

Revit Automation Tools

Design Automation

- Lighting layout.
- Power and Data grommet layout.
- Automated Wayfinding Workflow
- Layout Automation
- Package B Automation in Revit

BIM Model QC

- Clean Room Separation Lines
- Ghosted Desk Workset

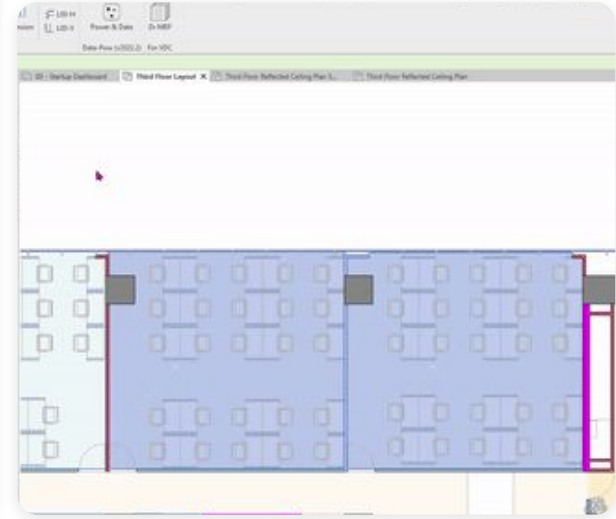
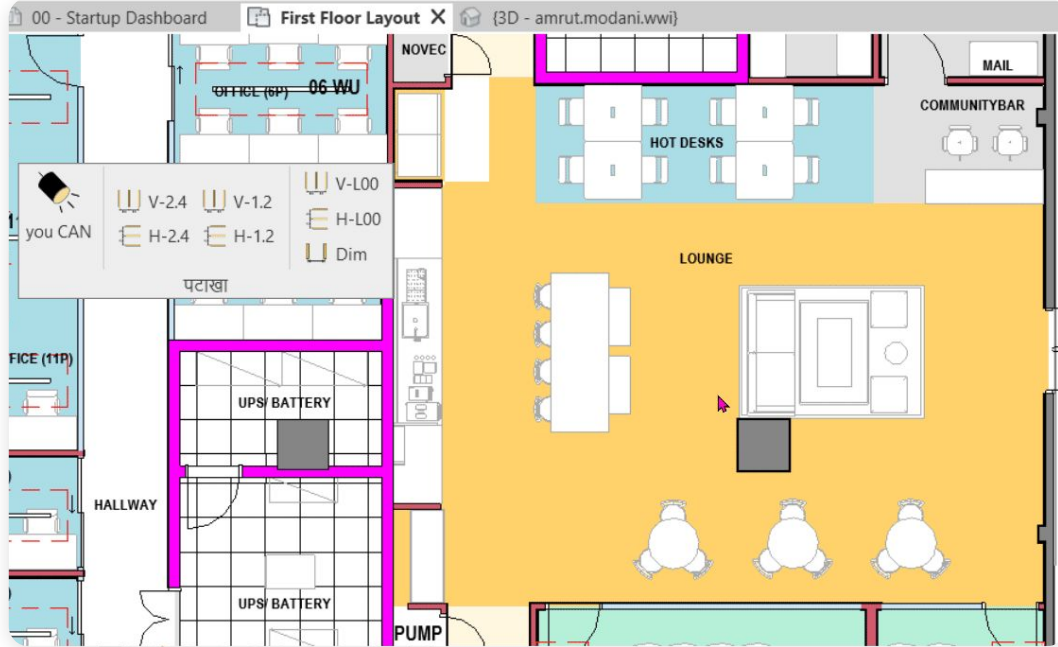
Quantification

- C&I Quantity takeoff.
- Quantification automation at concept stage
- Bulk furniture cost export

 you CAN	 V-2.4	 V-1.2	 V-L00	 H-L00	 Dim	 Grommet	 Create	 Destroy	 C&I qto	 AWW	 Bulk	 Clean RS	 Pack Bae	 r/AutoDesk	 V Layout	 H Layout	 Twist
पटाखा						Data-Pow	3D rOOms	मुद्रा (beta)	Revit <> Airtable	Tide	For ID <3	—=デ Layout Machine —=デ					

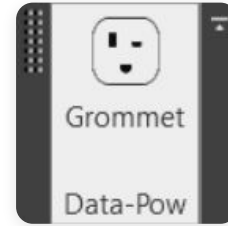
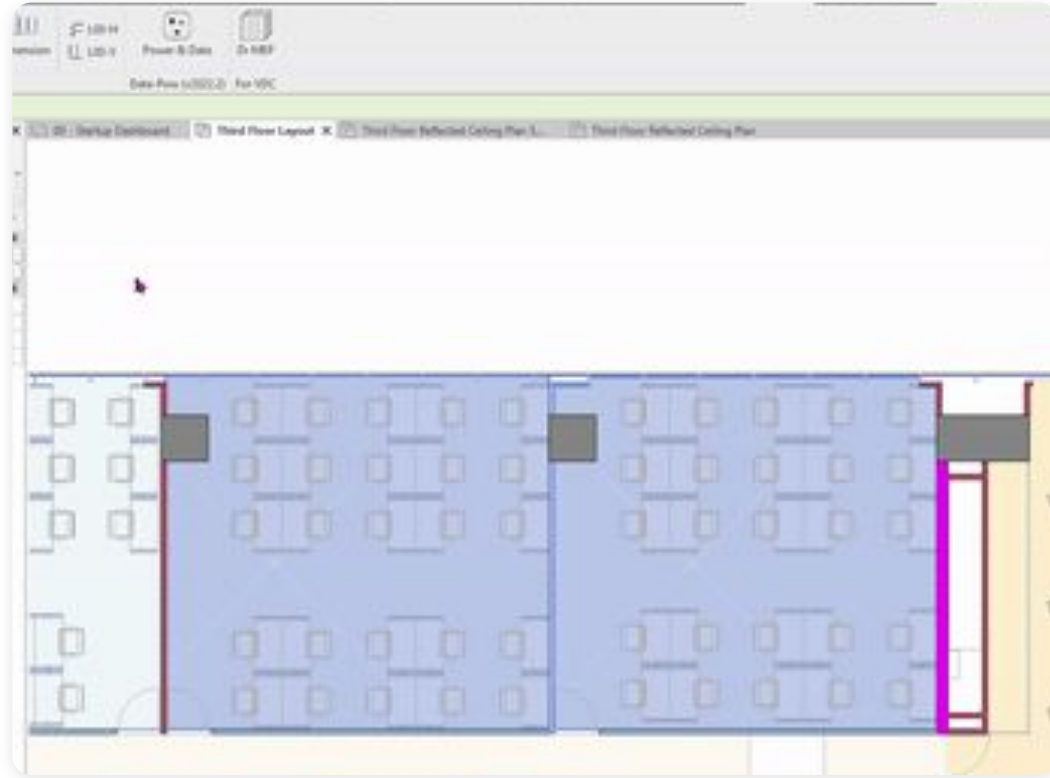
Lighting layout automation

Automation for Lighting Layout. Can Lights for We, Circulate spaces
Linear Lights for work spaces.



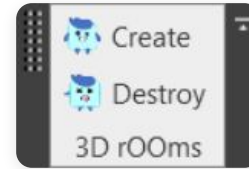
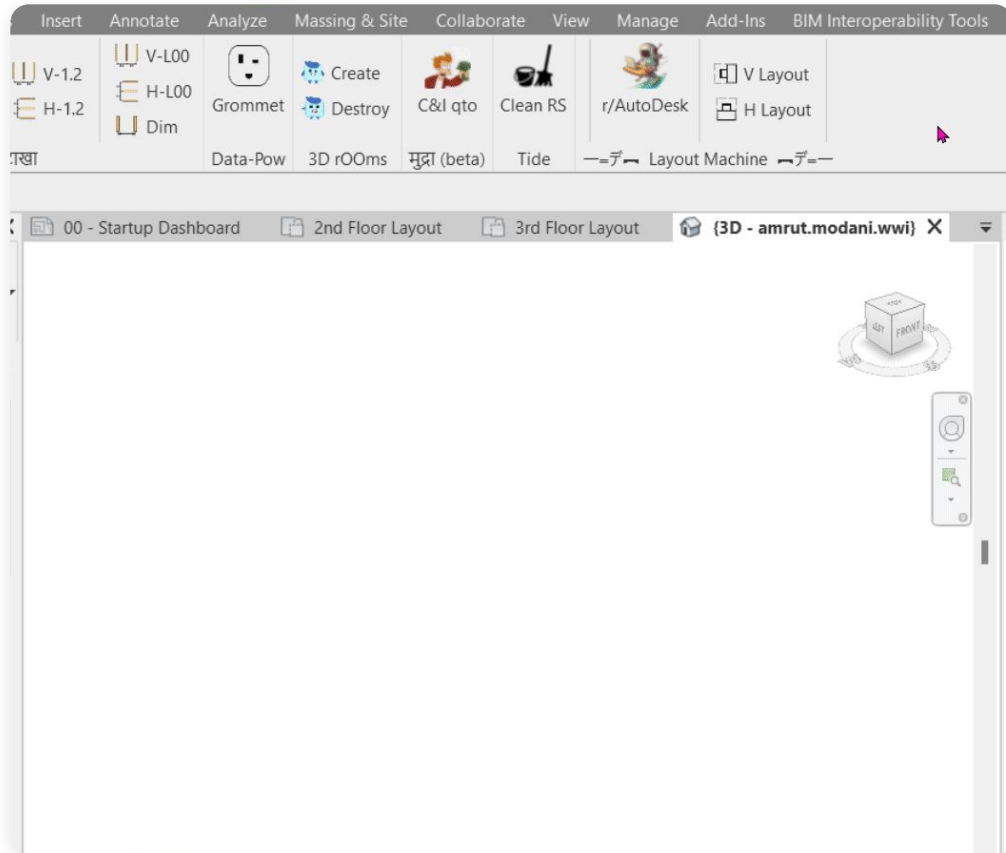
Grommet layout automation

Automation for grommets placement as per desk layout in offices. (1:1 ratio for power and data)



3D Rooms

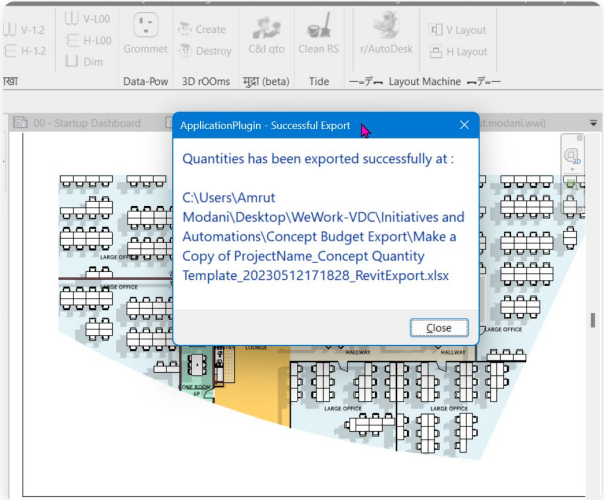
Automation to create 3D rooms for programming presentation



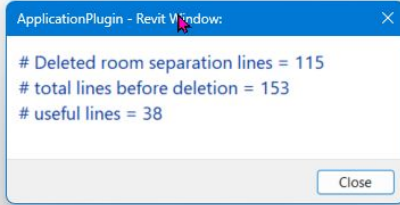
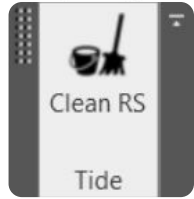
C&I qto Automation

Automation for C&I quantities extraction after package A

	A	B	C	D	E	F
1						
2	SL.NO	ITEMS	REVIT_ID	REVIT_C\UNIT	QUANTITY	
3		Gypsum partition	TypeName_A2.1	wall	Sqm	763.395
4		Gypsum partition MR	TypeName_A2.2	wall	Sqm	40.164
5		Gypsum partition W Ply backing	TypeName_A2.3	wall	Sqm	45.582
6		Gypsum partition Fire Rated	TypeName_C2.1	wall	Sqm	0
7						
8		Bulk head partition	WIP		Sqm	
9		Storefront Bulkhead	WIP	wall	Sqm	
10						
11		STOREFRONT				
12		S1	TypeName_S1	wall	Sqm	165.088
13		S2	TypeName_S2	wall	Sqm	46.596
14						
15		Blockwall For All areas				
16		100mm	TypeName_U1.1	wall	Sqm	1.578
17		150mm	TypeName_U1.2	wall	Sqm	0
18		200mm	TypeName_U1.3	wall	Sqm	0
19						
20		Mirror Panelling	N.A.		Sqm	
21		Fire rated glass Partition	N.A.		Sqm	
22						
23		Gypsum ceiling	TypeName_Gypsum	ceiling	Sqm	0
24		Calcium silicate ceiling	TypeName_Calcium	ceiling	Sqm	0
			TypeName_Grid	ceiling	Sqm	0
			TypeName_Veneer	ceiling	Sqm	0
			WIP		Nos	
		DOORING & SKIRTING				
			TypeName_Skirting	wall	Rmt	0
			TypeName_Wood Straight-WD	floor	Sqm	0



Room separation cleanup

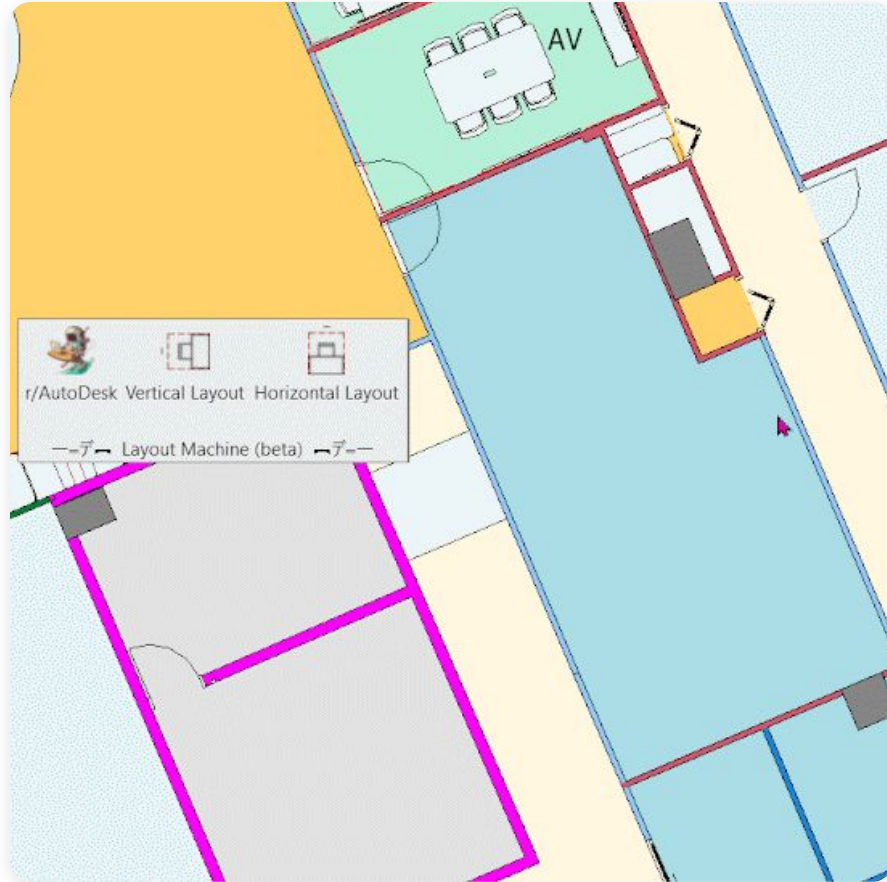


This tool helps Studio team in keeping the quality of design models and remove any unnecessary room separation lines from 3D model.

This results in better quality of as built as well as 3D Revit models become light to handle.

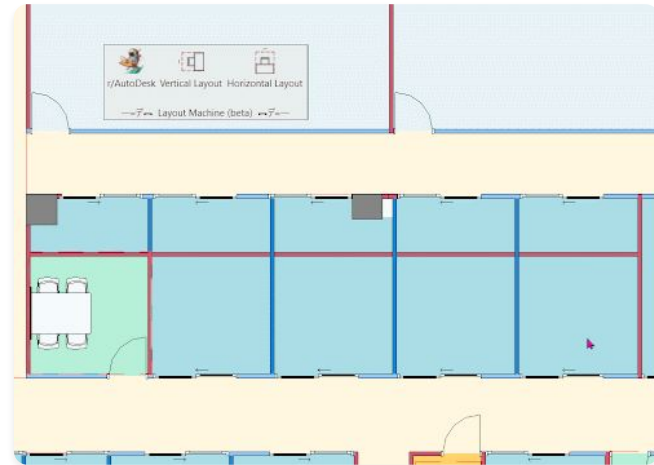


Desk layout automation



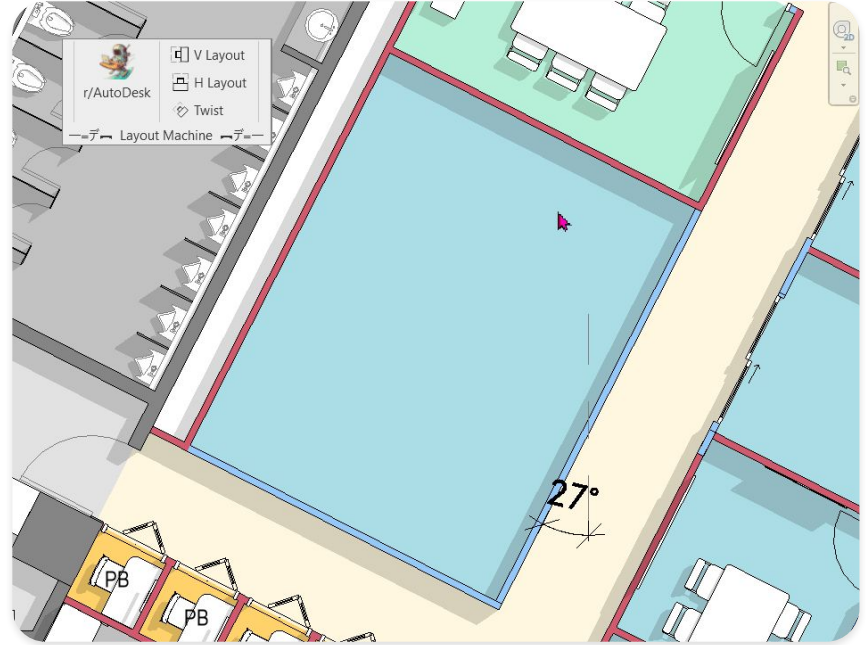
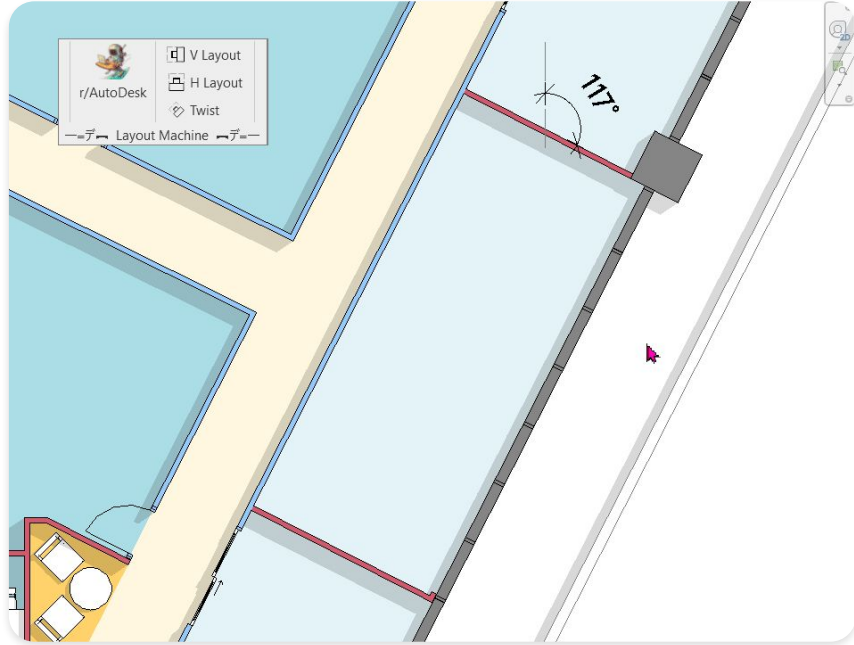
This tool helps the Studio team in generating desk layouts in office spaces fairly quickly.

This tool helps in L3 Testfits, classic Layouts and custom projects.



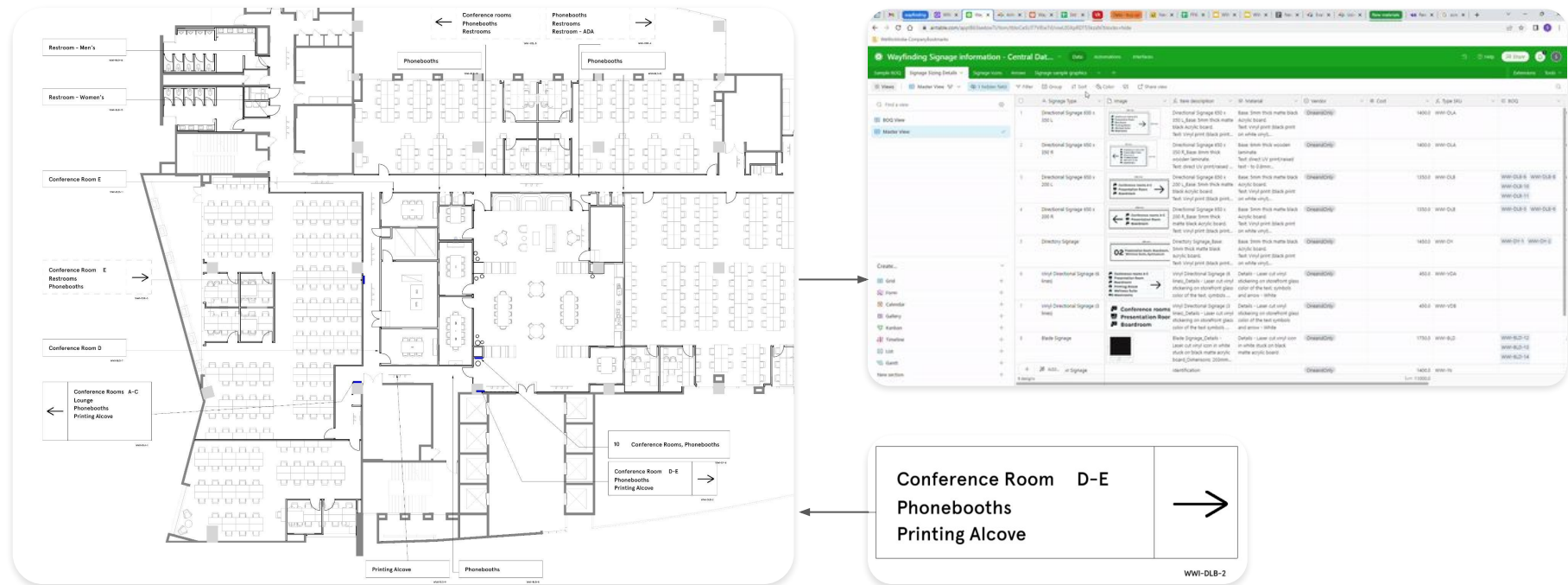
Desk layout automation

Feature Update : Added the new tool button to **incorporate rotated Rooms**



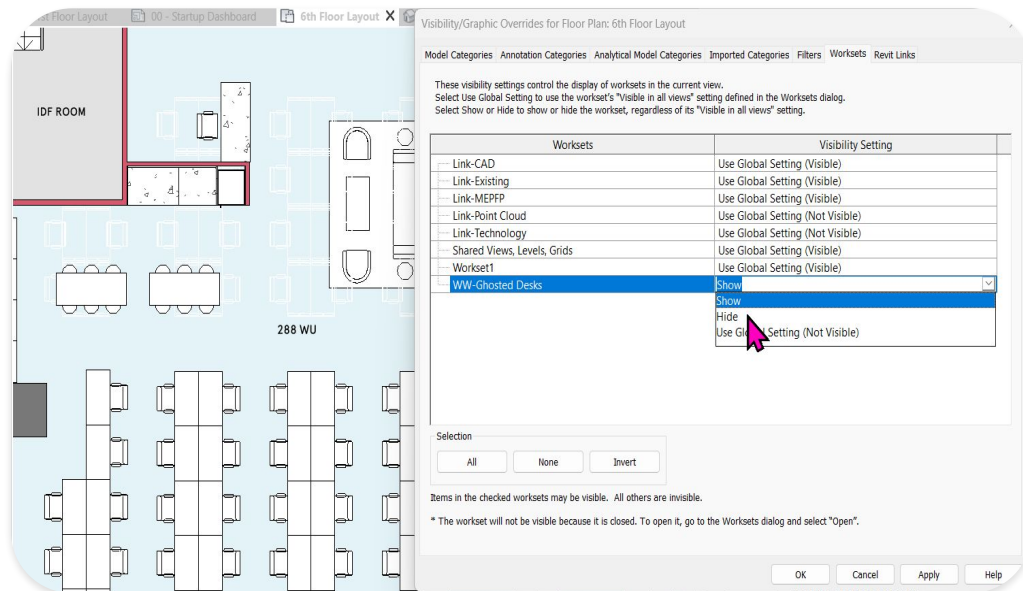
Automated Wayfinding Workflow

Innovative way to **create wayfinding plan in Revit** and export to standard's wayfinding
Airtable to **generate BOQ** and Production drawings.



Ghosted Desk workset correction

Changes ghosted desks' workset for **better quality control of Revit models** and easier visibility controls for ghosted desks. (Helps in quality control of Revit models)



ApplicationPlugin - Desk Totals :

Count of 1_Person-Office-Desk

Total Work Units = 2228

Total Physical Desks = 1816

Total Ghosted Desks = 412

Bulk Furniture cost export

This tool **exports the bulk items** in an excel for a **quick cost check** on the design based on New Product Database. (Helps in monitoring the project cost of bulk approved items)



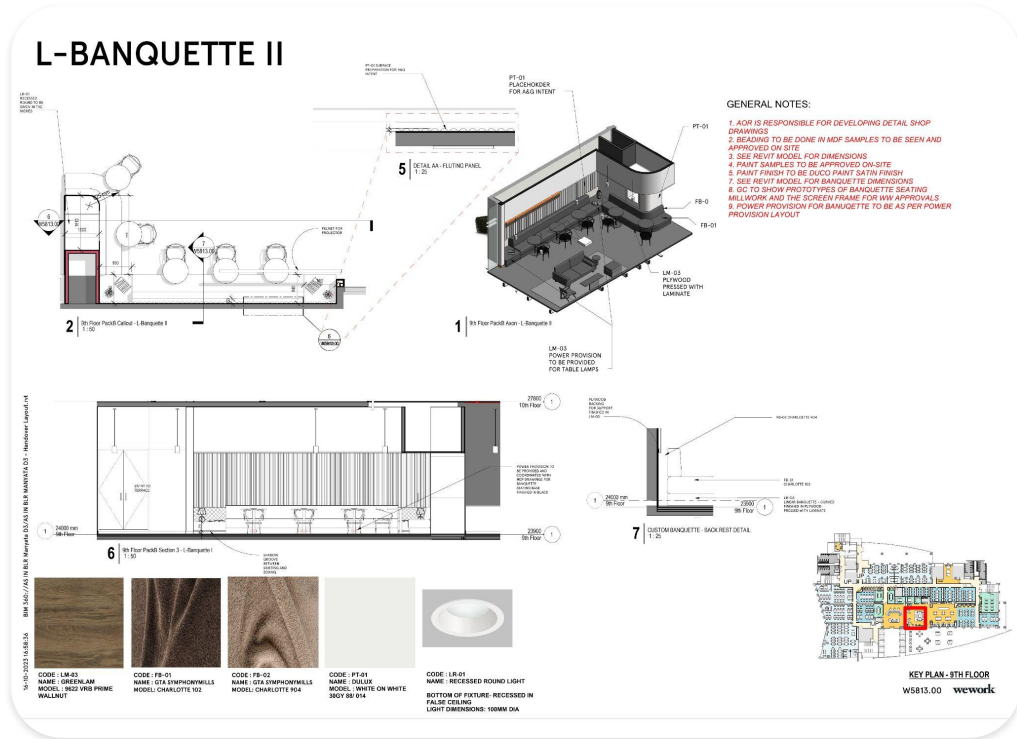
The screenshot of the 'New Product Database' software interface displays a list of furniture items. The table includes columns for Item ID, Unit Price, Material Name, Dimensions, Description, Vendor, and Approval status. The items are categorized into 'Storage' and 'Bench' groups.

Item ID	Unit Price	Material Name	Dimensions	Description	Vendor	Approval
Storage Count: 3 Sum: 41658						
WWF-FU-STR-05-01	5750	REAL 9010 Pure White Brazilian beech	LEN:1750, WIDTH:480, H:1500	BOOY 180MM practical board with real beech laminate (Shutter 2mm thick x45 sheet, Powder coated with Real 9010 pure white	Human Interiors	Approved
WWF-FU-STR-06-01	17954	Black-210666/Merino	LEN:1750, WIDTH:550, H:1500	BOOY 25MM practical board with Merino 21066 black OR Greenlam Black Omega 401 Laminate (Shutter 18MM practical board with Merino 21066 black OR...	Human Interiors	Approved
WWF-FU-STR-06-01	17934	Black-210666/Merino	LEN:1750, WIDTH:550, H:1500	BOOY 25MM practical board with Merino 21066 black OR Greenlam Black Omega 401 Laminate (Shutter 18MM practical board with Merino 21066 black OR...	Tom Interiors	Approved
Bench Count: 11 Sum: 139840						
WWF-FU-BCH-04-02	12009	Beech Wood Omega W000330	LEN:1750, WIDTH:480, H:480	Seat Made of 100mm Foam Layer 1 - Medium Density Foam Layer 2 - High Density Foam Layer 3 - Dacron Wrap Layer 4 - Removable Textiles...	Wingate Woods	Approved
WWF-FU-BCH-04-02	17730	Beech Wood Omega W000330	LEN:1750, WIDTH:480, H:480	Seat Made of 100mm Foam Layer 1 - Medium Density Foam Layer 2 - High Density Foam	S F A Works	Approved
227 Items Sum: 356696						

Package B Automation

This tool automated, **standardized and streamlined the Package B creation** in Revit.

Reduces working hours and improves on the overall sheet quality of the package B and makes it more consistent across projects.



Input Casework Name

Total Casework/Furniture Selected = 71

Kindly input the casework name and select floor number :)

Casework Name = L - BANQUETTE II

Floor Number = 9th Floor

Pack B Sheet Cancel