T350 Application User Manual Plugin: Checking of Manualediting Works

Introduction

- This plugin can highlight the manual-editing works in Revit files.
- For avoidance of doubt, elements and information shown on the generated 2D Plans/Sections/Elevations/ Schedules/ Details that linked up with the BIM model that would be updated automatically according to the changes of the BIM model would not be considered as manual-editing works.
- Limitation of Plugin

For the schedules on the 2D plans which are generated using the built-in function "Schedules / Quantities" of Revit with "linked" values to the BIM model, they would not be checked by the plugin. However, users can verify the figures in the schedules against their "true values" from BIM model and check whether the figures in the schedules have been manually edited. The methodology can be referred to p.20 to p.23 of this manual.

Scope and Summary of Functions

- Manual-editing works (MEW) that can be highlighted by the plugin includes:
 - Detail Line
 - Text
 - Filled Region
 - Masking Region
 - Symbol
 - Dimension on 2D plan with replaced value, or value rounded up to the nearest 10 or above

Notes

- The plugin can only highlight manual-editing works which exist in a project file. It does not provide any track change function and cannot detect manualediting works which are deleted in a project file.
- By default, the plugin will only check manual-editing works presented on "drawing sheets", which normally correspond to the contents of the statutory submission. Setting can be changed to cover checking of all manual-editing works in a project file.

Operation Details - How to use this manual





1 Two options: "Check for sheets only" or "Check for all view" are available. For submission which contains one Revit file only. "Check for sheets only" is adequate. Computer processing time is relatively quick. User can decide whether you want to save the result or not.







Checking of Manual-editing Works Version



Checking of Manual-editing Works Version



1 It is not necessary to review all "view" listed in excel, as some of them are irrelevant to statutory submission





Revert Manual-editing works



Change Background to Black & White



Cross check no. of MEW by Revit functions





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plugin functions.

Save the Works



Save the Works



Methodology to verify the figures in the Schedules against their "true values" from BIM model



Methodology to verify the figures in the Schedules against their "true values" from BIM model

Step 4:

Double click the table inside the Sheet to open the Schedule.



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Methodology to verify the figures in the Schedules against their "true values" from BIM model

Step 5: Select "Edit" button next to "Formatting" inside the "Properties" window.

Step 6: Select "Area" under Fields.

Step 7: Untick the "Hidden Field".

Step 8: Press OK button.

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dentity Data	*	E21 F22	CORRIDOR				1.935 m ²								
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Formatting	Edit.	Eb5	NON-STRUCTURAL PREFABRICA	ATED EXTERNAL WALL			0.423 mª								
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Methodology to verify the figures in the Schedules against their "true values" from BIM model

Step 9:

A column showing the true values of the area from the BIM model will now be displayed. You can verify the figures in the Schedules against their true values from the BIM model by visual inspection.

Α	В	с	D
ider com	mon corridor and lift lobby:		
E02	CORRIDOR	2.259 m ²	
E03	CORRIDOR	6.213 m ² St	en 9
E21	CORRIDOR	1.935 m ²	- 4-
E22	CORRIDOR	5.508 m²	
n-structu	ural prefabricated external wall:	15.915 m²	1:
Eb1	NON-STRUCTURAL PREFABRICATED EXTERNAL WALL	0.423 m ²	
Eb2	NON-STRUCTURAL PREFABRICATED EXTERNAL WALL	0.423 m ²	
Eb3	NON-STRUCTURAL PREFABRICATED EXTERNAL WALL	0.423 m ²	
Eb4	NON-STRUCTURAL PREFABRICATED EXTERNAL WALL	0.423 m²	
Eb5	NON-STRUCTURAL PREFABRICATED EXTERNAL WALL	0.423 m²	/
Eb6	NON-STRUCTURAL PREFABRICATED EXTERNAL WALL	0.423 m²	
Eb7	NON-STRUCTURAL PREFABRICATED EXTERNAL WALL	0.423 m ²	
Eb8	NON-STRUCTURAL PREFABRICATED EXTERNAL WALL	0.423 m ²	1
Eb9	NON-STRUCTURAL PREFABRICATED EXTERNAL WALL	0.423 m ²	
Eb10	NON-STRUCTURAL PREFABRICATED EXTERNAL WALL	0.423 m ²	
Eb11	NON-STRUCTURAL PREFABRICATED EXTERNAL WALL	0.595 m ²	1
Eb12	NON-STRUCTURAL PREFABRICATED EXTERNAL WALL	0.595 m²	
Eb13	NON-STRUCTURAL PREFABRICATED EXTERNAL WALL	0.795 m ²	
Eb14	NON-STRUCTURAL PREFABRICATED EXTERNAL WALL	0.795 m ²	
Eb15	NON-STRUCTURAL PREFABRICATED EXTERNAL WALL	0.795 m ²	
Eb16	NON-STRUCTURAL PREFABRICATED EXTERNAL WALL	0.795 m ²	
Eb17	NON-STRUCTURAL PREFABRICATED EXTERNAL WALL	0.795 m ²	
Eb18	NON-STRUCTURAL PREFABRICATED EXTERNAL WALL	0.795 m ²	
Ec1	NON-STRUCTURAL PREFABRICATED EXTERNAL WALL	0.188 m ²	
Ec2	NON-STRUCTURAL PREFABRICATED EXTERNAL WALL	0.188 m ²	
Ec3	NON-STRUCTURAL PREFABRICATED EXTERNAL WALL	0.188 m ²	
Ec4	NON-STRUCTURAL PREFABRICATED EXTERNAL WALL	0.188 m ²	
Ec5	NON-STRUCTURAL PREFABRICATED EXTERNAL WALL	0.188 m ²	
Ec6	NON-STRUCTURAL PREFABRICATED EXTERNAL WALL	0.188 m ²	
Ec7	NON-STRUCTURAL PREFABRICATED EXTERNAL WALL	0.188 m ²	
Ec8	NON-STRUCTURAL PREFABRICATED EXTERNAL WALL	0.188 m²	
Ec9	NON-STRUCTURAL PREFABRICATED EXTERNAL WALL	0.188 m ²	
Ec10	NON-STRUCTURAL PREFABRICATED EXTERNAL WALL	0.188 m²	
Ec11	NON-STRUCTURAL PREFABRICATED EXTERNAL WALL	0.215 m²	
Ec12	NON-STRUCTURAL PREFABRICATED EXTERNAL WALL	0.215 m²	
Ec13	NON-STRUCTURAL PREFABRICATED EXTERNAL WALL	0.403 m ²	
Ec14	NON-STRUCTURAL PREFABRICATED EXTERNAL WALL	0.403 m ²	
		13.310 m²	1
E28	EXEMPED LIFT SHAFT AREA PER FLOOR	7.431 m ²	

True values from BIM model.