

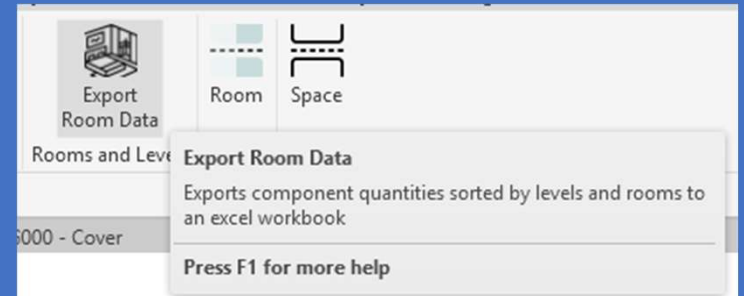
Problem Statement:

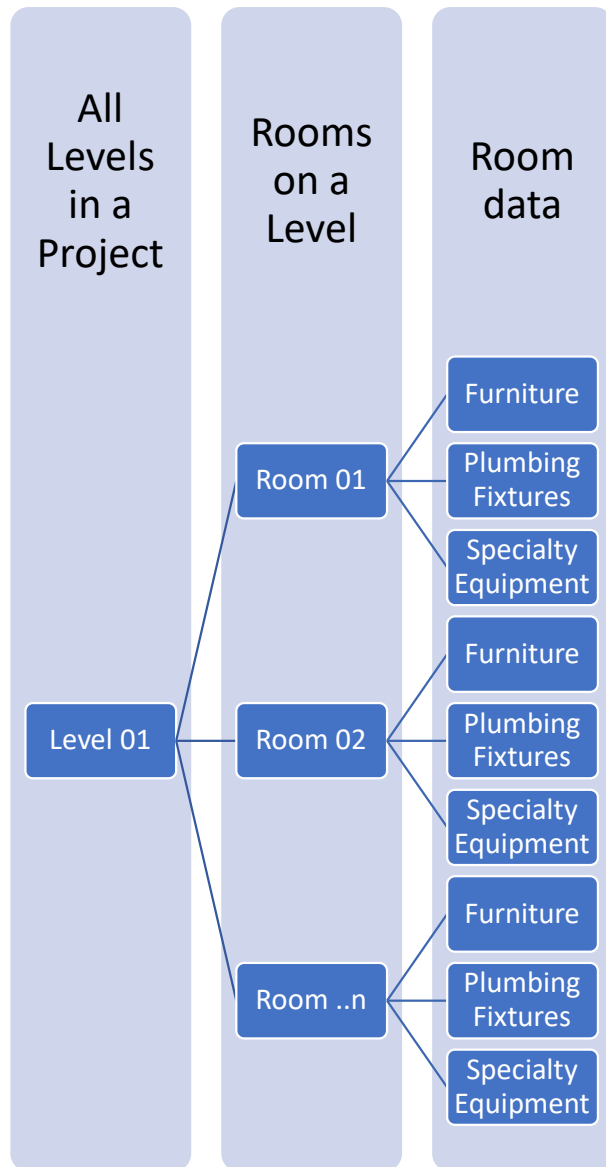
IGBC guidelines require us to calculate the Room coverage areas.

Most of the Revit families for furniture and fixtures do not have dimensional information. It becomes tedious to embed this information in the families in large scale projects where the numbers are huge.

The Solution:

The tool exports the detailed information related to rooms as per IGBC guidelines. Details about furniture, fixtures and equipment in the room is exported to excel. An excel tab corresponding to each level in the project is created and filled with the relevant information.





Room Data Extraction

Room Component Dimensions

An excel tab corresponding to each level in the project is created and filled with the following information:



1. Room Name
2. Room Number
3. Room Area [sqm]
4. Room Perimeter [mm]
5. Total surface area of enclosing walls [sqm]
6. Room Height [mm]
7. Total number of Components in the room [Including Furniture, Plumbing Fixtures, and specialty equipment]
8. Number of Furniture components in the room
9. Number of Plumbing fixtures in the room
10. Number of Specialty equipment in the room
11. Detail of every component in the room including its name, category, length, width and height.

	A	B	C	D	E	F	G	H	I	J	K	L	M	
1	Room Name	Room f	Room Ar	Perimet	Boundary Surf	Room Heig	Total Number of C	Number of	Number of Plur	Number of Specia	Component Name	Component C	Component Area	Tota
94	OFFICER ROOM 1358	1358	20.4	18399.99	73.6	4000	4	4	0	0				
95											sofa-Sofa set	Furniture	4.84	
97											TABLE & CHAIR-CONSULTANT TABLE	Furniture	2.89	
98	OFFICER ROOM 1359	1359	17.53	17199.98	68.8	4000	4	4	0	0				
99											TABLE & CHAIR-CONSULTANT TABLE	Furniture	2.89	
100											sofa-Sofa set	Furniture	4.84	
102	MEETING HALL 1360	1360	154.24	55593.98	222.38	4000	64	63	0	1				
104											Conference_Table_30seater-Conference_Tak	Furniture	69.93	
138											meeting hall chairs-meeting hall chairs	Furniture	3.45	
145											meeting hall chairs-meeting hall chairs	Furniture	3.45	
152											meeting hall chairs-meeting hall chairs	Furniture	3.45	
159											meeting hall chairs-meeting hall chairs	Furniture	3.45	
166	OFFICER ROOM 1361	1361	35.61	27699.99	110.8	4000	6	4	0	2				
167											sofa-Sofa set	Furniture	4.84	
169											TABLE & CHAIR-CONSULTANT TABLE	Furniture	2.89	
175	ADMINISTRATICE OFFICE AREA	1363	151.33	54600	218.4	4000	15	15	0	0				
183											ROW table and chair(3)-row table and chair -	Furniture	4.67	
184											ROW table and chair(3)-row table and chair -	Furniture	4.67	
185											ROW table and chair(3)-row table and chair -	Furniture	4.67	
186											ROW table and chair(3)-row table and chair -	Furniture	4.67	
187											ROW table and chair(3)-row table and chair -	Furniture	4.67	
188											ROW table and chair(3)-row table and chair -	Furniture	4.67	
189											ROW table and chair(3)-row table and chair -	Furniture	4.67	
190	MEETING HALL 1364	1364	91.46	43800	175.2	4000	33	32	0	1				
209											meeting hall chairs-meeting hall chairs	Furniture	3.45	
216											meeting hall chairs-meeting hall chairs	Furniture	3.45	
229	MEDICAL SUPERINTENDENT CH	1367	34.68	23800.01	95.2	4000	4	4	0	0				
230											sofa-Sofa set	Furniture	4.84	
232											consultant table with 3 chairs-CONSULTANT T	Furniture	4.28	
234	MEETING ROOM 1369	1369	26.77	21100	84.4	4000	3	3	0	0				
235											Conference_Table_19seater-48" x 144"	Furniture	323.43	
236											ROW table and chair(3)-row table and chair -	Furniture	4.67	
237											ROW table and chair(3)-row table and chair -	Furniture	4.67	
241														
242														
243														