



if / LAB
intensive fields lab



If/Lab

If/LAB is a multidisciplinary design and consultancy company with a focus on the use of **software** for the purposes of design, manufacture and building.

We currently focus on **art** and **architecture**, and aim to continually be at the forefront of innovation.



If/Lab_Dev

Software Development to Facilitate Architecture



Revit Plugins

Software Development to Facilitate Architecture

Parameter Manger



What it does:

- Allows the user to edit instance and type parameters from an excel style editor, or export and import to and from excel

When to use it:

- Updating multiple instance or type parameters
- Integrating buyers' schedules from excel – allow for consultant to fill out data in excel and merge the information into Revit



1) Select how you wish to select elements from Revit

2) Use Select the categories to get elements from

3) Select elements to get parameters from

MANAGER PARAMETERS

1) Select Elements 2) Select Parameters 3) Apply Changes Export

1) Selection Method

Programmatic Selection

System Category:

Model

☐ Active View ☒ Entire Project

2) Selection Categories & Options

Search:

Select	Name
<input type="checkbox"/>	Topography
<input type="checkbox"/>	Vibration Management
<input checked="" type="checkbox"/>	Walls
<input type="checkbox"/>	Water Loops
<input type="checkbox"/>	Windows
<input type="checkbox"/>	Wires
<input type="checkbox"/>	Zone Equipment

3) Select Elements

Search:

All Fields ☐ Check All ☐ Uncheck All

Checked	Name	Category	Type	Family Name
<input type="checkbox"/>	*BRK Biscuit on Lei	Walls	Wall	
<input type="checkbox"/>	*BRK Biscuit on Lei	Walls	Wall	
<input type="checkbox"/>	*BRK Biscuit on Lei	Walls	Wall	
<input type="checkbox"/>	*BRK Biscuit on Lei	Walls	Wall	
<input type="checkbox"/>	*BRK Biscuit on Lei	Walls	Wall	
<input type="checkbox"/>	*BRK Biscuit on Lei	Walls	Wall	
<input type="checkbox"/>	*BRK Biscuit on Lei	Walls	Wall	
<input type="checkbox"/>	*Concrete - CD1 - 2	Walls	Wall	
<input type="checkbox"/>	*Concrete - CD1 - 2	Walls	Wall	
<input type="checkbox"/>	*Concrete - CD1 - 2	Walls	Wall	
<input type="checkbox"/>	*Concrete - CD1 - 2	Walls	Wall	
<input type="checkbox"/>	*Concrete - CD1 - 2	Walls	Wall	
<input type="checkbox"/>	*Concrete - CD1 - 2	Walls	Wall	
<input type="checkbox"/>	*Concrete - CD1 - 2	Walls	Wall	
<input type="checkbox"/>	*Concrete - CD1 - 2	Walls	Wall	
<input type="checkbox"/>	*Concrete - CD1 - 2	Walls	Wall	

☐ Zoom To Highlighted Elements

Selected Elements: 0

2) Edit Parameters

Hide

1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	
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31	
32	

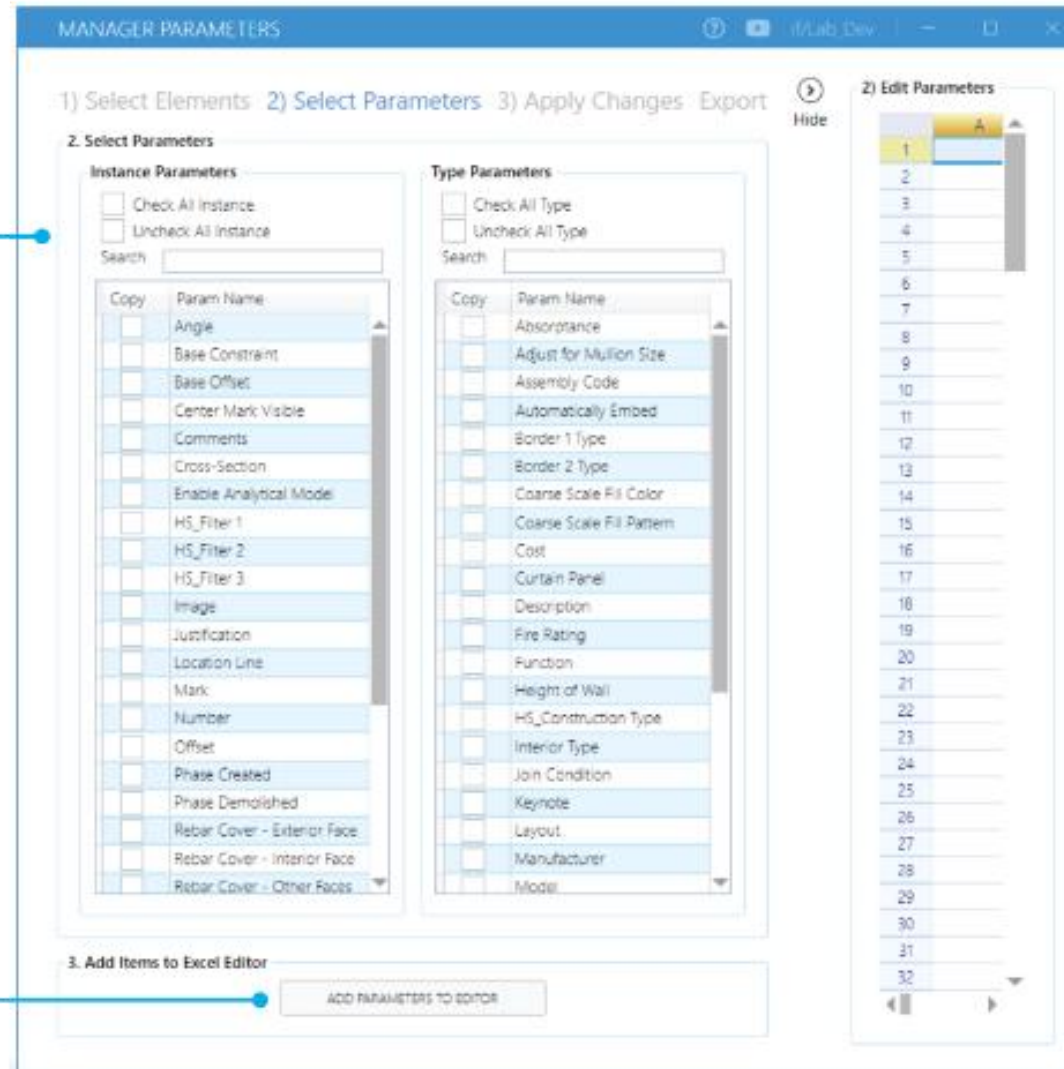
Parameter Manager (1/5).

if/Lab_Dev Revit Plugins



4) Select parameters to add to the Excel style editor

5) Add items to the Excel style editor



Parameter Manager (2/5).

if/Lab_Dev Revit Plugins



6) Edit the
parameters in the
editor

MANAGER PARAMETERS

2) Edit Parameters

Hide

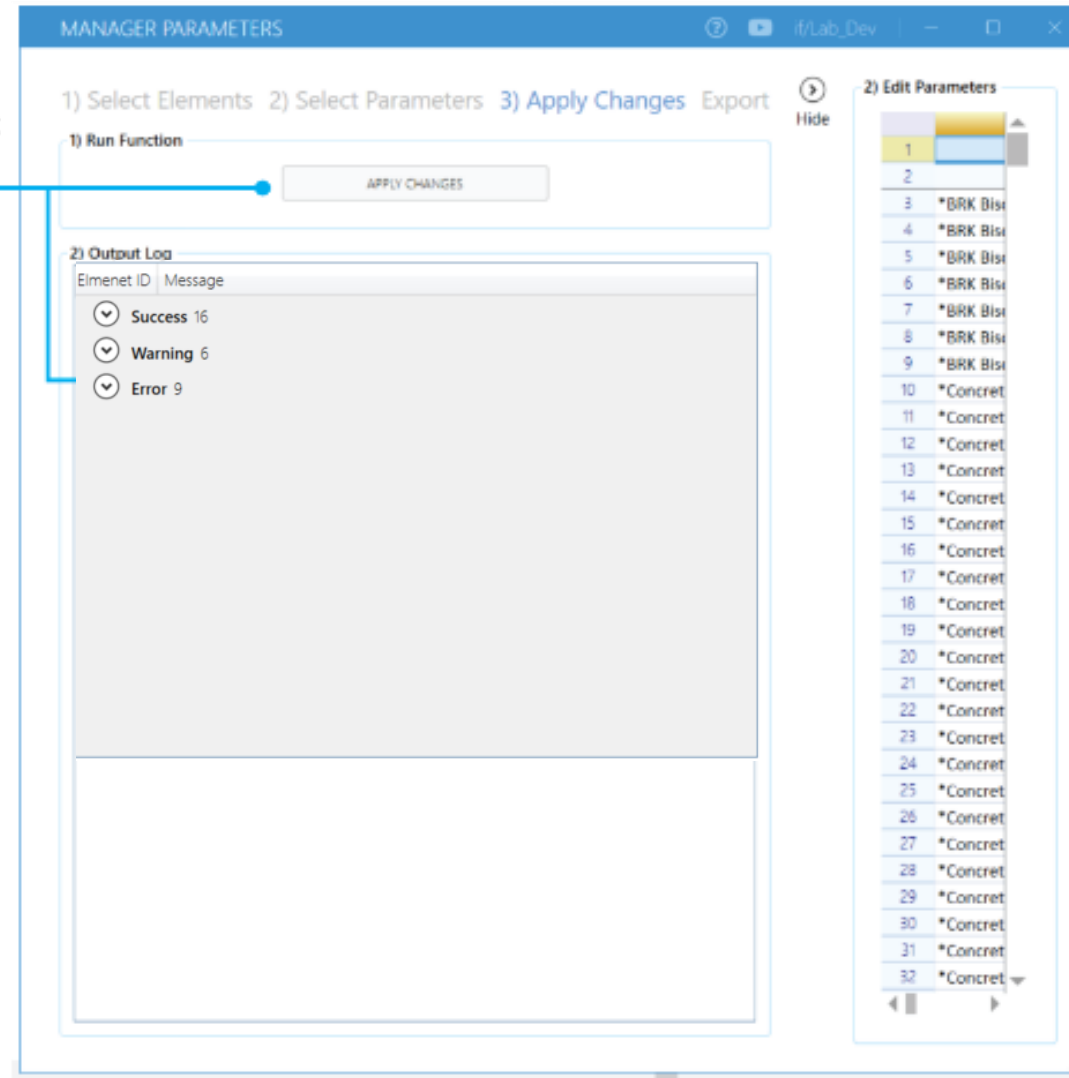
1	B	C	D	E	F
1	Identifiers				
2	Element Name	Angle	Base Constraint	Base Offset	Center Mark Vis
3	*BRK Biscuit on Lightweight - (Wall)	N/A	583834	-225	N/A
4	*BRK Biscuit on Lightweight - (Wall)	N/A	583834	-225	N/A
5	*BRK Biscuit on Lightweight - (Wall)	N/A	583834	-225	N/A
6	*BRK Biscuit on Lightweight - (Wall)	N/A	583834	-225	N/A
7	*BRK Biscuit on Lightweight - (Wall)	N/A	583834	-225	N/A
8	*BRK Biscuit on Lightweight - (Wall)	N/A	583834	-225	N/A
9	*BRK Biscuit on Lightweight - (Wall)	N/A	583834	-225	N/A
10	*Concrete - C01 - 200mm IN-SITU - (Wall)	N/A	1363	0	N/A
11	*Concrete - C01 - 200mm IN-SITU - (Wall)	N/A	585873	-1200	N/A
12	*Concrete - C01 - 200mm IN-SITU - (Wall)	N/A	585873	-1200	N/A
13	*Concrete - C01 - 200mm IN-SITU - (Wall)	N/A	585873	-1200	N/A
14	*Concrete - C01 - 200mm IN-SITU - (Wall)	N/A	585873	-1200	N/A
15	*Concrete - C01 - 200mm IN-SITU - (Wall)	N/A	585873	-1200	N/A
16	*Concrete - C01 - 200mm IN-SITU - (Wall)	N/A	585873	0	N/A
17	*Concrete - C01 - 200mm IN-SITU - (Wall)	N/A	583834	0	N/A
18	*Concrete - C01 - 200mm IN-SITU - (Wall)	N/A	583862	800	N/A
19	*Concrete - C01 - 200mm IN-SITU - (Wall)	N/A	583862	800	N/A
20	*Concrete - C01 - 200mm IN-SITU - (Wall)	N/A	583862	890	N/A
21	*Concrete - C02 - 250mm IN-SITU - (Wall)	N/A	585896	0	N/A
22	*Concrete - C02 - 250mm IN-SITU - (Wall)	N/A	583862	661	N/A
23	*Concrete - C03 - 150mm IN-SITU - (Wall)	N/A	583862	0	N/A
24	*Concrete - C03 - 150mm IN-SITU - (Wall)	N/A	583862	0	N/A
25	*Concrete - C03 - 150mm IN-SITU - (Wall)	N/A	4930002	-2190	N/A
26	*Concrete - C03 - 150mm IN-SITU - (Wall)	N/A	4930002	-2664	N/A
27	*Concrete - C03 - 150mm IN-SITU - (Wall)	N/A	4930002	-2000	N/A
28	*Concrete - C03 - 150mm IN-SITU - (Wall)	N/A	583862	0	N/A
29	*Concrete - C03 - 150mm IN-SITU - (Wall)	N/A	583862	0	N/A
30	*Concrete - C03 - 150mm IN-SITU - (Wall)	N/A	583862	0	N/A
31	*Concrete - C03 - 150mm IN-SITU - (Wall)	N/A	1948713	0	N/A
32	*Concrete - C03 - 150mm IN-SITU - (Wall)	N/A	583862	0	N/A

Parameter Manager (3/5).

if/Lab_Dev Revit Plugins



7) Apply the changes and check the output logs



Parameter Manager (4/5).

if/Lab_Dev Revit Plugins



8) Use the functions filter down to any parameters or elements that had errors

MANAGER PARAMETERS

1) Select Elements 2) Select Parameters 3) Apply Changes Export

1) Select Parameters

KEEP ONLY COLUMNS WITH ERRORS KEEP ONLY WORKSHARING CONFLICTS

Search ☐ Check All ☐ Uncheck All

Select	Param Type	Param Name
<input type="checkbox"/>	Instance	Angle
<input type="checkbox"/>	Instance	Base Constraint
<input type="checkbox"/>	Instance	Base Offset
<input type="checkbox"/>	Instance	Center Mark Visible
<input type="checkbox"/>	Instance	Comments
<input type="checkbox"/>	Instance	Cross-Section
<input type="checkbox"/>	Instance	Enable Analytical Model
<input type="checkbox"/>	Instance	HS_Filter 1
<input type="checkbox"/>	Instance	HS_Filter 2
<input type="checkbox"/>	Instance	HS_Filter 3
<input type="checkbox"/>	Instance	Image
<input type="checkbox"/>	Instance	Justification
<input type="checkbox"/>	Instance	Location Line
<input type="checkbox"/>	Instance	Mark
<input type="checkbox"/>	Instance	Number
<input type="checkbox"/>	Instance	Offset
<input type="checkbox"/>	Instance	Phase Created
<input type="checkbox"/>	Instance	Phase Demolished
<input type="checkbox"/>	Instance	Rebar Cover - Exterior Face
<input type="checkbox"/>	Instance	Rebar Cover - Interior Face
<input type="checkbox"/>	Instance	Rebar Cover - Other Faces

REMOVE SELECTED CELLS

2) Export Spreadsheet

EXPORT

2) Edit Parameters

Hide

1	
2	
3	*BRK Disc
4	*BRK Disc
5	*BRK Disc
6	*BRK Disc
7	*BRK Disc
8	*BRK Disc
9	*BRK Disc
10	*Concret
11	*Concret
12	*Concret
13	*Concret
14	*Concret
15	*Concret
16	*Concret
17	*Concret
18	*Concret
19	*Concret
20	*Concret
21	*Concret
22	*Concret
23	*Concret
24	*Concret
25	*Concret
26	*Concret
27	*Concret
28	*Concret
29	*Concret
30	*Concret
31	*Concret
32	*Concret

9) Export to Excel to excel to be imported later

Parameter Manager (5/5).

if/Lab_Dev Revit Plugins

Views From Rooms



What it does:

- Creates views and sheets using rooms as a reference

When to use it:

- When doing internal elevations



1) Select how you want to select rooms from Revit, use toggles to quickly find and view the rooms

2) Select the rooms to create views from

Use the optional commands to center rooms where the elevation markers will be placed or room tags

VIEWS FROM ROOMS if/Lab_Dev

1) Select Rooms 2) View Settings 3) Setup Naming

1) Selection Setup

From Project ☐ Temporary Preview Rooms: Off ☐ Zoom to Selected Rooms: Off

2) Select Rooms

Search ☐ Check All ☐ Uncheck All

Select	Number	Room Name	Level
<input type="checkbox"/>		STR	BASEMENT 2
<input type="checkbox"/>	1032	LIFT 1	BASEMENT 2
<input type="checkbox"/>	1033	LIFT 2	BASEMENT 2
<input type="checkbox"/>	1034	EX PLANT RM	BASEMENT 2
<input type="checkbox"/>	1037	LIFT 4	BASEMENT 2
<input type="checkbox"/>	1038	LIFT 5	BASEMENT 2
<input type="checkbox"/>	1039	LIFT 6	BASEMENT 2
<input type="checkbox"/>	1043	STAIR 4	BASEMENT 2
<input type="checkbox"/>	1044	CPK SUPPLY PL RM	BASEMENT 2
<input type="checkbox"/>	1046	RESIDENTIAL BIKE STORE	BASEMENT 1
<input type="checkbox"/>	1047	SERVICES	BASEMENT 1
<input type="checkbox"/>	1048	CARPARK SUPPLY PL ROOM	BASEMENT 1
<input type="checkbox"/>	1049	TRANSFORMER	BASEMENT 1
<input type="checkbox"/>	1050	SMSB	BASEMENT 1
<input type="checkbox"/>	1052	SERVICES	BASEMENT 1

Optional Functions

Views From Rooms (1/3).

if/Lab_Dev Revit Plugins



3) Select the view types you wish to create, and the view templates view information

VIEWS FROM ROOMS if/Lab_Dev

1) Select Rooms 2) View Settings 3) Setup Naming

☒ **Create Plan**

Floor Plan <1149> Scale: 1 : 100

< No View Template > Offset: 500

☐ Use Bounding Box for Offset

☒ **Create Elevation**

Building Elevation <1159> Scale: 1 : 100

< No View Template > Offset: 500

4 Elevations

☒ **Create 3D**

3D View <1160>

< No View Template > Offset: 500

☒ **Create Ceiling**

Ceiling Plan <1150> Scale: 1 : 100

< No View Template > Offset: 500

☐ Use Bounding Box for Offset

Views From Rooms (2/3).

if/Lab_Dev Revit Plugins



4) Set up View naming

5) Set up Sheet naming if you wish to place the views onto sheets (please not this is not perfect and will require manual adjustment).

6) Run to create the select views for each room and sheets if selected

VIEWS FROM ROOMS if/Lab_Dev

1) Select Rooms 2) View Settings 3) Setup Naming

1) Set Up View Names

Prefix:

Middle: Room Number - Room Name

Suffix:

2) Set Up Sheet Names

☒ Create Sheets

Titleblock: 44034-Sheet_A1_Presentation_HS - Landscape

Number & Starting Number: 0

Prefix:

Middle: Room Number - Room Name

Suffix:

3) Run Function

-STR
1032-LIFT 1
1033-LIFT 2
1034-EX PLANT RM
1037-LIFT 4
1038-LIFT 5
1039-LIFT 6
0 - -STR
1 - 1032-LIFT 1
2 - 1033-LIFT 2
3 - 1034-EX PLANT RM
4 - 1037-LIFT 4
5 - 1038-LIFT 5
6 - 1039-LIFT 6
7 - 1043-STAIR 4
8 - 1044-CPK SUPPLY PL
9 - 1046-RESIDENTIAL BI
10 - 1047-SERVICES

Views From Rooms (3/3).

if/Lab_Dev Revit Plugins

Match Viewports on Sheets



What it does:

- Matches the centre of the viewport across multiple sheets

When to use it:

- To match a template sheet across multiple views
- In conjunction with other tools such as place view or views from rooms



1) Select the template sheet

2) Drag views that you wish to align to the template sheet

3) Select the parameters to match

4) Run the function to align the views with the template sheet

MATCH VIEWS ON SHEETS

1) Select Template Sheet

Select Template Sheet: 101 - Sheet

Template Views to Align to

Selected Sheet: 101 - Sheet

Note: Only views of the same type Can Be Aligned

^ B02 RESIDENTIAL PARKING- USER CLASS 1 A

View Type	View Name

^ B02 STORE ROOM SCHEDULE

^ 2000 - FRL LEGEND 1IN 200

2) Drag Views to Align

Search

0000 - COVER PAGE

0001 - EARLY WORKS COVER SHEET

00010 - DOOR TYPE SCHEDULE PART 01

00011 - DOOR TYPE SCHEDULE PART 2

00012 - DOOR TYPE SCHEDULE PART 3

0002 - EARLY WORKS GRID LAYOUT PLAN

^ 0003 - GENERAL ARRANGEMENT BASEMENT 02

View Type	View Name
FloorPlan	A001 BASEMENT 02 EARLY WORKS

0004 - GENERAL ARRANGEMENT BASEMENT 01

0005 - GENERAL ARRANGEMENT GROUND FLOOR

0006 - EARLY WORKS GROUND FLOOR CONCRETE PROFILE

0007 - EARLY WORKS BASEMENT SECTIONS

3) Setup Function

☒ Location on Sheet ☐ Cropping ☐ View Template ☐ Scale

4) Run Function

COMMIT CHANGES

Match Viewports On Sheets.

if/Lab_Dev Revit Plugins

Selection Tool



What it does:

- Allows the user to quickly filter selected elements to the instance level or add elements to selection based on filters

When to use it:

- Link to shortcut to quickly select only the elements you want
- When you want to select specific items that may be hard to find or without opening views



1) Filter or create selection

2) Select the system category & Selection mode

3) Select the categories get or filter elements by

4) Check the elements to remain or add to selection

5) Run to select the checked elements

SELECTION TOOLS if/Lab_Dev

1) Selection Setup
Create Selection

2) System Category & Options
System Category: Model
☐ In View ☒ Entire Project

3) Select Categories
Search:
Select Name
☐ Abutments
☐ Air Systems
☐ Air Terminals
☐ Areas
☐ Bearings

4) Select Elements
Filter Items: All Fields ☐ Check All ☐ Uncheck All

Select	Name	Category	Type	Family Name
<input type="checkbox"/>	*BRK Biscuit on Leigh	Walls	Wall	
<input type="checkbox"/>	*BRK Biscuit on Leigh	Walls	Wall	
<input type="checkbox"/>	*BRK Biscuit on Leigh	Walls	Wall	
<input type="checkbox"/>	*BRK Biscuit on Leigh	Walls	Wall	
<input type="checkbox"/>	*BRK Biscuit on Leigh	Walls	Wall	
<input type="checkbox"/>	*BRK Biscuit on Leigh	Walls	Wall	
<input type="checkbox"/>	*BRK Biscuit on Leigh	Walls	Wall	
<input type="checkbox"/>	*Concrete - C01 - 201	Walls	Wall	
<input type="checkbox"/>	*Concrete - C01 - 201	Walls	Wall	
<input type="checkbox"/>	*Concrete - C01 - 201	Walls	Wall	
<input type="checkbox"/>	*Concrete - C01 - 201	Walls	Wall	
<input type="checkbox"/>	*Concrete - C01 - 201	Walls	Wall	
<input type="checkbox"/>	*Concrete - C01 - 201	Walls	Wall	
<input type="checkbox"/>	*Concrete - C01 - 201	Walls	Wall	
<input type="checkbox"/>	*Concrete - C01 - 201	Walls	Wall	
<input type="checkbox"/>	*Concrete - C01 - 201	Walls	Wall	

☐ Zoom To Highlighted Elements Checked Elements: 0

5) Apply Selection
APPLY SELECTION

Selection Tools.
if/Lab_Dev Revit Plugins



Bounding Box

What it does:

- To quickly crop a view to selected elements



1) Select elements in Revit and run the bounding box function

2) Select the view to duplicate or to override

3) Select the options you wish to apply to the view

4) Run the function to create or override the view

BOUNDING BOX ? if/Lab_Dev

1) Select View

☒ Override Selected View

Select View Type

ThreeDView

Select Template View:

{3D - 21484971SLMEJ}

2) Setup View

Section Box Offset (mm) 0

☒ Show Section Box

☐ Isolate Selection

☒ Open View

3) Run Function

RUN

Bounding Box.
if/Lab_Dev Revit Plugins

Renumbering Tool



What it does:

- Allows the user to quickly renumber elements of different categories

When to use it:

- Renumbering grids, detail views, rooms, windows, etc



1) Select the category of items to renumber

2) Select the elements to renumber

3) Select the renumbering process to use

4) Value to use in the renumbering process

5) Run the function to renumber elements

The screenshot shows a software window titled "RENUMBER..." with a blue header bar containing a help icon, a YouTube icon, and the text "if/Lab_Dev". The window contains five numbered sections:

- 1) Select Renumbering Category:** A dropdown menu with "Rooms" selected.
- 2) Select Elements to Renumber:** A "Select Items" dropdown and a "SELECT ELEMENTS" button. Below the button, it says "0 Elements Selected".
- 2) Select Renumbering Process:** A dropdown menu with "By Click" selected.
- 3) Setup up Renumbering:** Fields for "Prefix" (containing "Prefix"), "Increment" (a dropdown with "1,2,3..." selected), and "Suffix" (containing "Suffix"). Below these are "Initial Value" (containing "1") and "Preview: 1". A checkbox labeled "Swap Value" is checked.
- 4) Run Function:** A "RUN" button.

Renumbering Tool.
if/Lab_Dev Revit Plugins

Create Sheets From Excel



What it does:

- Allows the user to create a sheets list and parameters in excel then create them in Revit

When to use it:

- At the beginning of a project setting up drawing lists for a project
- Using company standards for sheets lists



1) Select template sheet list excel file

2) Select the default titleblock to be applied

3) Make any edits to the parameters in the excel style editor

4) Run the function to create sheets if Revit

CREATE SHEETS FROM EXCEL

1) Select a File

File Path ...

2) Select Titleblock

44034-Sheet_A1_Presentation_HS - Landscap

3) Edit Sheets Parameters

	A	B	C	D	E
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

4) Create Sheets

RUN

Create Sheets From Excel.

if/Lab_Dev Revit Plugins



Multi Sheet Creator

What it does:

- Makes creating multiple sheets from a template much easier and faster



1) Select the template sheet or titleblock to use as a template

2) Set up the sheet number format

3) Set up the sheet naming

4) Select any schedules or legends to copy from the template sheet

5) Make any manual changes to the sheet information

6) Run the function to create sheets

MULTI SHEET CREATOR

1) Select Template Sheet

Duplicate Sheet or Titleblock: ☒ From Sheet

Select Template Sheet: 101 - Sheet

2) Setup Sheet Number

Number of Sheets: 1 Leading Zeros: 0

Sheet Number Prefix: Prefix Starting Number: 100

3) Setup Sheet Naming

Sheet Name: Sheet Name Increment:

☒ Upder Case

4) Select Legends or Schedules to Copy

Copy	Legend/Schedule Name
<input type="checkbox"/>	2000 - FRL LEGEND 1IN 200
<input checked="" type="checkbox"/>	B02 RESIDENTAIL PARKING- USER CLASS 1 A
<input type="checkbox"/>	B02 STORE ROOM SCHEDULE

5) Edit Sheets Parameters

	A	B	C	D	E	F
1	Sheet Number	Sheet Name	Appears In S	Approved By	Checked By	Design
2	100		1	Approver	GM	Design

6) Run Function

Multi Sheet Creator.

if/Lab_Dev Revit Plugins



Copy Legends

What it does:

- Copies legends from one sheet to multiple sheets



1) Select the template sheet to get the legends and schedules from

2) Select which legends or schedules to copy

3) Select the sheets to copy to

4) Run to copy the legends and schedules to the sheets

COPY LEGENDS if/Lab_Dev

1) Select Template Sheet

101 - Sheet

2) Select Legends or Schedules

Copy	Sheet Name
<input type="checkbox"/>	2000 - FRL LEGEND 1IN 200
<input type="checkbox"/>	B02 RESIDENTIAL PARKING- USER CLASS 1 A

3) Select Sheets to Copy To

Search ☐ Check All ☐ Uncheck All

Copy	Sheet Number	Sheet Name
<input type="checkbox"/>	0000	COVER PAGE
<input type="checkbox"/>	0001	EARLY WORKS COVER SHEET
<input type="checkbox"/>	00010	DOOR TYPE SCHEDULE PAR
<input type="checkbox"/>	00011	DOOR TYPE SCHEDULE PAR
<input type="checkbox"/>	00012	DOOR TYPE SCHEDULE PAR
<input type="checkbox"/>	0002	EARLY WORKS GRID LAYOUT
<input type="checkbox"/>	0003	GENERAL ARRANGEMENT B
<input type="checkbox"/>	0004	GENERAL ARRANGEMENT B
<input type="checkbox"/>	0005	GENERAL ARRANGEMENT G
<input type="checkbox"/>	0006	EARLY WORKS GROUND FLC
<input type="checkbox"/>	0007	EARLY WORKS BASEMENT SI
<input type="checkbox"/>	1	START UP GUIDE
<input type="checkbox"/>	100	Sheet

4) Run Function

RUN

Copy Legends.
if/Lab_Dev Revit Plugins



Apply Revisions

What it does:

- Adds Revisions to multiple sheets



1) Select the revisions you wish to add to sheets

2) Select the sheets to add revisions to

3) Apply to add these revisions to sheets and continue adding revisions to other sheets, or use run to apply and close

APPLY REVISIONS if/Lab_Dev

1) Select Revision

Select	Rev #	Rev Date	Rev Description	Issued	Issued To	Issued By
<input type="checkbox"/>	1	14/11/2011	ISSUED FOR DA	False	BB	PN
<input type="checkbox"/>	2	11/01/2011	REVISED DA	False	BB	PN
<input type="checkbox"/>	3	17/04/2011	D3 CHANGES	False	BB	TB
<input type="checkbox"/>	4	23/04/2011	Strata and builder issue	False	BB	TB
<input type="checkbox"/>	5	24/04/2011	APARTMENT CHANGES	False	BB	TB
<input type="checkbox"/>	6	30/04/2011	Lift Core Walls Change	False	BB	EV

2) Select Sheets To Apply Revision To

Search: All Fields ☐ Check All ☐ Uncheck All

Select	Sheet Number	Sheet Name	Last Rev #	Rev Description
<input type="checkbox"/>	0000	COVER PAGE	31	UPDATED BUILDING PERMI
<input type="checkbox"/>	0001	EARLY WORKS COVER SHE		
<input type="checkbox"/>	00010	DOOR TYPE SCHEDULE PA	31	UPDATED BUILDING PERMI
<input type="checkbox"/>	00011	DOOR TYPE SCHEDULE PA	31	UPDATED BUILDING PERMI
<input type="checkbox"/>	00012	DOOR TYPE SCHEDULE PA	31	UPDATED BUILDING PERMI
<input type="checkbox"/>	0002	EARLY WORKS GRID LAYO		
<input type="checkbox"/>	0003	GENERAL ARRANGEMENT	22	GENERAL REVISIONS
<input type="checkbox"/>	0004	GENERAL ARRANGEMENT	22	GENERAL REVISIONS
<input type="checkbox"/>	0005	GENERAL ARRANGEMENT	22	GENERAL REVISIONS
<input type="checkbox"/>	0006	EARLY WORKS GROUND FL	22	GENERAL REVISIONS
<input type="checkbox"/>	0007	EARLY WORKS BASEMENT	22	GENERAL REVISIONS
<input type="checkbox"/>	1	START UP GUIDE		
<input type="checkbox"/>	100	Sheet		
<input type="checkbox"/>	101	Sheet		
<input type="checkbox"/>	102	Sheet		
<input type="checkbox"/>	2	TAGGING GUIDELINES		

3) Apply Revision

Apply Revisions.
if/Lab_Dev Revit Plugins

Place Views On Sheets

What it does:

- Allows the user to quickly place views on sheets

When to use it:

- Batch adding plan views, elevations etc to multiple views

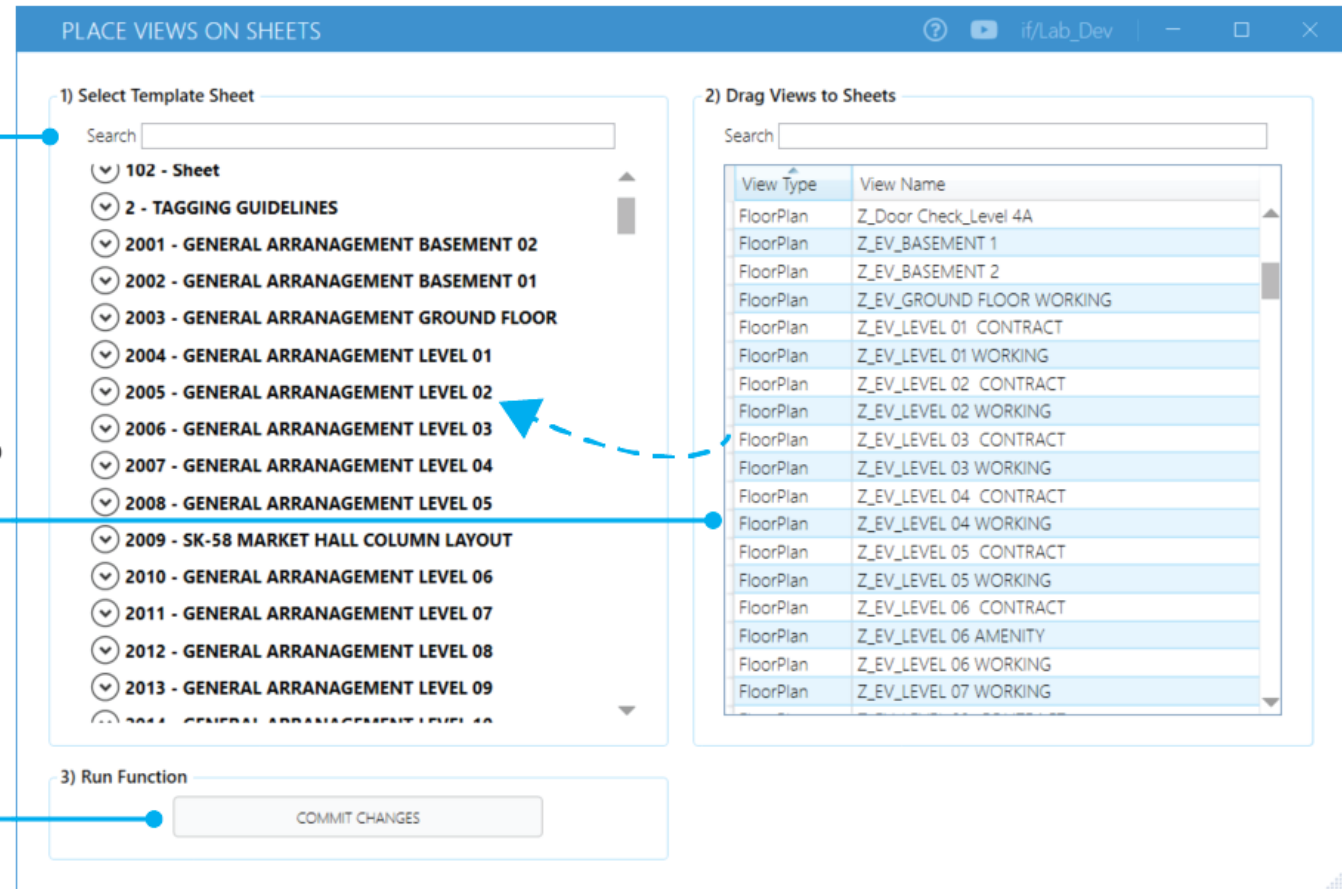




1) Search for the view you wish to place views on

2) Drag the views to the sheet you wish to place them on

3) Run the function to place the views on the sheets



Place Views On Sheets.

if/Lab_Dev Revit Plugins



Toggle Grid Heads

What it does:

- Toggle the head and 2D extents of grids across sheets



1) Select the grids to apply the function to

2) Use the functions to set the template sheet how you wish

3) Select the sheets to replicate this setup across

4) Run to apply these grid settings across the sheets

TOGGLE GRID HE... if/Lab_Dev

1) Select Grids on Template View

SELECT GRID(S)

☒ Auto Detect Ends 0 Grids

2) Setup Grids on Template

Grid Start: ☒ No Grid Bubble ☐ Make 2D Extents

Grid End: ☒ No Grid Bubble ☐ Make 2D Extents

Apply Across Sheets (Optional)

Search ☐ Check All ☐ Uncheck All

Apply	Sheet Number	Sheet Name
<input type="checkbox"/>	0000	COVER PAGE
<input type="checkbox"/>	0001	EARLY WORKS COVER SHEET
<input type="checkbox"/>	00010	DOOR TYPE SCHEDULE PART
<input type="checkbox"/>	00011	DOOR TYPE SCHEDULE PART
<input type="checkbox"/>	00012	DOOR TYPE SCHEDULE PART
<input type="checkbox"/>	0002	EARLY WORKS GRID LAYOUT
<input type="checkbox"/>	0003	GENERAL ARRANGEMENT B
<input type="checkbox"/>	0004	GENERAL ARRANGEMENT B
<input type="checkbox"/>	0005	GENERAL ARRANGEMENT G
<input type="checkbox"/>	0006	EARLY WORKS GROUND FLOOR

APPLY TO SHEETS

Toggle Grid Heads.
if/Lab_Dev Revit Plugins



Dimension Grids

What it does:

- Dimension grids and copy them across sheets



1) Select grids to dimension in view and the dimension style you wish to use

2) Dimension the grids

3) Select the dimension (or automatically use the ones previously created)

4) Select the sheets to copy the dimensions to

5) Run to copy these dimensions across the sheets

DIMENSION GRIDS if/Lab_Dev

1) Select Grids to Dimension

0 Grids

Select Dimension Type: General Dimension

2) Dimension Grids

Dimension Grids (Optional)

0 Dimensions

Copy Dimensions Across Sheets (Optional)

Search ☐ Check All ☐ Uncheck All

Apply	Sheet Number	Sheet Name
<input type="checkbox"/>	0000	COVER PAGE
<input type="checkbox"/>	0001	EARLY WORKS COVER SHEET
<input type="checkbox"/>	00010	DOOR TYPE SCHEDULE PART
<input type="checkbox"/>	00011	DOOR TYPE SCHEDULE PART
<input type="checkbox"/>	00012	DOOR TYPE SCHEDULE PART
<input type="checkbox"/>	0002	EARLY WORKS GRID LAYOUT
<input type="checkbox"/>	0003	GENERAL ARRANGEMENT B

Dimension Grids.

if/Lab_Dev Revit Plugins



Match Grids

What it does:

- Matches grid extents across sheets



1) Select grids to copy extends from

2) Select the sheets to replicate across

3) Run to apply these grid extents across sheets

MATCH GRIDS if/Lab_Dev

1) Select Grids To Align

SELECT GRIDS

0 Grids

2) Select Sheets

Search ☐ Check All ☐ Uncheck All

Select	Sheet Number	Sheet Name
<input type="checkbox"/>	0000	COVER PAGE
<input type="checkbox"/>	0001	EARLY WORKS COVER SHEET
<input type="checkbox"/>	00010	DOOR TYPE SCHEDULE PART
<input type="checkbox"/>	00011	DOOR TYPE SCHEDULE PART
<input type="checkbox"/>	00012	DOOR TYPE SCHEDULE PART
<input type="checkbox"/>	0002	EARLY WORKS GRID LAYOUT
<input type="checkbox"/>	0003	GENERAL ARRANGEMENT B.
<input type="checkbox"/>	0004	GENERAL ARRANGEMENT B.
<input type="checkbox"/>	0005	GENERAL ARRANGEMENT G
<input type="checkbox"/>	0006	EARLY WORKS GROUND FLOOR
<input type="checkbox"/>	0007	EARLY WORKS BASEMENT SECTION
<input type="checkbox"/>	1	START UP GUIDE

3) Run

ALIGN GRIDS

Match Grids.

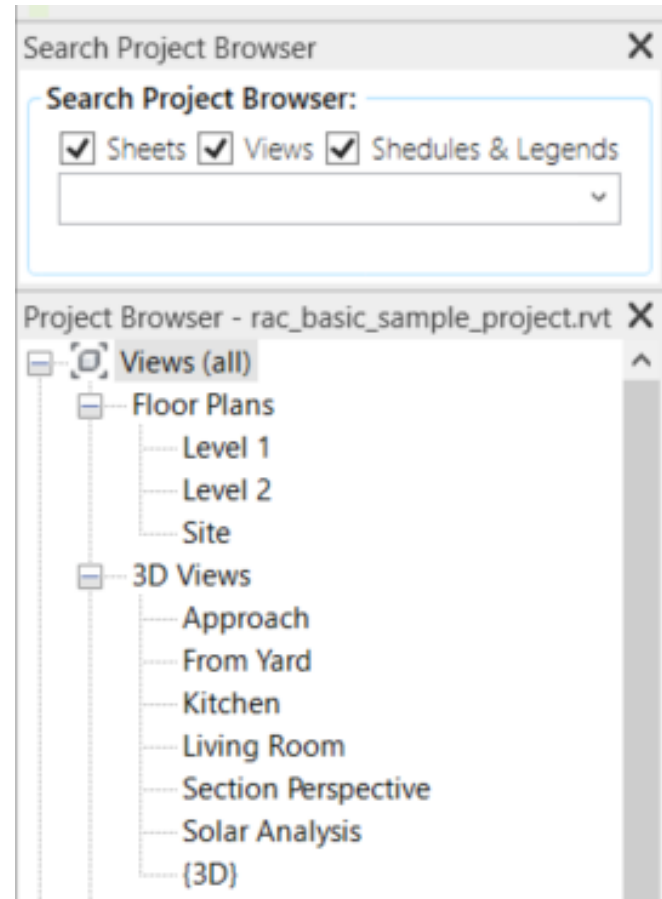
if/Lab_Dev Revit Plugins



Search Project Browser

What it does:

- Quickly opens views without using the Project Browser



Search Project Browser.

if/Lab_Dev Revit Plugins

Command Line



What it does:

- Allows you to quickly access Revit commands without finding it in the UI

When to use it:

- When you don't know where something is or don't know the shortcut