



Zaha Hadid
Architects

SKY
PARK

PENTA

GFI®

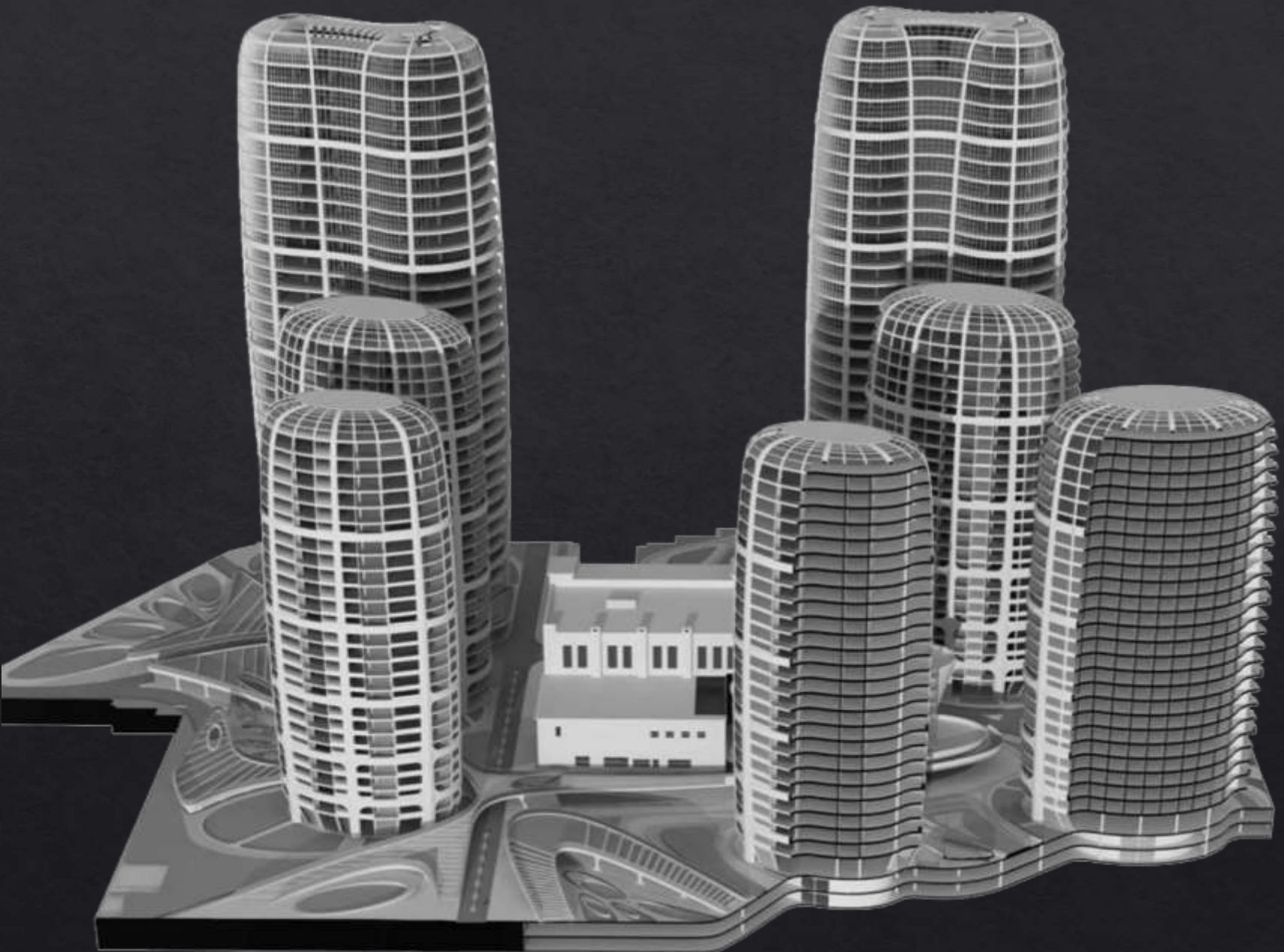
ARCHITECTURE • DESIGN

VÍŤAZNÝ
SÚŤAŽNÝ
NÁVRH

**ZAHA HADID
ARCHITECTS** **BRATISLAVA**
NEW CITY CENTRE
PENTA INVESTMENTS



Zaha Hadid Architects



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3. PROJEKT

ČUP nadzemné časti 74.430 m²

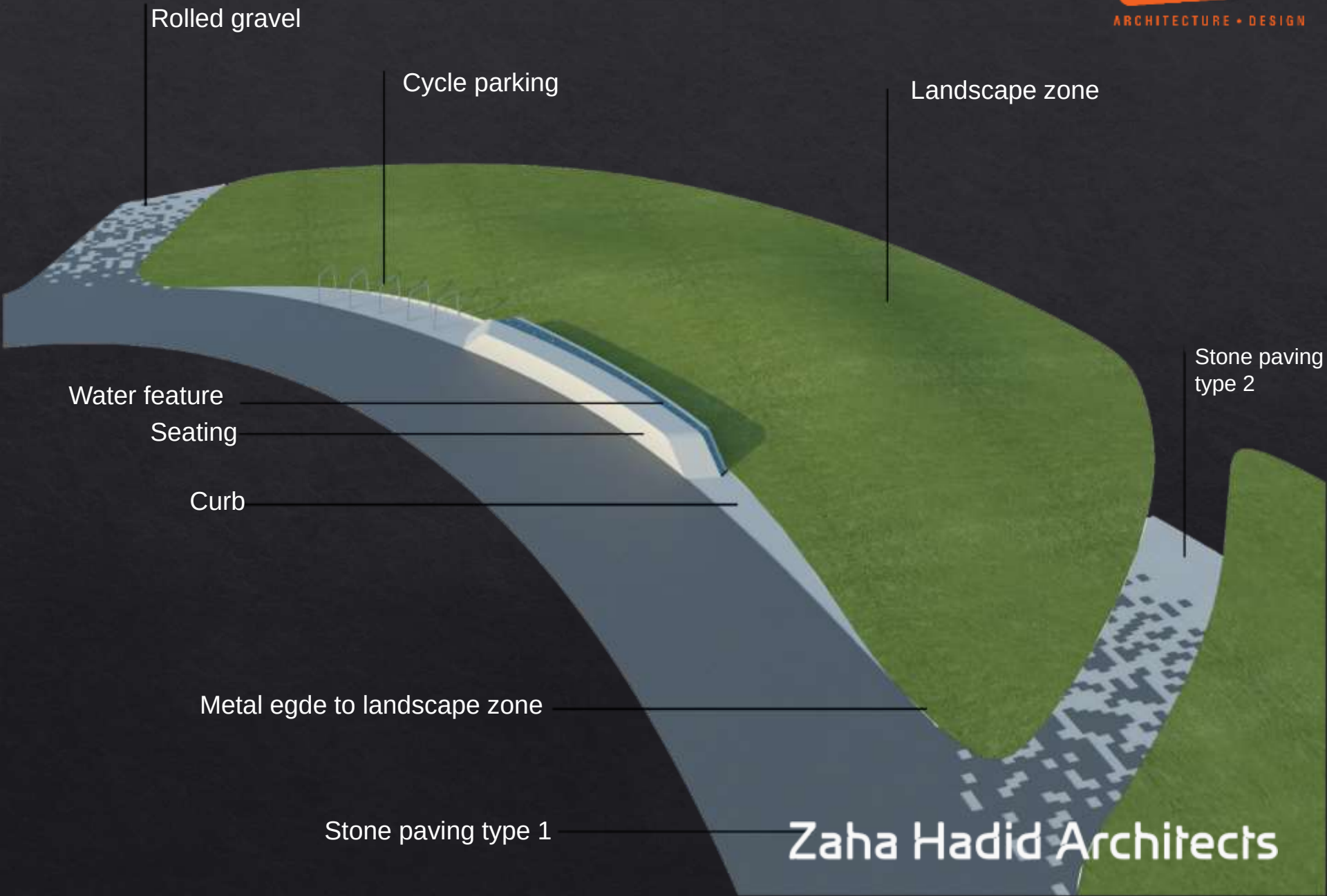
ČUP podzemné časti 36.067 m²

Spolu 109.500 m²

Počet bytov 786

Počet PM 1086

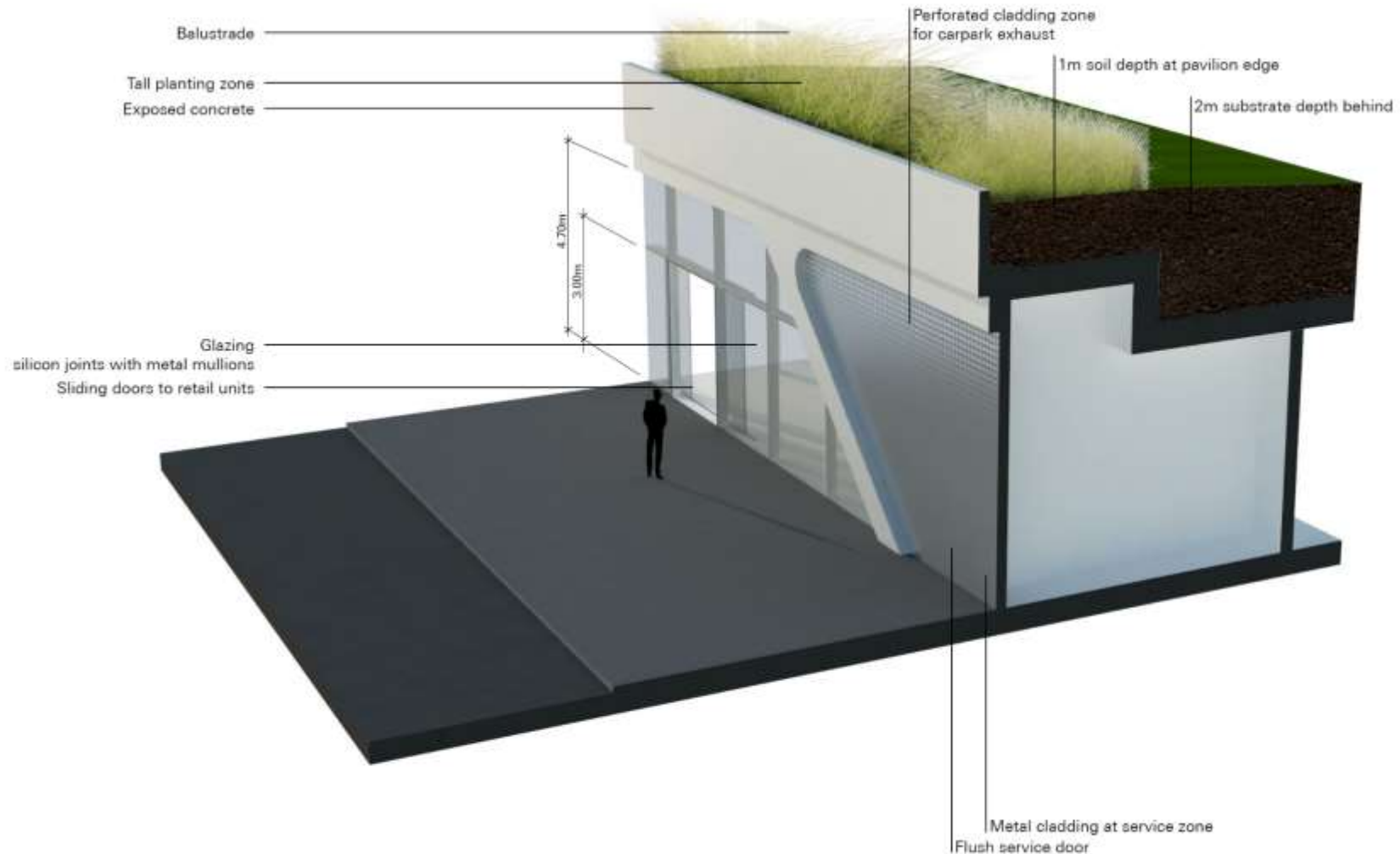
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03.4 Facade design principles

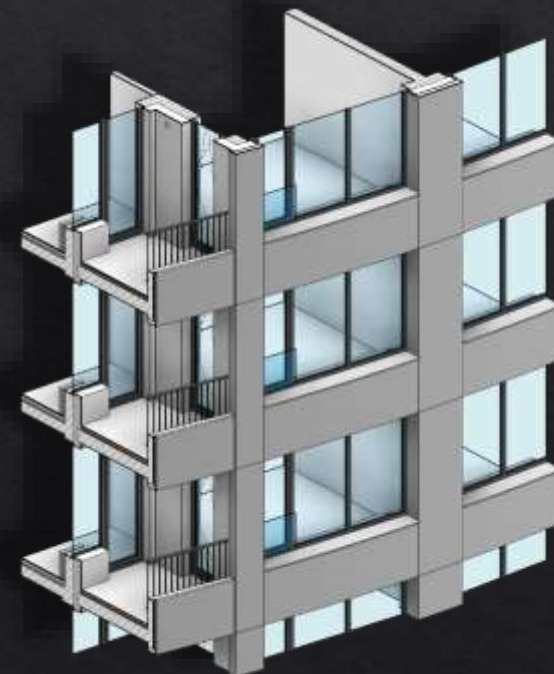
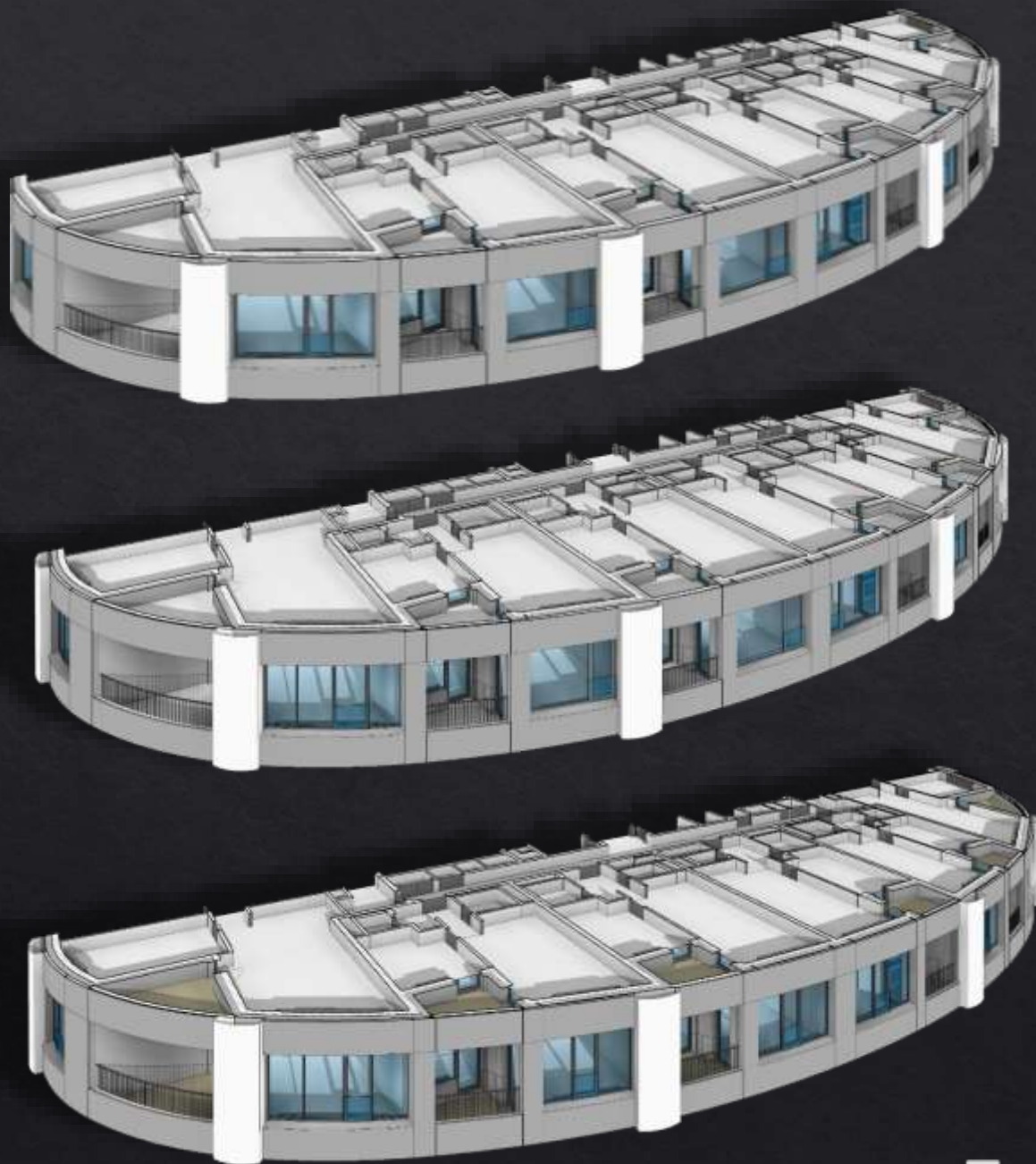
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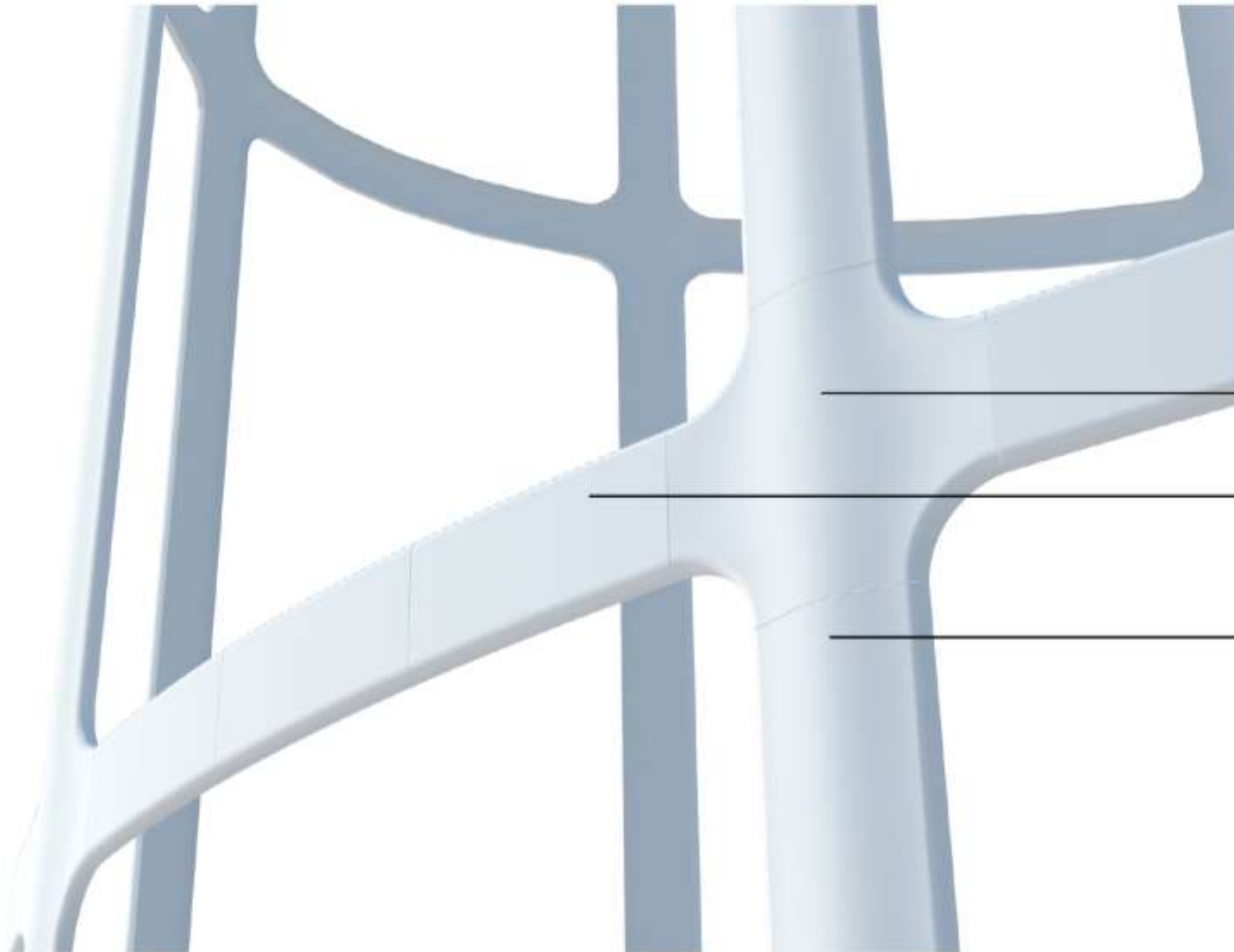


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SPRACOVANIE ALTERNATÍV FASÁDY



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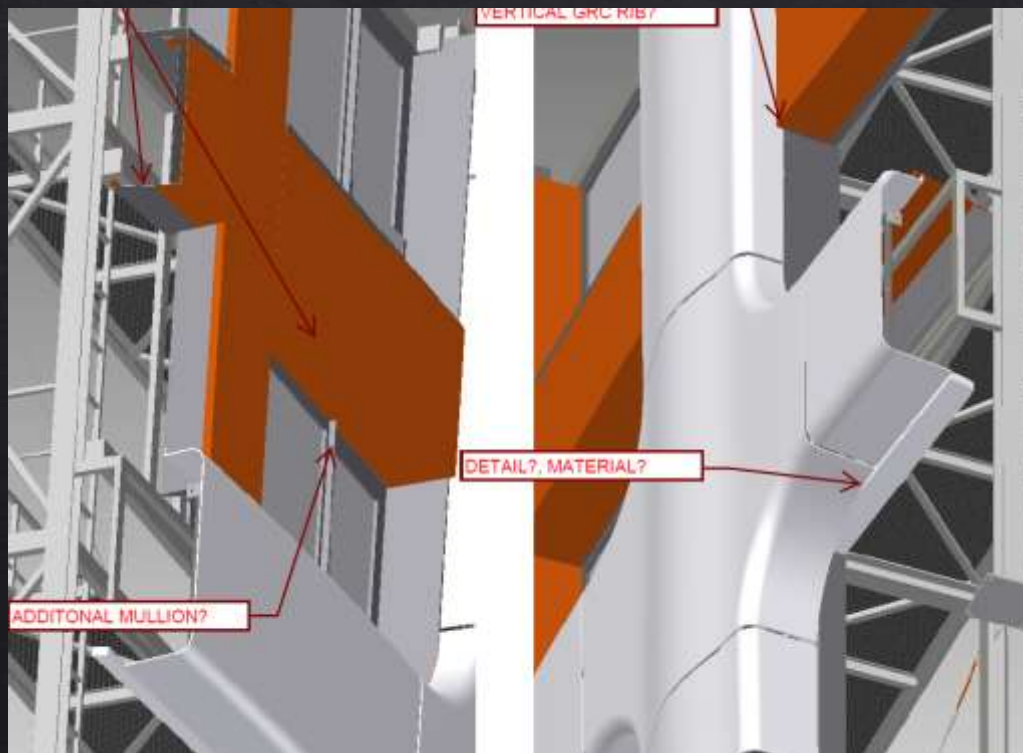
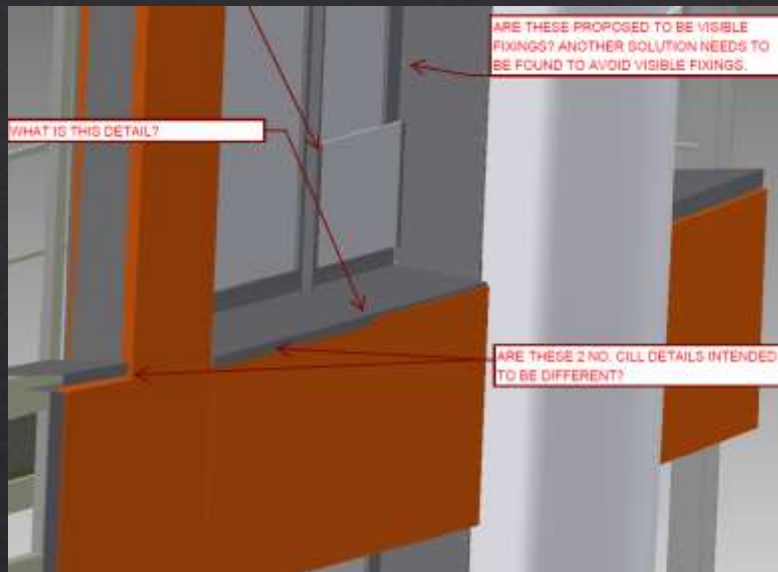
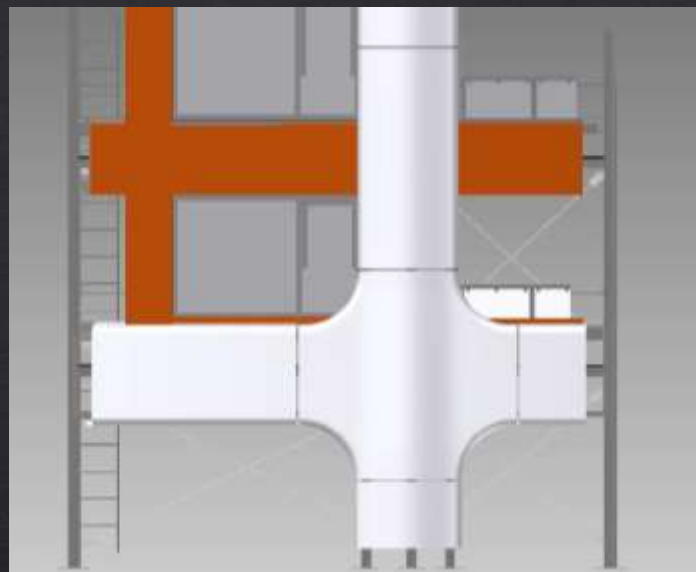


Exoskeleton node

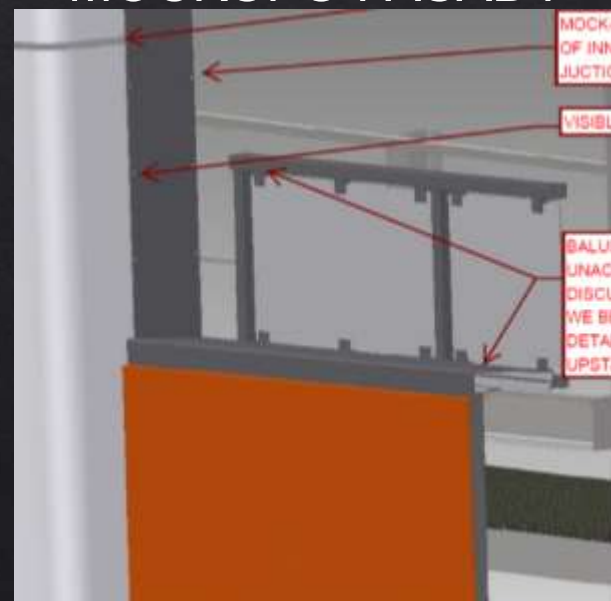
Horizontal member

Expressed vertical member

Node detail



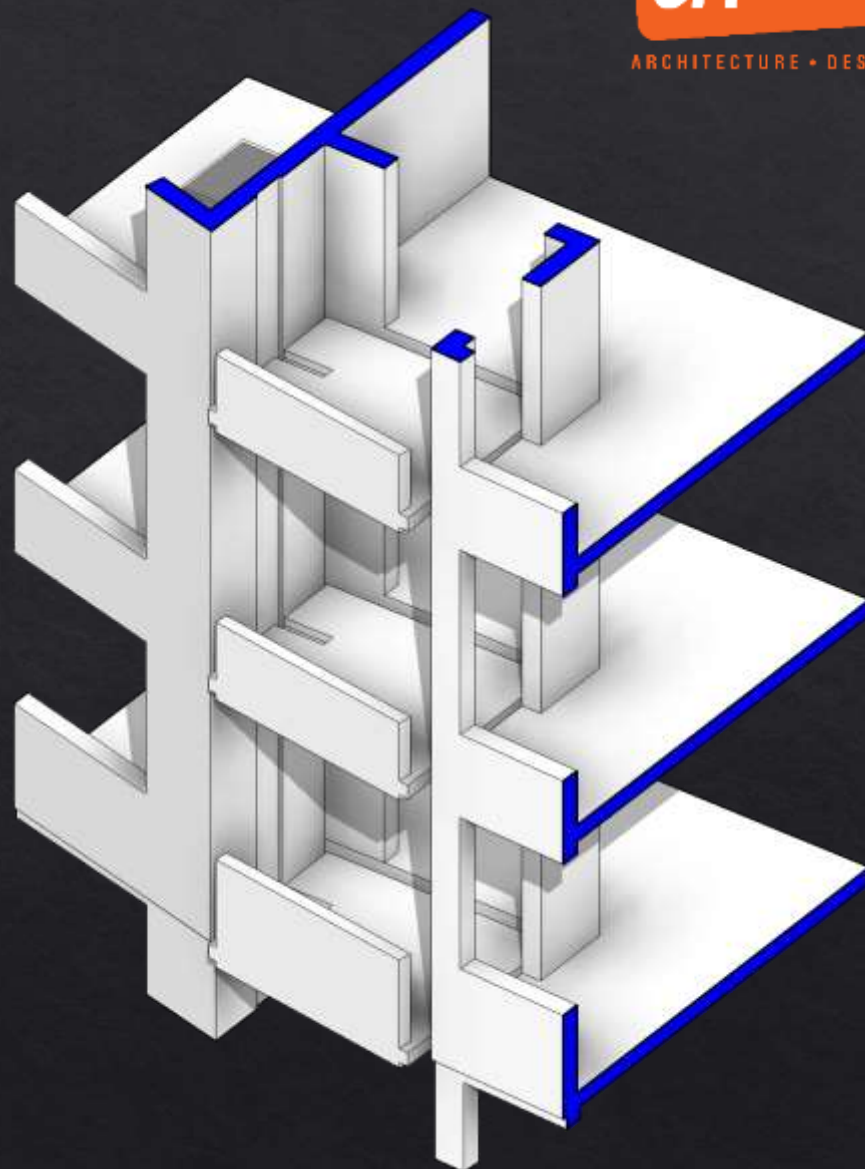
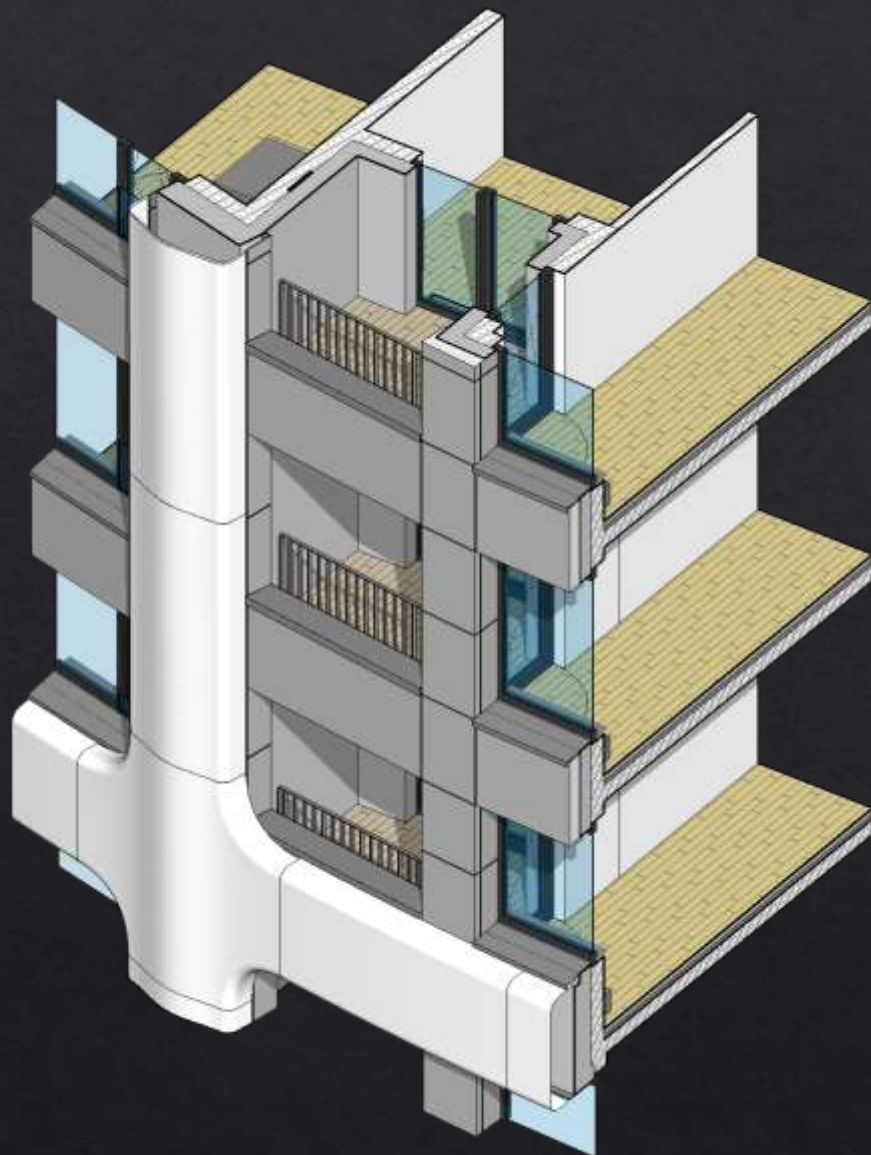
PRIPOMIENKOVANIE MOCKUPU FASÁDY



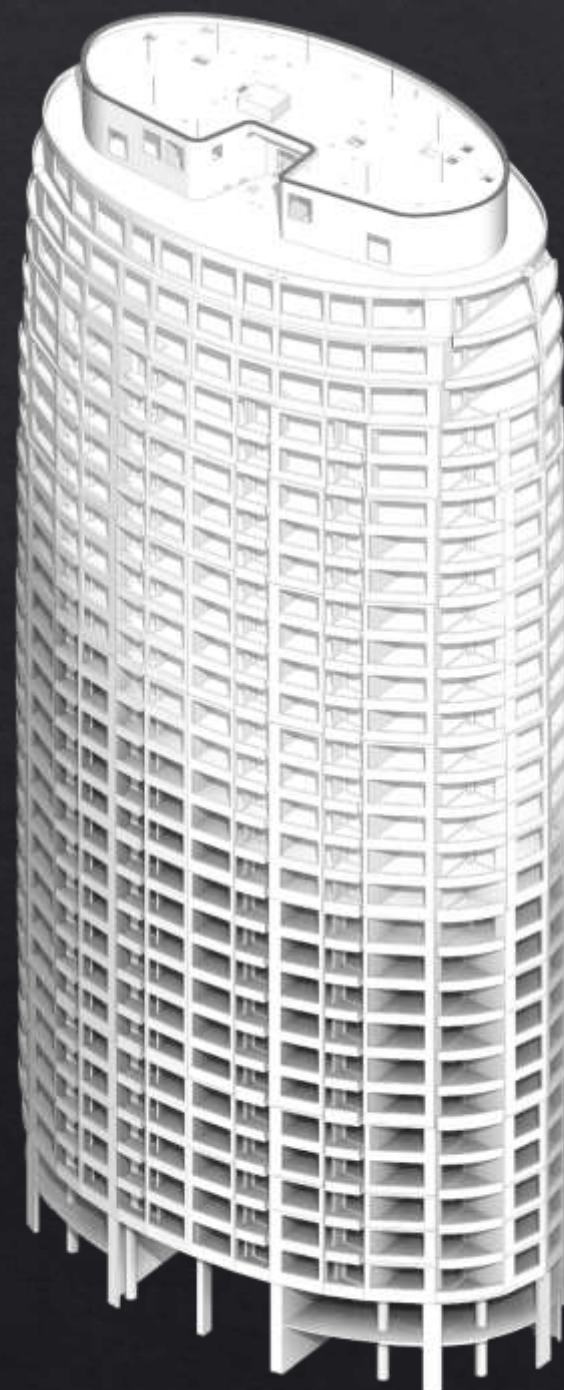
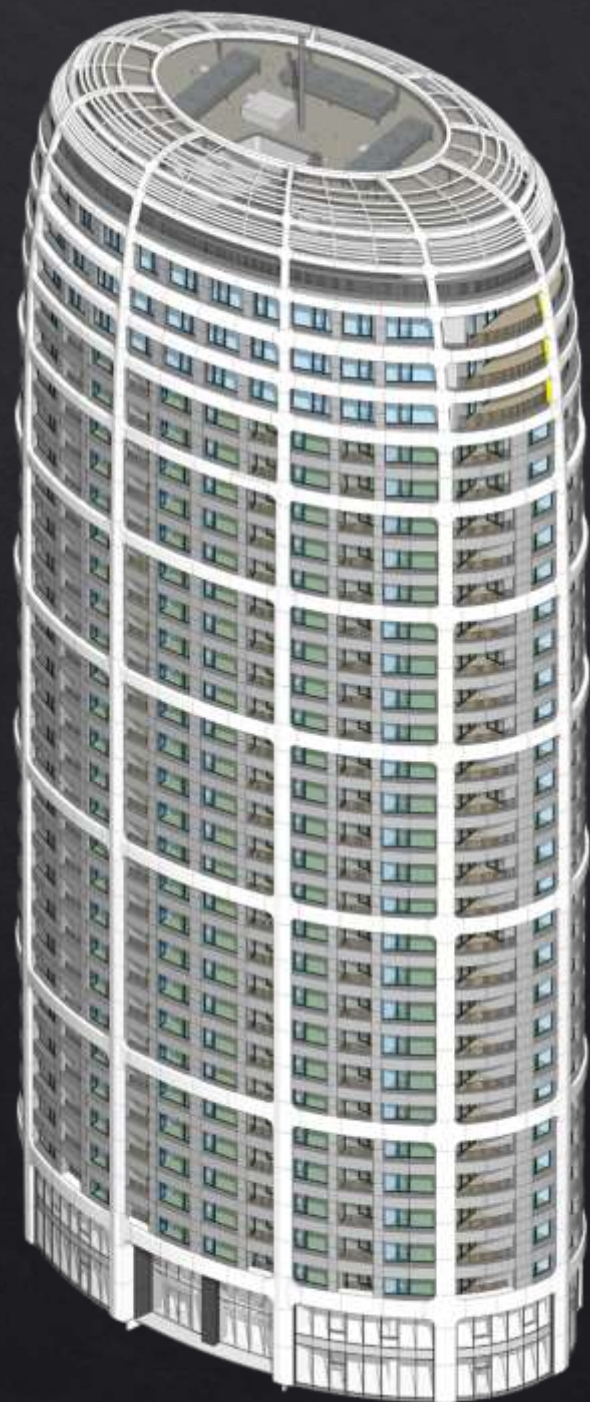
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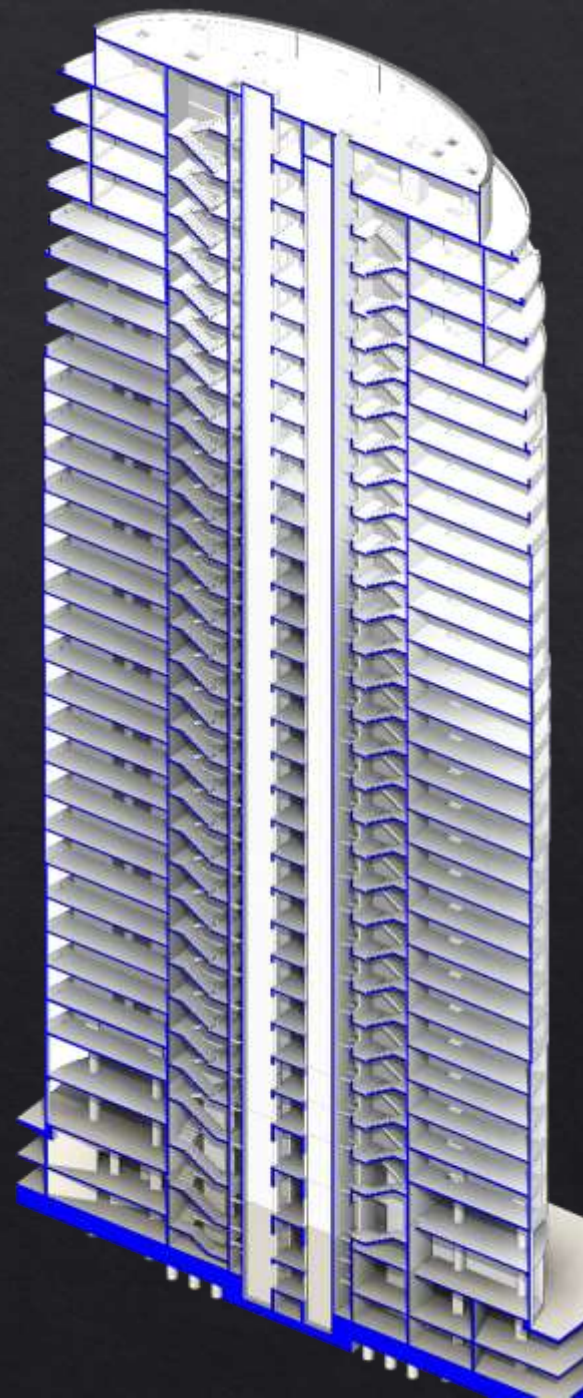


SPOLUPRÁCA SO STATIKMI NA BÁZE JEDNÉHO MODELU V REVITE



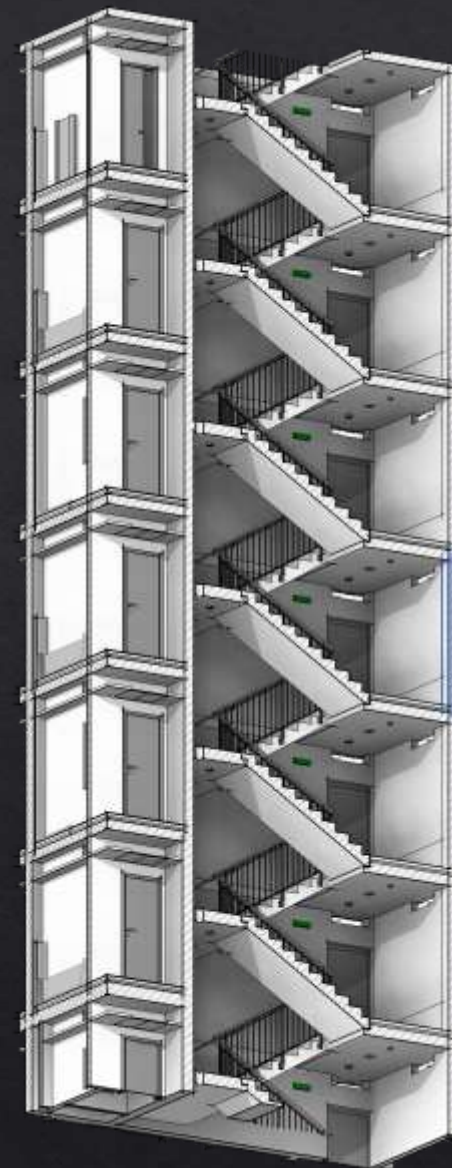
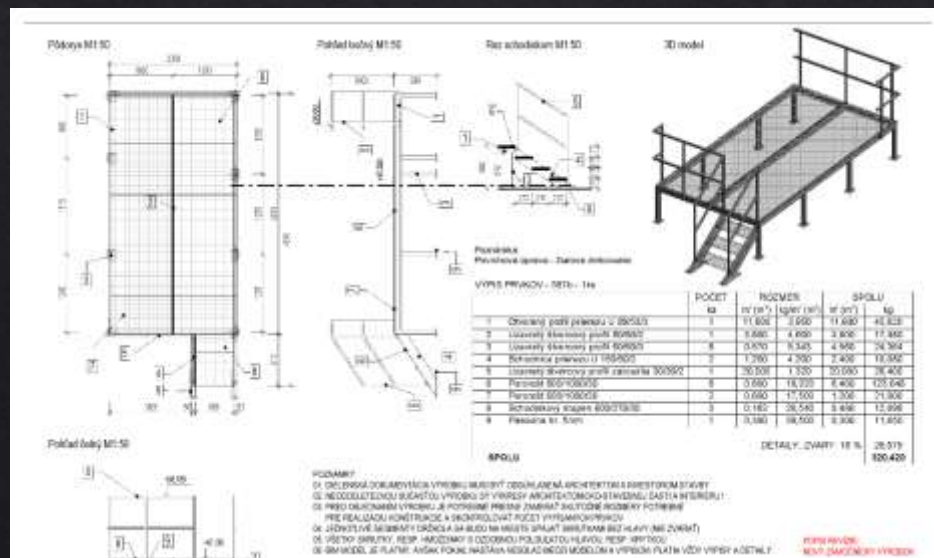
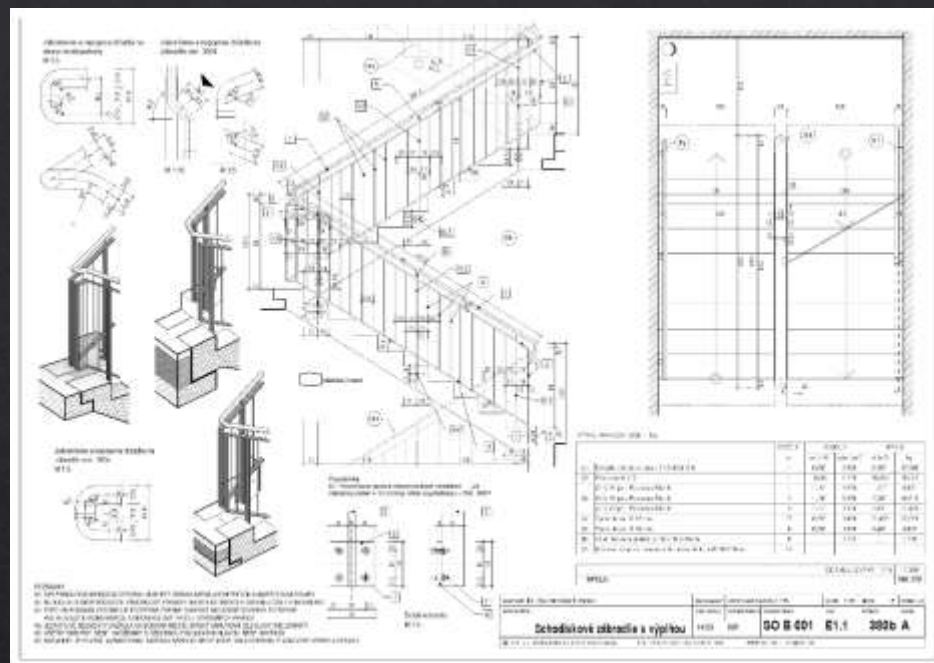
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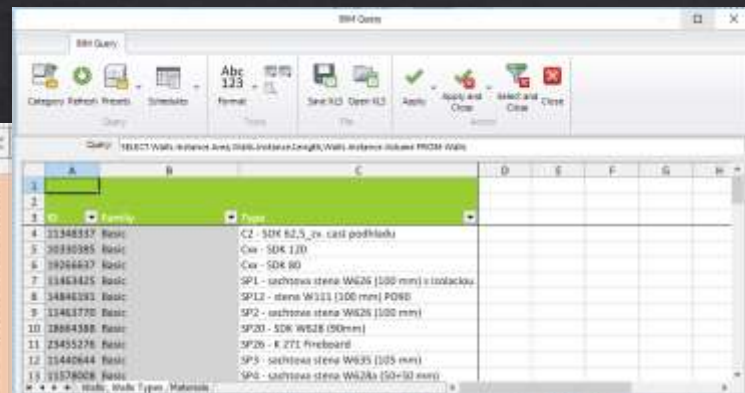
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Window Area Table 1 (Left)			
Window ID	Area (m²)	Count	Total Area (m²)
1000x1500	1.50	10	15.00
1000x1200	1.20	10	12.00
1000x900	0.90	10	9.00
1000x600	0.60	10	6.00
1000x300	0.30	10	3.00
1000x150	0.15	10	1.50
1000x75	0.075	10	0.75
1000x37.5	0.0375	10	0.375
1000x18.75	0.01875	10	0.1875
1000x9.375	0.009375	10	0.09375
1000x4.6875	0.0046875	10	0.046875
1000x2.34375	0.00234375	10	0.0234375
1000x1.171875	0.001171875	10	0.01171875
1000x0.5859375	0.0005859375	10	0.005859375
1000x0.29296875	0.00029296875	10	0.0029296875
1000x0.146484375	0.000146484375	10	0.00146484375
1000x0.0732421875	0.0000732421875	10	0.000732421875
1000x0.03662109375	0.00003662109375	10	0.0003662109375
1000x0.018310546875	0.000018310546875	10	0.00018310546875
1000x0.0091552734375	0.0000091552734375	10	0.000091552734375
1000x0.00457763671875	0.00000457763671875	10	0.0000457763671875
1000x0.002288818359375	0.000002288818359375	10	0.00002288818359375
1000x0.0011444091796875	0.0000011444091796875	10	0.000011444091796875
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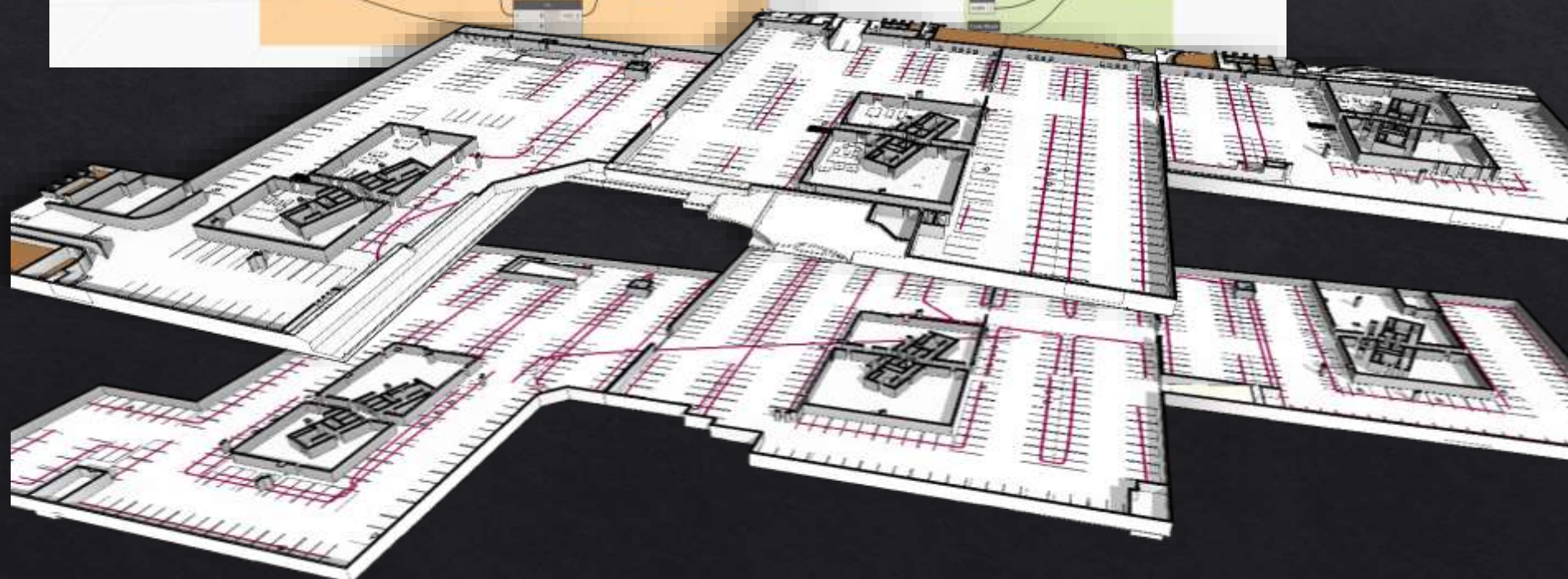
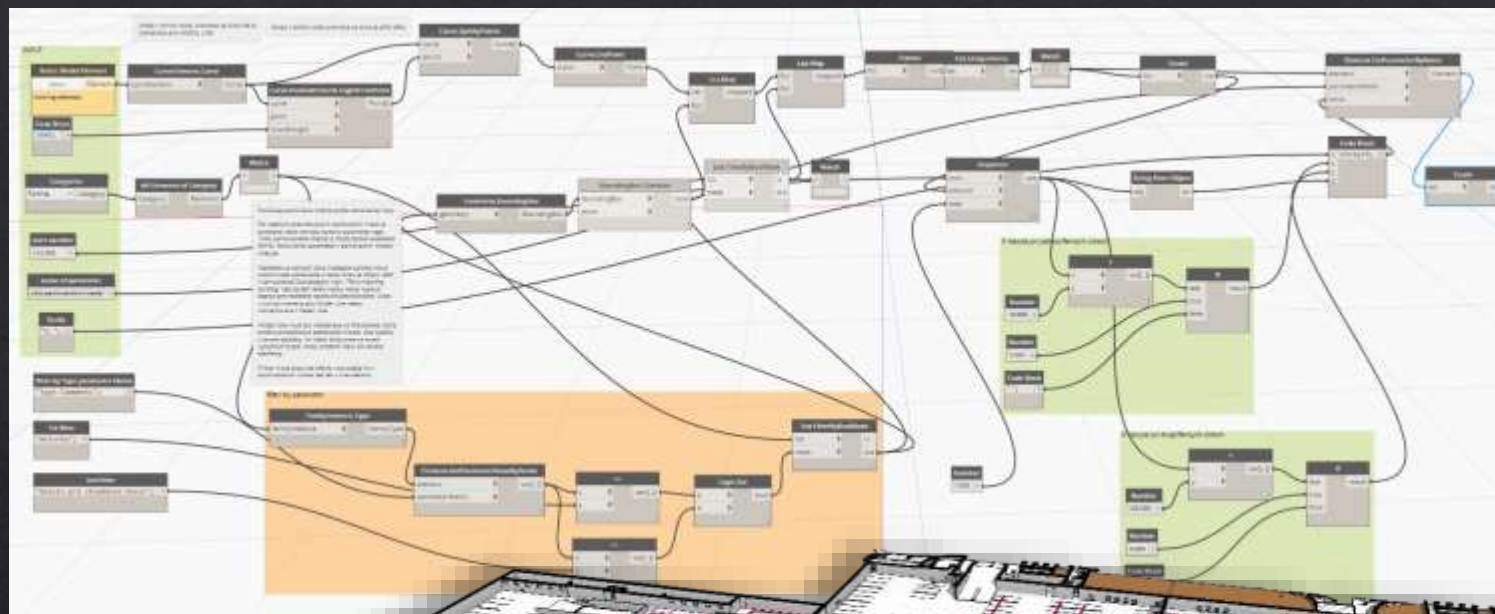
[illegible]

VEZEA A	23.2percento (30.8%)	q 210	230	3.37	6.91	0.4	22	361.040	=	12.39	
	23.2percento (29.8%)	q 210	230	3.36	6.28	0.4	23	363.040	=	0.08	
	23.2percento (24.8%)	q 210	230	3.38	5.99	0.4	22	363.040	=	20.70	
	2.2percento (2.7%)	q 200	230			0.0	22	363.040	170.10	170.10	990
	Prisioara (1.8%)	q 2000	230			0.4	23	363.040	210.10	220.10	990
					5.41	88.80	17.11		382.18	411.14	990
					3.58	30.30	20.88		401.57	495.02	990

Veza B	Vrednote	Tipa stropa (mm)	Projekt vrednotenje (kg/m ²)	Izpolnjevanje izračunsko (kg/m ²)	Izpolnjevanje merjeno (t)	Čistotnost	Maks. vertikalna osena	Trdnost projekcijske	Ploščna vrednotenje (N/mm ²)	Ploščna odnosna (N/m ²)	Vrednote povprečno izračunsko - po EN 1992-1-1
				C90/10		C90/10					
	18,3-procentna (18,3 MPa)	4 250	250	1,27	0,32	0,4	22	821 MPa	-	12,38	
	18,3-procentna (18,3 MPa)	4 250	1,30	0,32	0,4	22	821 MPa	-	70,00		
	17,3-procentna (17,3 MPa)	4 250	1,29	0,32	0,4	22	821 MPa	-	107,00		
	3-procentna (17,3 MPa)	4 900	330	38,72	17,00	0,4	23	821 MPa	373,3	17,00	998
		4 900	330	38,72	17,00	0,4	23	821 MPa	373,3	17,00	998

Podatki	Tupošina (mm)	Izračun vrednotenje (kg/m ²)	Ogledni izločevalniki (m ²)		Hromatni spojila (t)	Čistota	Max. veličina zrna	Težina postrežila	Povprečna povprečnost delovanja (m ²)	Povprečna delovna daljina (m ²)	Težina povprečnosti delovanja - povprečje TP (kg/m ²)
			CM/71	TP/71							
19 postrežilo (10,0M)	0,000	290	1,27	0,00	0,00	0,0	22	9(1,00)	-	10,00	
9 postrežilo (0,0M)	0,000	290	1,27	0,00	0,00	0,0	22	9(1,00)	-	10,00	

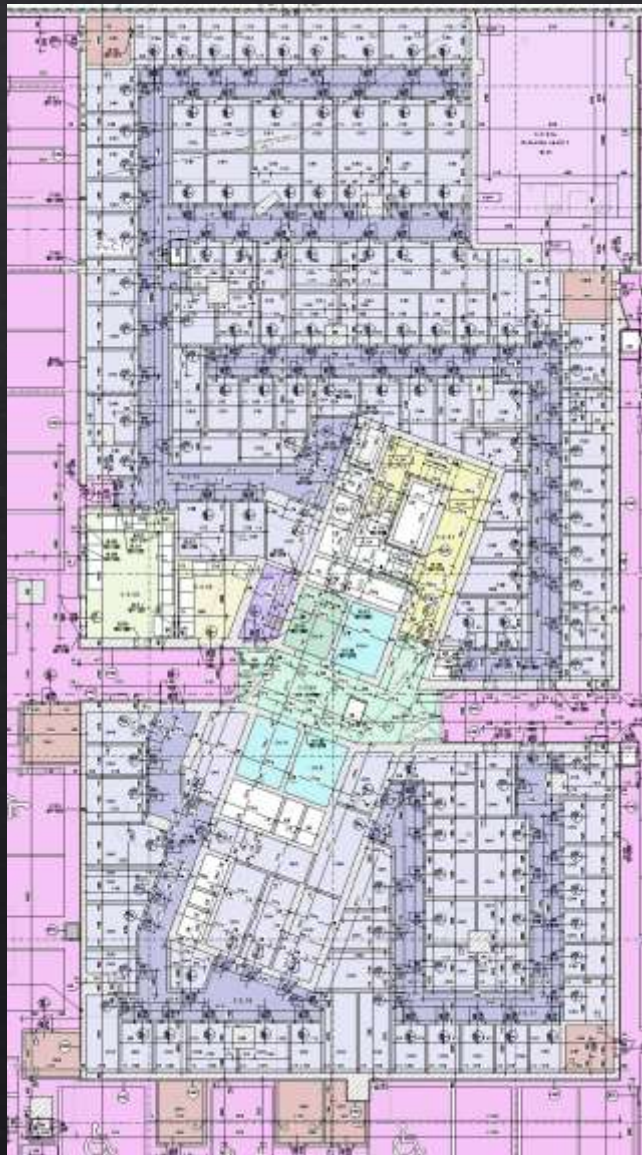
PREPOJENIE DATABÁZ REVITU S EXCELOM CEZ KOBI TOOLKIT



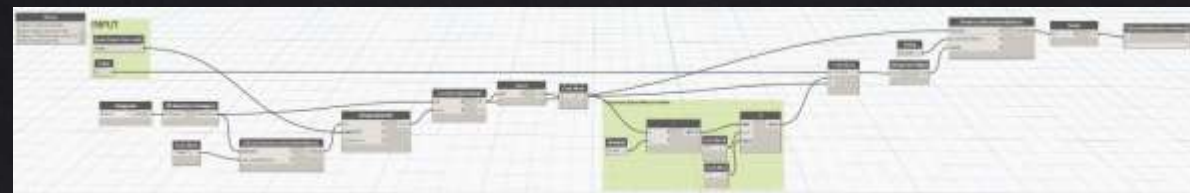
1086 Parkovacích miest
Číslovanie podľa – poschodia, SO, etapy, účelu – cez Dynamo/Revit

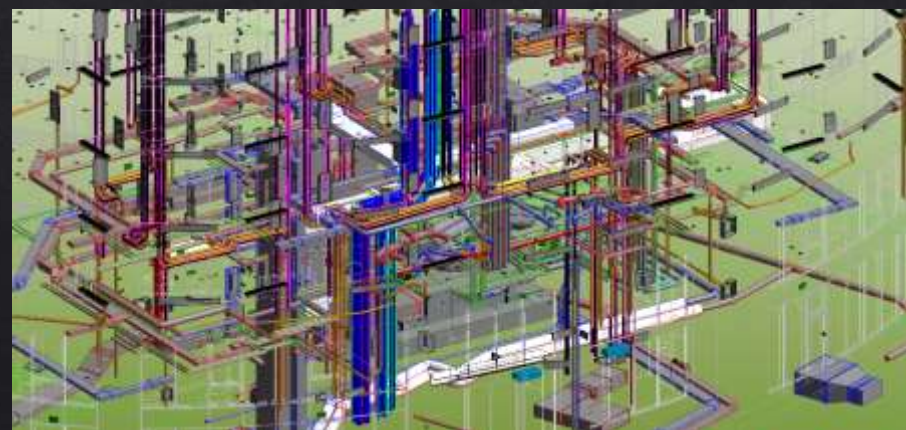
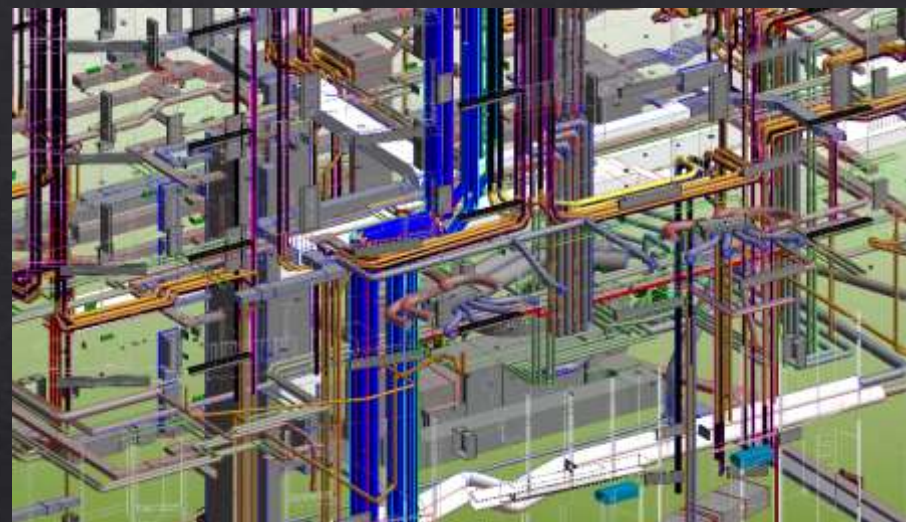
8192 miestností (objekt Room)

Číslovanie podľa – poschodia, SO, druhu, bytu – Dynamo/Revit



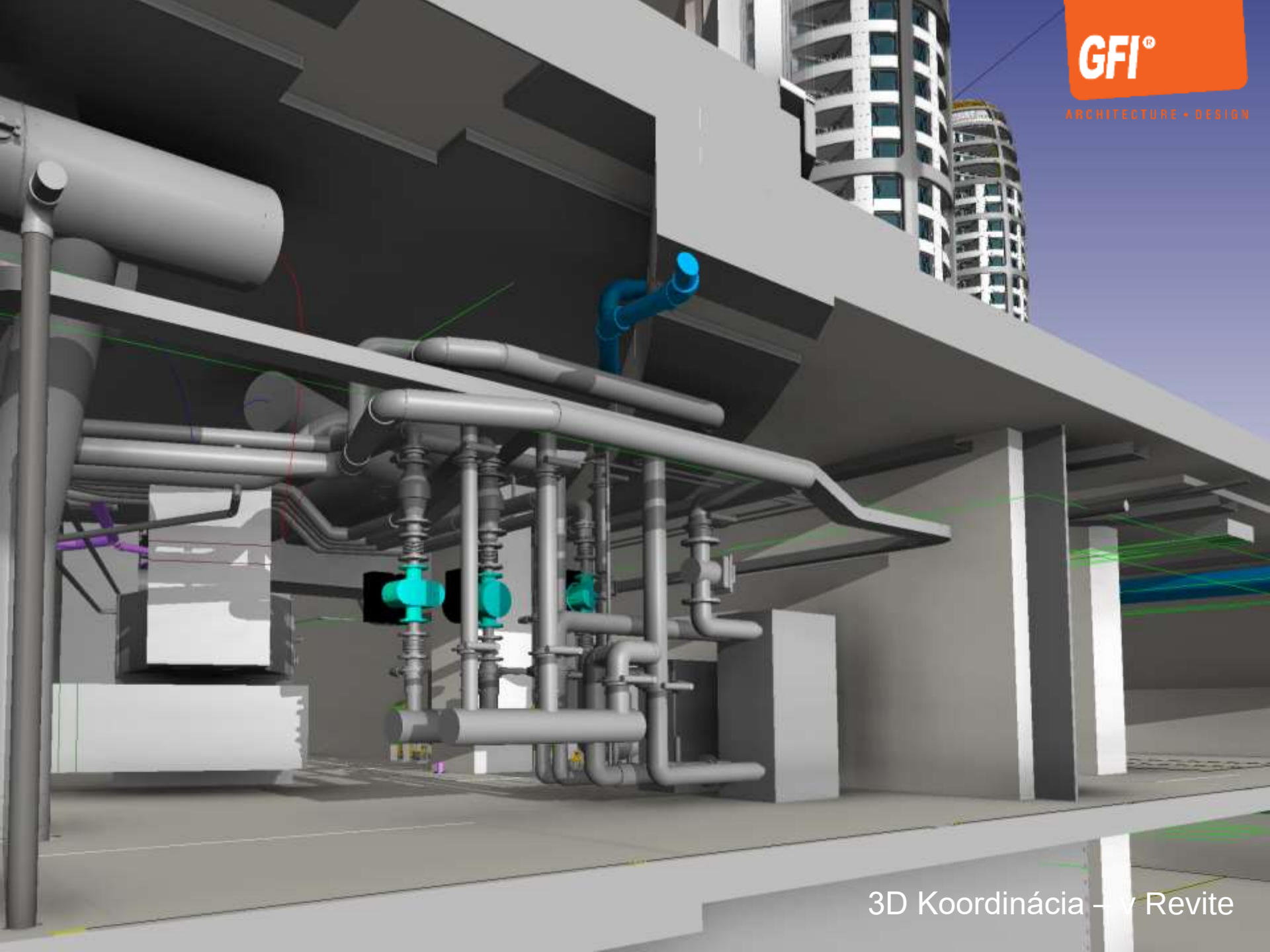
SO A 002 - Legenda miestnosti - Pôdorys 1.PP časť 1							
ID	Název	Miesto	Číslo podlažia	Podlažia	Miestnosť		
					Číslo čísla	Název	Číslo čísla
0001	Koridor	1.1.1.1	001	Pracovňa	001	Pracovňa	001
0002	Koridor	1.1.1.2	001	Pracovňa	002	Pracovňa	002
0003	Koridor	1.1.1.3	001	Pracovňa	003	Pracovňa	003
0004	Koridor	1.1.1.4	001	Pracovňa	004	Pracovňa	004
0005	Koridor	1.1.1.5	001	Pracovňa	005	Pracovňa	005
0006	Koridor	1.1.1.6	001	Pracovňa	006	Pracovňa	006
0007	Koridor	1.1.1.7	001	Pracovňa	007	Pracovňa	007
0008	Koridor	1.1.1.8	001	Pracovňa	008	Pracovňa	008
0009	Koridor	1.1.1.9	001	Pracovňa	009	Pracovňa	009
0010	Koridor	1.1.1.10	001	Pracovňa	010	Pracovňa	010
0011	Koridor	1.1.1.11	001	Pracovňa	011	Pracovňa	011
0012	Koridor	1.1.1.12	001	Pracovňa	012	Pracovňa	012
0013	Koridor	1.1.1.13	001	Pracovňa	013	Pracovňa	013
0014	Koridor	1.1.1.14	001	Pracovňa	014	Pracovňa	014
0015	Koridor	1.1.1.15	001	Pracovňa	015	Pracovňa	015
0016	Koridor	1.1.1.16	001	Pracovňa	016	Pracovňa	016
0017	Koridor	1.1.1.17	001	Pracovňa	017	Pracovňa	017
0018	Koridor	1.1.1.18	001	Pracovňa	018	Pracovňa	018
0019	Koridor	1.1.1.19	001	Pracovňa	019	Pracovňa	019
0020	Koridor	1.1.1.20	001	Pracovňa	020	Pracovňa	020
0021	Koridor	1.1.1.21	001	Pracovňa	021	Pracovňa	021
0022	Koridor	1.1.1.22	001	Pracovňa	022	Pracovňa	022
0023	Koridor	1.1.1.23	001	Pracovňa	023	Pracovňa	023
0024	Koridor	1.1.1.24	001	Pracovňa	024	Pracovňa	024
0025	Koridor	1.1.1.25	001	Pracovňa	025	Pracovňa	025
0026	Koridor	1.1.1.26	001	Pracovňa	026	Pracovňa	026
0027	Koridor	1.1.1.27	001	Pracovňa	027	Pracovňa	027
0028	Koridor	1.1.1.28	001	Pracovňa	028	Pracovňa	028
0029	Koridor	1.1.1.29	001	Pracovňa	029	Pracovňa	029
0030	Koridor	1.1.1.30	001	Pracovňa	030	Pracovňa	030
0031	Koridor	1.1.1.31	001	Pracovňa	031	Pracovňa	031
0032	Koridor	1.1.1.32	001	Pracovňa	032	Pracovňa	032
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0035	Koridor	1.1.1.35	001	Pracovňa	035	Pracovňa	035
0036	Koridor	1.1.1.36	001	Pracovňa	036	Pracovňa	036
0037	Koridor	1.1.1.37	001	Pracovňa	037	Pracovňa	037
0038	Koridor	1.1.1.38	001	Pracovňa	038	Pracovňa	038
0039	Koridor	1.1.1.39	001	Pracovňa	039	Pracovňa	039
0040	Koridor	1.1.1.40	001	Pracovňa	040	Pracovňa	040
0041	Koridor	1.1.1.41	001	Pracovňa	041	Pracovňa	041
0042	Koridor	1.1.1.42	001	Pracovňa	042	Pracovňa	042
0043	Koridor	1.1.1.43	001	Pracovňa	043	Pracovňa	043
0044	Koridor	1.1.1.44	001	Pracovňa	044	Pracovňa	044
0045	Koridor	1.1.1.45	001	Pracovňa	045	Pracovňa	045
0046	Koridor	1.1.1.46	001	Pracovňa	046	Pracovňa	046
0047	Koridor	1.1.1.47	001	Pracovňa	047	Pracovňa	047
0048	Koridor	1.1.1.48	001	Pracovňa	048	Pracovňa	048
0049	Koridor	1.1.1.49	001	Pracovňa	049	Pracovňa	049
0050	Koridor	1.1.1.50	001	Pracovňa	050	Pracovňa	050
0051	Koridor	1.1.1.51	001	Pracovňa	051	Pracovňa	051
0052	Koridor	1.1.1.52	001	Pracovňa	052	Pracovňa	052
0053	Koridor	1.1.1.53	001	Pracovňa	053	Pracovňa	053
0054	Koridor	1.1.1.54	001	Pracovňa	054	Pracovňa	054
0055	Koridor	1.1.1.55	001	Pracovňa	055	Pracovňa	055
0056	Koridor	1.1.1.56	001	Pracovňa	056	Pracovňa	056
0057	Koridor	1.1.1.57	001	Pracovňa	057	Pracovňa	057
0058	Koridor	1.1.1.58	001	Pracovňa	058	Pracovňa	058
0059	Koridor	1.1.1.59	001	Pracovňa	059	Pracovňa	059
0060	Koridor	1.1.1.60	001	Pracovňa	060	Pracovňa	060
0061	Koridor	1.1.1.61	001	Pracovňa	061	Pracovňa	061
0062	Koridor	1.1.1.62	001	Pracovňa	062	Pracovňa	062
0063	Koridor	1.1.1.63	001	Pracovňa	063	Pracovňa	063
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0066	Koridor	1.1.1.66	001	Pracovňa	066	Pracovňa	066
0067	Koridor	1.1.1.67	001	Pracovňa	067	Pracovňa	067
0068	Koridor	1.1.1.68	001	Pracovňa	068	Pracovňa	068
0069	Koridor	1.1.1.69	001	Pracovňa	069	Pracovňa	069
0070	Koridor	1.1.1.70	001	Pracovňa	070	Pracovňa	070
0071	Koridor	1.1.1.71	001	Pracovňa	071	Pracovňa	071
0072	Koridor	1.1.1.72	001	Pracovňa	072	Pracovňa	072
0073	Koridor	1.1.1.73	001	Pracovňa	073	Pracovňa	073
0074	Koridor	1.1.1.74	001	Pracovňa	074	Pracovňa	074
0075	Koridor	1.1.1.75	001	Pracovňa	075	Pracovňa	075
0076	Koridor	1.1.1.76	001	Pracovňa	076	Pracovňa	076
0077	Koridor	1.1.1.77	001	Pracovňa	077	Pracovňa	077
0078	Koridor	1.1.1.78	001	Pracovňa	078	Pracovňa	078
0079	Koridor	1.1.1.79	001	Pracovňa	079	Pracovňa	079
0080	Koridor	1.1.1.80	001	Pracovňa	080	Pracovňa	080
0081	Koridor	1.1.1.81	001	Pracovňa	081	Pracovňa	081
0082	Koridor	1.1.1.82	001	Pracovňa	082	Pracovňa	082
0083	Koridor	1.1.1.83	001	Pracovňa	083	Pracovňa	083
0084	Koridor	1.1.1.84	001	Pracovňa	084	Pracovňa	084
0085	Koridor	1.1.1.85	001	Pracovňa	085	Pracovňa	085
0086	Koridor	1.1.1.86	001	Pracovňa	086	Pracovňa	086
0087	Koridor	1.1.1.87	001	Pracovňa	087	Pracovňa	087
0088	Koridor	1.1.1.88	001	Pracovňa	088	Pracovňa	088
0089	Koridor	1.1.1.89	001	Pracovňa	089	Pracovňa	089
0090	Koridor	1.1.1.90	001	Pracovňa	090	Pracovňa	090
0091	Koridor	1.1.1.91	001	Pracovňa	091	Pracovňa	091
0092	Koridor	1.1.1.92	001	Pracovňa	092	Pracovňa	092
0093	Koridor	1.1.1.93	001	Pracovňa	093	Pracovňa	093
0094	Koridor	1.1.1.94	001	Pracovňa	094	Pracovňa	094
0095	Koridor	1.1.1.95	001	Pracovňa	095	Pracovňa	095
0096	Koridor	1.1.1.96	001	Pracovňa	096	Pracovňa	096
0097	Koridor	1.1.1.97	001	Pracovňa	097	Pracovňa	097
0098	Koridor	1.1.1.98	001	Pracovňa	098	Pracovňa	098
0099	Koridor	1.1.1.99	001	Pracovňa	099	Pracovňa	099
0100	Koridor	1.1.1.100	001	Pracovňa	100	Pracovňa	100

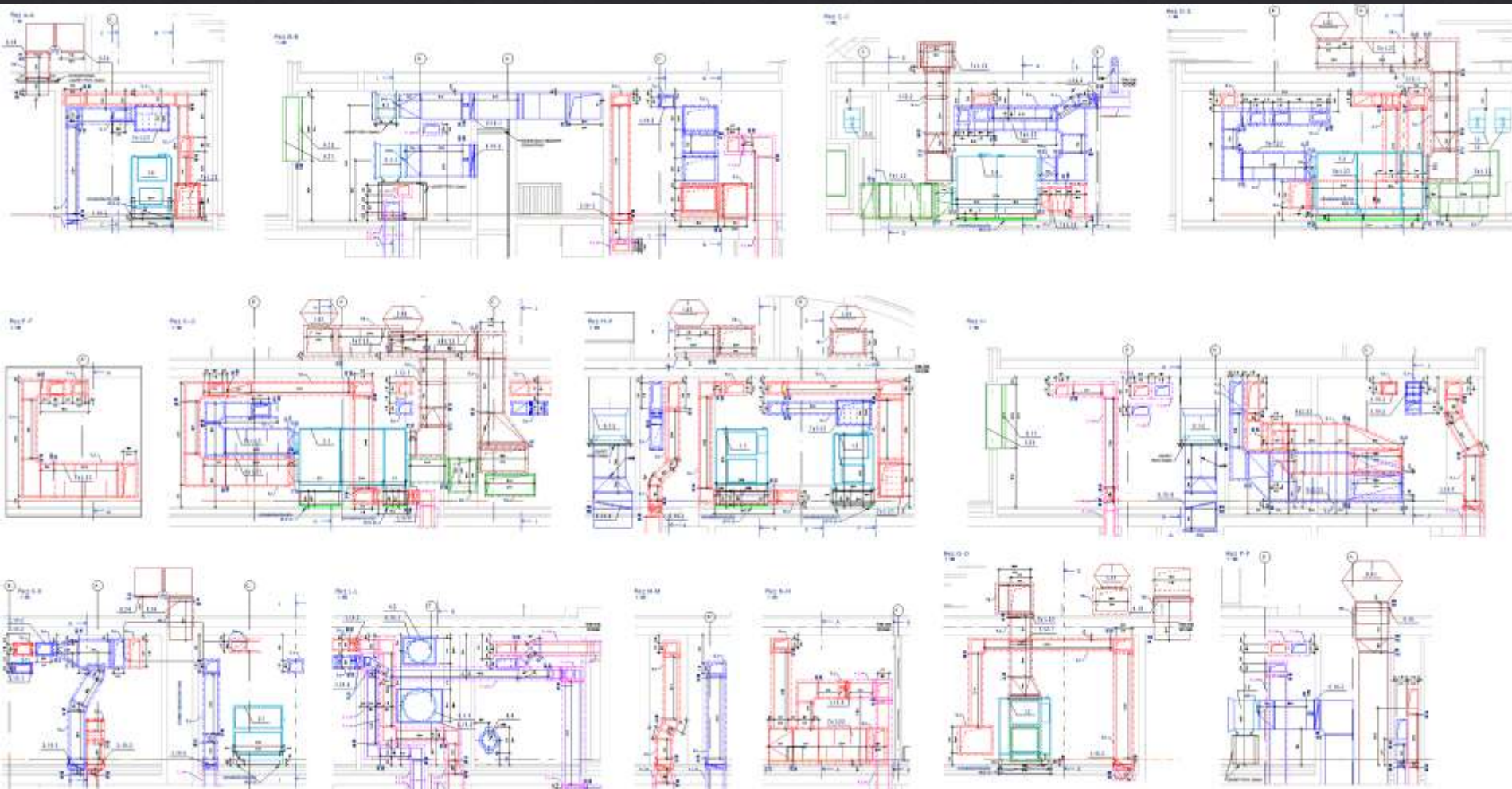




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An architectural rendering of a modern building complex at sunset. On the left is a tall, curved, multi-story building with a grid of windows and balconies. To the right is a shorter, dark brick building with large, multi-paned windows. In the foreground, there is a landscaped area with trees, a paved walkway, and a water feature with several small fountains. The sky is a warm orange color from the setting sun, which is visible as a bright glow between the buildings. The overall scene is a high-quality digital illustration.

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