

Smart_QuantExtract

Quick User Guide for Revit Plugin

Overview

Smart_QuantExtract helps engineers quickly extract:

- Concrete Volumes
- Reinforcement Weights

All exported into a single Excel file with separate sheets.

STEP 1 – Start by opening your Revit project that you want to analyze.

File

Architecture

Structure

Steel

Precast

Systems

Insert

Annotate

Analyze

Massing & Site

Collaborate

View

Manage

Add-Ins

Modify

Modify

Select

Wall

Door

Window

Component

Column

Roof

Ceiling

Floor

Curtain System

Curtain Grid

Mullion

Railing

Ramp

Stair

Model Text

Model Line

Model Group

Room

Room Separator

Tag Room

Area

Area Boundary

Tag Area

By Face

Shaft

Wall

Vertical

Dormer

Level

Grid

Show

Ref Plane

Viewer

Set

Work Plane

Build

Circulation

Model

Room & Area

Opening

Datum

Work Plane

Properties

Sheet

Sheet: Ground Flo

Edit Type

Graphics

Visibility/Gr...

Edit...

Scale

As indicated

Text

BOQ_Categ...

BOQ_Descri...

BOQ_Item_C...

BOQ_Unit

Material Co...

Properties help

Apply

Project Browser - Dharamshal B...

Views (all)

Structural Plans

01 Top of Footing

02 Plinth Level

03 GF

03 GF Beam

03 GF Slab

04 FF

04 FF Beam

04 FF Slab

05 Attic

05 Attic Floor Beam

06 Roof

Column C1

Column C2

S.12 - Ground Floor Staircase

Owner

Project Name

Ground Floor Staircase

Project number

Project Number

Drawn by

Issue Date

Author

Checked by

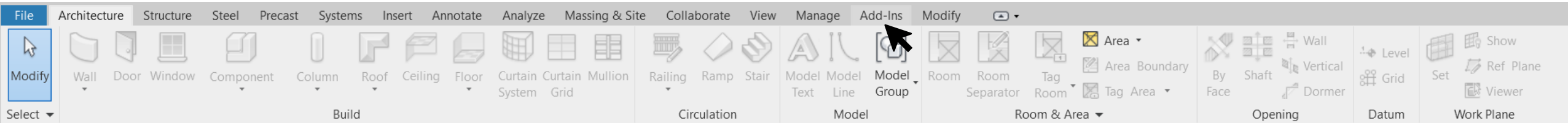
Checker

S.12

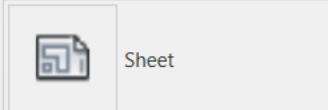
Scale



As indicated

STEP 2 – Navigate to Add-ins



Properties ✕




Sheet: Ground Flo   Edit Type

Graphics

Visibility/Gr... Edit...

| | |
|-------|--------------|
| Scale | As indicated |
|-------|--------------|

Text 

BOQ_Categ...

BOQ_Descri...

BOQ_Item_C...

BOQ_Unit

Material Co...

[Properties help](#) Apply

Project Browser - Dharamshal B... X

Views (all)

Structural Plans

01 Top of Footing
02 Dimple Level

02 Plinth Level
03 GE

03 GE Beam

03 GF Slab

04 FF

04 FF Beam

04 FF Slab

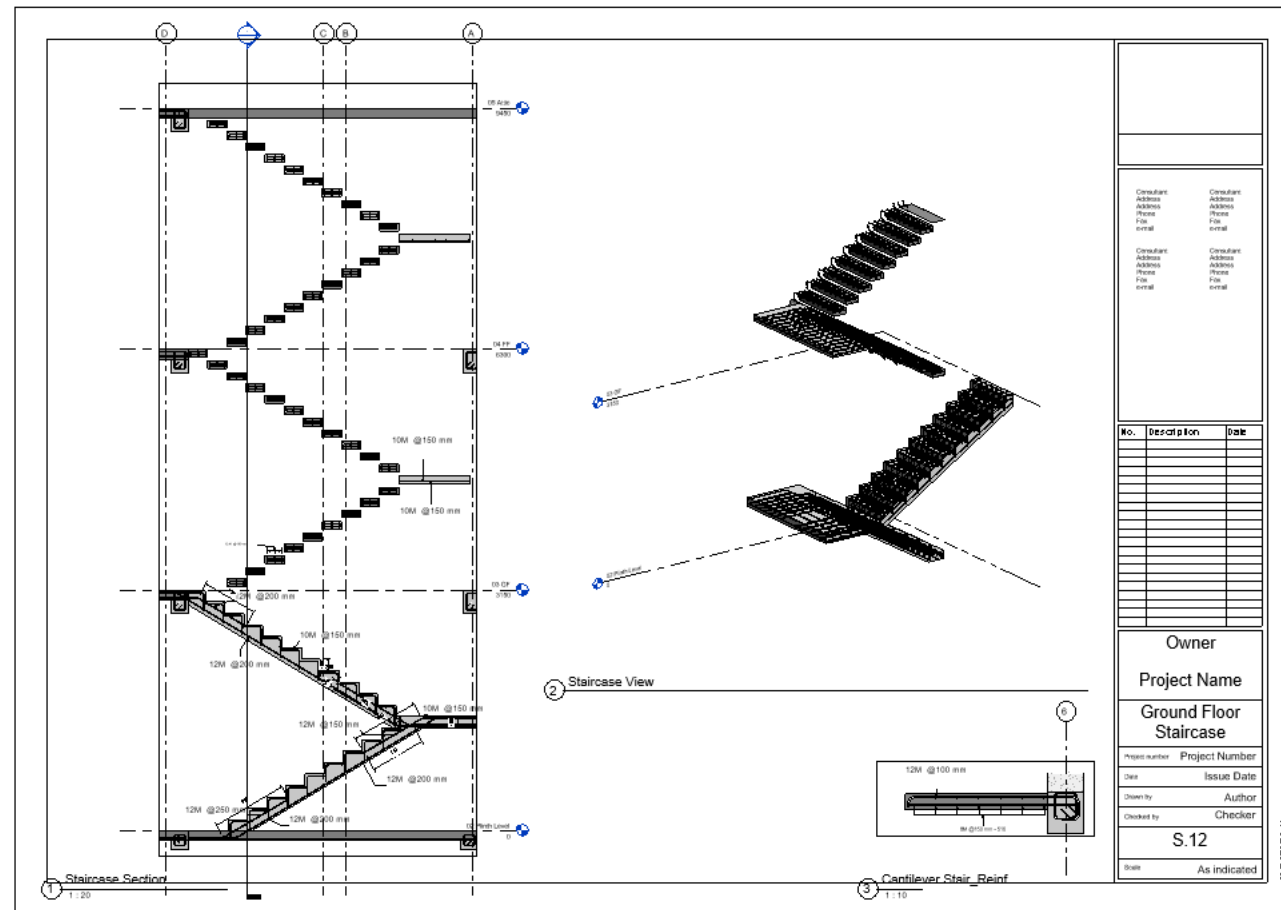
05 Attic

05 Attic Floor Beam
06 Roof

06 Root
Column C1

Column C2

Figure 1 illustrates the experimental setup. A participant is seated at a table, looking at a screen through a viewing device. The screen displays a 3x3 grid of colored squares. The participant's task is to identify the color of the squares in the grid.



STEP 3 –Go to Add-ins > External Tools and select Smart_QuantExtract

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Modify

External Tools

Transmit a model

Help

Import FormIt to RVT

Convert RFA to FormIt

Select

External Tools

Properties

Sheet

Sheet: Ground Floor

Graphics

Visibility/Gr...

Edit...

Scale

As indicated

Text

BOQ_Categ...

BOQ_Descri...

BOQ_Item_C...

BOQ_Unit

Material Co...

Properties help

Apply

Project Browser - Dharamshal B...

Views (all)

Structural Plans

01 Top of Footing

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03 GF Beam

03 GF Slab

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04 FF Beam

04 FF Slab

05 Attic

05 Attic Floor Beam

06 Roof

Column C1

Column C2

External Tools

Provides access to additional tools that have been installed for use with the software.

External tools are applications that extend Revit functionality. Some external tools provide links between Revit and other software packages.

Press F1 for more help

Staircase Section

1:20

Staircase View

1:10

Cantilever Stair_Reinf

1:10

Owner

Project Name

Ground Floor Staircase

Project number

Project Number

Date

Issue Date

Drawn by

Author

Checked by

Checker

S.12

Scale

As indicated

STEP 4 – Go to Addins – Click on External Tools – Click on Smart_QuantExtract

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Convert RFA to Formlt

Select

Properties

Smart_QuantExtract.MainCommand

Sheet: Ground Flo

Smart_QuantExtract.MainCommand

Graphics

Visibility/Gr...

Edit...

Scale

As indicated

Text

BOQ_Categ...

BOQ_Descri...

BOQ_Item_C...

BOQ_Unit

Material Co...

Properties help

Apply

Project Browser - Dharamshal B...

Views (all)

Structural Plans

01 Top of Footing

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03 GF

03 GF Beam

03 GF Slab

04 FF

04 FF Beam

04 FF Slab

05 Attic

05 Attic Floor Beam

06 Roof

Column C1

Column C2

Staircase X

1

Staircase Section

1:20

2

Staircase View

1:10

3

Cantilever Stair_Reinf

1:10

Consultant Address Phone Fax email

Consultant Address Phone Fax email

Consultant Address Phone Fax email

Consultant Address Phone Fax email

No. Description Date

Owner

Project Name

Ground Floor Staircase

Project number Project Number

Date Issue Date

Drawn by Author

Checked by Checker

S.12

Rev As indicated

STEP 5– Go to Addins – Click on External Tools – Click on Smart_QuantExtract-Quantities Will be Exported to Desktop

File

Architecture

Structure

Steel

Precast

Systems

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Annotate

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Modify

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Transmit a model

Help

Import Formit to RVT

Convert RFA to Formit

Select

External

eTransmit

Formit Converter

Properties

Sheet

Sheet: Ground Flo

Graphics

Text

Project Browser - Dharamshal Bloc...

S.12 - Ground Floor Staircase

Smart_QuantExtract.MainCommand - Smart Quant Extract

Quantities exported successfully to Desktop.

Close

Owner

Project Name

Ground Floor Staircase

Project number

Project Number

Date

Issue Date

Drawn by

Author

Checked by

Checker

S.12

Scale

As indicated

STEP 5– Go to Addins – Click on External Tools – Click on Smart_QuantExtract-Quantities Will be Exported to Desktop

Offline > Shishupal - Personal > Desktop >

Sort View

| Name | Status | Date modified | Type | Size |
|----------------------------|--------|------------------|----------------------|--------|
| Software | | 25-09-2025 22:37 | File folder | |
| Smart_QauntExtract.ptpx | | 25-09-2025 22:36 | Microsoft PowerPo... | 804 KB |
| SmartQuant_Quantities.xlsx | | 25-09-2025 22:35 | Microsoft Excel W... | 41 KB |

SmartQuant_Quantities.xlsx • Upload Pending

File Home Insert Draw Page Layout Formulas Data Review View Help

Paste Copy Format Painter

Clipboard Font Alignment

H21

| | A | B | C | D | E | F | G |
|----|-----------|--------------------|-------------|-------------|---|---|---|
| 1 | ElementId | Category | Family+Type | Volume (m³) | | | |
| 2 | 421917 | Structural Framing | B1 | 0.052 | | | |
| 3 | 422003 | Structural Framing | B1 | 0.014 | | | |
| 4 | 422051 | Structural Framing | B1 | 0.09 | | | |
| 5 | 422192 | Structural Framing | B1 | 0.057 | | | |
| 6 | 422275 | Structural Framing | B1 | 0.072 | | | |
| 7 | 422384 | Structural Framing | B1 | 0.072 | | | |
| 8 | 422441 | Structural Framing | B1 | 0.085 | | | |
| 9 | 422801 | Structural Framing | B1 | 0.053 | | | |
| 10 | 422834 | Structural Framing | B1 | 0.03 | | | |
| 11 | 422868 | Structural Framing | B1 | 0.068 | | | |
| 12 | 422933 | Structural Framing | B1 | 0.041 | | | |
| 13 | 423001 | Structural Framing | B1 | 0.078 | | | |
| 14 | 423066 | Structural Framing | B1 | 0.075 | | | |
| 15 | 423104 | Structural Framing | B1 | 0.076 | | | |
| 16 | 423172 | Structural Framing | B1 | 0.065 | | | |
| 17 | 423199 | Structural Framing | B1 | 0.004 | | | |
| 18 | 423289 | Structural Framing | B1 | 0.085 | | | |
| 19 | 423345 | Structural Framing | B1 | 0.071 | | | |
| 20 | 423396 | Structural Framing | B1 | 0.053 | | | |
| 21 | 423436 | Structural Framing | B1 | 0.069 | | | |
| 22 | 423493 | Structural Framing | B1 | 0.066 | | | |
| 23 | 423550 | Structural Framing | B1 | 0.04 | | | |
| 24 | 423630 | Structural Framing | B1 | 0.084 | | | |
| 25 | 423724 | Structural Framing | B1 | 0.084 | | | |
| 26 | 423766 | Structural Framing | B1 | 0.154 | | | |

Concrete Formwork Rebar

SmartQuant_Quantities.xlsx • Upload Pending

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Paste Copy Format Painter

Clipboard Font Alignment

O24

| | A | B | C | D | E | F | G | H | I |
|----|-----------|------------|------|----------|------------|-------------|---|---|---|
| 1 | ElementId | Category | Type | Diameter | Length (m) | Weight (kg) | | | |
| 2 | 431701 | Structural | 16M | 16 | 10.87 | 16.943 | | | |
| 3 | 431830 | Structural | 16M | 16 | 10.87 | 16.943 | | | |
| 4 | 432385 | Structural | 12M | 12 | 4.59 | 4.075 | | | |
| 5 | 443730 | Structural | 10M | 10 | 0.9 | 0.501 | | | |
| 6 | 443732 | Structural | 10M | 10 | 0.9 | 0.501 | | | |
| 7 | 443734 | Structural | 10M | 10 | 0.9 | 0.501 | | | |
| 8 | 443736 | Structural | 10M | 10 | 0.9 | 0.501 | | | |
| 9 | 443738 | Structural | 10M | 10 | 0.9 | 0.501 | | | |
| 10 | 443740 | Structural | 10M | 10 | 0.9 | 0.501 | | | |
| 11 | 443742 | Structural | 10M | 10 | 0.9 | 0.501 | | | |
| 12 | 443744 | Structural | 10M | 10 | 0.9 | 0.501 | | | |
| 13 | 443746 | Structural | 10M | 10 | 0.9 | 0.501 | | | |
| 14 | 443756 | Structural | 10M | 10 | 0.9 | 0.501 | | | |
| 15 | 443758 | Structural | 8M | 8 | 1.345 | 0.531 | | | |
| 16 | 443760 | Structural | 8M | 8 | 0.905 | 0.357 | | | |
| 17 | 443762 | Structural | 10M | 10 | 0.9 | 0.501 | | | |
| 18 | 443766 | Structural | 10M | 10 | 0.9 | 0.501 | | | |
| 19 | 443768 | Structural | 10M | 10 | 0.9 | 0.501 | | | |
| 20 | 443790 | Structural | 12M | 12 | 10.87 | 9.651 | | | |
| 21 | 444074 | Structural | 12M | 12 | 7.378 | 6.55 | | | |
| 22 | 445501 | Structural | 16M | 16 | 7.78 | 12.126 | | | |
| 23 | 445617 | Structural | 16M | 16 | 7.762 | 12.098 | | | |
| 24 | 445777 | Structural | 12M | 12 | 7.782 | 6.909 | | | |
| 25 | 445839 | Structural | 12M | 12 | 4.445 | 3.946 | | | |
| 26 | 445968 | Structural | 12M | 12 | 4.445 | 3.946 | | | |

Concrete Formwork Rebar

Why Smart_QuantExtract?

- ✓ Easy to use
- ✓ Audit-ready (element-level quantities)
- ✓ Saves time
- ✓ Data exported directly into Excel

Get Started Today!

Download Smart_QuantExtract from Autodesk App Store and simplify your BOQ process.