

Data Dictionary of .DB file

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一、Correspondence of 3D/BIM format and Tables in the DB

3D/BIM format/Tab le Name	model _tree _base	model _tree	model _type	model_g roup	model_w orkset	model_p roperty	model_s pace	model_prop erty_space	model_3 dviews	model_s chedule
Revit	√	√	√	√	√	√	√	√	√	√
Bentley		√				√				
Tekla		√				√				
Navisworks		√				√				
Inventor		√				√				
Solidworks		√				√				
PDMS		√				√				

SP3D		✓				✓				
AutoCAD		✓				✓				
Dxf		✓				✓				
Sketchup		✓				✓				
Ifc		✓	✓	✓		✓				
Fbx		✓				✓				
Stp/Step		✓				✓				
Stl		✓				✓				
3dxml		✓				✓				
Iges/igs		✓				✓				
Dae		✓				✓				

二、Table and Column Definitions

model_tree_base(Revit model element basic info table)

*Table Description:

This table stores basic information about Revit element: Element ID, element name, category, family, family type, and floor level. allowing users to customize their Revit model structure trees using the element data from this table. The data is shown in the figure below:

	id	glid	pGlid	name	category	family	type	floor	level
1	1	4386919	0	Wall_Wood Siding_5.5"	墙	基本墙	Wall_Wood Siding_5.5\"	LOWER LEVEL	0
2	2	4386920	0	Wall_Wood Siding_6"	墙	基本墙	Wall_Wood Siding_6\"	LOWER LEVEL	0
3	3	4386921	0	Wall_Wood Siding_5.5"	墙	基本墙	Wall_Wood Siding_5.5\"	LOWER LEVEL	0
4	4	4386922	0	Generic - 5.5"	墙	基本墙	Generic - 5.5\"	LOWER LEVEL	0
5	5	4386923	0	Wall_Wood Siding_5.5"	墙	基本墙	Wall_Wood Siding_5.5\"	LOWER LEVEL	0
6	6	4386924	0	Cement Board Panel Siding 5.5"	墙	基本墙	Cement Board Panel Siding 5.5\"	LOWER LEVEL	0
7	7	4386925	0	Wall_Wood Siding_5.5"	墙	基本墙	Wall_Wood Siding_5.5\"	LOWER LEVEL	0
8	8	4386926	0	Wall_Wood Siding_5.5"	墙	基本墙	Wall_Wood Siding_5.5\"	LOWER LEVEL	0
9	9	4386927	0	Wall_Wood Siding_5.5"	墙	基本墙	Wall_Wood Siding_5.5\"	LOWER LEVEL	0
10	10	4386928	0	Wall_Wood Siding_5.5"	墙	基本墙	Wall_Wood Siding_5.5\"	LOWER LEVEL	0
11	11	4386929	0	Wall_Wood Siding_5.5"	墙	基本墙	Wall_Wood Siding_5.5\"	LOWER LEVEL	0
12	12	4386931	0	Wall_Wood Siding_5.5"	墙	基本墙	Wall_Wood Siding_5.5\"	LOWER LEVEL	0
13	13	4386932	0	Wall_Wood Siding_5.5"	墙	基本墙	Wall_Wood Siding_5.5\"	LOWER LEVEL	0
14	14	4386933	0	Wall_Wood Siding_5.5"	墙	基本墙	Wall_Wood Siding_5.5\"	LOWER LEVEL	0
15	15	4386934	0	Wall_Wood Siding_5.5"	墙	基本墙	Wall_Wood Siding_5.5\"	LOWER LEVEL	0
16	16	4386935	0	Wall_Wood Siding_3.5"	墙	基本墙	Wall_Wood Siding_3.5\"	LOWER LEVEL	0
17	17	4386936	0	Wall_Wood Siding_5.5"	墙	基本墙	Wall_Wood Siding_5.5\"	LOWER LEVEL	0
18	18	4386937	0	Wall_Wood Siding_3.5"	墙	基本墙	Wall_Wood Siding_3.5\"	LOWER LEVEL	0
19	19	4386938	0	Wall_Wood Siding_3.5"	墙	基本墙	Wall_Wood Siding_3.5\"	LOWER LEVEL	0
20	20	4386939	0	Wall_Wood Siding_3.5"	墙	基本墙	Wall_Wood Siding_3.5\"	LOWER LEVEL	0
21	21	4386940	0	Wall_Wood Siding_3.5"	墙	基本墙	Wall_Wood Siding_3.5\"	LOWER LEVEL	0
22	22	4386941	0	Wall_Wood Siding_3.5"	墙	基本墙	Wall_Wood Siding_3.5\"	LOWER LEVEL	0
23	23	4386942	0	Wall_Wood Siding_3.5"	墙	基本墙	Wall_Wood Siding_3.5\"	LOWER LEVEL	0
24	24	4386943	0	Wall_Wood Siding_5.5"	墙	基本墙	Wall_Wood Siding_5.5\"	LOWER LEVEL	0
25	25	4386944	0	Wall_Wood Siding_5.5"	墙	基本墙	Wall_Wood Siding_5.5\"	LOWER LEVEL	0
26	26	4386945	0	Wall_Wood Siding_3.5"	墙	基本墙	Wall_Wood Siding_3.5\"	LOWER LEVEL	0
27	27	4386946	0	Wall_Wood Siding_5.5"	墙	基本墙	Wall_Wood Siding_5.5\"	LOWER LEVEL	0
28	28	4386947	0	Generic - 3.5"	墙	基本墙	Generic - 3.5\"	LOWER LEVEL	0
29	29	4386948	0	Wall_Wood Siding_3.5"	墙	基本墙	Wall_Wood Siding_3.5\"	LOWER LEVEL	0

*Column Definitions:

No.	Column Name	Data type	Key	Is Null	Description
1	id	int	Yes	Not	Auto Increment

2	glid	varchar		Yes	Property Reference ID
3	pGlid	varchar		Yes	Parent ID (references glid)
4	name	varchar		Yes	Element Name
5	category	varchar		Yes	Category of family
6	family	varchar		Yes	Family of type
7	type	varchar		Yes	Family type of element
8	floor	varchar		Yes	Floor of element
9	level	int		Yes	Level of this structure

model_tree(Model structure table)

Table Description:

This table stores the model structure tree. For Revit models, it stores the floor-level structure tree with the following hierarchy: Floor -> Family Category -> Family -> Family Type -> Element. For models in other formats, a general model structure tree is stored, with the lowest level being an element or part. As shown in the figure below:

	id	glid	pGlid	level	name	externalId	groupname
1	1	45cc91d9-12a2-4ef4-9498-7af3c15d242b	0	0	LOWER LEVEL	0	
2	2	e72dff18-f954-49a7-8f69-8c3c85d6d86a	45cc91d9-12a2-4ef4-9498-7af3c15d242b	1	墙	0	墙
3	3	a6f21e35-2fe0-4e69-a1c2-8e9894a9d5eb	e72dff18-f954-49a7-8f69-8c3c85d6d86a	2	基本墙	0	墙
4	4	d6192345-c8a8-48e1-b7ca-ffecb6bbb0d8	a6f21e35-2fe0-4e69-a1c2-8e9894a9d5eb	3	Wall_Wood Siding_5.5"	0	墙
5	5	4386919	d6192345-c8a8-48e1-b7ca-ffecb6bbb0d8	4	Wall_Wood Siding_5.5"	4386919	墙
6	6	4386921	d6192345-c8a8-48e1-b7ca-ffecb6bbb0d8	4	Wall_Wood Siding_5.5"	4386921	墙
7	7	4386923	d6192345-c8a8-48e1-b7ca-ffecb6bbb0d8	4	Wall_Wood Siding_5.5"	4386923	墙
8	8	4386925	d6192345-c8a8-48e1-b7ca-ffecb6bbb0d8	4	Wall_Wood Siding_5.5"	4386925	墙
9	9	4386926	d6192345-c8a8-48e1-b7ca-ffecb6bbb0d8	4	Wall_Wood Siding_5.5"	4386926	墙
10	10	4386927	d6192345-c8a8-48e1-b7ca-ffecb6bbb0d8	4	Wall_Wood Siding_5.5"	4386927	墙
11	11	4386928	d6192345-c8a8-48e1-b7ca-ffecb6bbb0d8	4	Wall_Wood Siding_5.5"	4386928	墙
12	12	4386929	d6192345-c8a8-48e1-b7ca-ffecb6bbb0d8	4	Wall_Wood Siding_5.5"	4386929	墙
13	13	4386931	d6192345-c8a8-48e1-b7ca-ffecb6bbb0d8	4	Wall_Wood Siding_5.5"	4386931	墙
14	14	4386932	d6192345-c8a8-48e1-b7ca-ffecb6bbb0d8	4	Wall_Wood Siding_5.5"	4386932	墙
15	15	4386933	d6192345-c8a8-48e1-b7ca-ffecb6bbb0d8	4	Wall_Wood Siding_5.5"	4386933	墙
16	16	4386934	d6192345-c8a8-48e1-b7ca-ffecb6bbb0d8	4	Wall_Wood Siding_5.5"	4386934	墙
17	17	4386936	d6192345-c8a8-48e1-b7ca-ffecb6bbb0d8	4	Wall_Wood Siding_5.5"	4386936	墙
18	18	4386943	d6192345-c8a8-48e1-b7ca-ffecb6bbb0d8	4	Wall_Wood Siding_5.5"	4386943	墙
19	19	4386944	d6192345-c8a8-48e1-b7ca-ffecb6bbb0d8	4	Wall_Wood Siding_5.5"	4386944	墙
20	20	4386946	d6192345-c8a8-48e1-b7ca-ffecb6bbb0d8	4	Wall_Wood Siding_5.5"	4386946	墙
21	21	4386955	d6192345-c8a8-48e1-b7ca-ffecb6bbb0d8	4	Wall_Wood Siding_5.5"	4386955	墙
22	22	4386956	d6192345-c8a8-48e1-b7ca-ffecb6bbb0d8	4	Wall_Wood Siding_5.5"	4386956	墙
23	23	4386957	d6192345-c8a8-48e1-b7ca-ffecb6bbb0d8	4	Wall_Wood Siding_5.5"	4386957	墙
24	24	4386958	d6192345-c8a8-48e1-b7ca-ffecb6bbb0d8	4	Wall_Wood Siding_5.5"	4386958	墙
25	25	4386965	d6192345-c8a8-48e1-b7ca-ffecb6bbb0d8	4	Wall_Wood Siding_5.5"	4386965	墙
26	26	4386966	d6192345-c8a8-48e1-b7ca-ffecb6bbb0d8	4	Wall_Wood Siding_5.5"	4386966	墙
27	27	4386973	d6192345-c8a8-48e1-b7ca-ffecb6bbb0d8	4	Wall_Wood Siding_5.5"	4386973	墙
28	28	4386974	d6192345-c8a8-48e1-b7ca-ffecb6bbb0d8	4	Wall_Wood Siding_5.5"	4386974	墙
29	29	4386977	d6192345-c8a8-48e1-b7ca-ffecb6bbb0d8	4	Wall_Wood Siding_5.5"	4386977	墙
30	30	4386979	d6192345-c8a8-48e1-b7ca-ffecb6bbb0d8	4	Wall_Wood Siding_5.5"	4386979	墙
31	31	4386980	d6192345-c8a8-48e1-b7ca-ffecb6bbb0d8	4	Wall_Wood Siding_5.5"	4386980	墙

*Column Definitions:

No.	Column Name	Data type	Key	Is Null	Description
1	id	int	Yes	Not	Auto Increment
2	glid	varchar		Yes	Property Reference ID
3	pGlid	varchar		Yes	Parent ID (references glid)
4	level	int		Yes	Level of this structure
5	name	varchar		Yes	Element/Part Name
6	externalId	varchar		Yes	Element/Part ID

Note:

1. This table is stored using a hierarchical structure, with glid and pGlid used to represent hierarchical relationships.

2. The model_property.glid Column in the model_property table can be associated with the glid Column in this table for a query.

model_type(Revit model family structural table)

*Table Description:

This table stores the Revit model's family structural tree, with storage levels as follows: Family Category → Family → Family Type → Component. See the figure below:

	id	glid	pGlid	level	name	externalId	groupname
1	1	cbb14054-94c5-462c-a2eb-938e9138bfa5	0	0	墙	0	墙
2	2	90a984cf-6d89-4e0a-95cd-c77ca9063949	cbb14054-94c5-462c-a2eb-938e9138bfa5	1	基本墙	0	墙
3	3	f425b37a-565a-46eb-8878-03d88e2c8c66	90a984cf-6d89-4e0a-95cd-c77ca9063949	2	Wall_Wood Siding_5.5"	0	墙
4	4	4386919	f425b37a-565a-46eb-8878-03d88e2c8c66	3	Wall_Wood Siding_5.5"	4386919	墙
5	5	4386921	f425b37a-565a-46eb-8878-03d88e2c8c66	3	Wall_Wood Siding_5.5"	4386921	墙
6	6	4386923	f425b37a-565a-46eb-8878-03d88e2c8c66	3	Wall_Wood Siding_5.5"	4386923	墙
7	7	4386925	f425b37a-565a-46eb-8878-03d88e2c8c66	3	Wall_Wood Siding_5.5"	4386925	墙
8	8	4386926	f425b37a-565a-46eb-8878-03d88e2c8c66	3	Wall_Wood Siding_5.5"	4386926	墙
9	9	4386927	f425b37a-565a-46eb-8878-03d88e2c8c66	3	Wall_Wood Siding_5.5"	4386927	墙
10	10	4386928	f425b37a-565a-46eb-8878-03d88e2c8c66	3	Wall_Wood Siding_5.5"	4386928	墙
11	11	4386929	f425b37a-565a-46eb-8878-03d88e2c8c66	3	Wall_Wood Siding_5.5"	4386929	墙
12	12	4386931	f425b37a-565a-46eb-8878-03d88e2c8c66	3	Wall_Wood Siding_5.5"	4386931	墙
13	13	4386932	f425b37a-565a-46eb-8878-03d88e2c8c66	3	Wall_Wood Siding_5.5"	4386932	墙
14	14	4386933	f425b37a-565a-46eb-8878-03d88e2c8c66	3	Wall_Wood Siding_5.5"	4386933	墙
15	15	4386934	f425b37a-565a-46eb-8878-03d88e2c8c66	3	Wall_Wood Siding_5.5"	4386934	墙
16	16	4386936	f425b37a-565a-46eb-8878-03d88e2c8c66	3	Wall_Wood Siding_5.5"	4386936	墙
17	17	4386943	f425b37a-565a-46eb-8878-03d88e2c8c66	3	Wall_Wood Siding_5.5"	4386943	墙
18	18	4386944	f425b37a-565a-46eb-8878-03d88e2c8c66	3	Wall_Wood Siding_5.5"	4386944	墙
19	19	4386946	f425b37a-565a-46eb-8878-03d88e2c8c66	3	Wall_Wood Siding_5.5"	4386946	墙
20	20	4386955	f425b37a-565a-46eb-8878-03d88e2c8c66	3	Wall_Wood Siding_5.5"	4386955	墙
21	21	4386956	f425b37a-565a-46eb-8878-03d88e2c8c66	3	Wall_Wood Siding_5.5"	4386956	墙
22	22	4386957	f425b37a-565a-46eb-8878-03d88e2c8c66	3	Wall_Wood Siding_5.5"	4386957	墙
23	23	4386958	f425b37a-565a-46eb-8878-03d88e2c8c66	3	Wall_Wood Siding_5.5"	4386958	墙
24	24	4386965	f425b37a-565a-46eb-8878-03d88e2c8c66	3	Wall_Wood Siding_5.5"	4386965	墙
25	25	4386966	f425b37a-565a-46eb-8878-03d88e2c8c66	3	Wall_Wood Siding_5.5"	4386966	墙
26	26	4386973	f425b37a-565a-46eb-8878-03d88e2c8c66	3	Wall_Wood Siding_5.5"	4386973	墙
27	27	4386974	f425b37a-565a-46eb-8878-03d88e2c8c66	3	Wall_Wood Siding_5.5"	4386974	墙

*Column Definitions:

No.	Column Name	Data type	Key	Is Null	Description
1	id	int	Yes	Not	Auto Increment
2	glid	varchar		Yes	Property Reference ID
3	pGlid	varchar		Yes	Parent ID (references glid)
4	level	int		Yes	Level of this structure
5	name	varchar		Yes	Element/Part Name
6	externalId	varchar		Yes	Element/Part ID

Note:

1. This table is stored using a hierarchical structure, with glid and pGlid used to represent hierarchical relationships.
2. The model_property.glid Column in the model_property table can be associated with the glid Column in this table for a query.

model_group(Model Group Structure Table)

*Table Description:

This table stores the model group structure tree, with storage levels as follows: Model Group→Element or Model Group→Model

Group→Element. See the figure below:

rowid	id	glid	pGlid	level	name	externalId
			Click here to define a filter			
1	1	2473316	0	0	组 10	2473316
2	2	2473300	2473316	1	PM-横担-槽钢	2473300
3	3	2473301	2473316	1	PM-横担-槽钢	2473301
4	4	2473302	2473316	1	PM-木托 (圆管卡)	2473302
5	5	2473303	2473316	1	PM-木托 (圆管卡)	2473303
6	6	2473304	2473316	1	PM-木托 (圆管卡)	2473304
7	7	2473305	2473316	1	PM-木托 (圆管卡)	2473305
8	8	2473306	2473316	1	PM-管卡	2473306
9	9	2473307	2473316	1	PM-管卡	2473307
10	10	2473308	2473316	1	PM-管卡	2473308
11	11	2473309	2473316	1	PM-管卡	2473309
12	12	2473312	2473316	1	PM-檩条-水平	2473312

*Column Definitions:

No.	Column Name	Data type	Key	Is Null	Description
1	id	int	Yes	Not	Auto Increment
2	glid	varchar		Yes	Property Reference ID
3	pGlid	varchar		Yes	Parent ID (references glid)
4	level	int		Yes	Level of this structure
5	name	varchar		Yes	Group/Element Name
6	externalId	varchar		Yes	Element/Part ID

model_workset(Revit model workset structure table)

*Table Description:

This table stores the model workset structure tree, with storage levels organized as follows: Workset→Element. As shown in the figure below:

id	glid	pGlid	level	name	externalId
Click here to define a filter					
1	0	1ef6667c-372f-475e-8c22-8fe1ce32a548	0	工作集 1	0
2	333533	0	1	常规 - 200mm	333533
3	333600	0	1	常规 - 200mm	333600
4	333668	0	1	常规 - 200mm	333668
5	333734	0	1	常规 - 200mm	333734
6	333775	0	1	750 x 2000mm	333775
7	393	1ef6667c-372f-475e-8c22-8fe1ce32a548	0	空调	393
8	333921	393	1	常规 - 200mm	333921
9	334084	393	1	0915 x 1220mm	334084
10	333987	393	1	0915 x 1220mm	333987
11	334194	393	1	0915 x 1220mm	334194
12	390	1ef6667c-372f-475e-8c22-8fe1ce32a548	0	给排水系统	390
13	334534	390	1	默认	334534

*Column Definitions:

No.	Column Name	Data type	Key	Is Null	Description
1	id	int	Yes	Not	Auto Increment
2	glid	varchar		Yes	Property Reference ID
3	pGlid	varchar		Yes	Parent ID (references glid)

4	level	int		Yes	Level of this structure
5	name	varchar		Yes	Workset Name
6	externalld	varchar		Yes	Element/Part ID

model_property(model component/part property table)

*Table Description:

This table stores property data related to model components/part, corresponding to the attribute panel in modeling software—for example, the structural material, volume, area, and Specifications of a model component. See the figure below:

	id	glid	externalId	propertyTypeName	propertySetName	propertyname	ifcurl	value	modelName	groupname
1	1	4386919	4386919	properties	结构	结构		0	house_rvt	基本墙
2	2	4386919	4386919	properties	结构	启用分析模型		0	house_rvt	基本墙
3	3	4386919	4386919	properties	结构	结构用途		0	house_rvt	基本墙
4	4	4386919	4386919	properties	约束	定位线		2	house_rvt	基本墙
5	5	4386919	4386919	properties	标识数据	图像			house_rvt	基本墙
6	6	4386919	4386919	properties	标识数据	注释			house_rvt	基本墙
7	7	4386919	4386919	properties	标识数据	标记			house_rvt	基本墙
8	8	4386919	4386919	properties	消防系统	Rating			house_rvt	基本墙
9	9	4386919	4386919	properties	构造	Partition Head			house_rvt	基本墙
10	10	4386919	4386919	properties	消防系统	Smoke Partition			house_rvt	基本墙
11	11	4386919	4386919	properties	阶段化	创建的阶段		New Construction	house_rvt	基本墙
12	12	4386919	4386919	properties	阶段化	拆除的阶段		无	house_rvt	基本墙
13	13	4386919	4386919	properties	标识数据	设计选项		主模型	house_rvt	基本墙
14	14	4386919	4386919	properties	约束	底部约束		LOWER LEVEL	house_rvt	基本墙
15	15	4386919	4386919	properties	约束	底部偏移(m)		0	house_rvt	基本墙
16	16	4386919	4386919	properties	约束	已附着底部		0	house_rvt	基本墙
17	17	4386919	4386919	properties	约束	底部延伸距离(m)		0	house_rvt	基本墙
18	18	4386919	4386919	properties	约束	顶部约束		直到标高: MAIN LEVEL	house_rvt	基本墙
19	19	4386919	4386919	properties	约束	无连接高度(m)		2.95910000000019	house_rvt	基本墙
20	20	4386919	4386919	properties	约束	顶部偏移(m)		0	house_rvt	基本墙
21	21	4386919	4386919	properties	约束	已附着顶部		0	house_rvt	基本墙
22	22	4386919	4386919	properties	约束	顶部延伸距离(m)		0	house_rvt	基本墙
23	23	4386919	4386919	properties	约束	房间边界		1	house_rvt	基本墙
24	24	4386919	4386919	properties	尺寸标注	长度(m)		6.04519999999998	house_rvt	基本墙
25	25	4386919	4386919	properties	尺寸标注	面积(m²)		12.5709426000013	house_rvt	基本墙
26	26	4386919	4386919	properties	尺寸标注	体积(m³)		1.75616068122017	house_rvt	基本墙
27	27	4386919	4386919	properties	约束	与体量相关		0	house_rvt	基本墙
28	28	4386919	4386919	type	构造	结构			house_rvt	基本墙
29	29	4386919	4386919	type	图形	粗略比例填充样式		Concrete	house_rvt	基本墙
30	30	4386919	4386919	type	图形	粗略比例填充颜色		0	house_rvt	基本墙
31	31	4386919	4386919	type	构造	在插入点包络		0	house_rvt	基本墙
32	32	4386919	4386919	type	构造	在端点包络		0	house_rvt	基本墙
33	33	4386919	4386919	type	构造	厚度(m)		0.1397	house_rvt	基本墙
34	34	4386919	4386919	type	标识数据	类型图像			house_rvt	基本墙

*Column Definitions:

No.	Column Name	Data type	Key	Is Null	Description
1	id	int	Yes	Not	Auto Increment
2	glid	varchar		Yes	Reference ID
3	externalId	varchar		Yes	Element/Part ID
4	propertyTypeName	varchar		Yes	Property Type
5	propertySetName	varchar		Yes	PropertyType Child
6	propertyname	varchar		Yes	Property Name

8	value	varchar		Yes	Property Content
9	modelName	varchar		Yes	Model file name

Note:

1. The column glid is associated with the glid field in the tables

model_tree,model_type,and model_tree_base.

2. Value of the Column propertyName (Major property category)

under different model formats:

model format	Value of propertyName	Description
.rvt	properties	Element/Part Property
	type	Family property
Other format	properties	Element/Part Property

model_space(Revit model space structure table)

*Table Description:

This table stores the Revit model space structure tree, with the storage hierarchy as follows: Category (space or room) → Floor → Space (or room). As shown in the figure below:

rowid	id	glid	pGlid	level	name	externalId	groupname	floor
			Click here to define a filter					
1	1	d2903aaf-3b4a-4f3a-b905-a6aff55d38e6	0	0	room	0		
2	2	03ab5c9f-a46f-4894-95da-461849e510e6	d2903aaf-3b4a-4f3a-b905-a6aff55d38e6	1	7.8	0		7.8
3	3	856359	03ab5c9f-a46f-4894-95da-461849e510e6	2	房间 1	856359		7.8
4	4	1424661	03ab5c9f-a46f-4894-95da-461849e510e6	2	3阅览室 47	1424661		7.8
5	5	1424664	03ab5c9f-a46f-4894-95da-461849e510e6	2	3电梯间 48	1424664		7.8
6	6	1424667	03ab5c9f-a46f-4894-95da-461849e510e6	2	3楼梯间 49	1424667		7.8
7	7	1424670	03ab5c9f-a46f-4894-95da-461849e510e6	2	3会议室 50	1424670		7.8
8	8	1424673	03ab5c9f-a46f-4894-95da-461849e510e6	2	3男卫 51	1424673		7.8
9	9	1424679	03ab5c9f-a46f-4894-95da-461849e510e6	2	3办公室 53	1424679		7.8
10	10	1424682	03ab5c9f-a46f-4894-95da-461849e510e6	2	3楼梯间 54	1424682		7.8
11	11	1424685	03ab5c9f-a46f-4894-95da-461849e510e6	2	3办公室 55	1424685		7.8
12	12	1424688	03ab5c9f-a46f-4894-95da-461849e510e6	2	3办公区 58	1424688		7.8

*Column Definitions:

No.	Column Name	Data type	Key	Is Null	Description
1	id	int	Yes	否	Auto Increment
2	glid	varchar		Yes	Property Reference ID
3	pGlid	varchar		Yes	Parent ID (references glid)
4	level	int		Yes	Level of this structure
5	name	varchar		Yes	Space/Room Name
6	externalId	varchar		Yes	Space/Room ID
8	floor	varchar		Yes	Floor of Space/Room

Note:

1. This table is stored using a hierarchical structure, with glid and pGlid used to represent hierarchical relationships.
2. The model_property_space.glid field in the model_property_space table can be associated with the glid field in this table for a query.

model_property_space (Revit model space property table)

*Table Description:

This table stores property data related to space/room, corresponding to the attribute panel in Revit, as shown in the figure below:

id	externalid	propertytypename	propertyname	propertyname	icon	value	modelname	groupname	groupname
0TUaJawCD6X83JTKDd16N	379	object	常规	全局ID	xbim://EntityLabel/0	0TUaJawCD6X83JTKDd16N	ZD_H_5F_X_18500	已关闭	已关闭
0TUaJawCD6X83JTKDd16N	379	object	常规	主历史	xbim://EntityLabel/41	IfcOwnerHistory	ZD_H_5F_X_18500	已关闭	已关闭
0TUaJawCD6X83JTKDd16N	379	object	常规	名称	xbim://EntityLabel/0	普通类型-标准619281	ZD_H_5F_X_18500	已关闭	已关闭
0TUaJawCD6X83JTKDd16N	379	object	常规	描述	xbim://EntityLabel/0	<null>	ZD_H_5F_X_18500	已关闭	已关闭
0TUaJawCD6X83JTKDd16N	379	object	常规	对象的类型	xbim://EntityLabel/0	普通类型-标准142438	ZD_H_5F_X_18500	已关闭	已关闭
0TUaJawCD6X83JTKDd16N	379	object	常规	对象的位置	xbim://EntityLabel/365	IfcLocalPlacement	ZD_H_5F_X_18500	已关闭	已关闭
0TUaJawCD6X83JTKDd16N	379	object	常规	表示	xbim://EntityLabel/376	IfcProductDefinitionShape	ZD_H_5F_X_18500	已关闭	已关闭
0TUaJawCD6X83JTKDd16N	379	object	常规	标签	xbim://EntityLabel/0	619281	ZD_H_5F_X_18500	已关闭	已关闭
0TUaJawCD6X83JTKDd16N	379	object	常规	HasPorts (oo)	xbim://EntityLabel/38500	IfcRelConnectsPortToElement	ZD_H_5F_X_18500	已关闭	已关闭
0TUaJawCD6X83JTKDd16N	379	object	常规	包含结构	xbim://EntityLabel/40842	IfcRelContainedInSpatialStructure	ZD_H_5F_X_18500	已关闭	已关闭
0TUaJawCD6X83JTKDd16N	379	object	被定义	定义属性	xbim://EntityLabel/385	IfcRelDefinesByProperties	ZD_H_5F_X_18500	已关闭	已关闭
0TUaJawCD6X83JTKDd16N	379	object	被定义	定义类型	xbim://EntityLabel/40968	IfcRelDefinesByType	ZD_H_5F_X_18500	已关闭	已关闭
0TUaJawCD6X83JTKDd16N	379	object	常规	分配	xbim://EntityLabel/41138	IfcRelAssignsToGroup	ZD_H_5F_X_18500	已关闭	已关闭
0TUaJawCD6X83JTKDd16N	379	object	公用	名称	xbim://EntityLabel/0	普通类型-标准619281	ZD_H_5F_X_18500	已关闭	已关闭
0TUaJawCD6X83JTKDd16N	379	object	公用	描述	xbim://EntityLabel/0	<null>	ZD_H_5F_X_18500	已关闭	已关闭
0TUaJawCD6X83JTKDd16N	379	object	公用	指导	xbim://EntityLabel/0	0TUaJawCD6X83JTKDd16N	ZD_H_5F_X_18500	已关闭	已关闭
0TUaJawCD6X83JTKDd16N	379	object	公用	主源	xbim://EntityLabel/0	Xbim.If2x3.ActorResource.IfPersonAndC	ZD_H_5F_X_18500	已关闭	已关闭
0TUaJawCD6X83JTKDd16N	379	type	类型	类型	xbim://EntityLabel/0	IfcPipeSegmentType	ZD_H_5F_X_18500	已关闭	已关闭
0TUaJawCD6X83JTKDd16N	379	type	类型	名称	xbim://EntityLabel/0	#378	ZD_H_5F_X_18500	已关闭	已关闭
0TUaJawCD6X83JTKDd16N	379	type	类型	描述	xbim://EntityLabel/0	普通类型-标准	ZD_H_5F_X_18500	已关闭	已关闭
0TUaJawCD6X83JTKDd16N	379	type	类型	指导	xbim://EntityLabel/0	1UQxgFRn7R740odrVLS	ZD_H_5F_X_18500	已关闭	已关闭
0TUaJawCD6X83JTKDd16N	379	type	类型	主源	xbim://EntityLabel/0	Xbim.If2x3.ActorResource.IfPersonAndC	ZD_H_5F_X_18500	已关闭	已关闭
0TUaJawCD6X83JTKDd16N	379	properties	分配可见的元素	参考	xbim://EntityLabel/382	标准	ZD_H_5F_X_18500	已关闭	已关闭
0TUaJawCD6X83JTKDd16N	403	object	常规	名称	xbim://EntityLabel/0	#403	ZD_H_5F_X_18500	已关闭	已关闭
0TUaJawCD6X83JTKDd16N	403	object	常规	类型	xbim://EntityLabel/0	IfcFlowSegment	ZD_H_5F_X_18500	已关闭	已关闭
0TUaJawCD6X83JTKDd16N	403	object	常规	定义类型	xbim://EntityLabel/378	普通类型-标准	ZD_H_5F_X_18500	已关闭	已关闭
0TUaJawCD6X83JTKDd16N	403	object	常规	全局ID	xbim://EntityLabel/0	0TUaJawCD6X83JTKDd16N	ZD_H_5F_X_18500	已关闭	已关闭
0TUaJawCD6X83JTKDd16N	403	object	常规	主历史	xbim://EntityLabel/41	IfcOwnerHistory	ZD_H_5F_X_18500	已关闭	已关闭
0TUaJawCD6X83JTKDd16N	403	object	常规	名称	xbim://EntityLabel/0	普通类型-标准619281	ZD_H_5F_X_18500	已关闭	已关闭

*Column Definitions:

No.	Column Name	Data type	Key	Is Null	Description
1	id	int	Yes	Not	Auto Increment
2	glid	varchar		Yes	Reference ID
3	externalId	varchar		Yes	Space/Room ID, Reference

					model_space.externalId
4	propertyTypeName	varchar		Yes	Property Type
5	propertySetName	varchar		Yes	PropertyType Child
6	propertyname	varchar		Yes	Property Name
8	value	varchar		Yes	Property Content
9	modelName	varchar		Yes	Model file name

Note:

1. The column glid is associated with the table field glid in model_space.
2. The Value of column propertyTypeName is : properties.

model_3dviews (3D views of the Revit model)

*Table Description:

This table stores Revit view-related information for multiple 3D views, as shown in the figure below:

	id	name	modelName	eye	distance	viewDirection	externalIds
1	1	{3D}	house_rvt	70.1459390457248,5.340	88.7272217154674	-0.818790704316	4386919#438
2	2	{三维}	house_rvt3dview4708954	71.0842605021242,38.44	97.999010782198	-0.66608859639	4386922#438

*Column Definitions:

No.	Column Name	Data type	Key	Is Null	Description
1	id	int	Yes	Not	Auto Increment
2	name	varchar		Yes	3D views name
3	modelName	varchar		Yes	Model file name
4	eye	varchar		Yes	Camera Position
5	distance	varchar		Yes	Camera-Model Distance
6	viewDirection	varchar		Yes	Camera Direction
7	externalId	varchar		Yes	A list of element IDs delimited by #

model_schedule (Revit model schedule)

*Table Description:

This table stores information related to Revit model schedules, as shown in the figure below:

	id	name	fileName
1	3	ABBREVIATIONS	498a1ed2-d01a-4f44-b1a7-973a5bcb7b35.csv
2	18	ACCESSIBLE UNIT ANALYSIS	71a9e928-a891-4791-84b1-340fa9ca6010.csv
3	17	BUILDING CODE NOTES	72ea2ea2-4ce3-4850-b84b-dd2eb5686e24.csv
4	29	DEMO PLAN NOTES	7d24f6a4-6c33-4fe5-b301-b1edee662426.csv
5	28	DEMO SITE PLAN NOTES	1df45978-fba8-49bf-85a0-c63404f0b6f0.csv
6	51	DOOR SCHEDULE	5de8c64d-9a59-44d6-bb6c-8f0c4a8160ac.csv
7	52	EGRESS TRAVEL DISTANCE	20a32335-4e9c-46b2-afb2-da90c29b6008.csv
8	37	FINISH PLAN GENERAL NOTES	075929ad-4df0-4d33-af51-a3e59f3fceb.csv
9	7	FLAGNOTES	acfe49e0-67f4-4b73-ba79-8197addf5718.csv
10	35	FLAGNOTES PER SHEET	1c906e90-1730-4742-bb41-ab017d83bc89.csv
11	8	GENERAL PLAN NOTES	1f77dfd4-a2b1-4615-927a-edb12b2dba3a.csv
12	38	INTERIOR APPLIANCE SCHEDULE	29b9a8c7-b610-479d-831c-8b1cf40da1dc.csv
13	24	INTERIOR AV SCHEDULE	21387871-482e-4178-aae4-41d352072808.csv
14	23	INTERIOR BATHROOM ACCESSORIES SCHEDULE	71373432-6ac5-45c7-952c-eee32aff7a18.csv
15	16	INTERIOR FINISH SCHEDULE	0df1a061-484b-46ac-9595-b955e27ffc14.csv
16	40	INTERIOR FURNITURE SCHEDULE	62025ce5-36c2-44b4-bdde-ce04fb2729cf.csv
17	21	INTERIOR HARDWARE/ACCESSORY SCHEDULE	22b07cea-4826-4192-85d1-2f8d8944936d.csv
18	20	INTERIOR LIGHTING SCHEDULE	95e8131f-4179-4d9a-9e88-0b28c7bf0348.csv
19	22	INTERIOR PLUMBING SCHEDULE	4b6a8c6c-239f-474d-81ee-5f70c0857d71.csv
20	50	OCCUPANT LOAD CALCULATIONS	f54e55cc-6dcd-40e8-b597-70cb536c615d.csv
21	15	PARKING SCHEDULE	308ae6f2-5d44-4a8a-8bfc-efffa9838c7a.csv
22	14	RCP NOTES	f0d3cb3c-809e-4ad0-9236-403b56313d00.csv
23	13	ROOF PLAN NOTES	bad464fa-7a6e-4802-83ea-79c12511df2e.csv
24	36	ROOM FINISH SCHEDULE	48c7e198-7404-4685-8202-fcf859b24451.csv
25	1	SHEET INDEX - DOCUMENTATION SET	086371ec-d2fe-4bb5-983c-5f1f837ef0ac.csv
26	43	SIGN SCHEDULE	7ec2f2c6-0782-485e-b413-42236e7eca88.csv
27	25	SITE PLAN NOTES	2f64fe0e-923e-4ec0-91a1-5cc1cc769e72.csv
28	34	Schedule - Notes	7d943e6d-8320-4098-94ed-0018f650da22.csv
29	33	Schedule - z_mm - Working	af4e56a6-dfd2-4eec-92d2-9f107648a9e3.csv
30	32	UNIT BATHROOM ACCESSORIES SCHEDULE	137032ad-3e99-4695-8bfe-be7fb08d1f42.csv
31	26	UNIT DOOR SCHEDULE - UNIT 1.1	5c6a1146-1cbe-4500-94aa-f7c4df30a876.csv
32	12	UNIT ELEVATION NOTES	0f995f58-6d8a-4fdb-8ae2-71a6b5723d7b.csv
33	11	UNIT FINISH NOTES	aa7871a9-a571-4530-bd62-d26c12e8adb1.csv

*Column Definitions:

No.	Column Name	Data type	Key	Is Null	Description
1	id	int	Yes	Not	Auto Increment
2	name	varchar		Yes	Schedule Name
3	fileName	varchar		Yes	Output .CSV file Name