

Create Quantity Measurement Worksheet

1. In the **Quantity Measurement Worksheet** group, click **New**, and the **Edit Report** window appears.

The screenshot shows the 'Edit Report' window. On the left, there is a list of attributes under 'PublicAttribute' with checkboxes: SIN, Zone, Floor (checked), Element Type, Entity ID, Location (checked), Number, Length/L (checked), Width/W (checked), Height/H (checked), Slab Thickness, Beam Depth, Name (checked), Material, Section Shape, Section Width, Section Height, Concrete Grade, Formwork Type, Entity Type, Concrete Type, Grout Type, Mortar Type, Mortar Grade, Grout Content, Steel Ratio, Entity Object T..., Associated C..., and Associated P... The main area shows a table with columns: Classification Condition, Location, Name, Length/L, Width/W, Height/H. A 'Sum Row' is visible. A 'Preview Format' button is on the right. Below the preview, there is a 'Sample' stamp and a table titled 'Quantity Measurement Worksheet-2'.

Quantity Measurement Worksheet-2
Project Name: PROJECTS2 Compile Date: 2019-03-01

Floor	Location	Name	Length/L	Width/W	Height/H	Volume(m3)
2st Floor	<2;O-100>	Column-1	0.200	0.400	3.000	0.240
	<2;M+100>	Column-1	0.200	0.400	3.000	0.240
	<4;M+100>	Column-1	0.200	0.400	3.000	0.240
	<4;O-100>	Column-1	0.200	0.400	3.000	0.240
	<6+350;O+400>	Column-1	0.200	0.400	3.000	0.240
	<6+350;M+600>	Column-1	0.200	0.400	3.000	0.240
	<4+350;M+600>	Column-1	0.200	0.400	3.000	0.240
	<4+350;O+400>	Column-1	0.200	0.400	3.000	0.240
	<7+100;O>	Column-1	0.200	0.400	3.000	0.240
	<7+100;M+200>	Column-1	0.200	0.400	3.000	0.240

2. Click **Set Element Type and Quantity**, and the following window appears.

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Set Element Type and Quantity

Select Element Type

- All
 - Column
 - Column
 - Stiffener
 - Corbel
 - Wall
 - Wall
 - Curtain Wall
 - Vertical Projection
 - Horizontal Projection
 - Door/Window Opening
 - Door
 - Window
 - DoorWin
 - Wall Opening
 - Ribbon Window
 - Ribbon Opening
 - Bay Window
 - Dormer
 - Lintel
 - Niche
 - Skylight
 - Beam
 - Beam
 - Coupling Beam

Show existing element type
 Show selected element type

Select Quantity

Public Quantity Private Quantity

- All
 - Volume
 - Area of Formwork
 - Area of Formwork for Strutting High
 - Weight of Rebar
 - Number

OK Cancel

3. Select the element types and quantities you want to show in reports, and then click **OK**.

4. When editing the report format, you can click **Insert Row Below** or **Insert Column Right** to add cells for editing.

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Project Name: PROJECTS2 Compile Date: 2019-03-01

Floor	Location	Name	Length/L	Width/W	Height/H	Volume(m3)
2st Floor	<2;O-100>	Column-1	0.200	0.400	3.000	0.240
	<2;M+100>	Column-1	0.200	0.400	3.000	0.240
	<4;M+100>	Column-1	0.200	0.400	3.000	0.240
	<4;O-100>	Column-1	0.200	0.400	3.000	0.240
	<6+350;O+400>	Column-1	0.200	0.400	3.000	0.240
	<6+350;M+600>	Column-1	0.200	0.400	3.000	0.240
	<4+350;M+600>	Column-1	0.200	0.400	3.000	0.240
	<4+350;O+400>	Column-1	0.200	0.400	3.000	0.240
	<7+100;O>	Column-1	0.200	0.400	3.000	0.240
	<7+100;M+200>	Column-1	0.200	0.400	3.000	0.240

5. Go to an empty cell, double click the classification condition on the left to apply it to the corresponding cell.

Quantity Measurement Worksheet-2

Project Name: PROJECTS2 Compile Date: 2019-03-01

Floor	Location	Name	Length/L	Width/W	Height/H	Volume(m3)
2st Floor	<2;O-100>	Column-1	0.200	0.400	3.000	0.240
	<2;M+100>	Column-1	0.200	0.400	3.000	0.240
	<4;M+100>	Column-1	0.200	0.400	3.000	0.240
	<4;O-100>	Column-1	0.200	0.400	3.000	0.240
	<6+350;O+400>	Column-1	0.200	0.400	3.000	0.240
	<6+350;M+600>	Column-1	0.200	0.400	3.000	0.240
	<4+350;M+600>	Column-1	0.200	0.400	3.000	0.240
	<4+350;O+400>	Column-1	0.200	0.400	3.000	0.240
	<7+100;O>	Column-1	0.200	0.400	3.000	0.240
	<7+100;M+200>	Column-1	0.200	0.400	3.000	0.240
Sum Row						

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6. To view the report format under editing, Click **Preview Format**.

The screenshot shows the 'Edit Report' dialog box with a list of attributes on the left and a preview window on the right. The 'Element Type' attribute is selected. The preview window displays a 'Quantity Measurement Worksheet-2' for 'PROJECTS2' compiled on '2019-03-01'. The table below shows the data for the 2nd floor.

Floor/Element Type	Location	Name	Length/L	Width/W	Height/H	Volume(m3)
2st Floor						
	<2;O-100>	Column-1	0.200	0.400	3.000	0.240
	<2;M+100>	Column-1	0.200	0.400	3.000	0.240
	<4;M+100>	Column-1	0.200	0.400	3.000	0.240
	<4;O-100>	Column-1	0.200	0.400	3.000	0.240
	<6+350;O+400>	Column-1	0.200	0.400	3.000	0.240
	<6+350;M+600>	Column-1	0.200	0.400	3.000	0.240
	<4+350;M+600>	Column-1	0.200	0.400	3.000	0.240
	<4+350;O+400>	Column-1	0.200	0.400	3.000	0.240

7. Click **OK**, and then return to the **Report** module to view real data reports.

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- Quantity Summary + New
- Quantity Summary (by Element) ✓
- Quantity Summary (Column 1) ✓
- Quantity Summary (Column 2) ✓
- Quantity Summary (Door/Window) ✓
- Quantity Summary (Wall Finish) ✓
- Quantity Summary (P-Structure) ✓
- Quantity Summary (P-Finishes) ✓
- Quantity Measurement Worksheet + New
- Quantity Measurement Worksheet (Expression) ✓
- Quantity Measurement Worksheet (Wall) ✓
- Quantity Measurement Worksheet-1 ✓
- Index Summary Analysis
- Single-Unit Concrete Index Table
- Project Overall Index Table
- Concrete Grade Index Table
- Steel Ratio Index Table

Quantity Measurement Worksheet-1

Project Name: PROJECTS2 Compile Date: 2019-03-01

Floor/Element Type	Location	Name	Length/L	Width/W	Height/H	Volume(m3)
Ground Floor						
	<7-524;J+2074>	KZ1	0.450	0.500	3.000	0.675
	<8-1029;J+2074>	KZ4	0.450	0.500	3.000	0.675
	<9-1429;J+2074>	KZ4	0.450	0.500	3.000	0.675
	<9+1666;J+2074>	KZ1	0.450	0.500	3.000	0.675
	<13+76;J+2074>	KZ1	0.450	0.500	3.000	0.675
	<14+171;J+2074>	KZ4	0.450	0.500	3.000	0.675
	<15-229;J+2074>	KZ4	0.450	0.500	3.000	0.675
	<16-134;J+2074>	KZ1	0.450	0.500	3.000	0.675
	<5-224;J+574>	KZ1	0.450	0.500	3.000	0.675
	<7-629;J+574>	KZ1	0.450	0.500	3.000	0.675
	<9+1771;J+574>	KZ1	0.450	0.500	3.000	0.675
	<11-329;J+574>	KZ1	0.450	0.500	3.000	0.675
	<13-29;J+574>	KZ1	0.450	0.500	3.000	0.675
	<16-29;J+574>	KZ1	0.450	0.500	3.000	0.675
	<18+166;J+574>	KZ1	0.450	0.500	3.000	0.675
Column	<18+5621;J+574>	KZ5	0.450	0.500	3.000	0.675
	<18+10971;J+574>	KZ5	0.450	0.500	3.000	0.675

Modeling BQ Report

8. To change report formats or content, edit the report again. Click **Edit**, and go to the **Edit Report** window to modify them.

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Edit Report
✖

All

- Public Attribute
- SIN
- Zone
- ✓ Floor
- ✓ Element Type
- Entity ID
- ✓ Location
- Number
- ✓ Length/L
- ✓ Width/W
- ✓ Height/H
- Slab Thickness
- Beam Depth
- ✓ Name
- Material
- Section Shape
- Section Width
- Section Height
- Concrete Grade
- Formwork Type
- Entity Type
- Concrete Type
- Grout Type
- Mortar Type
- Grout Content
- Mortar Grade
- Steel Ratio
- Entity Object T...
- Associated C...
- Associated P...

Set Element Type and Quantity

Classification Condition	Classification Condition	Classification Condition	Classification Condition	Classification Condition	Classification Condition
		Location	Name	Length/L	Width/W
Floor					
Element Type					
Sum Row					

Preview Format

Sample

Quantity Measurement Worksheet-1

Project Name: PROJECTS2
Compile Date: 2019-03-01

Floor/Element Type	Location	Name	Length/L	Width/W	Height/H	Volume(m3)
2st Floor						
	<2;O-100>	Column-1	0.200	0.400	3.000	0.240
	<2;M+100>	Column-1	0.200	0.400	3.000	0.240
	<4;M+100>	Column-1	0.200	0.400	3.000	0.240
	<4;O-100>	Column-1	0.200	0.400	3.000	0.240
	<6+350;O+400>	Column-1	0.200	0.400	3.000	0.240
	<6+350;M+600>	Column-1	0.200	0.400	3.000	0.240
	<4+350;M+600>	Column-1	0.200	0.400	3.000	0.240
	<4+350;O+400>	Column-1	0.200	0.400	3.000	0.240

OK
Cancel

Note

Quantity Summary
+ New

- Quantity Summary (by Element)
- Quantity Summary (Column 1) ✍
- Qu Copy ✍
- Qu Add Group ✍ Ctrl+R
- Qu Add Subgroup ✍ Ctrl+G
- Qu Import ✍
- Qu Export ✍
- Qual Delete ✍ Del
- Qu Rename ✍ Ctrl+N
- Qu Collapse All ✍ Ctrl+-
- Sir Expand All ✍ Ctrl+=
- Pro

Concrete Grade Index Table

Steel Ratio Index Table

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1. Copy: Support copying reports that can be edited. After copying, you can adjust the report contents and formats.
2. Add Group: Support adding groups, and you can drag reports to corresponding groups.
3. Add Subgroup: Support adding subgroups under groups.
4. Import: Support importing report files the report list.
5. Export: Support exporting all editable reports in the report list for others to reuse them.
6. Delete: Support deleting editable reports.
7. Rename: Support renaming editable reports.
8. Collapse All: Support collapsing all report groups.
9. Expand All: Support expanding all report groups.