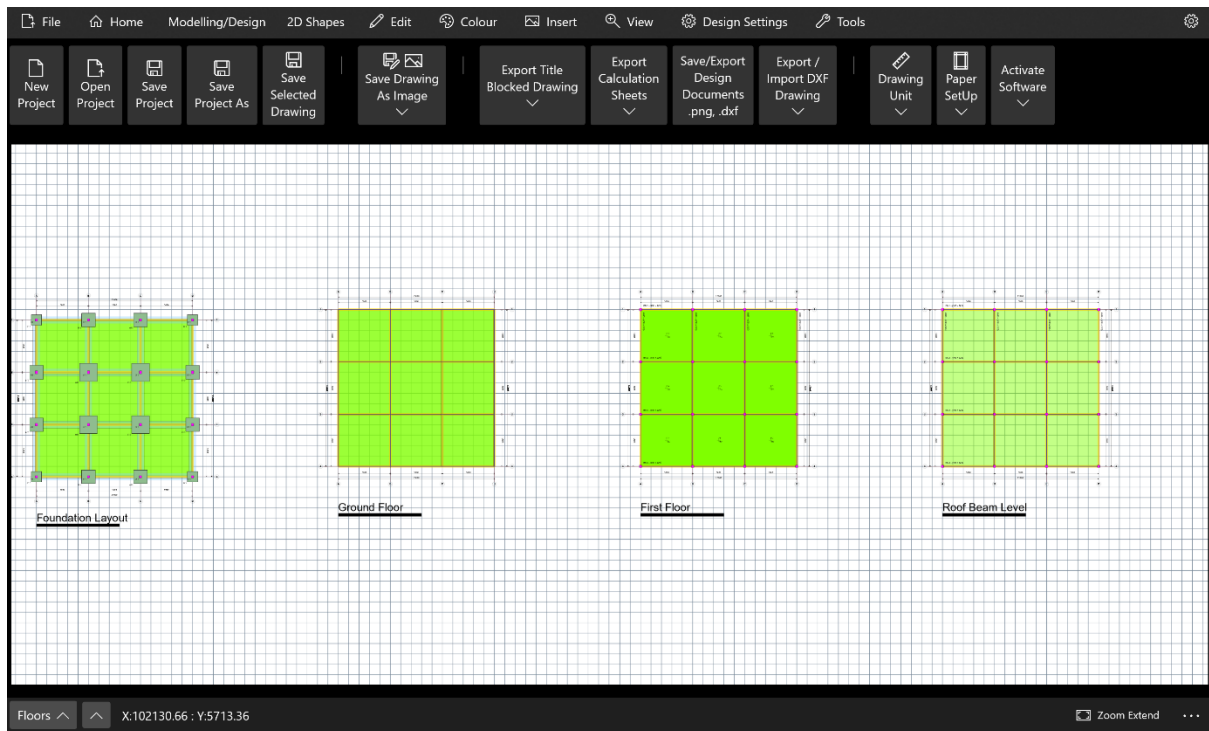
Every title block in the software must have this four sections or objects. The Main Rectangle is not filled. Because we modified an existing title block from the software, we didn't need to set them.

We have talked about how to set the title block important objects above. If you created a new title block from the scratch or imported from AutoCAD DXF, you must set these objects as we discussed above for the software to work with them.

It is advisable to create or modify the title block in a new project not in the project where you are doing your design.

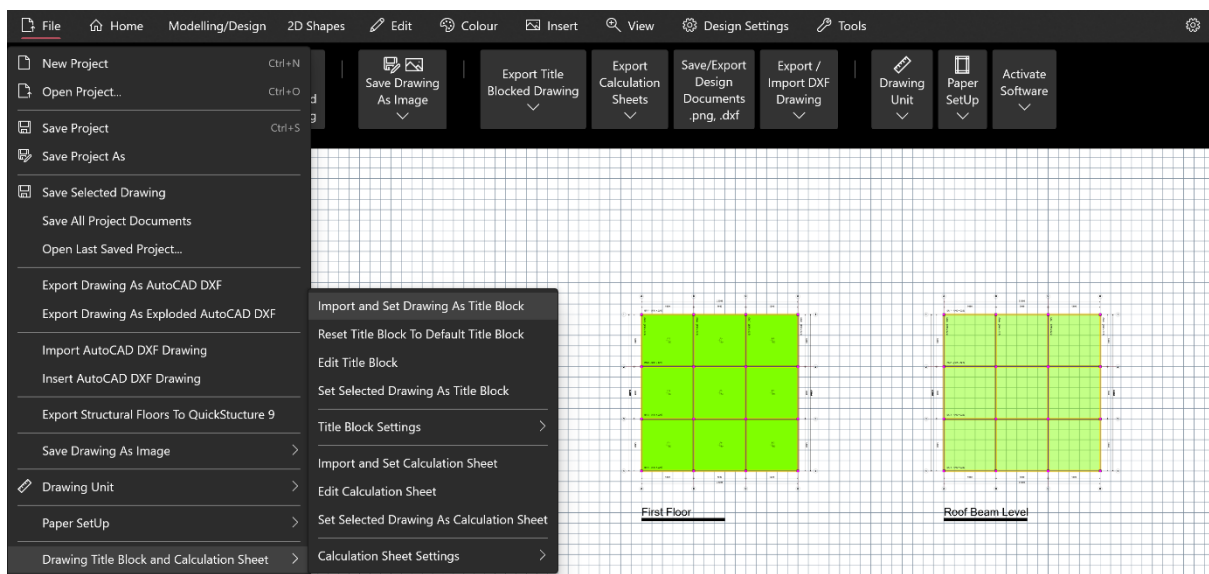
Next we create a new project for the new modelling and import the title block into it.

11. Create a new project or open an existing project.

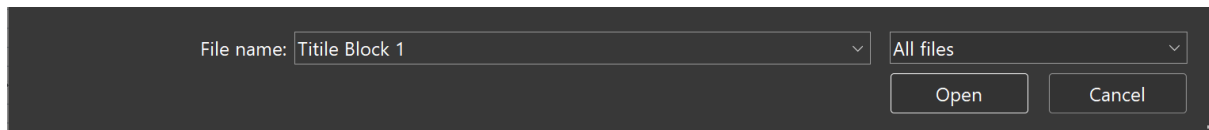


You can open any of the projects we created before.

12. Click File, click Drawing Title Block and Calculation Sheet and click Import and Set Drawing As Title Block.



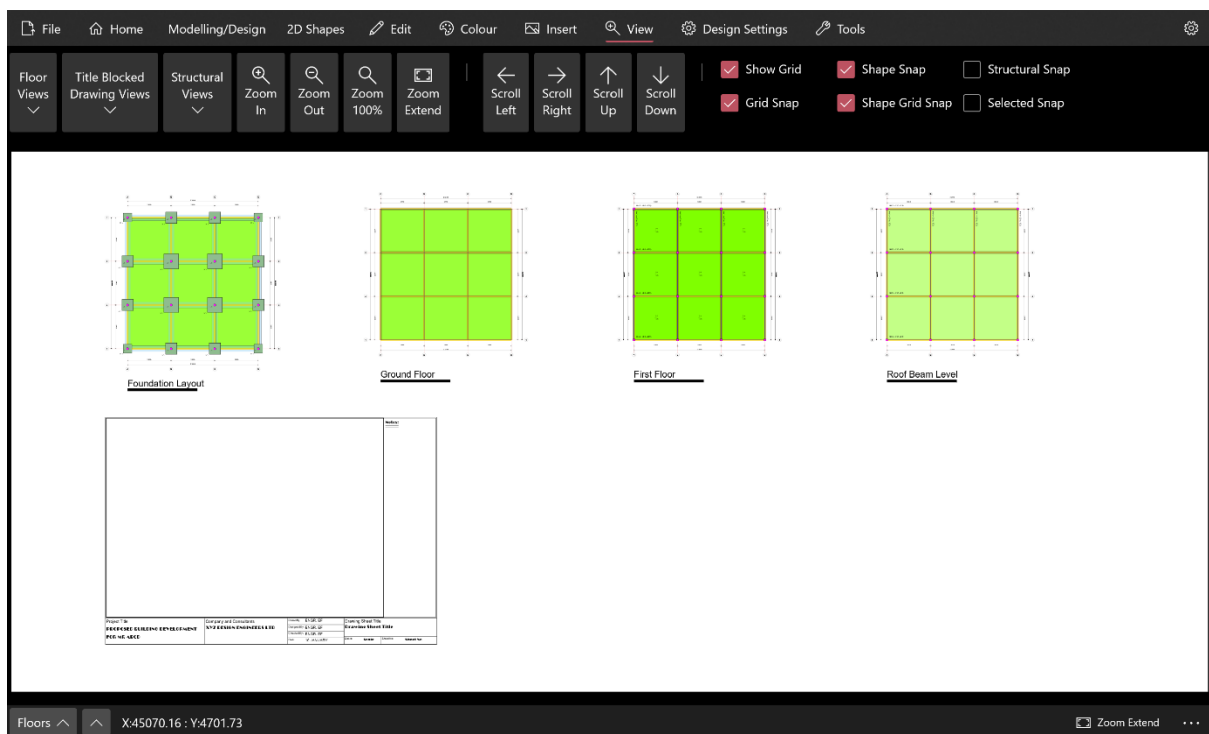
- Select the Saved title block drawing: Title Block 1



- Click Open.

Please always make sure you know the folder you save your files.

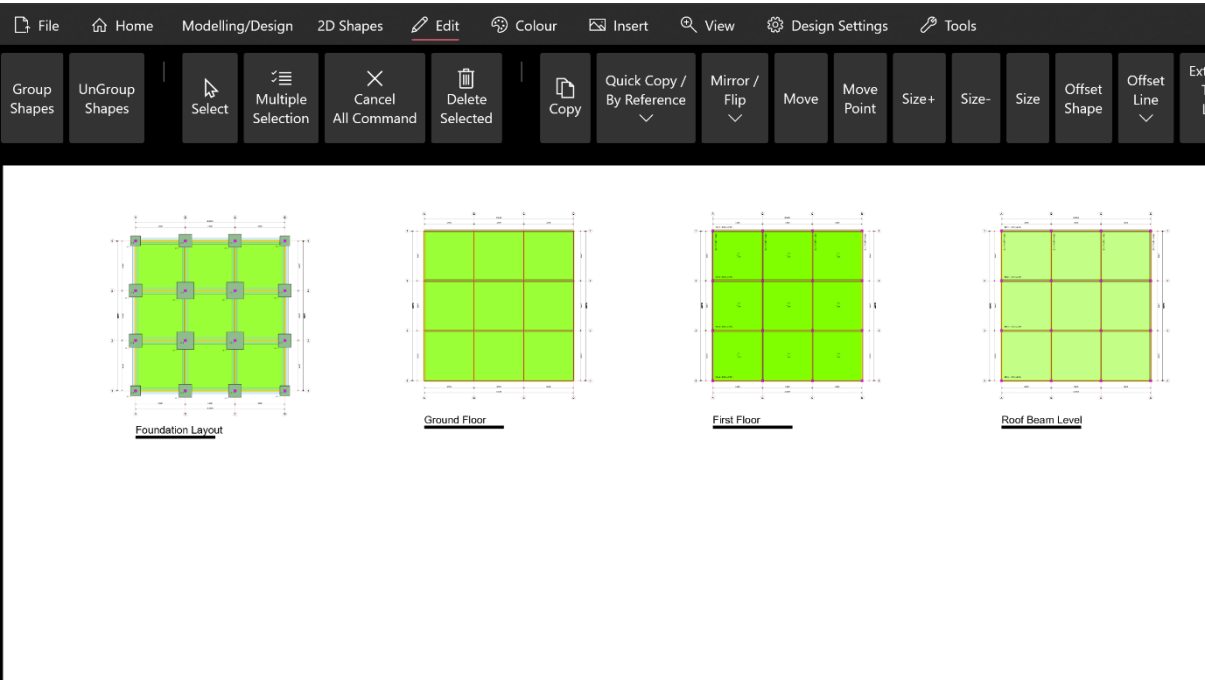
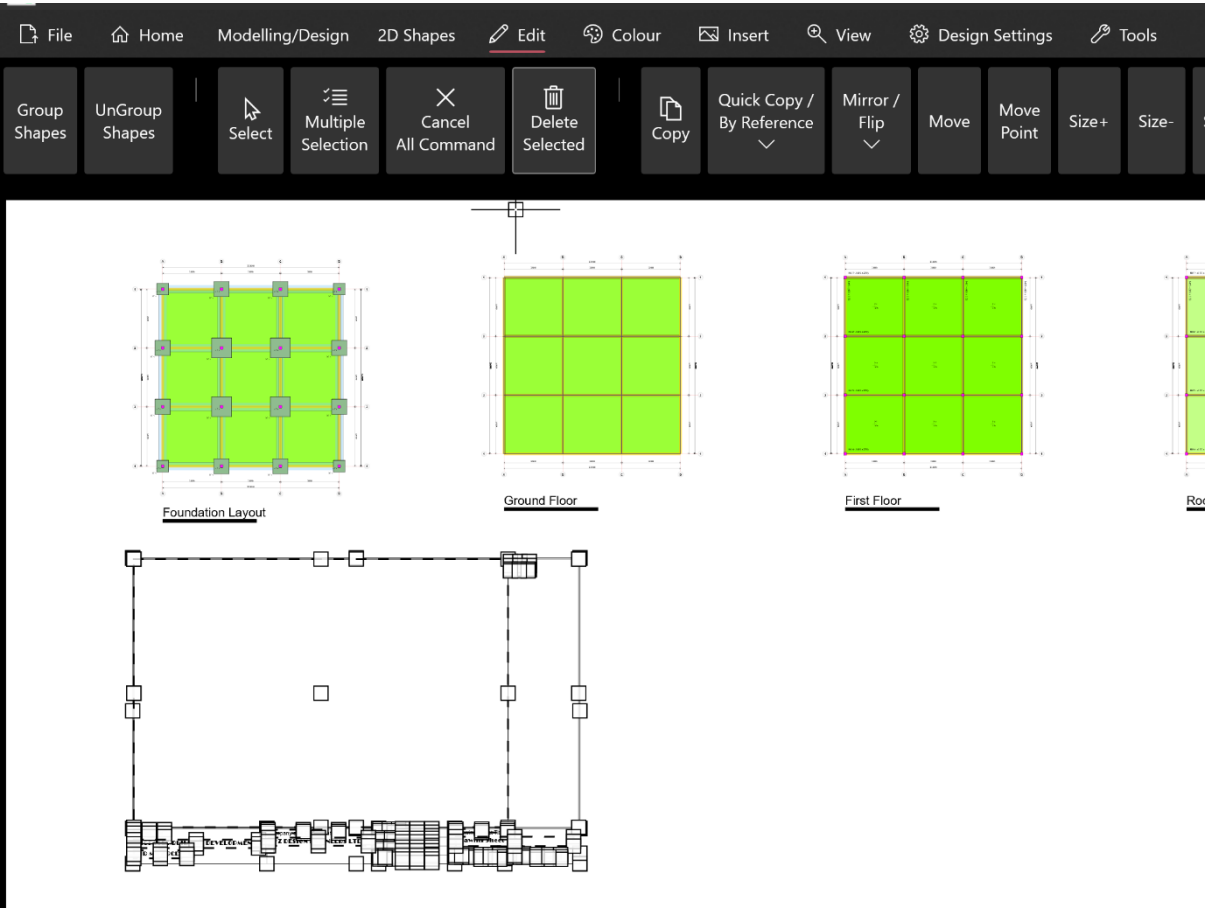
13. Zoom Extend to see the Title Block, you can also use Scroll up to position it well.



14. Select the Title Block and Delete it.

We don't need it anymore on the drawing surface, it is now internally in the software. If you want to edit it

more, you can but if you do, you will have to select it and Set as Title block. We are not doing that now.



15. Run Automatic Design.

- Click Design Settings and Click Automatic Design Setting.
- Scroll down and check Edit Title Block.

The screenshot displays the software's Design Settings panel on the left and a floor plan diagram on the right. The Design Settings panel includes the following options:

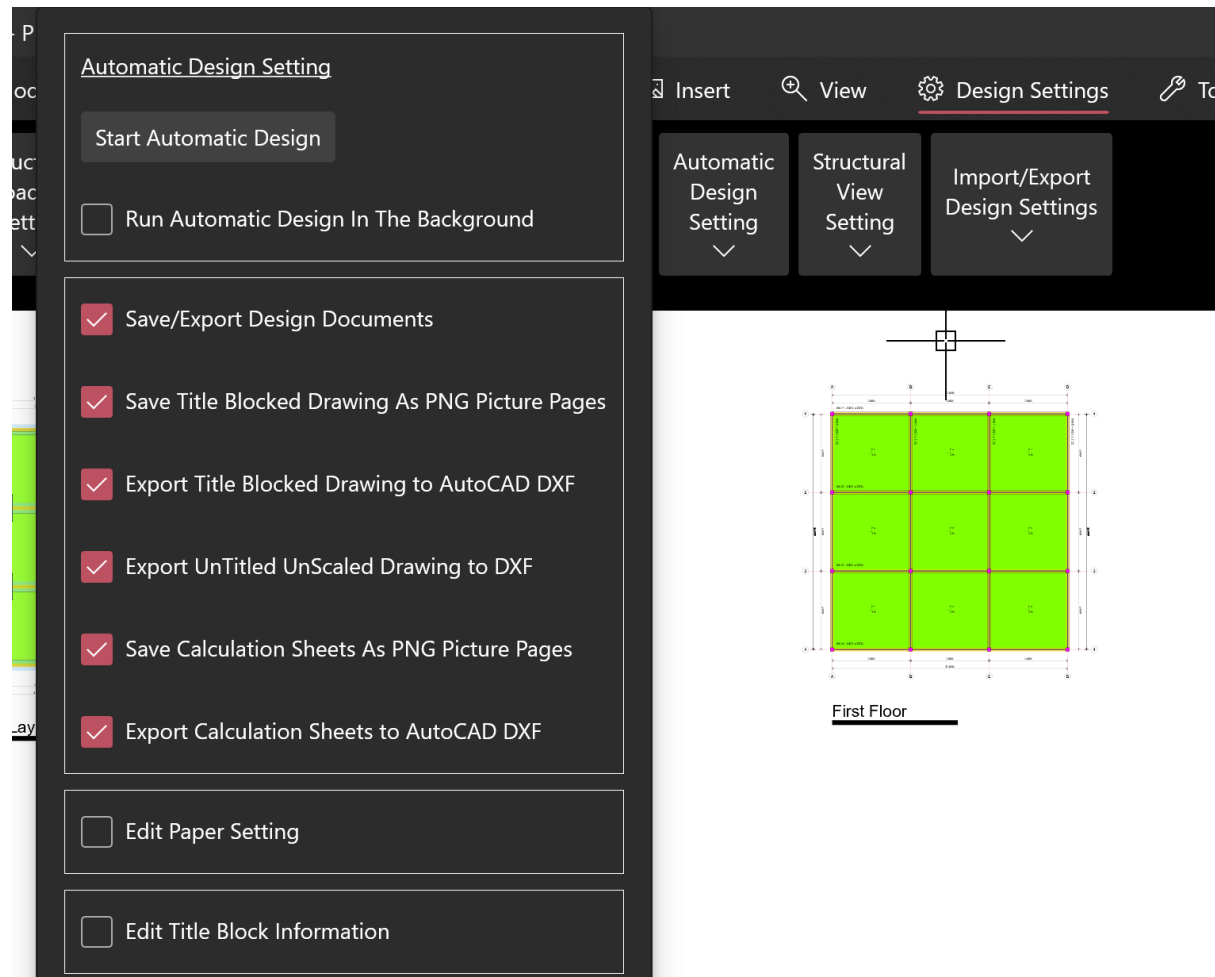
- ☒ Export Calculation Sheets to AutoCAD DXF
- ☐ Edit Paper Setting
- ☒ Edit Title Block Information
 - Project Title 1:
 - Project Title 2:
 - Company Name:
 - Consultant Name:
 - Drawn By / Made By:
 - Designed By:
 - Checked By:
 - Date Of Design:
 - Design Code:
- ☒ Center Drawing Within TitleBlock

The right side of the interface shows a top navigation bar with 'Insert', 'View', and 'Design Settings' (selected). Below this are three buttons: 'Automatic Design Setting' (selected), 'Structural View Setting', and 'Import/Export Design Settings'. The main area displays a floor plan diagram labeled 'First Floor' with a grid of columns (A, B, C, D) and rows (1, 2, 3, 4). The grid cells are highlighted in green.

- Make sure there is no entry in the textboxes just like the image above.

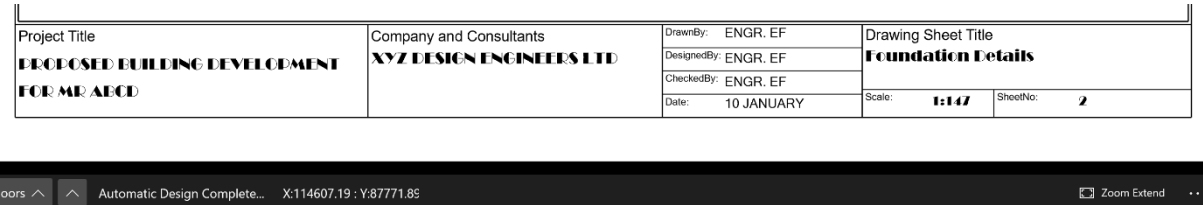
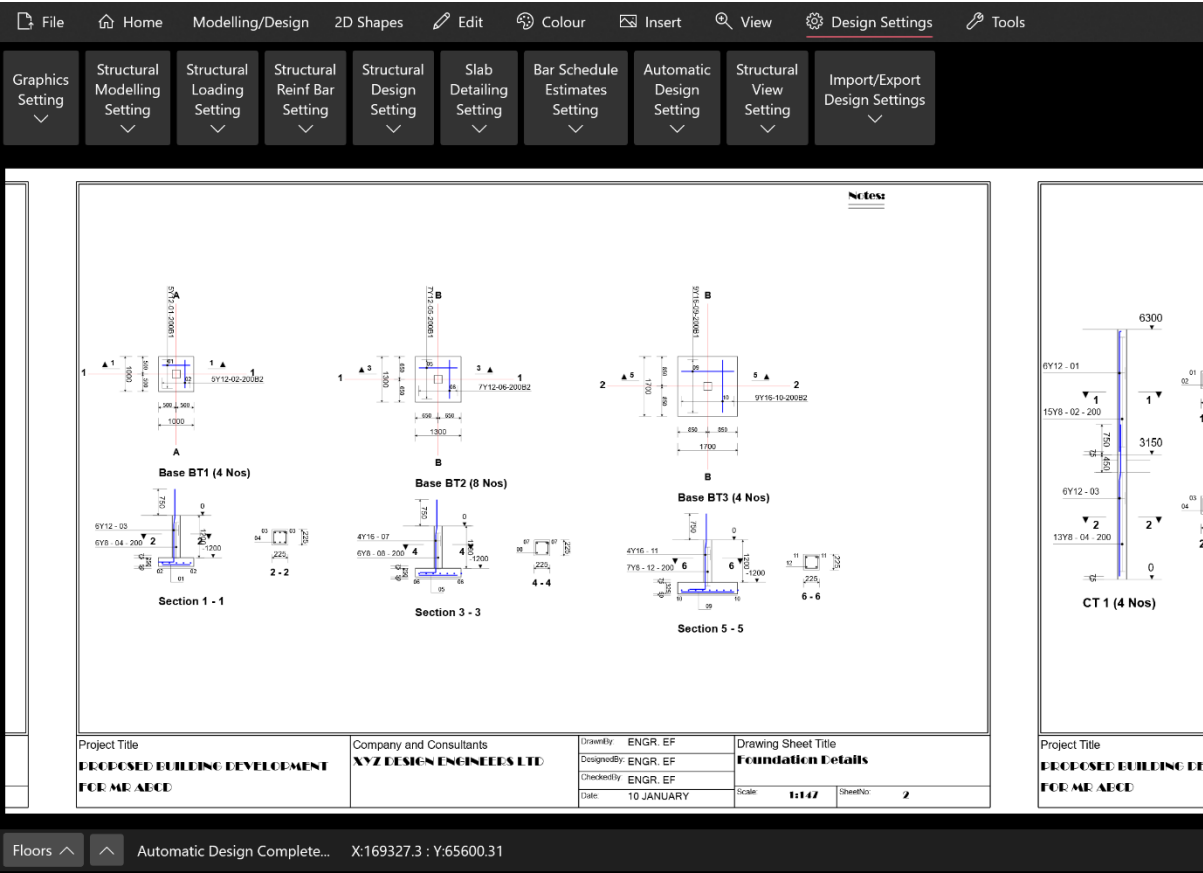
The reason is that we have set all the details we need in our title block. If you make any entry, it will write on top of what we have in the title block.

- Uncheck Edit Title Block



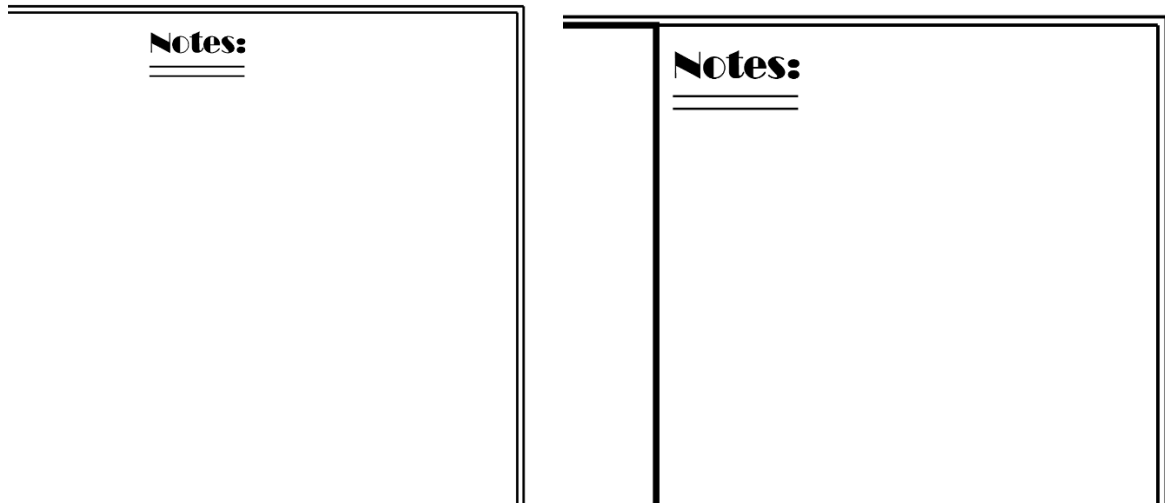
- Click Start Automatic Design

You will see our title block was used as intended.



Everything worked fine but we have only one little problem. We are supposed to have a line before Notes.

Now we have to add it.



The reason it happened is that the software will remove the main rectangle at the end of doing the title block. This makes it easier to select objects in the title block without selecting the rectangle.

This will give us an opportunity to see the second way of importing and using title block.

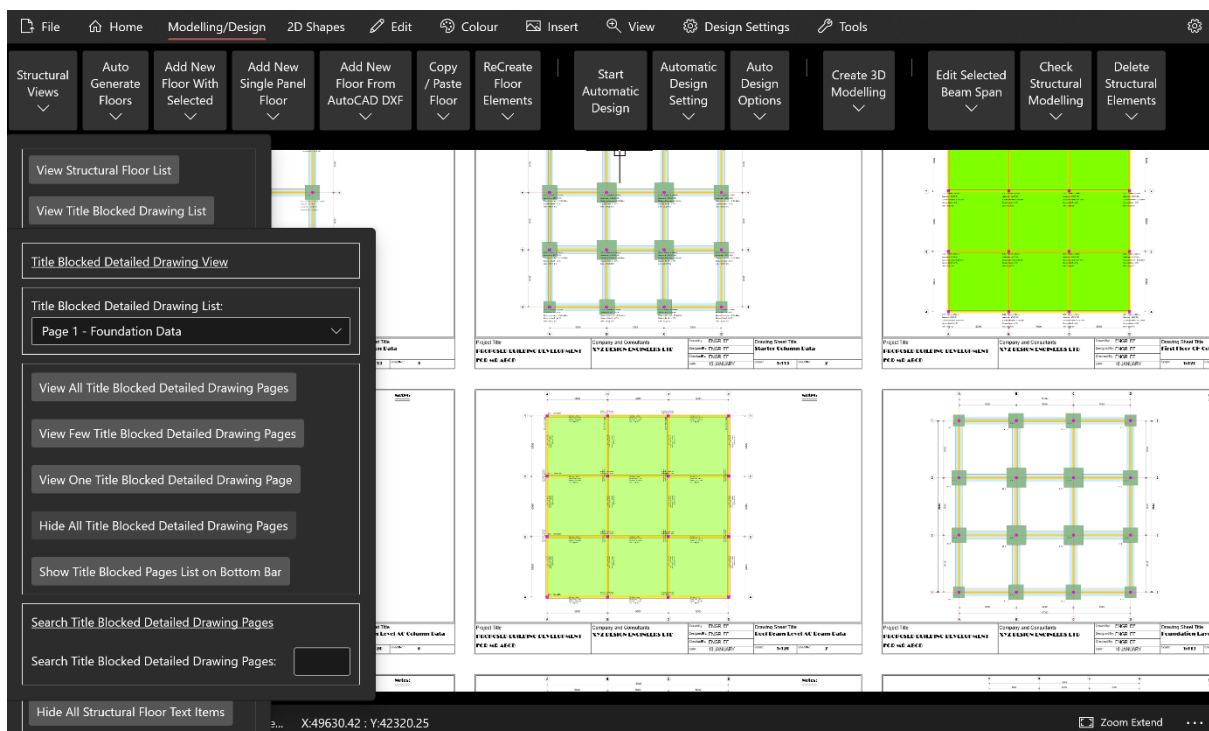
Import and Edit Title block before use example

In this example we will import a title block, edit the title block and use it our project. We will import it import an existing project. We will continue from where we stop above.

You could use this example in any project, just open the project and continue from 17.

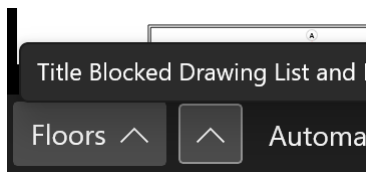
16. Hide the Detailed Title Block drawing generated from Automatic design.

- Click Modelling/Design tab and click View Title Blocked Drawing List.

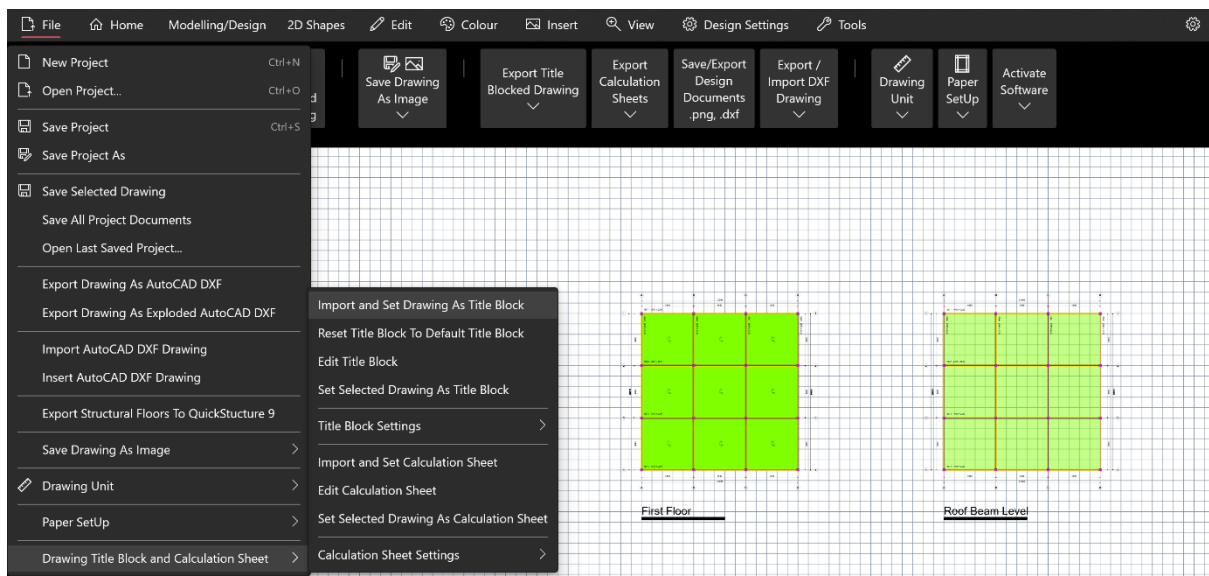


- Click Hide All Title Blocked Detailed Drawing Pages.
- Click View and click Zoom Extend

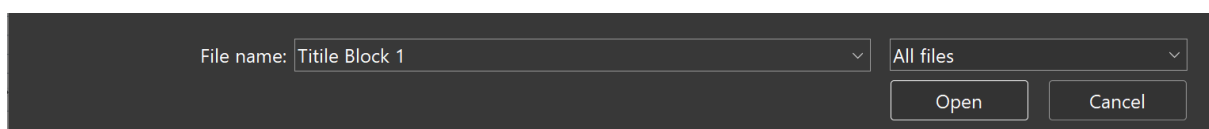
You can also access structural view by clicking the ^ button close to the floors button at the bottom of the software window.



17. Click File, click Drawing Title Block and Calculation Sheet and click Import and Set Drawing As Title Block.



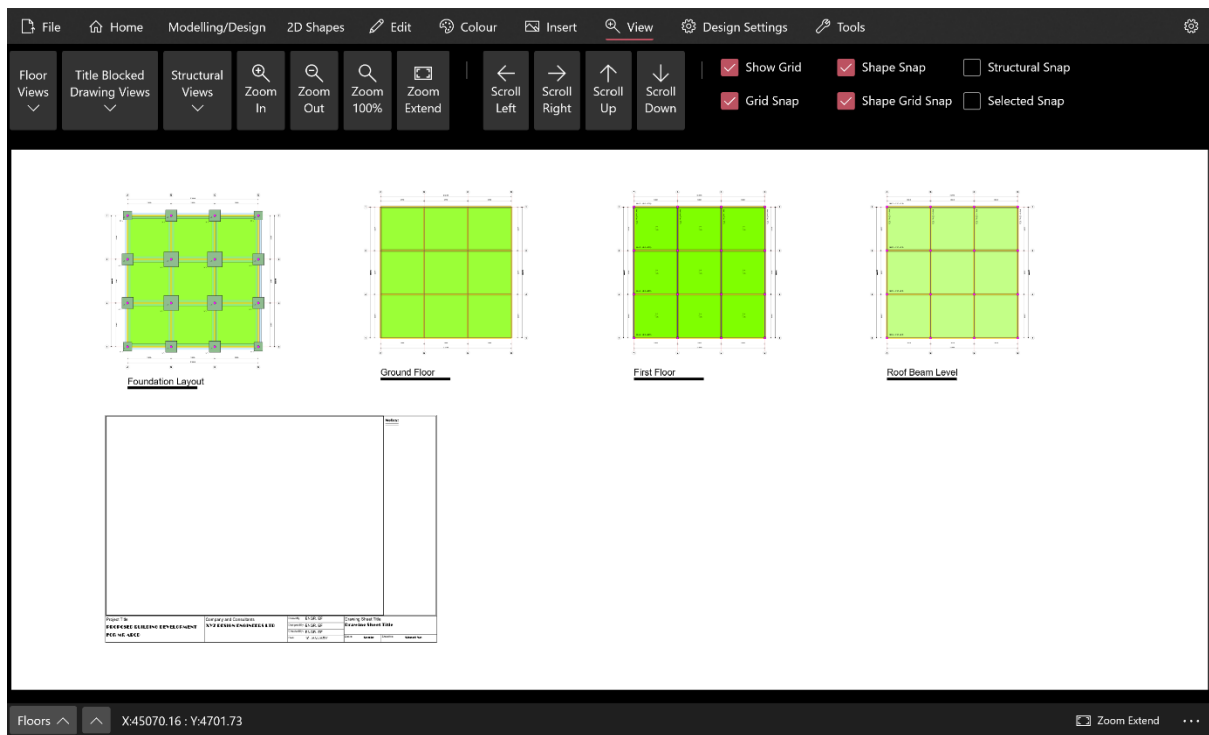
- Select the Saved title block drawing: Title Block 1



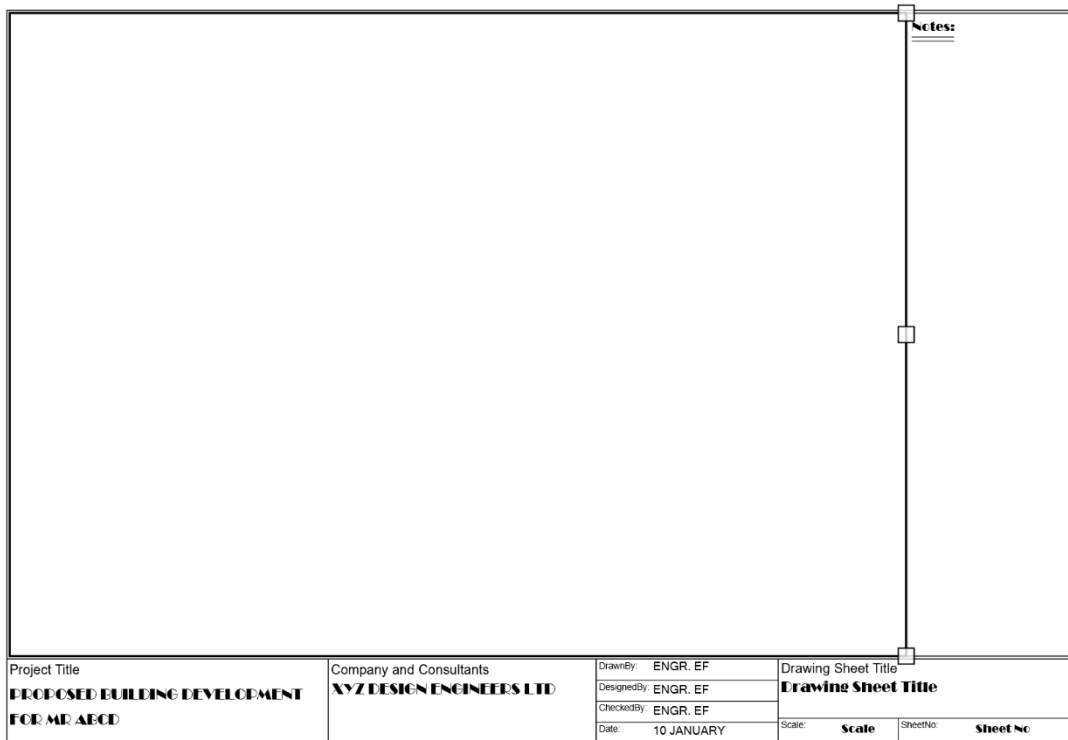
- Click Open.

Please always make sure you know the folder you save your files.

18. Zoom Extend to see the Title Block, you can also use Scroll up to position it well.



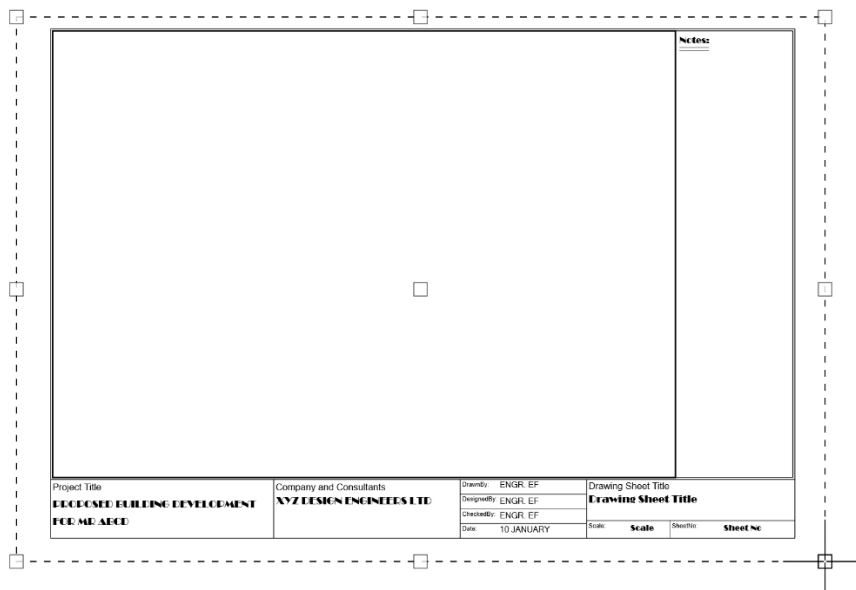
19. Click 2D Shapes, click Line and add a line between two points close to the notes. The line coordinates are below.



Project Title PROPOSED BUILDING DEVELOPMENT FOR MR ABCD	Company and Consultants XYZ DESIGN ENGINEERS LTD	DrawnBy: ENGR. EF DesignedBy: ENGR. EF CheckedBy: ENGR. EF Date: 10 JANUARY	Drawing Sheet Title Drawing Sheet Title
		Scale: Scale	SheetNo: Sheet No

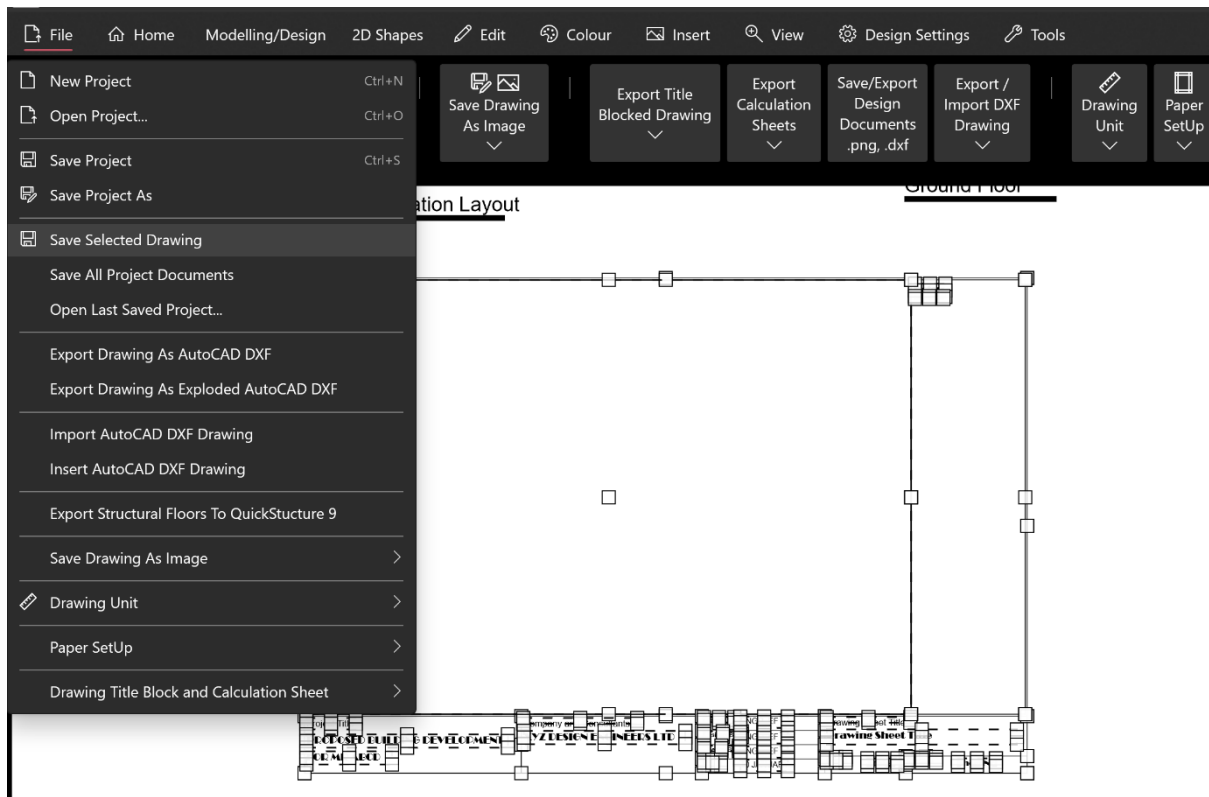
Start X: 27350	Start Y: 35900	End X: 27350	End Y: 58700	Length: 22800	Line Weight: 1.5	Design Properties
----------------	----------------	--------------	--------------	---------------	------------------	-------------------

20. Select the whole title block



Project Title PROPOSED BUILDING DEVELOPMENT FOR MR ABCD	Company and Consultants XYZ DESIGN ENGINEERS LTD	DrawnBy: ENGR. EF DesignedBy: ENGR. EF CheckedBy: ENGR. EF Date: 10 JANUARY	Drawing Sheet Title Drawing Sheet Title
		Scale: Scale	SheetNo: Sheet No

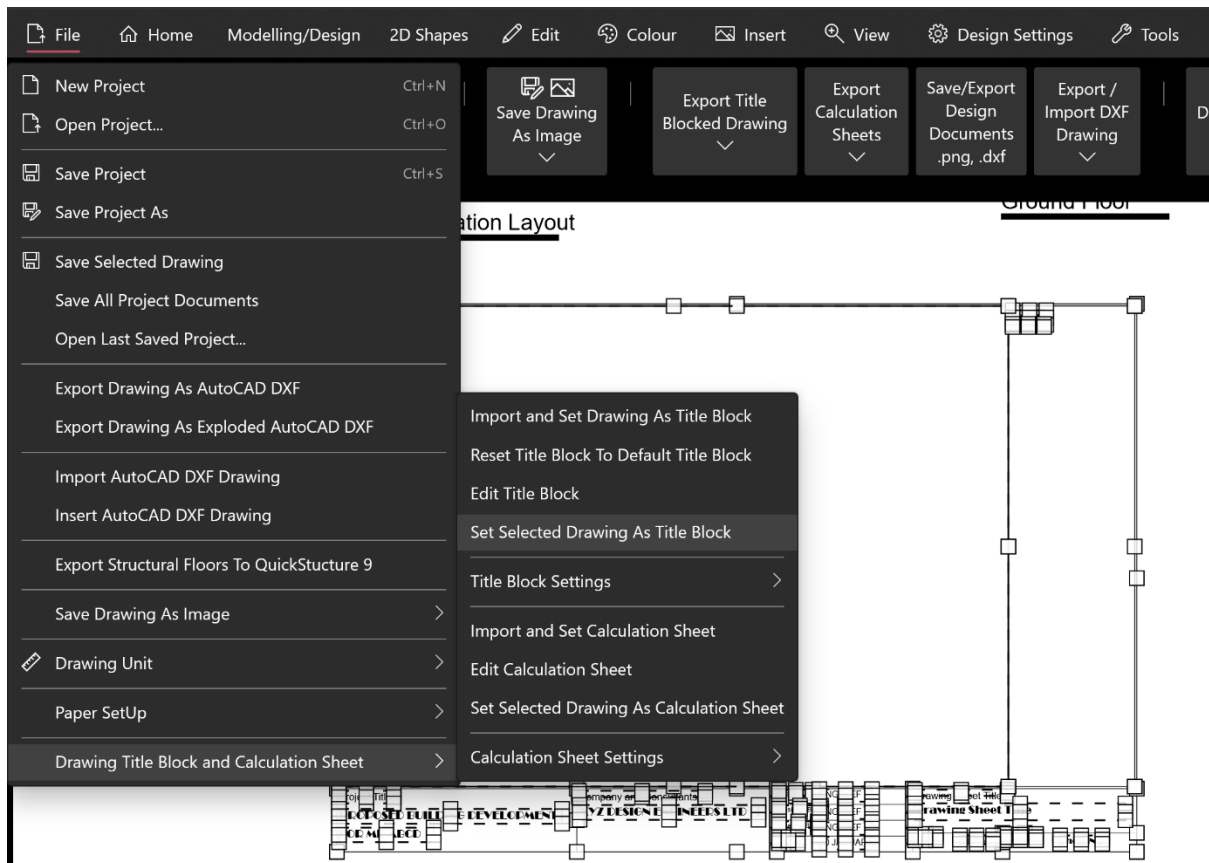
21. Click File and click Save Selected Drawing - File Name: Title Block 2



Use this to save only the selected shapes within the project.

We also do this to keep a copy of our adjustment.

22. Click File, click Drawing Title Block and Calculation Sheet, and Set Selected Drawing As Title Block.



This will now set our selected drawing as the title block. The software will now work with it.

23. Click Edit tab and click Delete.

We delete the Title Block from the drawing surface, we don't need it anymore in the surface. Is now stored internally.

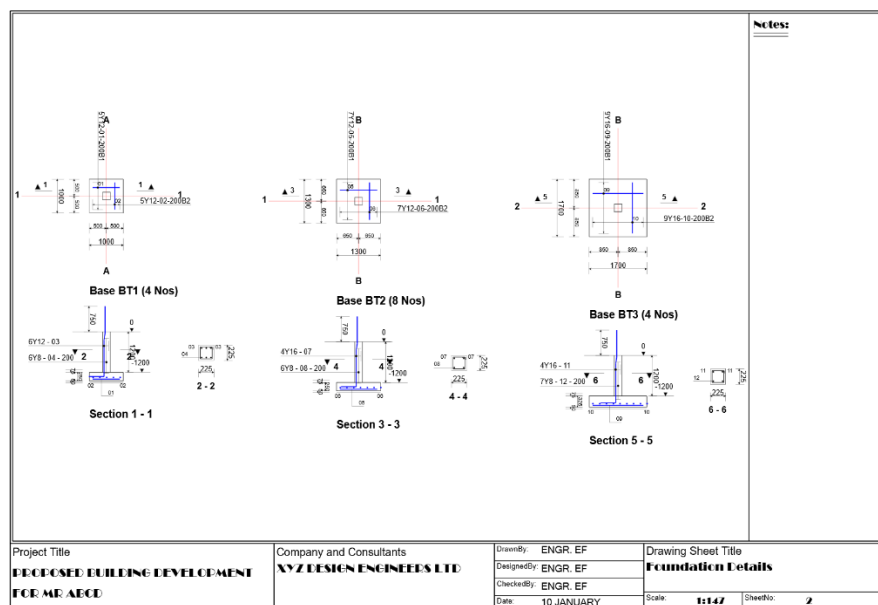
Next, we repeat what we did before.

24. Run Automatic Design.

- Click Design Settings and Click Automatic Design Setting.
- Scroll down and check Edit Title Block.
Make sure there is no entry in the textboxes just like the image above.
- Uncheck Edit Title Block

Note: You don't really need to do this because the software opens with the default settings above. You do this only if you have changed this settings or you have imported settings that have the title block information set.

- Click Start Automatic Design



As you can see the line before the notes is there.

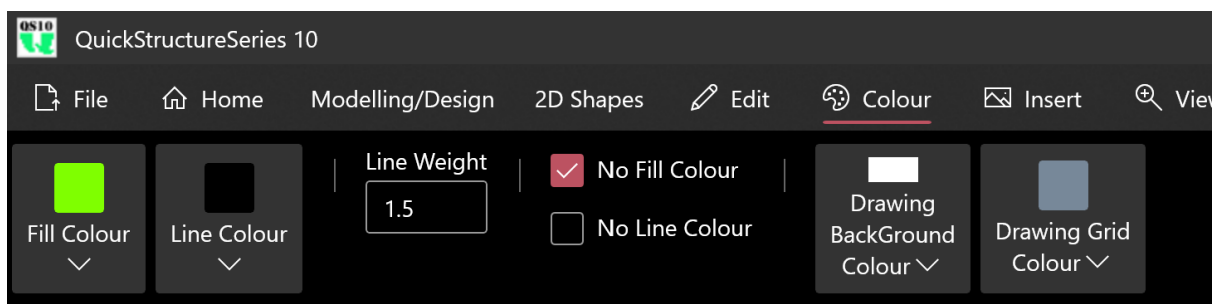
In QS10 editing and creating Title block is very easy. Title block is made with the same basic shapes as the drawing, you can easily edit or make your own save it or share it with others.

Next, we will look at how to import your title block from AutoCAD DXF.

Import and Edit Title block from AutoCAD DXF example

To make it simple, I have exported the title block drawing we did above as DXF. You can also do this. Select the title block drawing, click File and click Export Drawing as AutoCAD DXF. This will export the drawing to AutoCAD DXF.

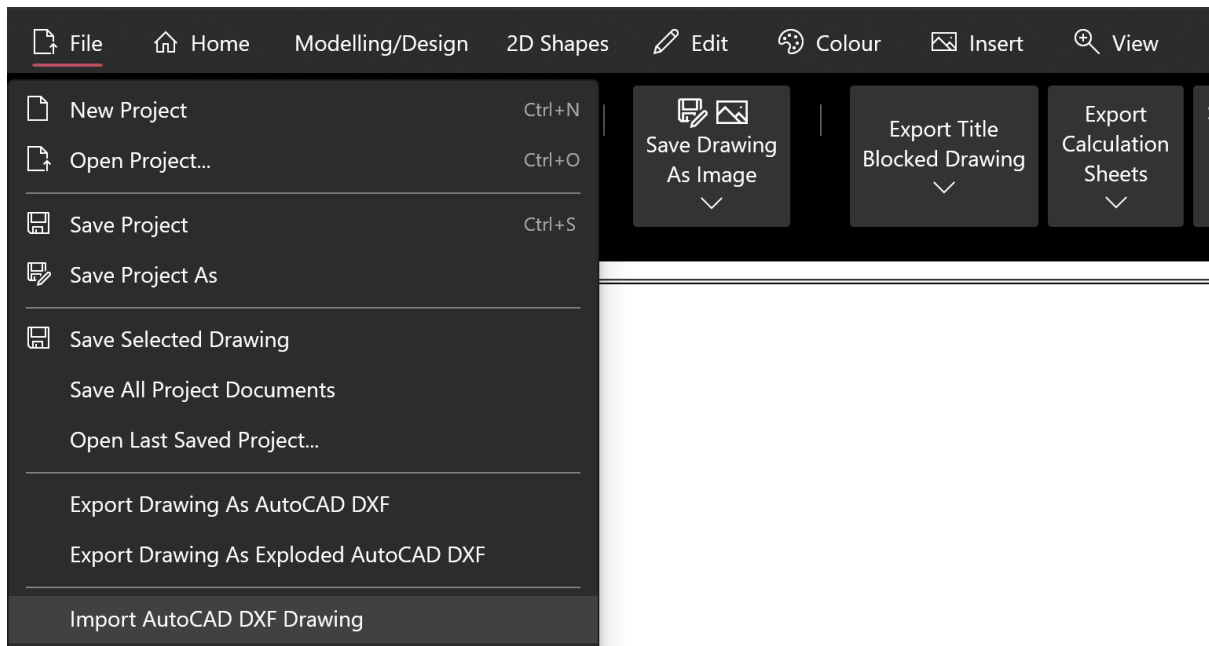
1. Click Colour and check No Fill Colour



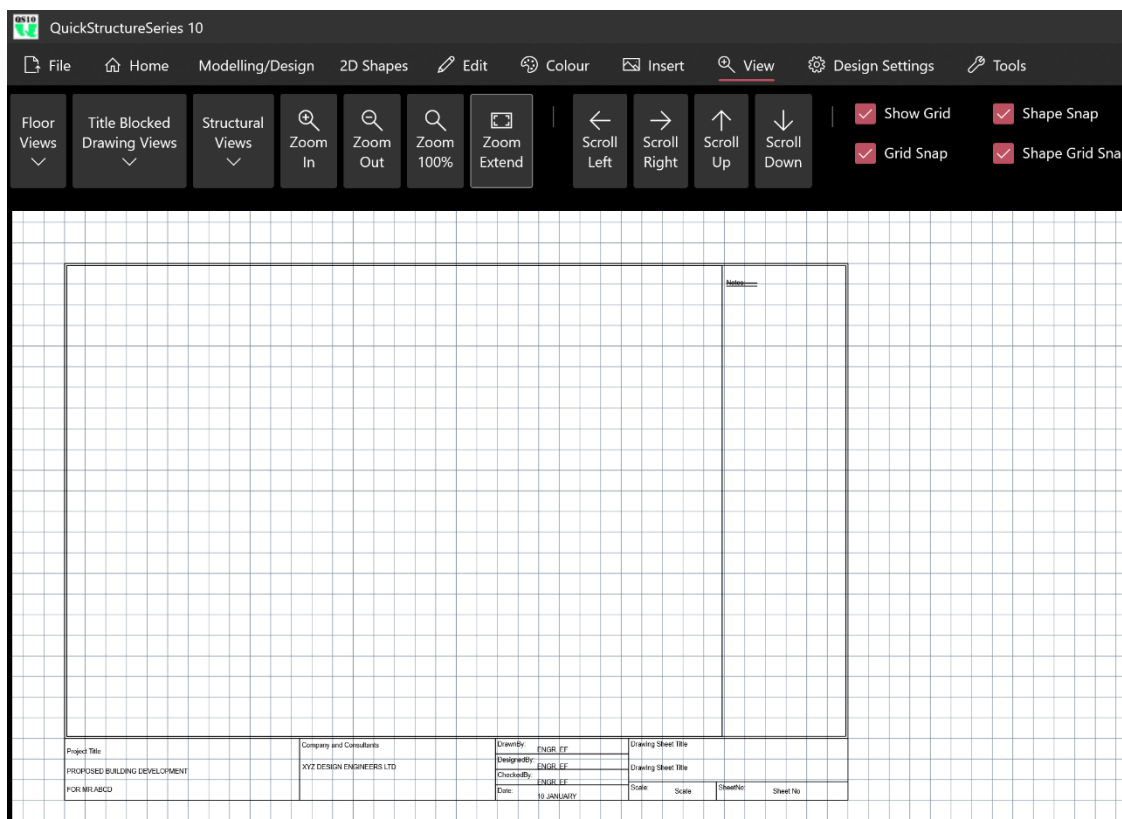
This is to make sure that rectangles are not filled. We need them to be not solid.

2. Import the AutoCAD DXF Title block drawing.

- Click File and click Import AutoCAD DXF Drawing.



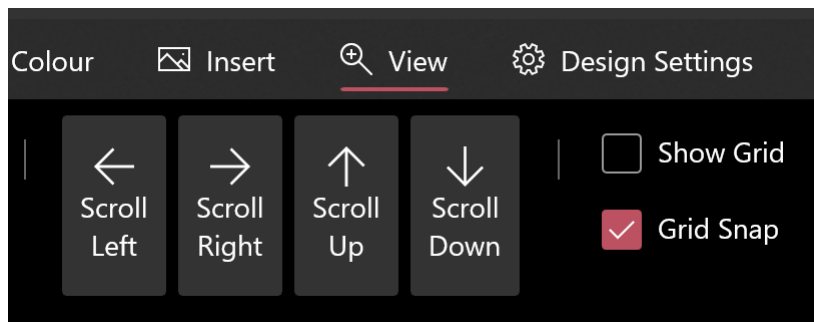
3. Click View and click Zoom Extend



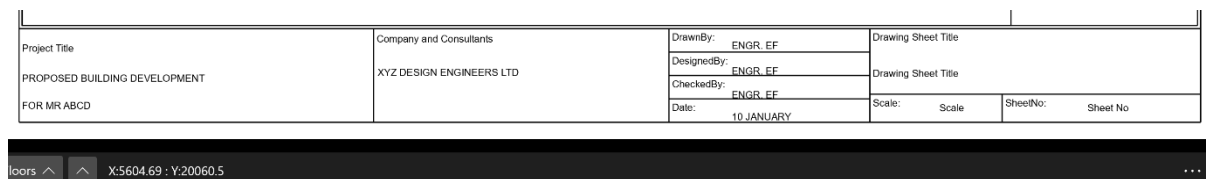
Now we will edit this drawing.

4. Click View and uncheck Show Grid

We don't need the grid.



5. Change the font size of some of the title block text.

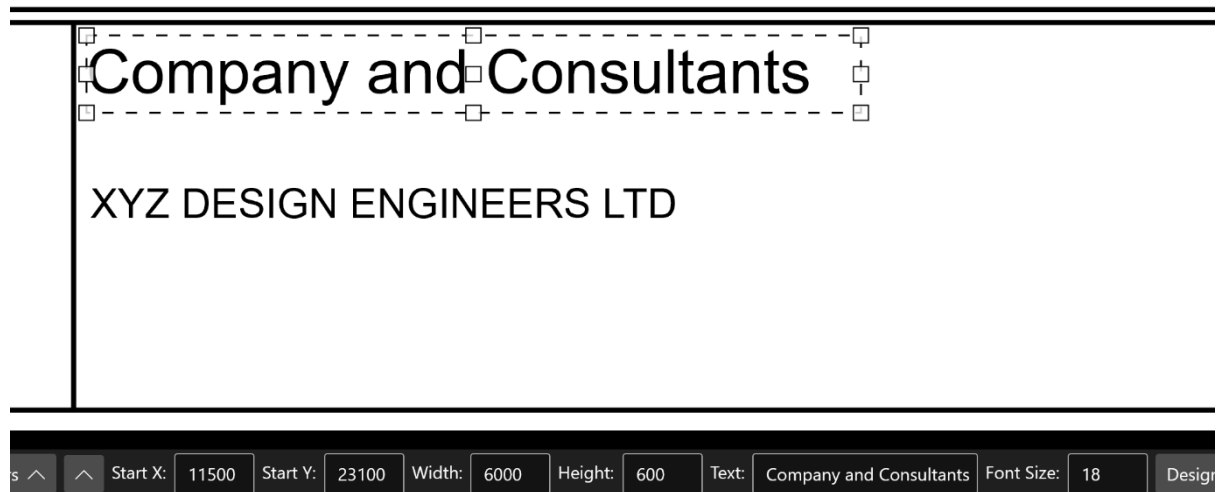


- Select the Project Title
- Set the start X:100, start Y:23100, Width:2600, Height:600 and Font:18

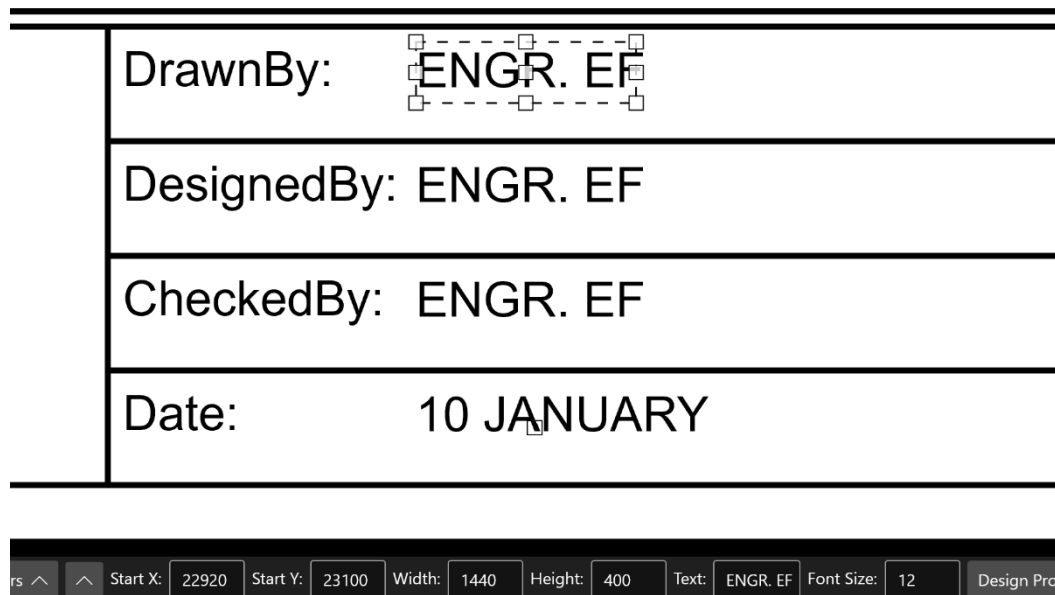


You can also set the font and move the text with the move command.

- Select Company and Consultants
Set the start X:11500, start Y:23100, Width:6000, Height:600 and Font:18



- Select the text next to DrawnBy
Set the start X:22920, start Y:23100, Width:1440, Height:400 and Font:12



- Select the text next to DesignedBy

Set the start X:22920, start Y: 23850, Width:1440, Height:400 and Font:12

- Select the text next to CheckedBy

Set the start X:22920, start Y: 24600, Width:1440, Height:400 and Font:12

- Select the text next to Date

Set the start X:22920, start Y: 25350, Width:2000, Height:400 and Font:12

Note: We could use move command to move the text, but I want to place them in an orderly way.

- Select the Drawing Sheet Title text

Set the start X:27460, start Y: 23100, Width:4400, Height:400 and Font:18

Drawing Sheet Title	
Drawing Sheet Title	
Scale: Scale	SheetNo: Sheet No

Start X: 27460	Start Y: 23100	Width: 4400	Height: 600	Text: Drawing Sheet Title	Font Size: 18	Design Properties	X:28052.35 : Y:23249.46
----------------	----------------	-------------	-------------	---------------------------	---------------	-------------------	-------------------------

- Select the Scale text

Set the start X:27460, start Y: 25200, Width:1080, Height:400 and Font:12

Drawing Sheet Title	
Drawing Sheet Title	
Scale: Scale	SheetNo: Sheet No

Start X: 27460	Start Y: 25200	Width: 1080	Height: 400	Text: Scale: Font Size: 12	Design Properties	X:36756.83 : Y:21845.5
----------------	----------------	-------------	-------------	----------------------------	-------------------	------------------------

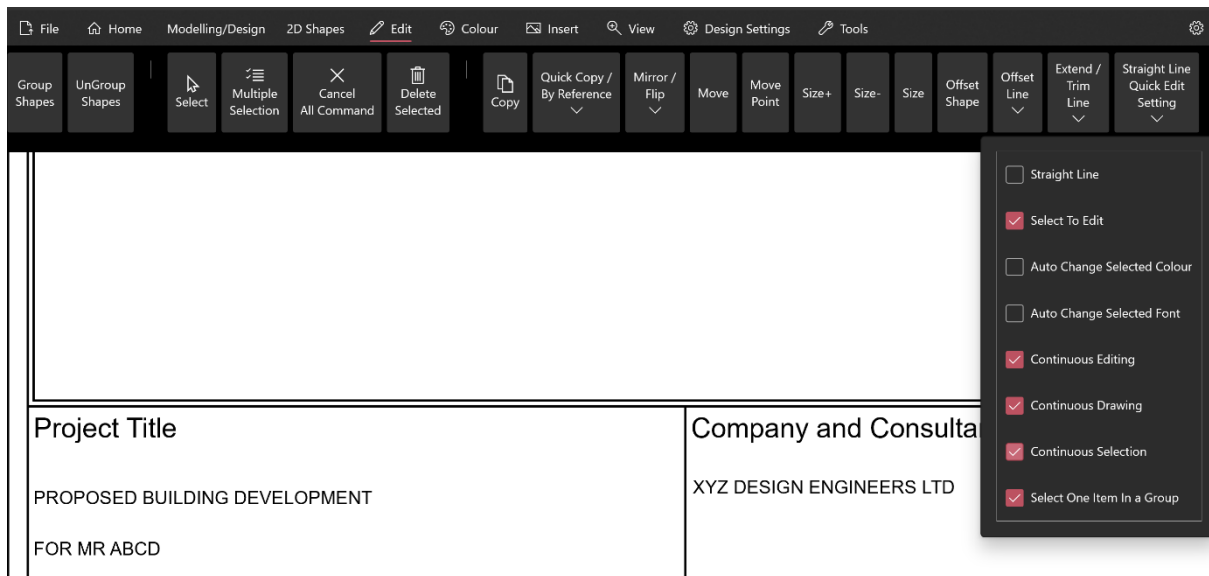
- Select the SheetNo text

Set the start X:31716, start Y: 25200, Width:1440, Height:400 and Font:12

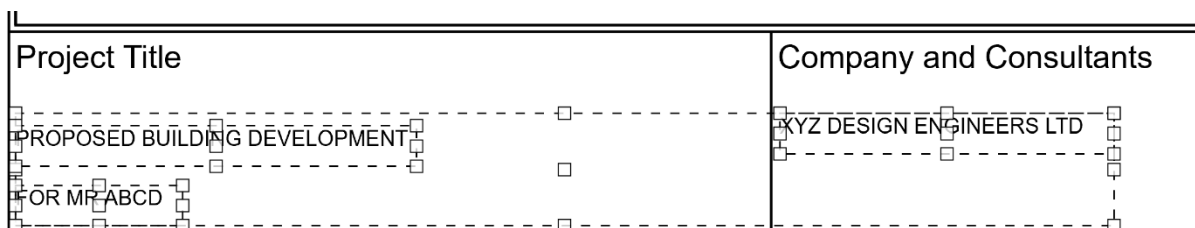
Drawing Sheet Title	
Drawing Sheet Title	
Scale: Scale	SheetNo: Sheet No

Start X: 31716	Start Y: 25200	Width: 1440	Height: 400	Text: SheetNo: Font Size: 12	Design Properties	X:34659.96 : Y:24322
----------------	----------------	-------------	-------------	------------------------------	-------------------	----------------------

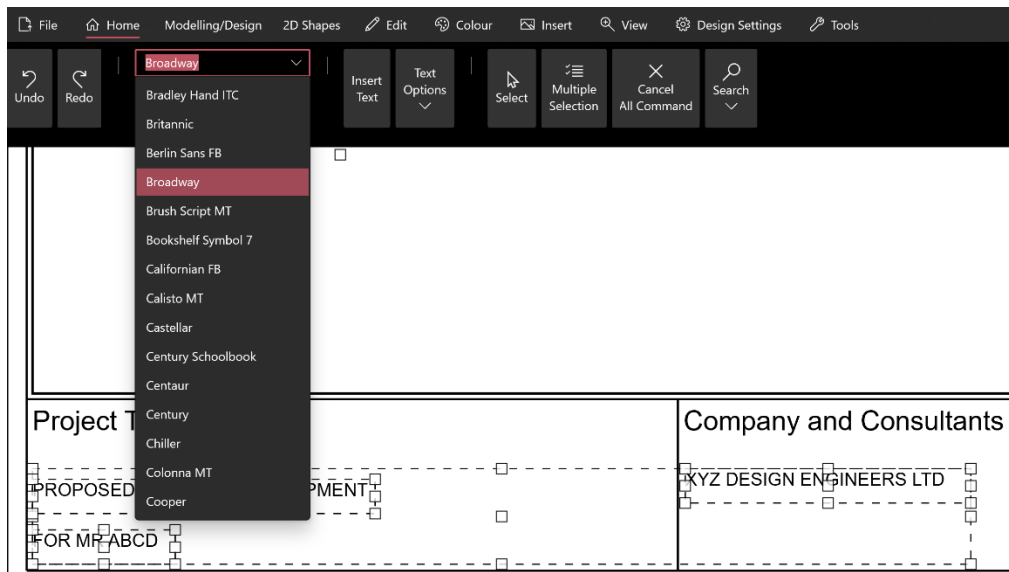
- Click Edit tab, click Straight Line Quick Edit Setting and check Continuous Selection



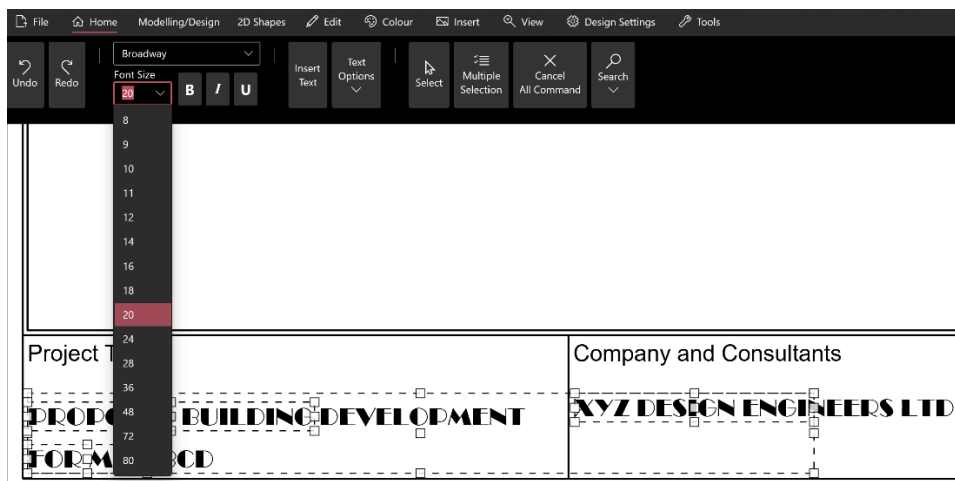
- Click Select and select PROPOSED BUILDING DEVELOPMENT, FOR MR ABCD and XYZ DESIGN ENGINEERS LTD text



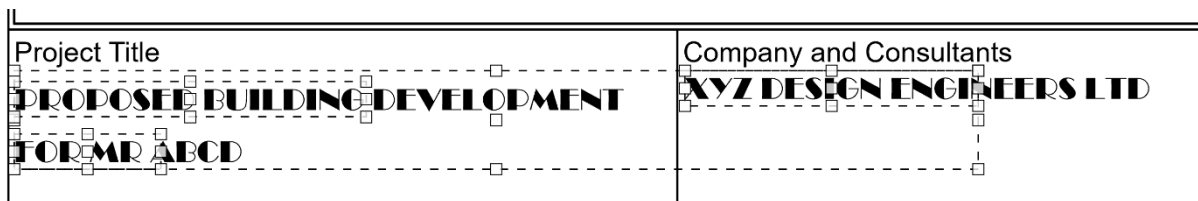
- Click Home and change the Font Style to Broadway



- Change the Font Size to 20



- Click Edit tab and click Move, click the selected text and move it up



- Change the font style and size of the Drawing Sheet Title to Broadway and 20
- Scale to Broadway and 16
- Sheet No to Broadway and 16

Drawing Sheet Title Drawing Sheet Title	
Scale: Scale	SheetNo: Sheet No

Remember when you are changing, if it didn't change, change to another font style and come back and change to the one you want.

- Change the Notes Font to Broadway and font size to 18
- Adjust the start Y: 350 to move it up

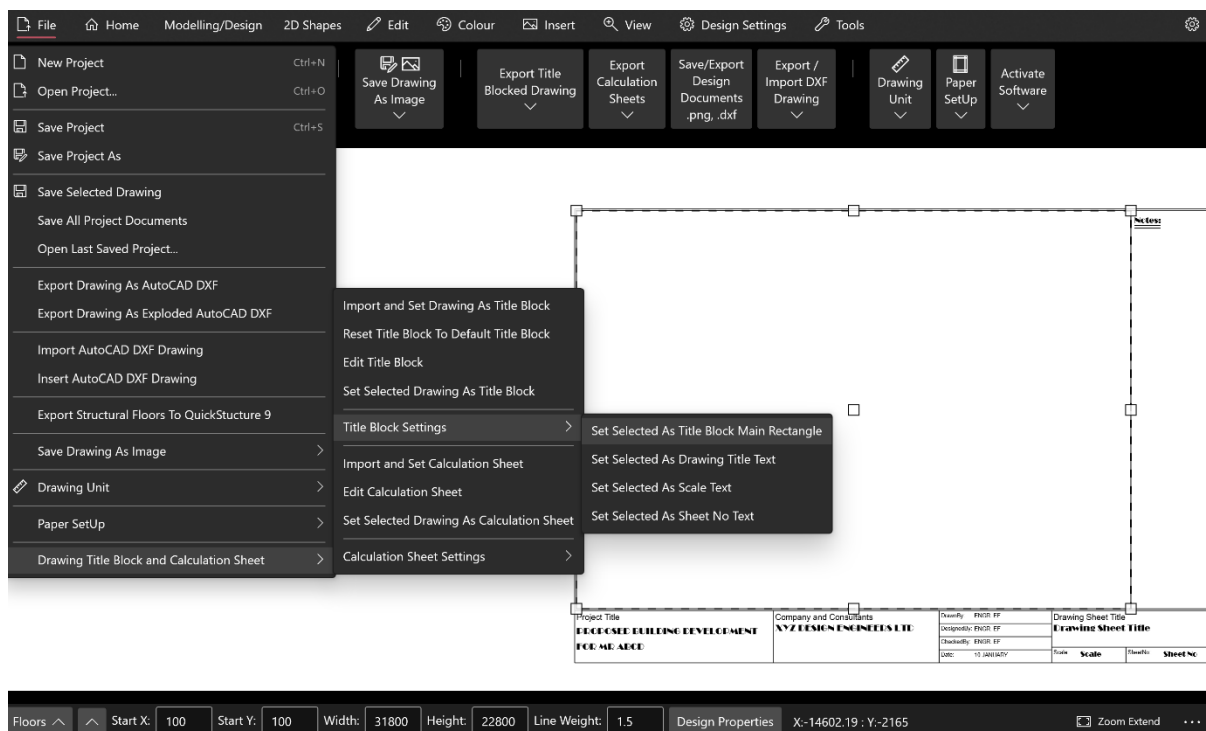
Notes:

Next, we set the most important part of the title block.

Set the most important objects of the title block

6. Set the Title Block Main Rectangle

- Select the rectangle shape.
- Click File, click Drawing Title Block and Calculation Sheet, click Title Block Settings and click Set Selected As Title Block Main Rectangle.



This will let the software know where to display the drawing in.

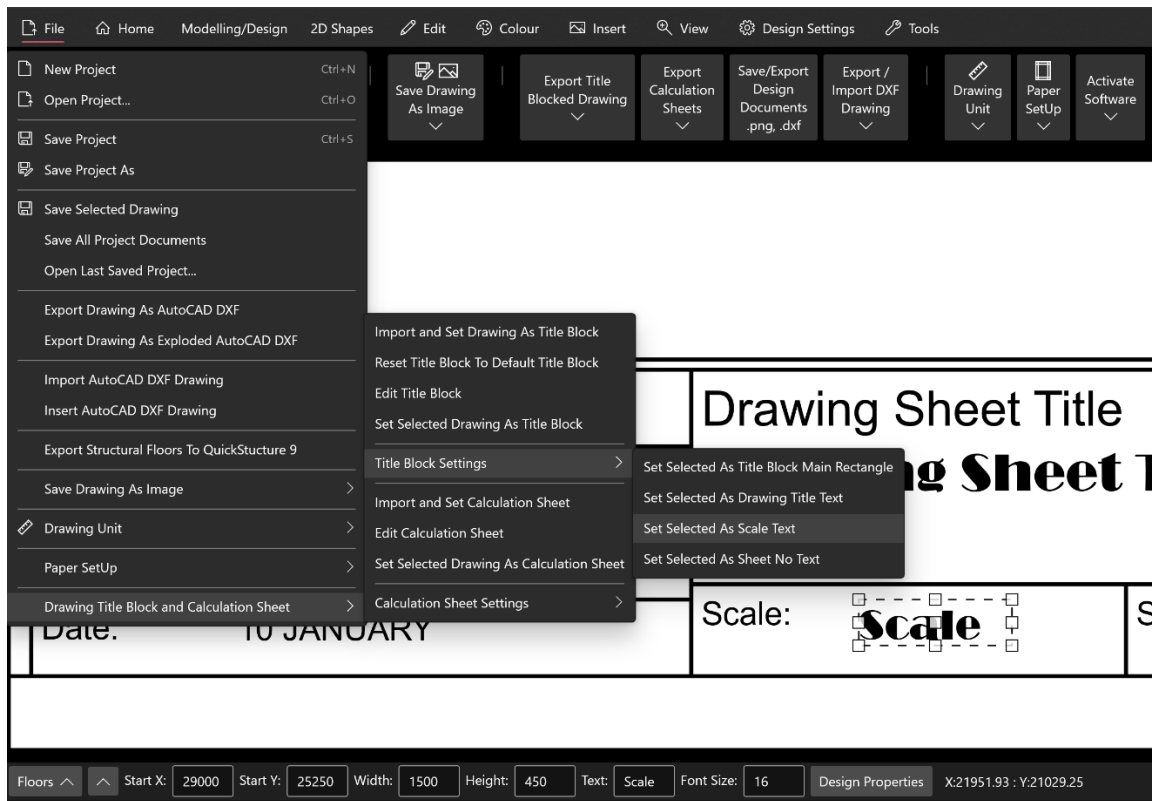
7. Set the Drawing Sheet Title Text

- Select the Drawing Sheet Title Text
- Click File, click Drawing Title Block and Calculation Sheet, click Title Block Settings and click Set Selected As Drawing Title Text.



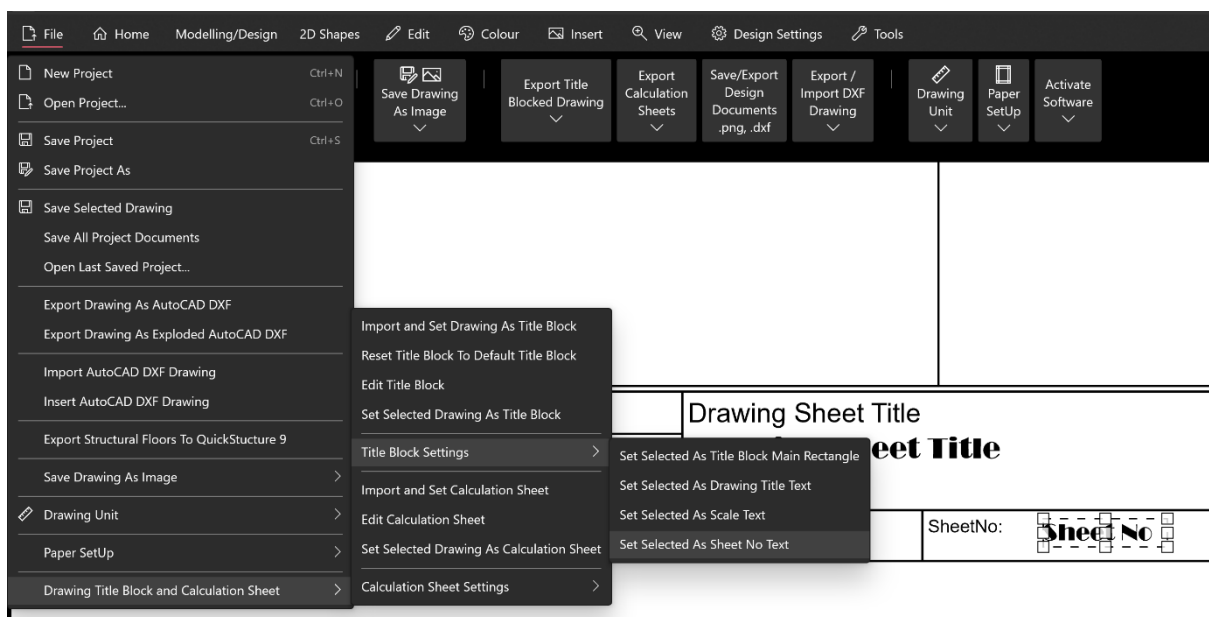
8. Set the Scale Text

- Select the Scale Text
- Click File, click Drawing Title Block and Calculation Sheet, click Title Block Settings and click Set Selected As Scale Text.



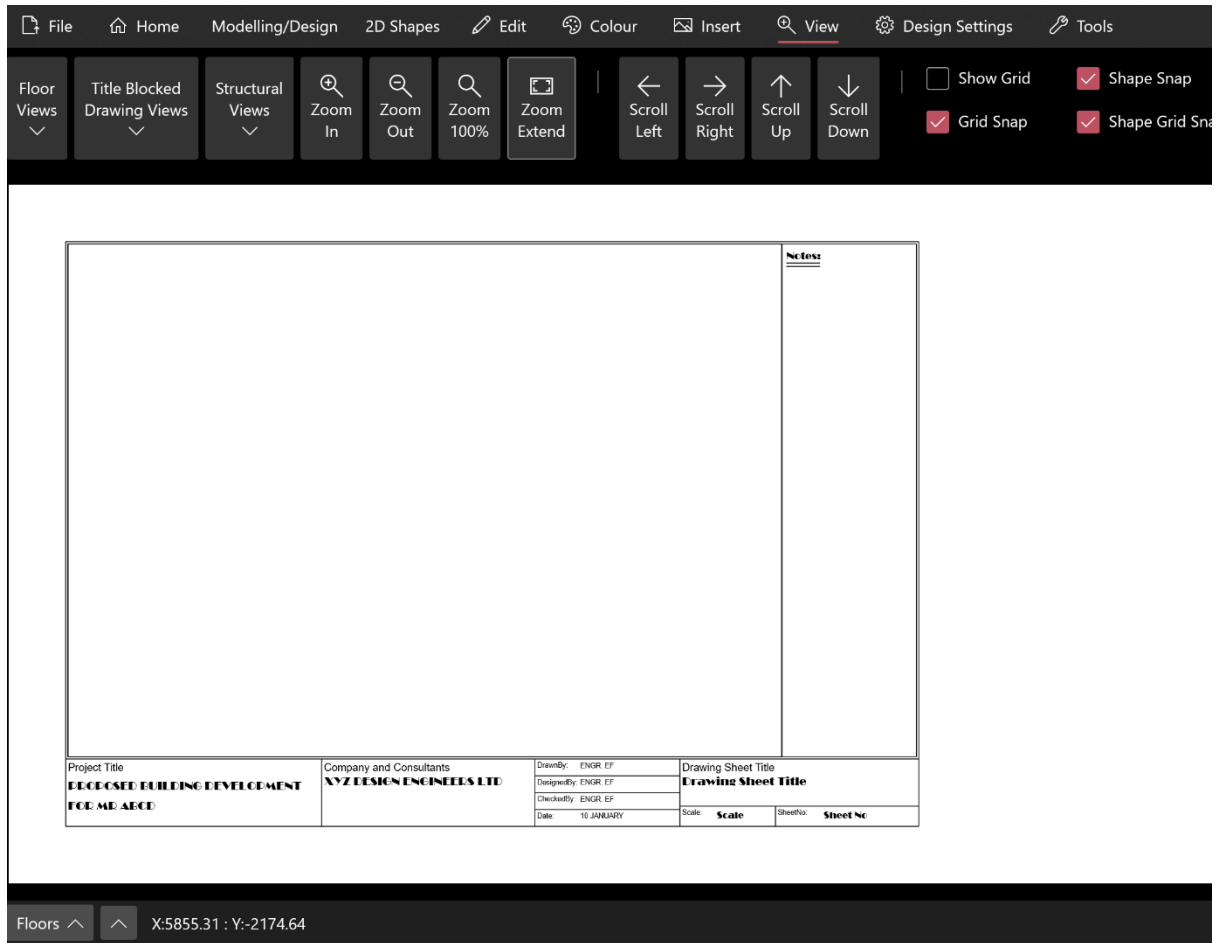
9. Set the Sheet No Text

- Select the Sheet No Text
- Click File, click Drawing Title Block and Calculation Sheet, click Title Block Settings and click Set Selected As Sheet No Text.

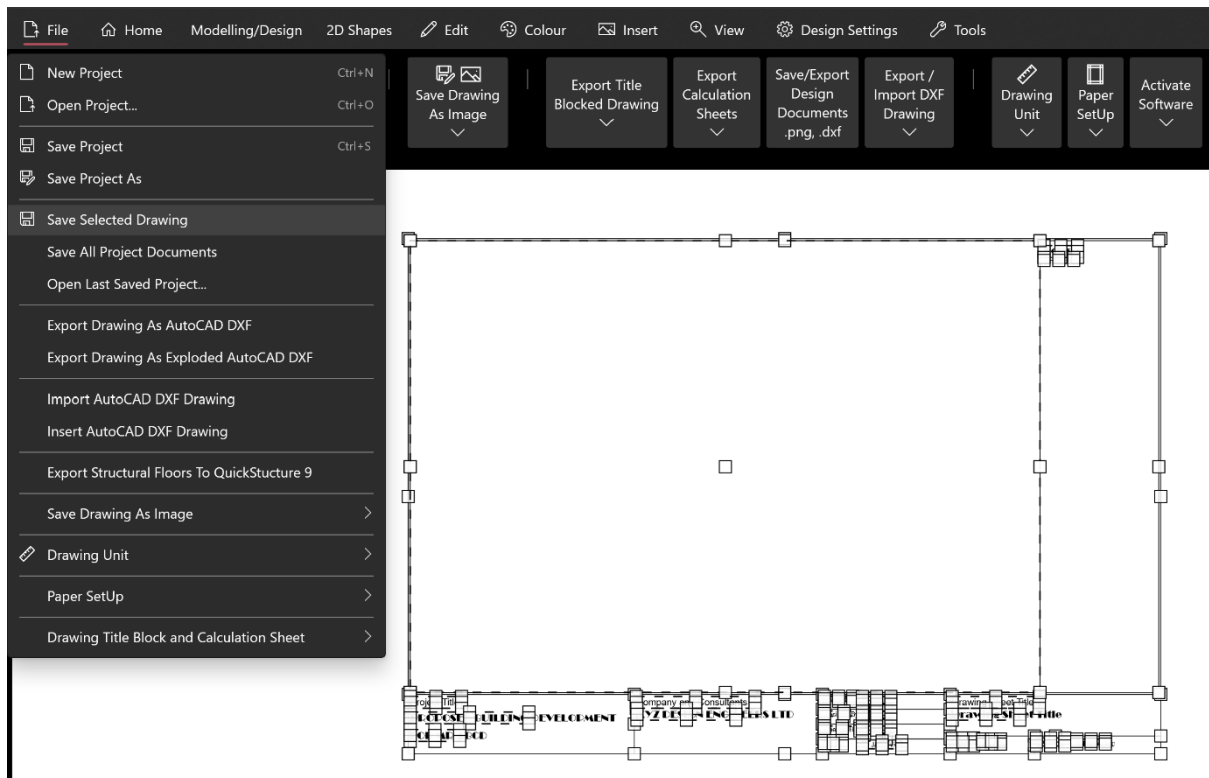


Now we are done with our editing.

- Click Edit and click Cancel All Active Command
- Zoom Extend



10. Multiple Select the Title Block, click File and click Save Selected Drawing. File Name: Title Block 4



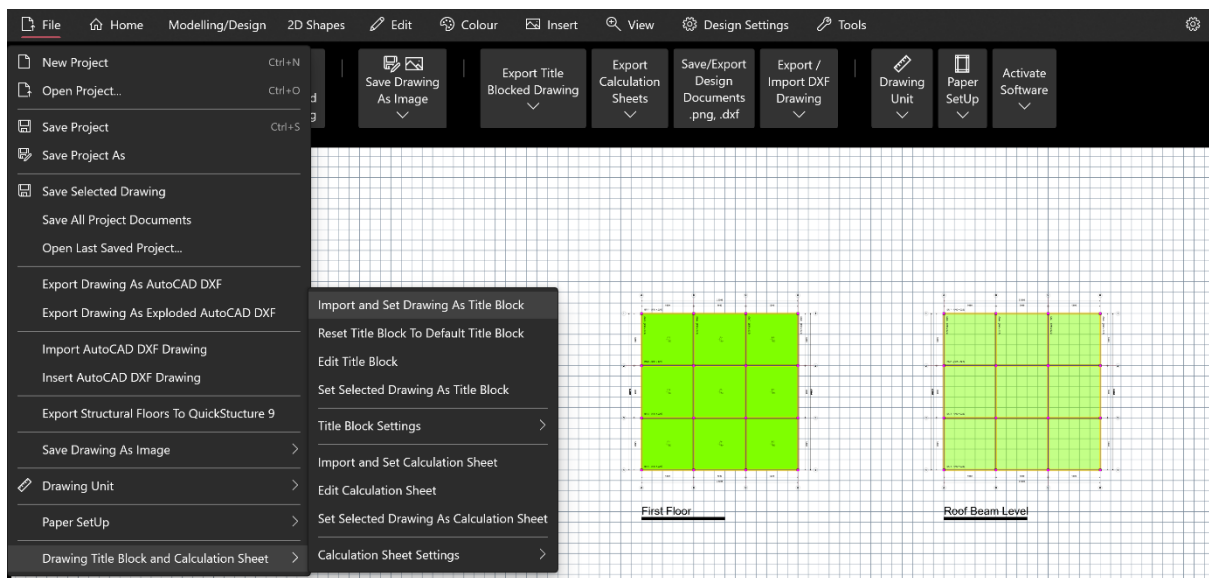
Note: Is always good to Select the title block and save to make sure you are saving only the intended title block drawing.

At this point the work is done, the title block can be imported and used as we did before.

Use the title block in a project

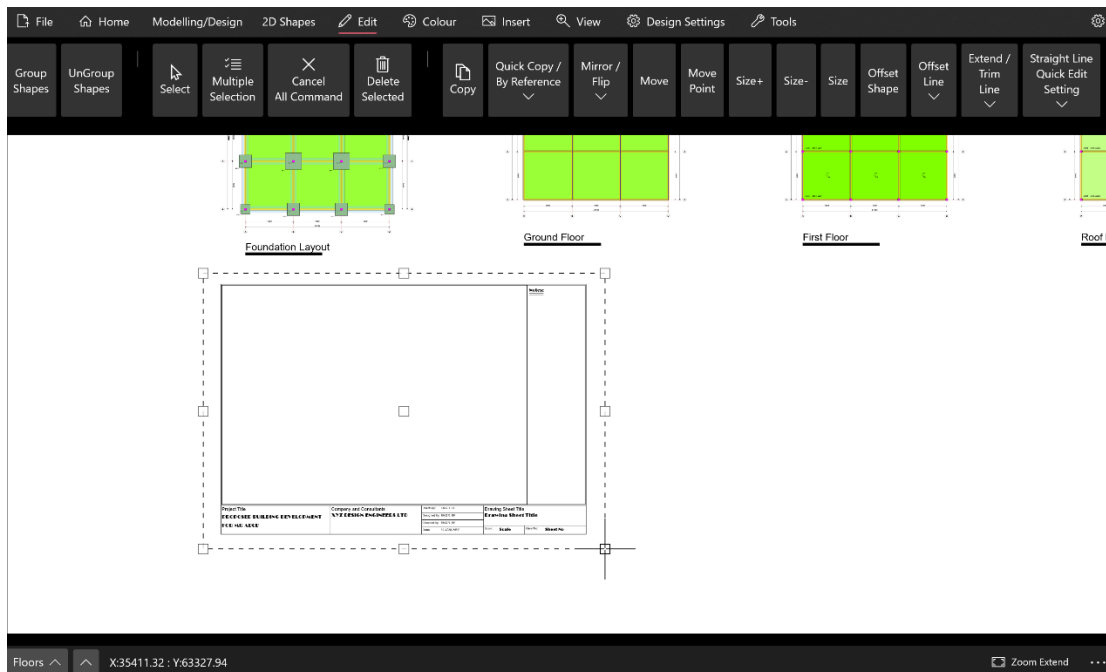
11. Open a new project or Existing project

12. Click File, click Drawing Title Block and Calculation Sheet and click Import and Set Drawing As Title Block.



- Select the Saved title block drawing: Title Block 4
- Click View and click Zoom Extend

13. Click Edit, click Multiple Selection and select the title block.



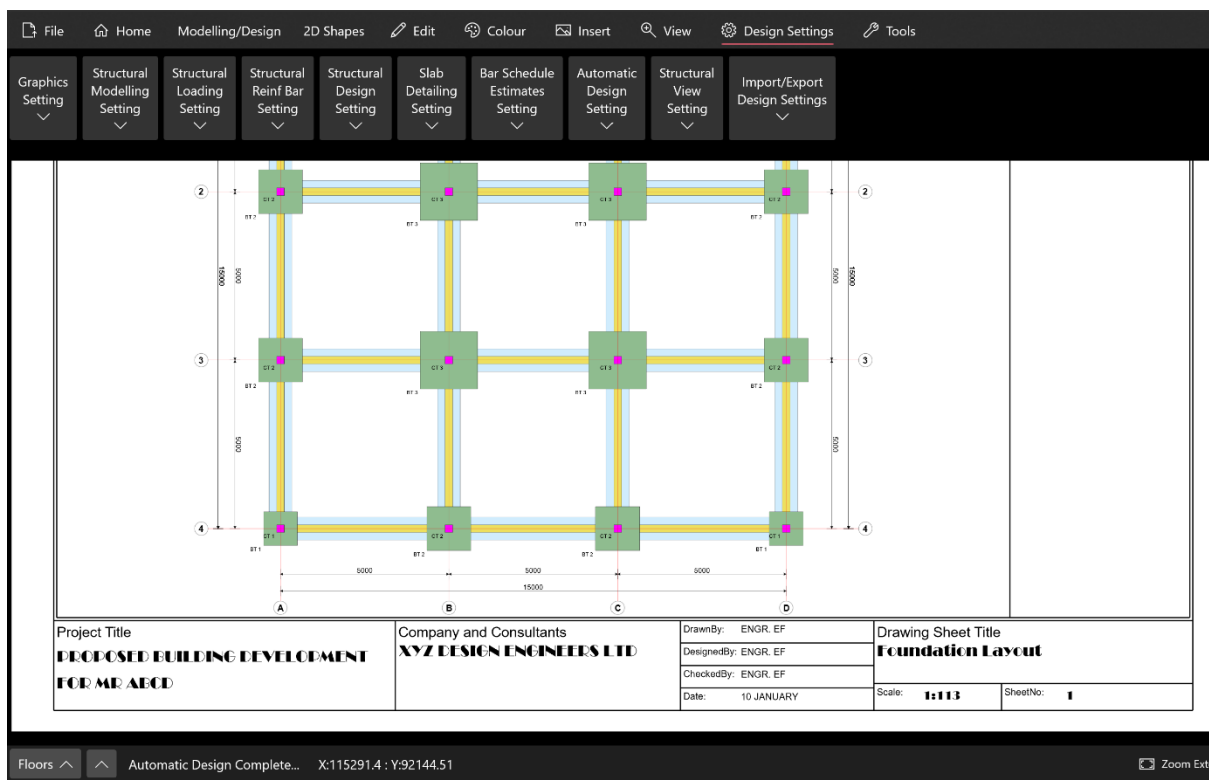
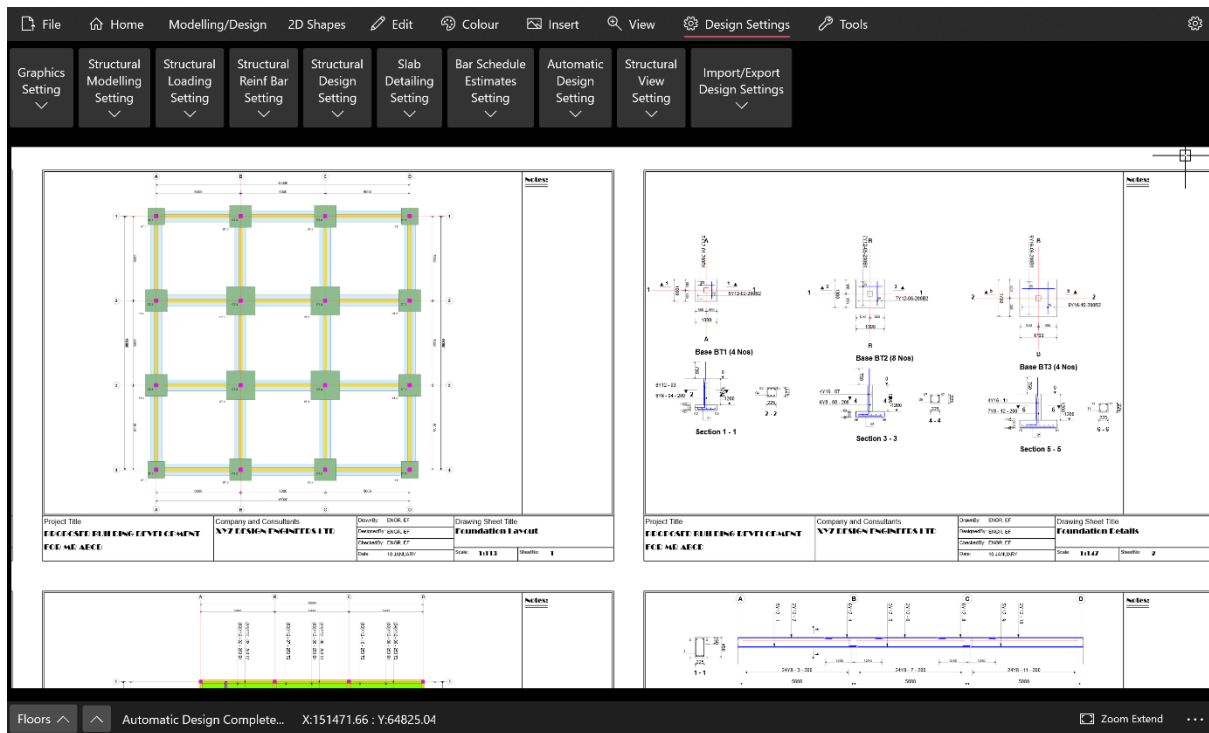
14. Click Delete Selected to Delete the title block.

We don't need it in the drawing window anymore. Is now internally in the software.

15. Run Automatic Design.

- Click Design Settings and Click Automatic Design Setting.
- Scroll down and check Edit Title Block.
Make sure there is no entry in the textboxes just like the image above.
- Uncheck Edit Title Block
- Click Start Automatic Design

After Automatic Design, the details is done with our imported title block



Note:

- As you can see from the above examples, we have done the title block is fully customisable. You can start with the default title block and customise it to suit your needs.

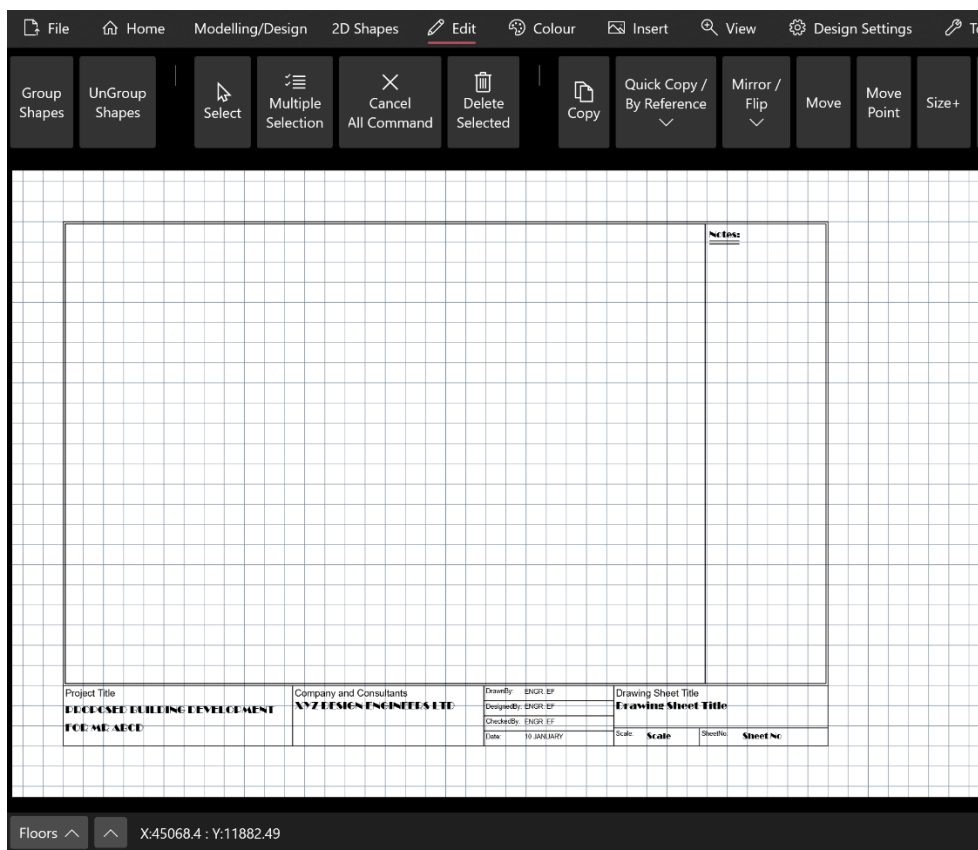
You can also import your own title block and use it in the software. You edit it once and you can use it repeatedly.

- The title block is just like any other shapes, just remember to set the main rectangle, drawing sheet title, scale and sheet no.
- You can also add company logo to the title block.

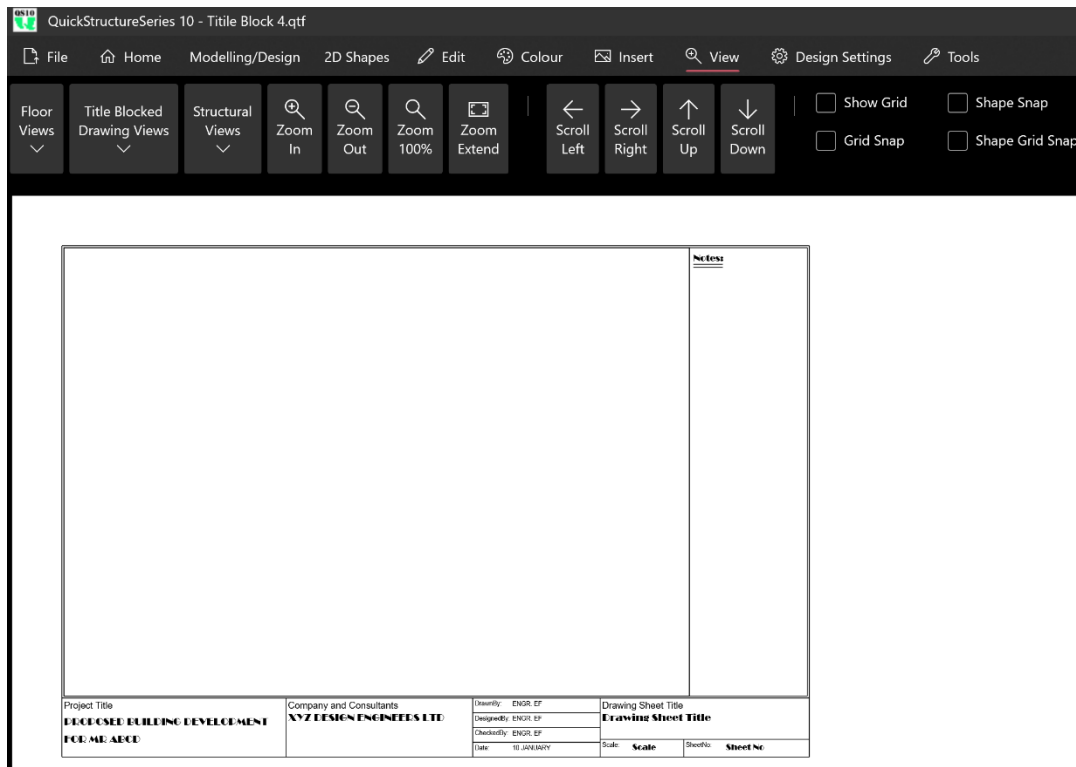
How to Add company logo

You can add your company logo in the title block.

1. Open the last title block we created.
 - Open a new QS10 software window
 - Click File and click Open Project

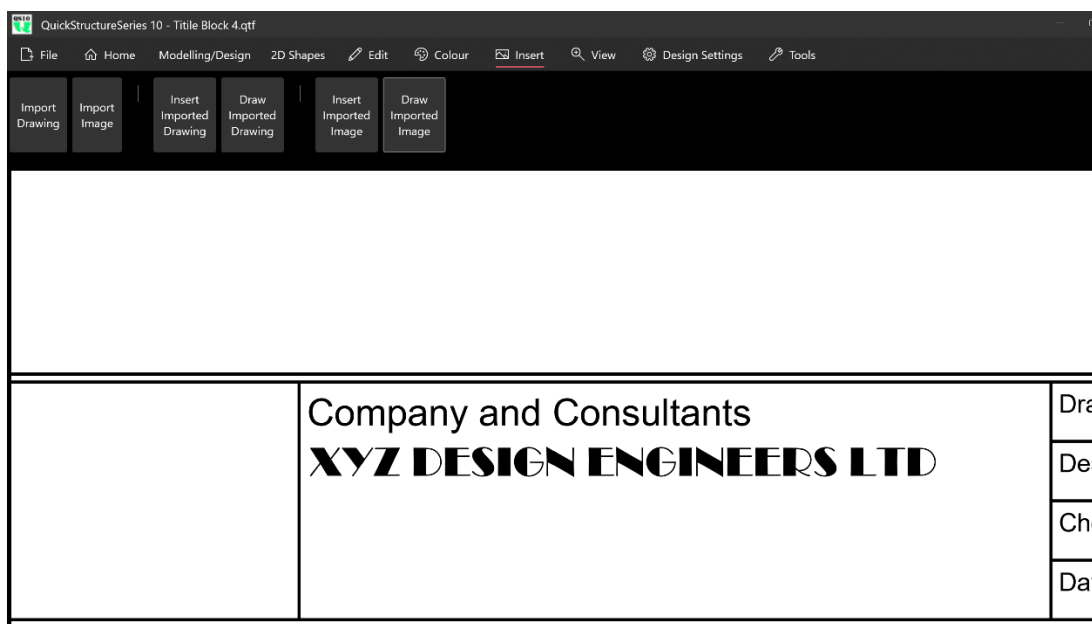


2. Click View and uncheck Show Grid, Grid Snap, and Shape Snap

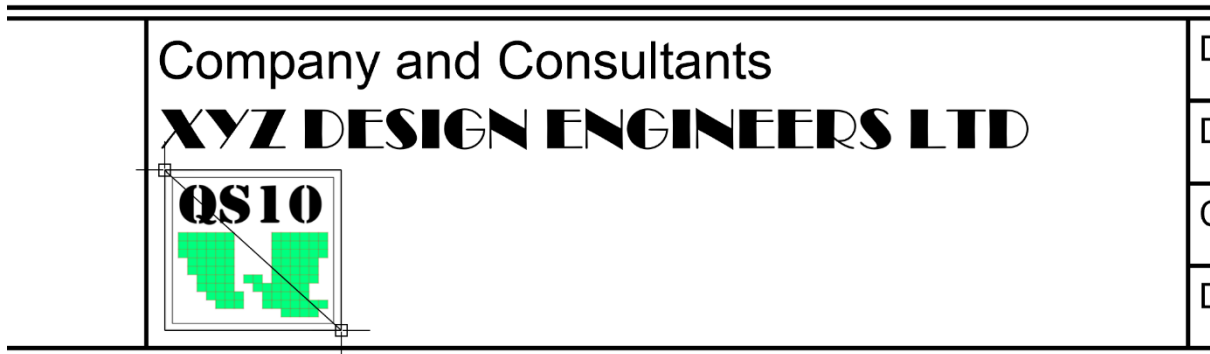


We need to draw the image without snapping.

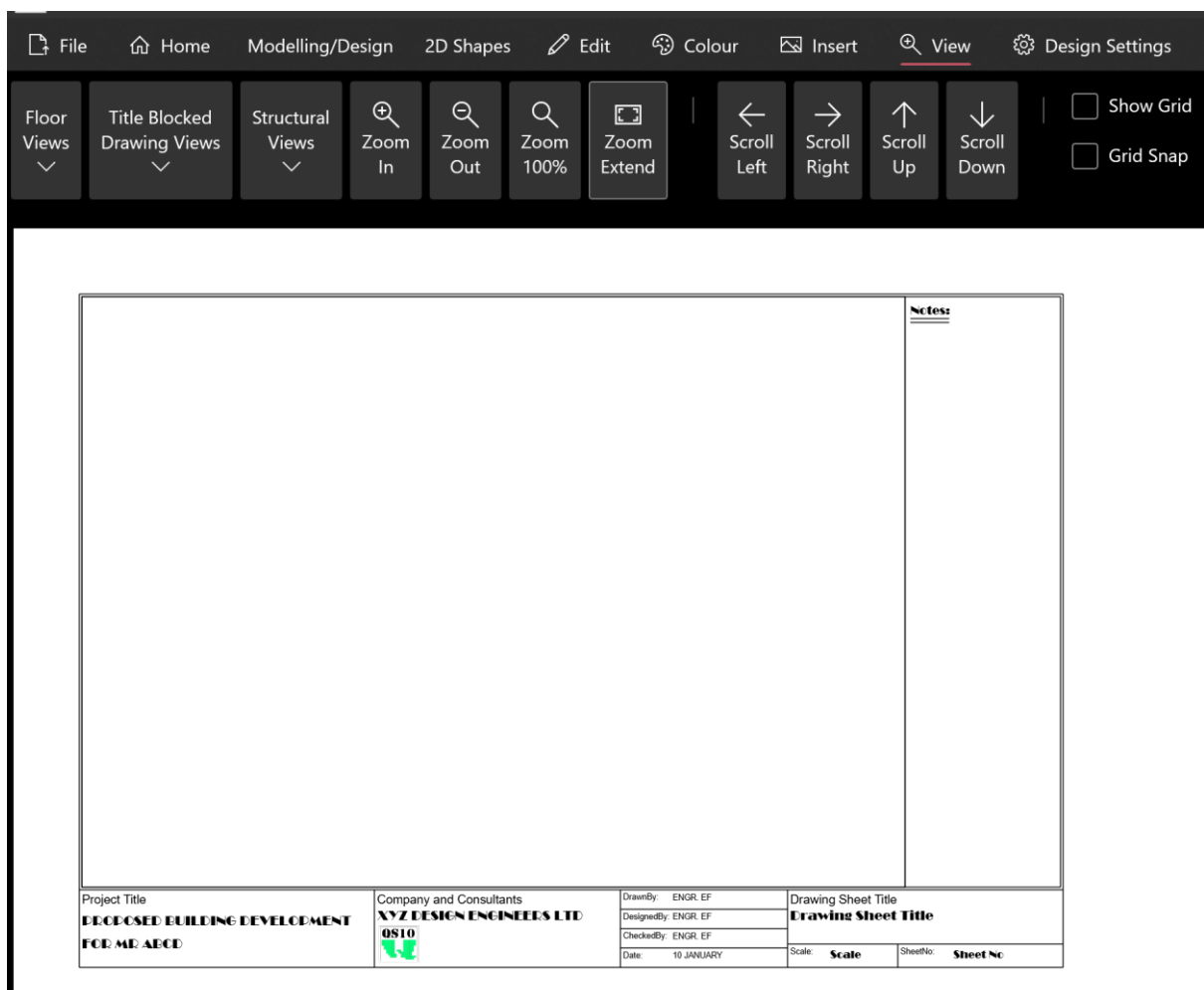
3. Zoom into the consultant space, click view and click Draw Imported Image.



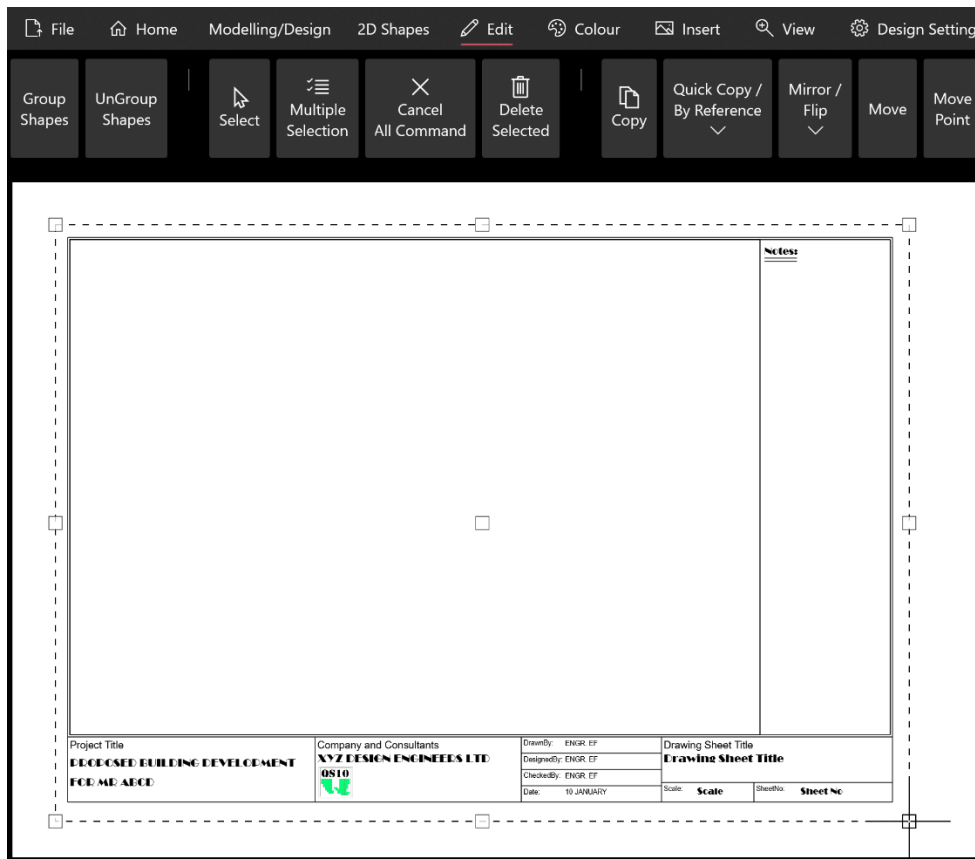
- In the diagram box that shows, select the Image you want to use and click open.
- Click between two points to draw the image.



4. Click View and click Zoom Extend



5. Click Edit, click Multiple Selection and select the title block.



6. Click File and click Save Selected Drawing
- File name: Title Block 5

Now we have saved the title block, we can use it like we did before.

