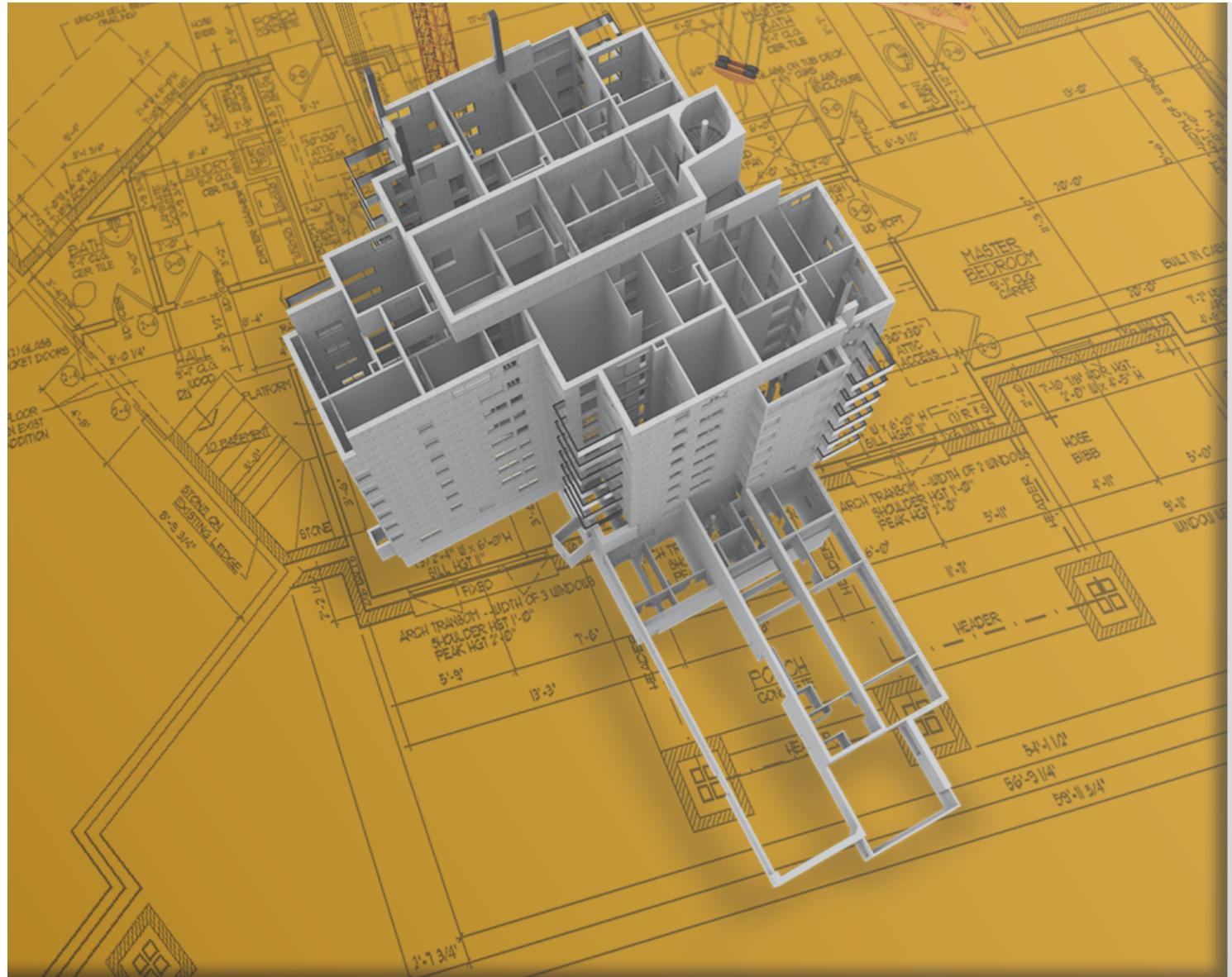


Portfolio 2K20



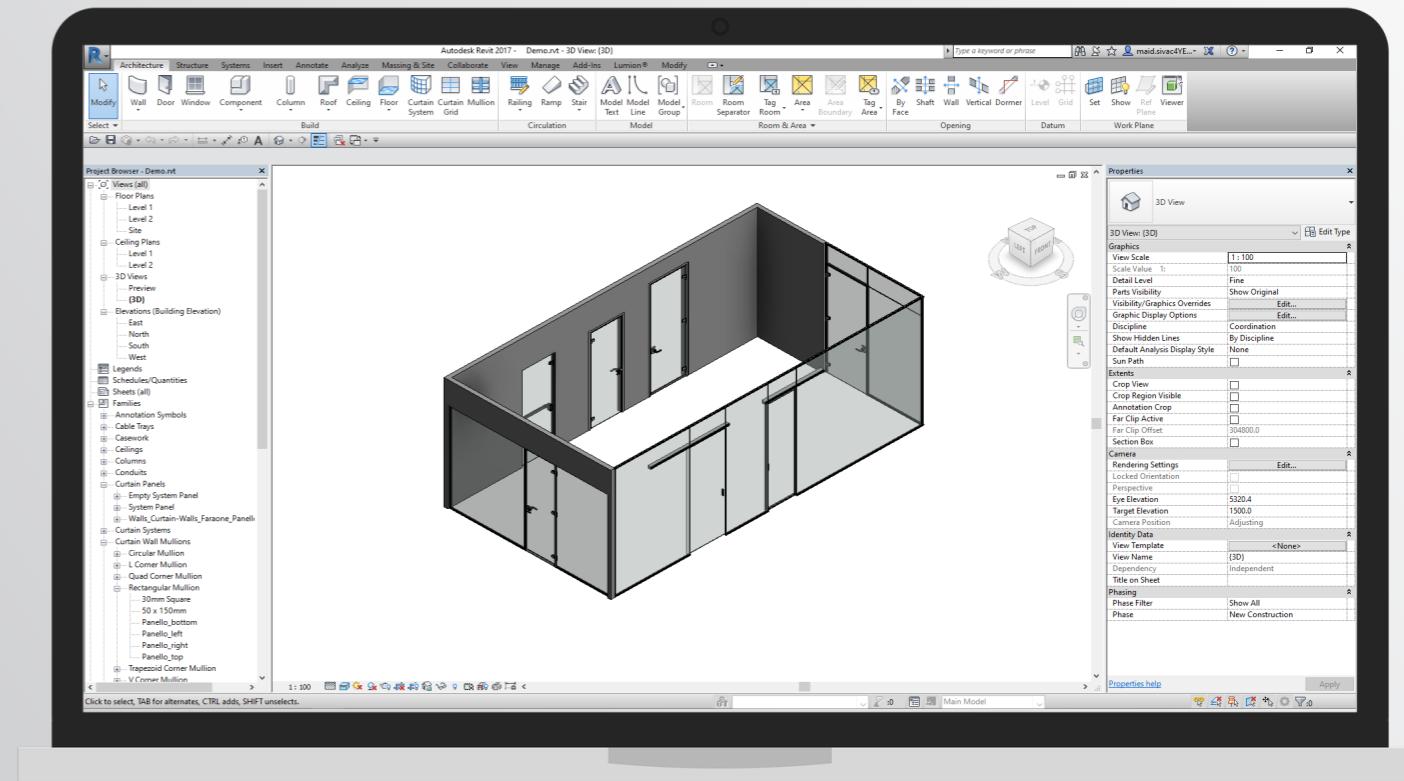
maidsivacportfolio ®

Maid Sivac

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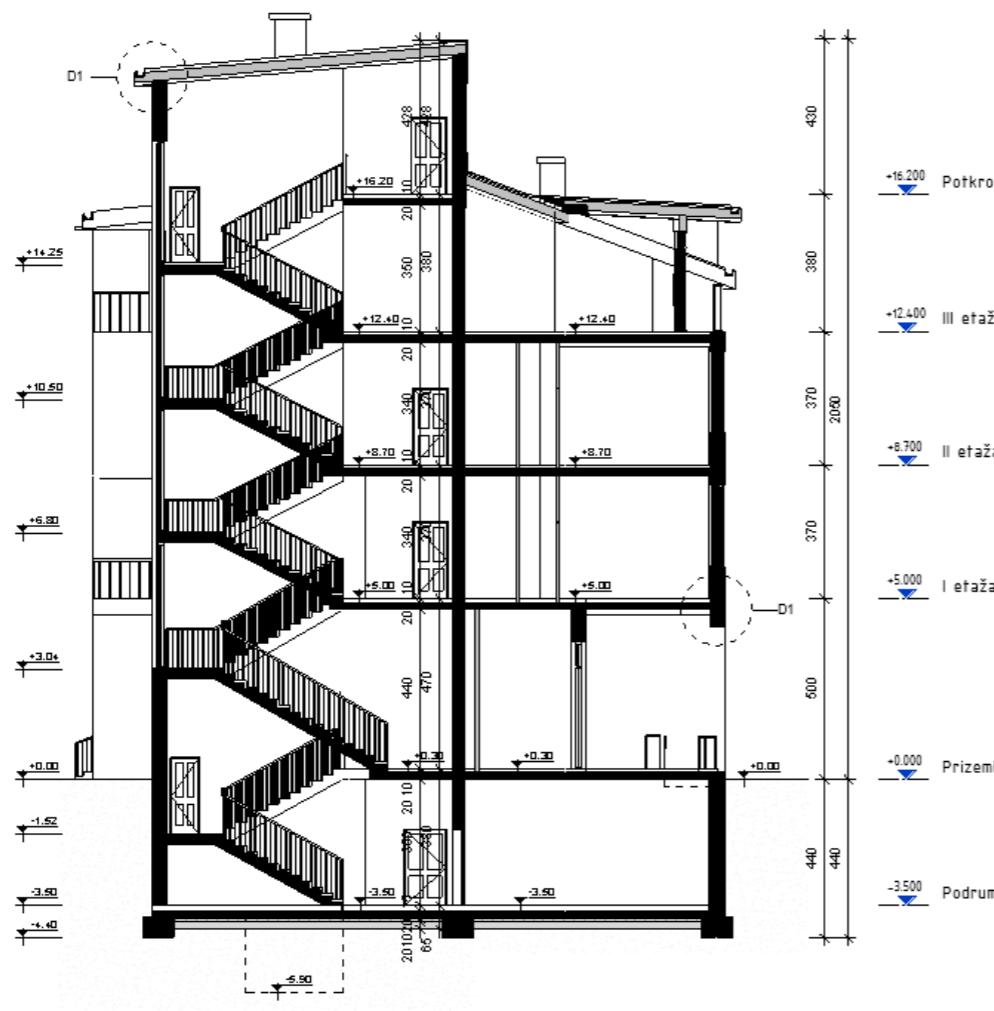
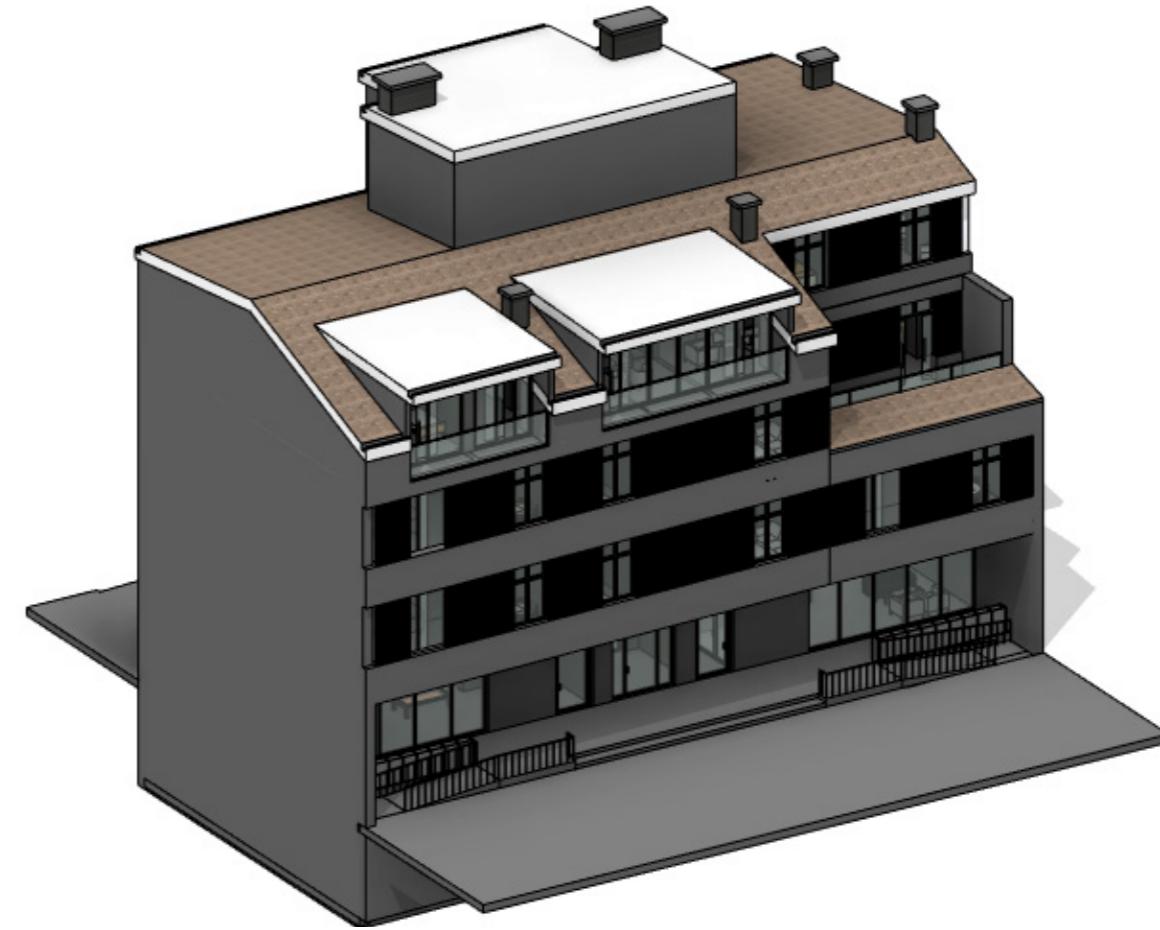
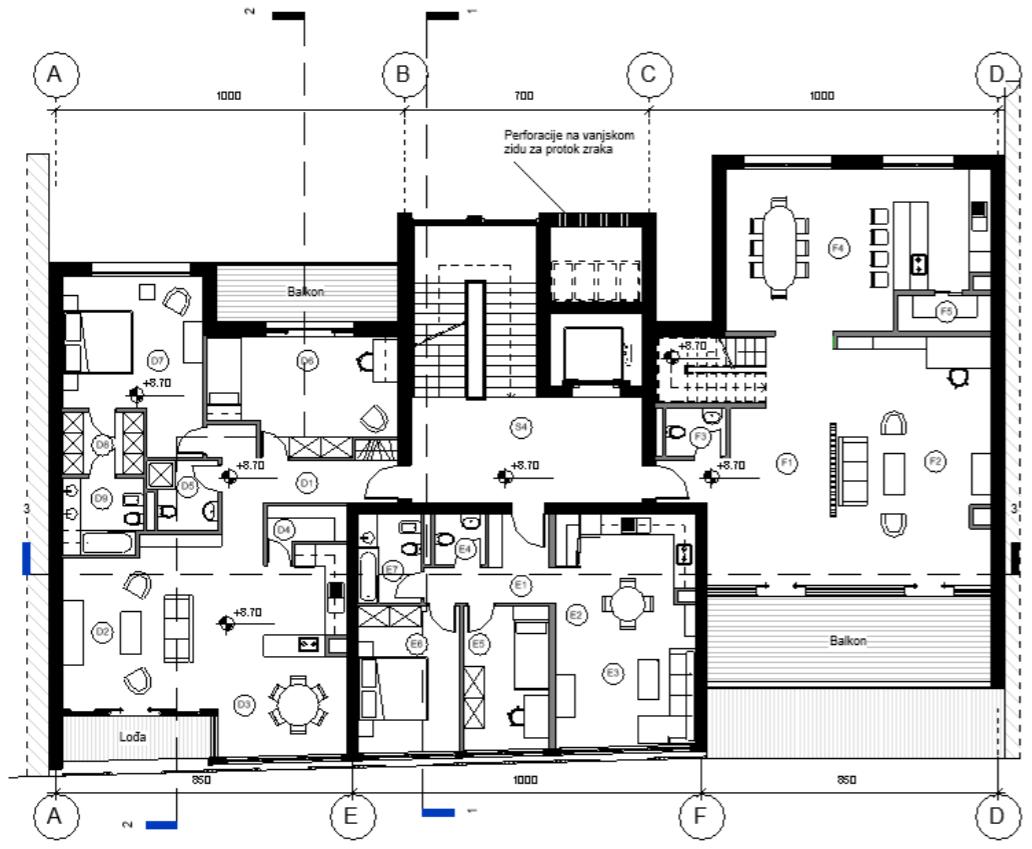
Kranjčevićeva 7
71000 Sarajevo
Bosnia and Herzegovina

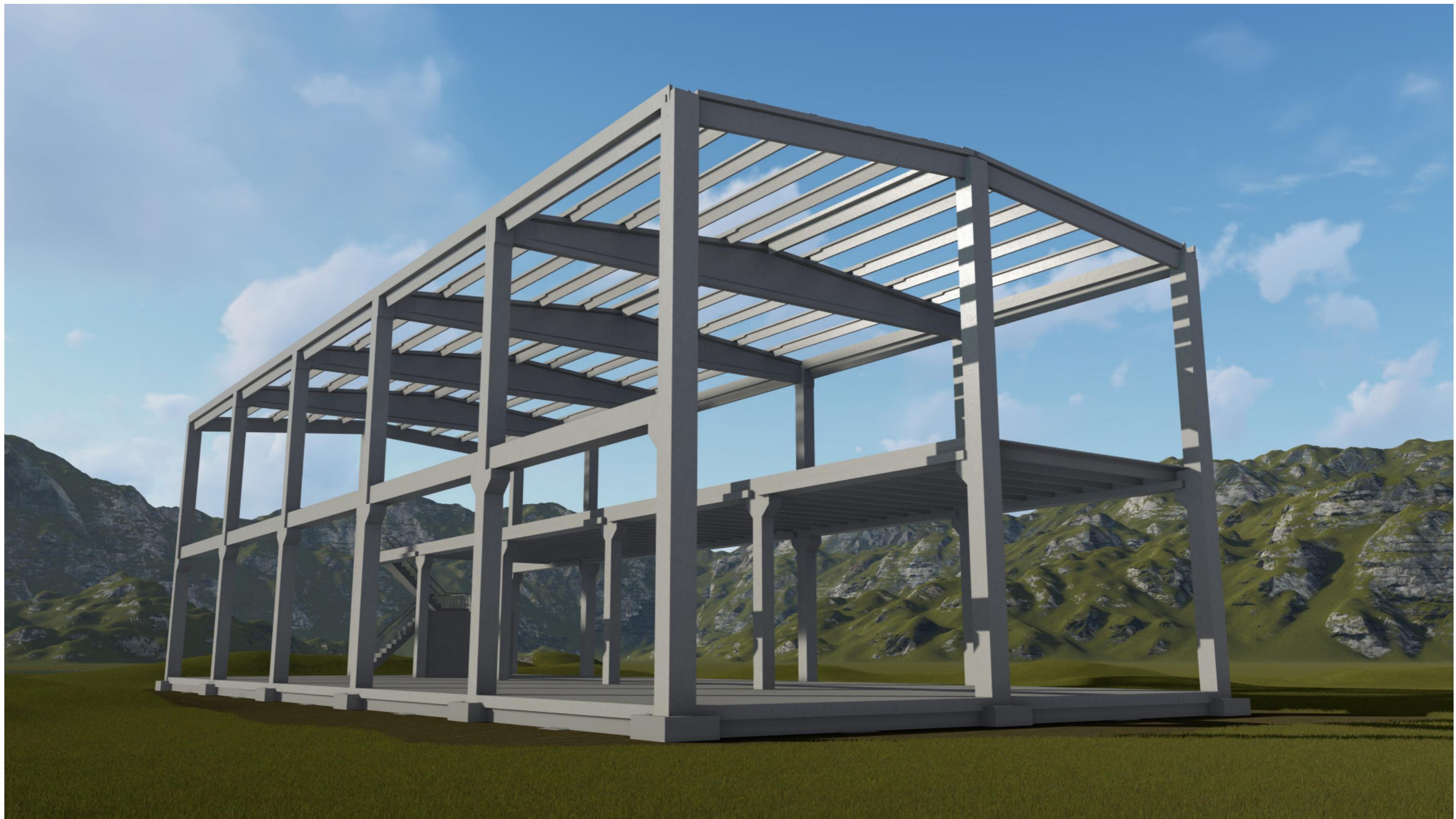




Concept project: Business and residential building in Sarajevo, Bosnia and Herzegovina

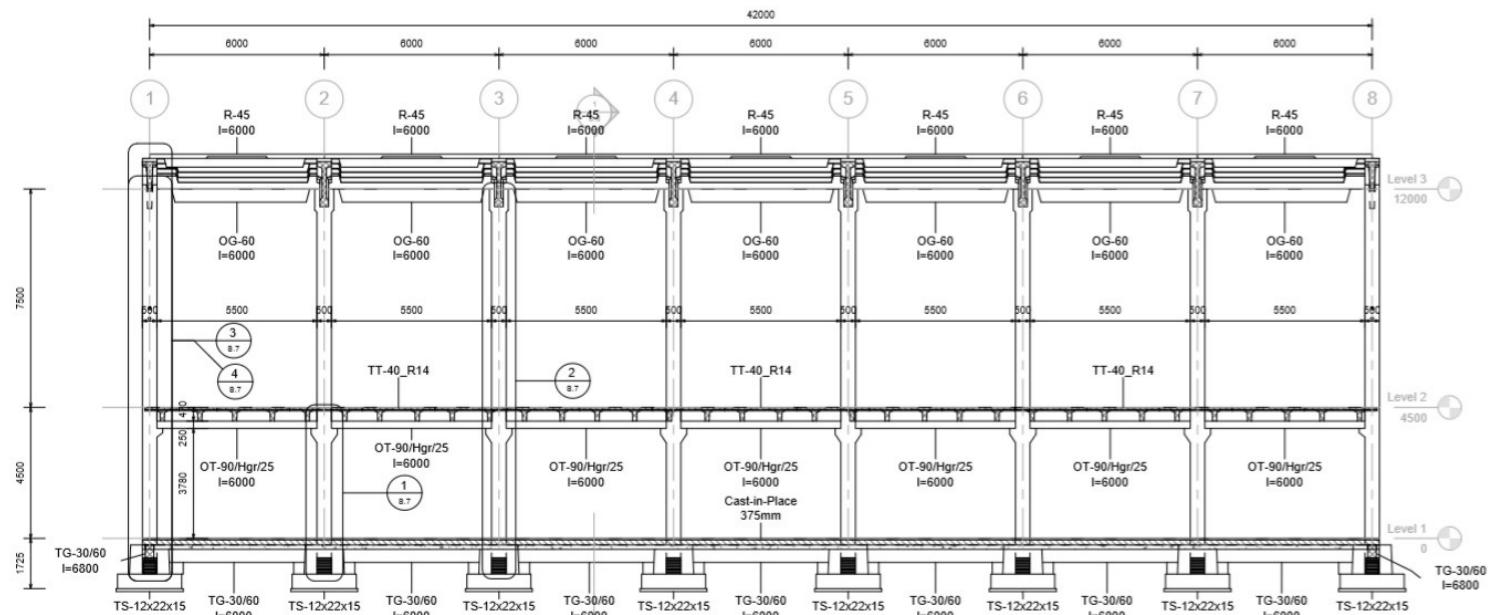
• BIM • Revit • 3D model • Lumion





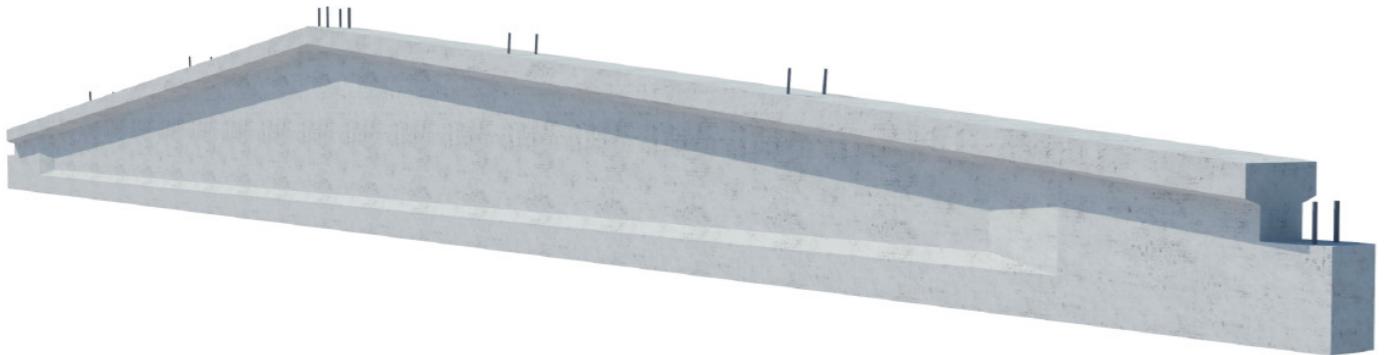
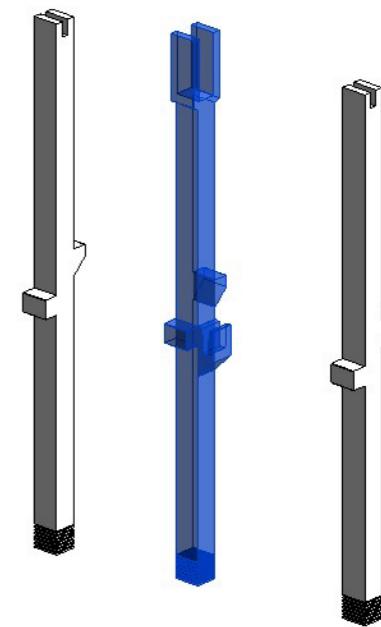
Structural hall model: with parametric precast concrete elements - beams, columns, foundations, floors and stairs

- BIM • Revit • 3D model • Lumion • Parametric



Structural Columns (1)

Base Level	Level 1
Base Offset	0.0
Top Level	Level 3
Top Offset	0.0
Column Style	Vertical
Moves With Grids	<input checked="" type="checkbox"/>
Graphics	
Side Connection 1< Structural Conn...	Rectangular Corbel
Side Connection 2< Structural Conn...	Sloped Corbel
Side Connection 3< Structural Conn...	Roof-Crane Beams Connection : T-80
Side Connection 4< Structural Conn...	Connection : None
Upper Connection< Structural Colu...	Upper connection : I Beam I-160
Seat Height A/I Beam	600.0
Seat height OG Beam	400.0
Text	
Warning Text	Check Max/Min Column Height
Structural	
Enable Analytical Model	<input checked="" type="checkbox"/>
Rebar Cover - Top Face	Exposure Group(XS1, XD1)-Max.vct(...
Rebar Cover - Bottom Face	Exposure Group(XS1, XD1)-Max.vct(...
Rebar Cover - Other Faces	Exposure Group(XS1, XD1)-Max.vct(...
Dimensions	
Volume	6.174 m ³
Identity Data	
Image	
Comments	



Type name: T1 A-135

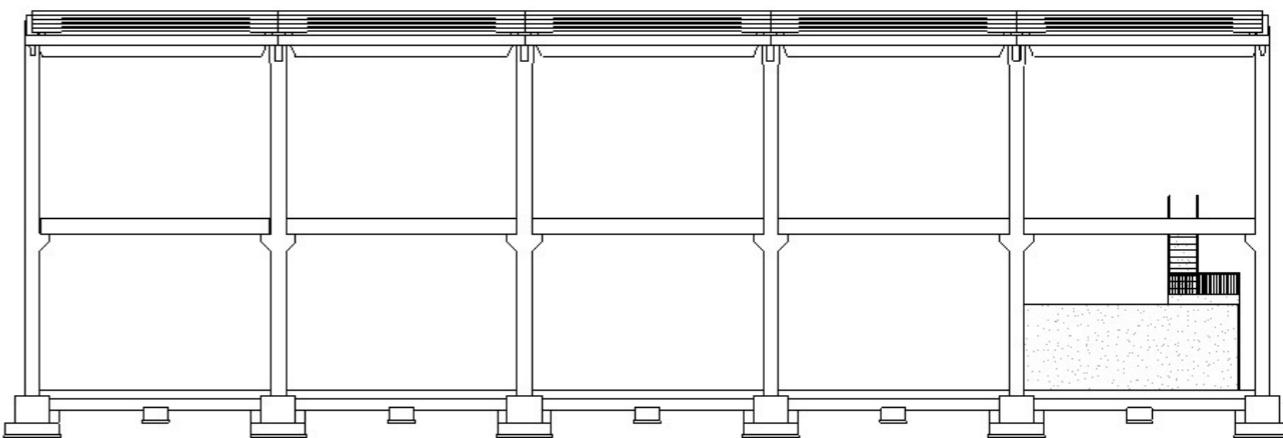
Search parameters

Parameter	Value	Formula
Constraints		
Warning Description (default)	None	= if(Length Overconstrained, "Check Length Ran...
Height Overconstrained (defa...		= if(H min < Min Height, 1 < 2, 1 > 2)
Length Overconstrained (def...		= if(or(L < Min Length, L > Max Length), 1 < 2, 1
L (report)	12000.0	=
H min (default)	1196.9	= H max - tan(Roof Slope) * [L/2]
Construction		
Min Length	10000.0	=
Max Length	14000.0	=
Min Height	650.0	=
Roof Slope	5.00°	=
Graphics		
Warning Visibility (default)		= if(or(Height Overconstrained, Length Overcon...
Text		
Warning Description 1 (defau...	None	= if(Height Overconstrained, "Check Minimum H...
Materials and Finishes		
Structural Material	Precast Concrete	=
Warning Apperan...		=
Dimensions		
H max	1350.0	=
B2	500.0	=
B1	300.0	=
t	150.0	=
Cast Depth (defau...	150.0	=

Manage Lookup Tables

OK Cancel Apply

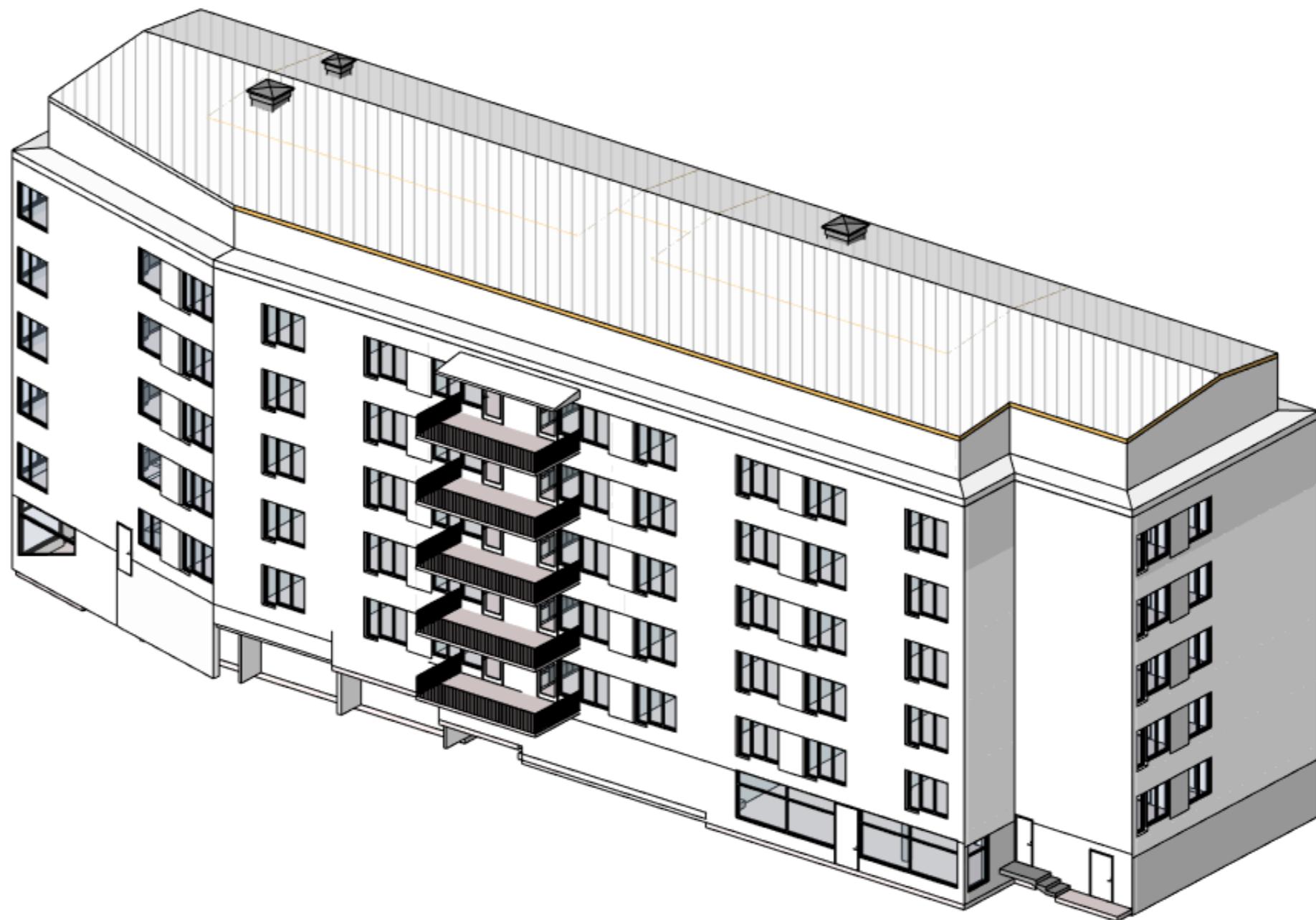
How do I manage family types?





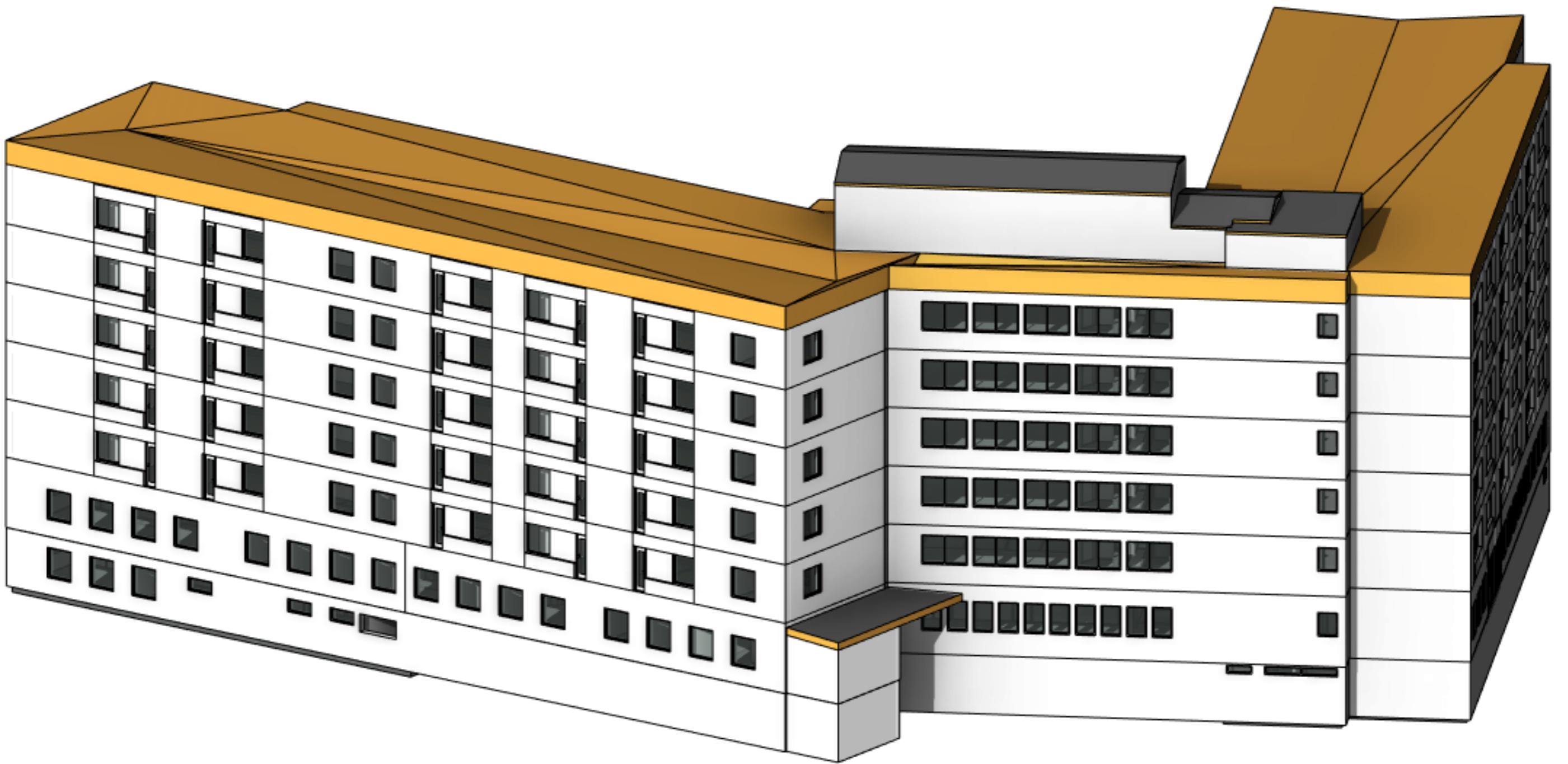
Construction Aerial Equipment with parametric platform height and extension front/back length

- BIM • Revit • 3D Modelling • Parametric • BIM Asset Development • Revit Family



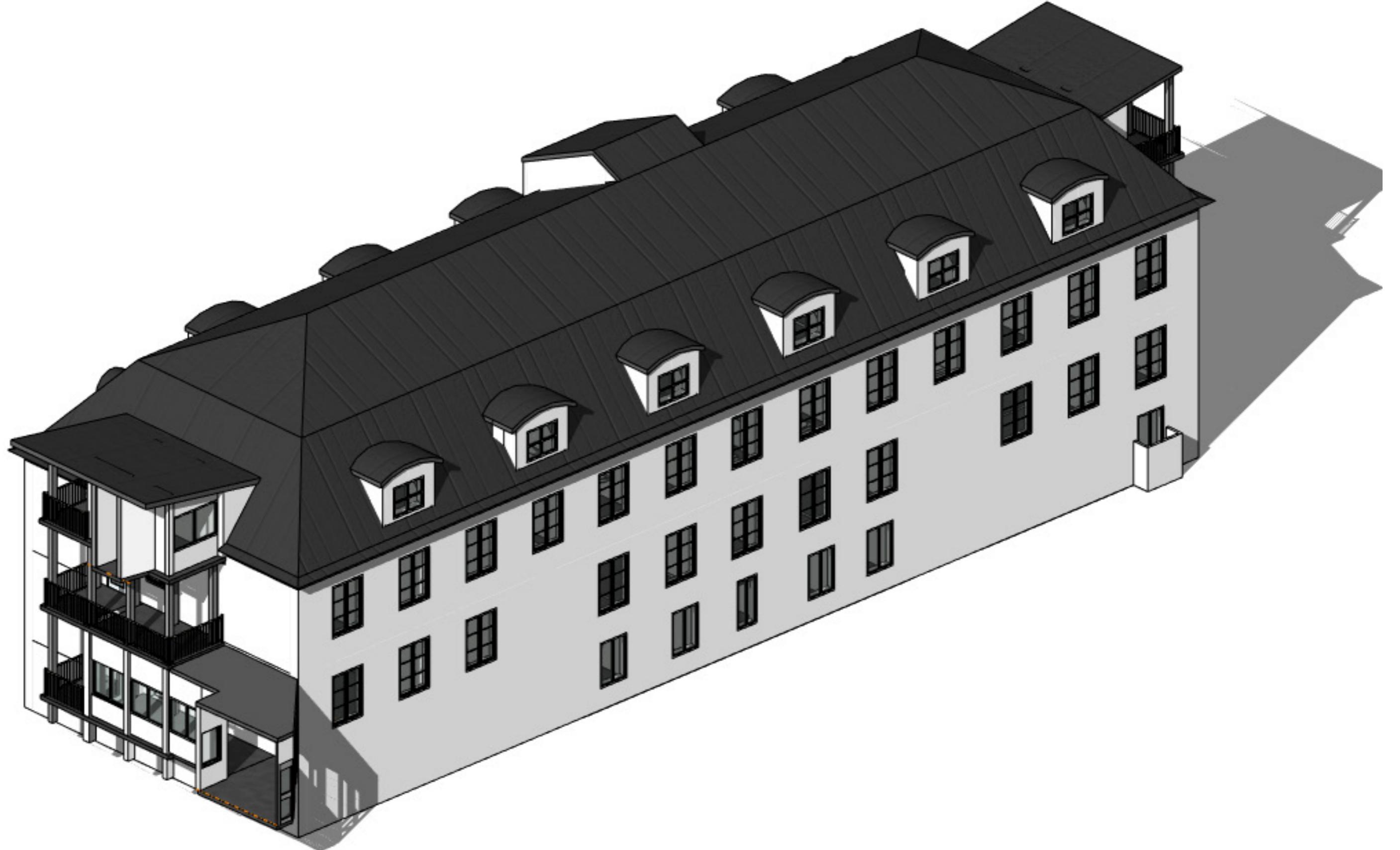
Residential building - Process of digitalization: from DWG references to BIM model

- BIM • Revit • 3D model • Digitalization



Residential building - Process of digitalization: from DWG references to BIM model

- BIM • Revit • 3D model • Digitalization



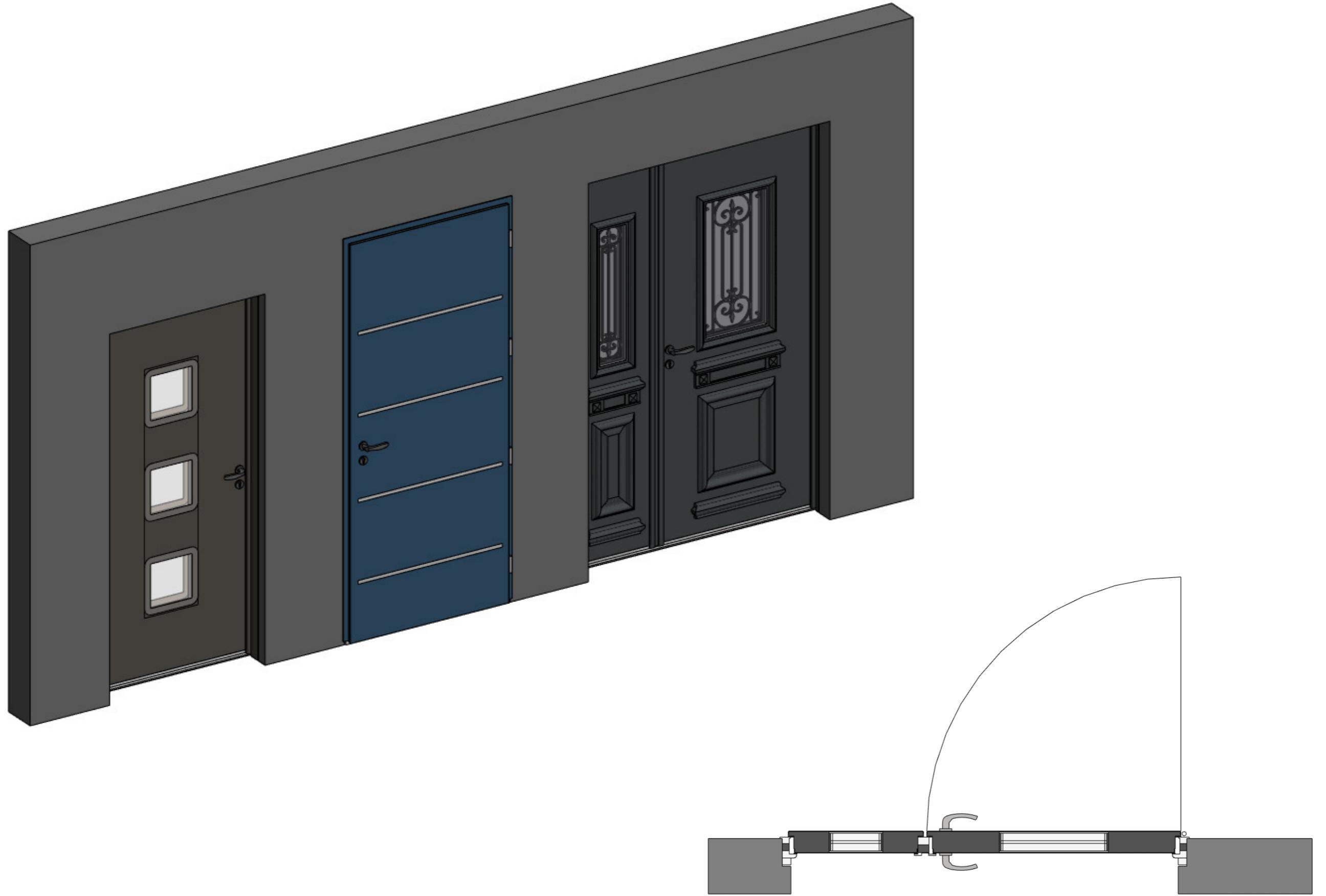
Residential building - Process of digitalization: from DWG references to BIM model

- BIM • Revit • 3D model • Digitalization



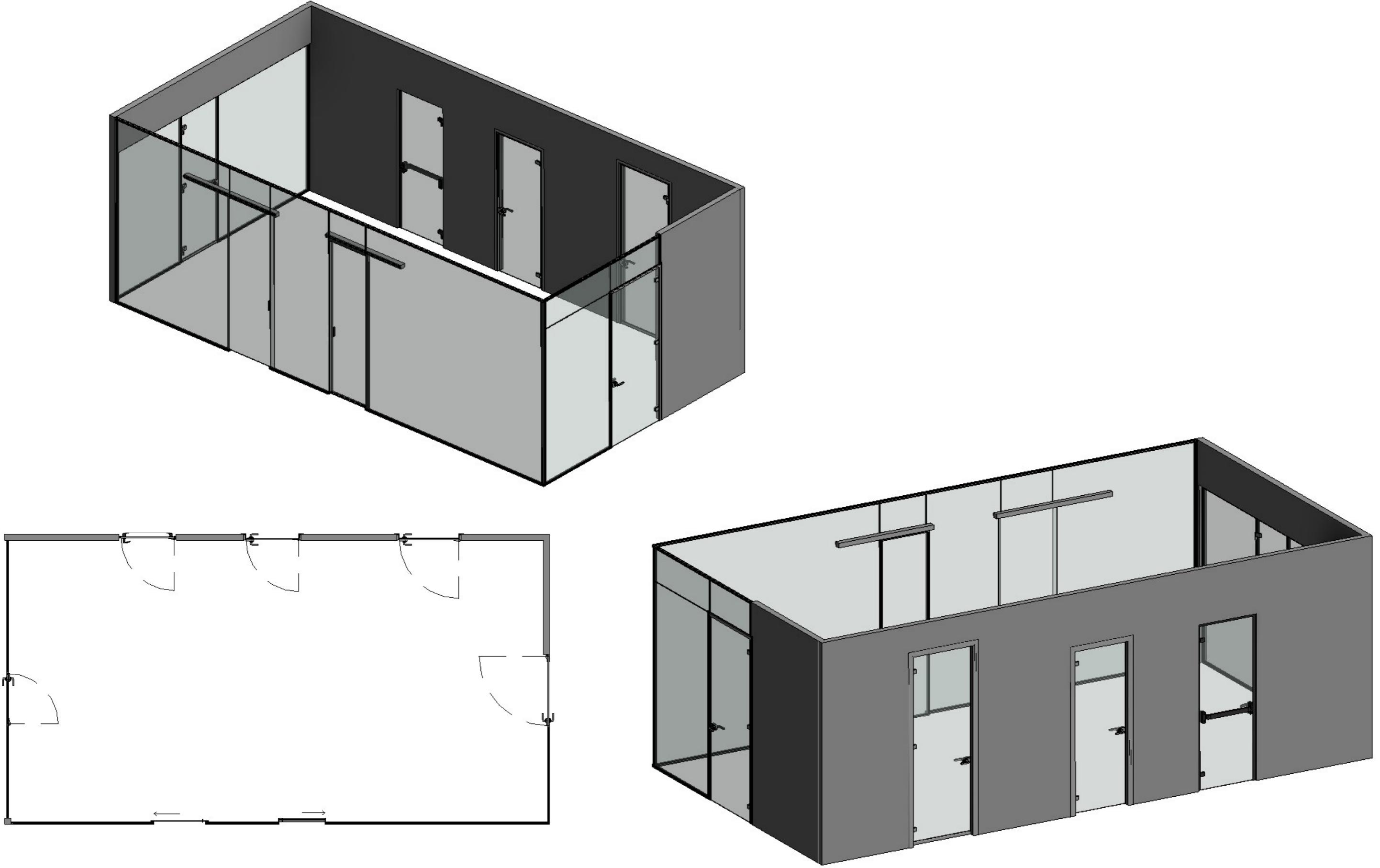
BIM Asset Development - Entrance Door Family with size constraints, 3 LOD

- BIM • Revit • 3D model • Digitalization • Materials • Parametric



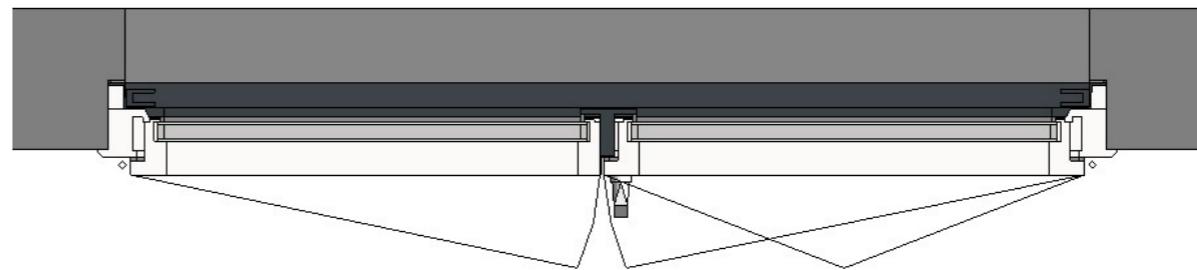
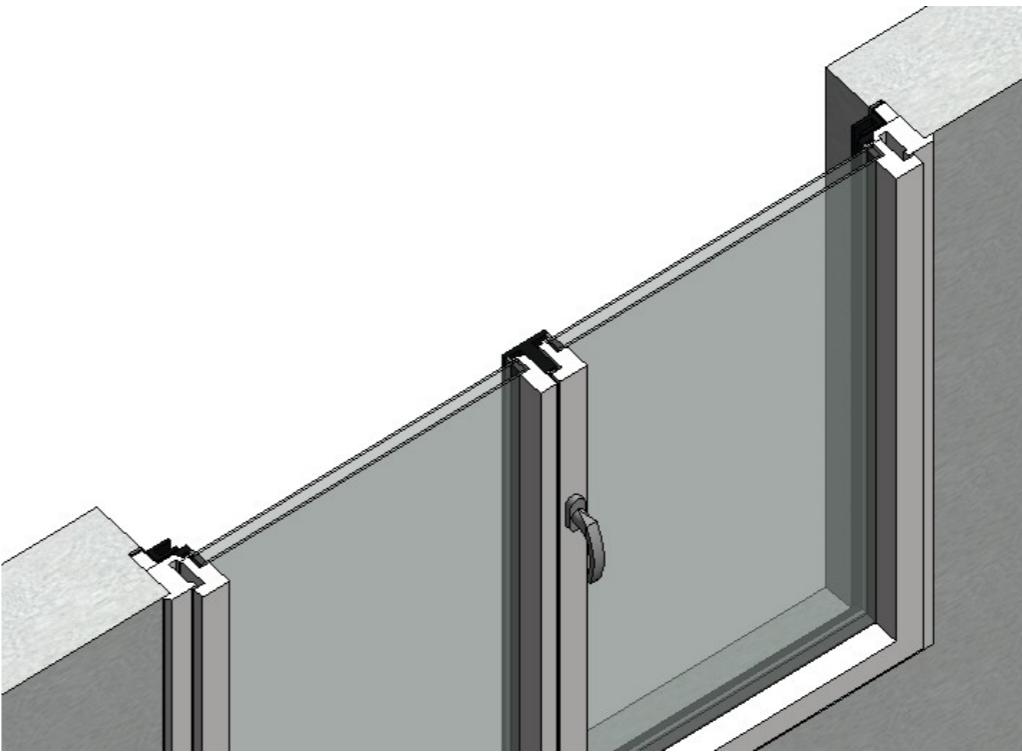
BIM Asset Development - Entrance Door Family

- BIM • Revit • 3D model • Digitalization • Materials



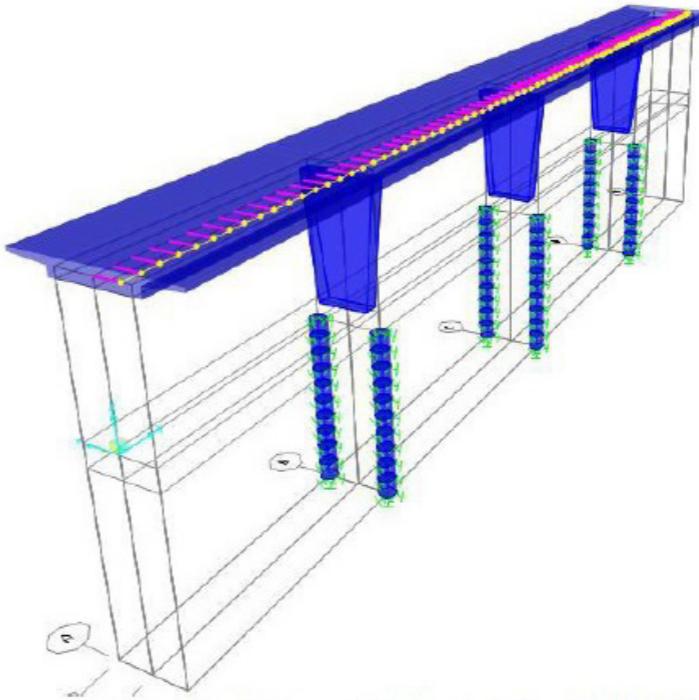
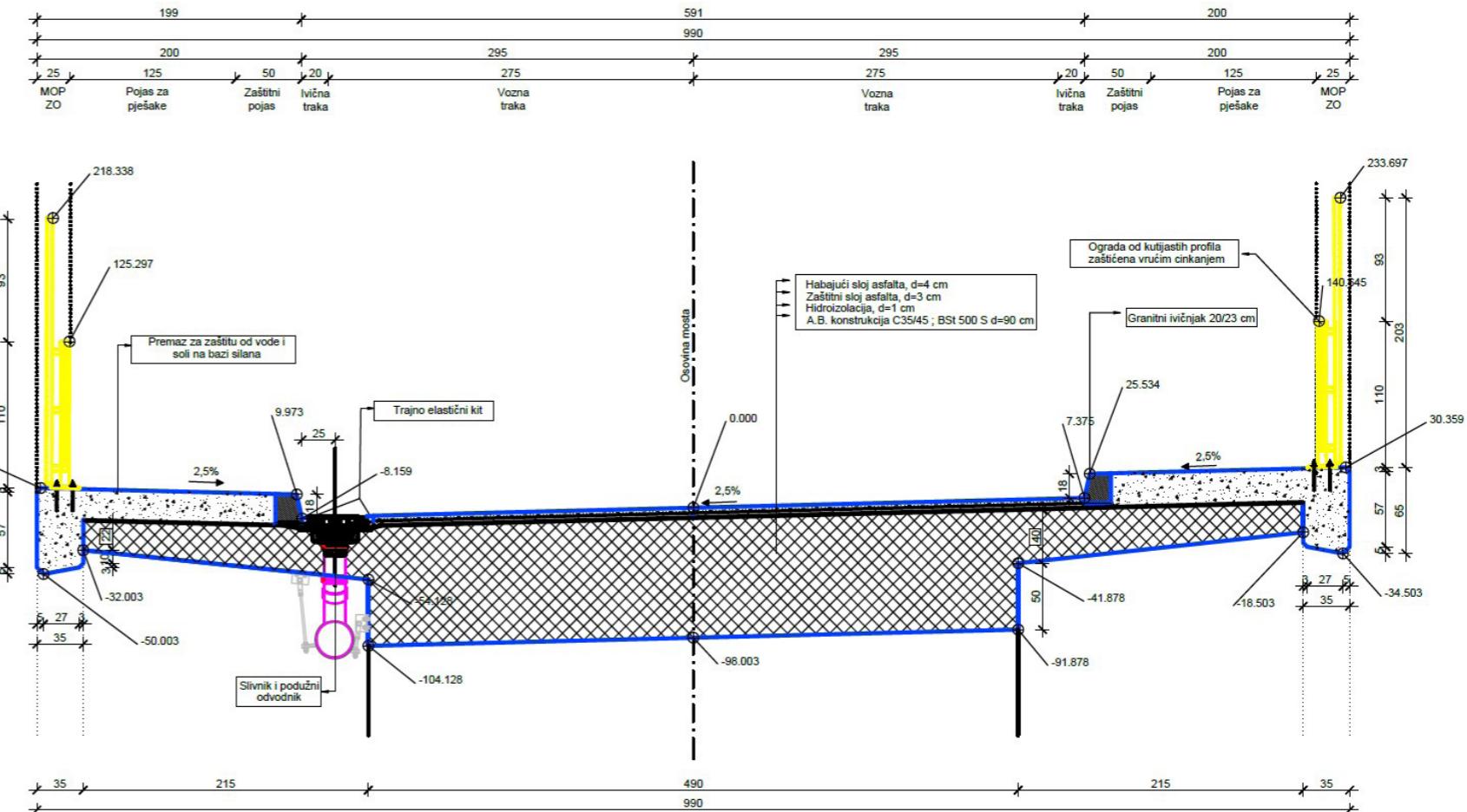
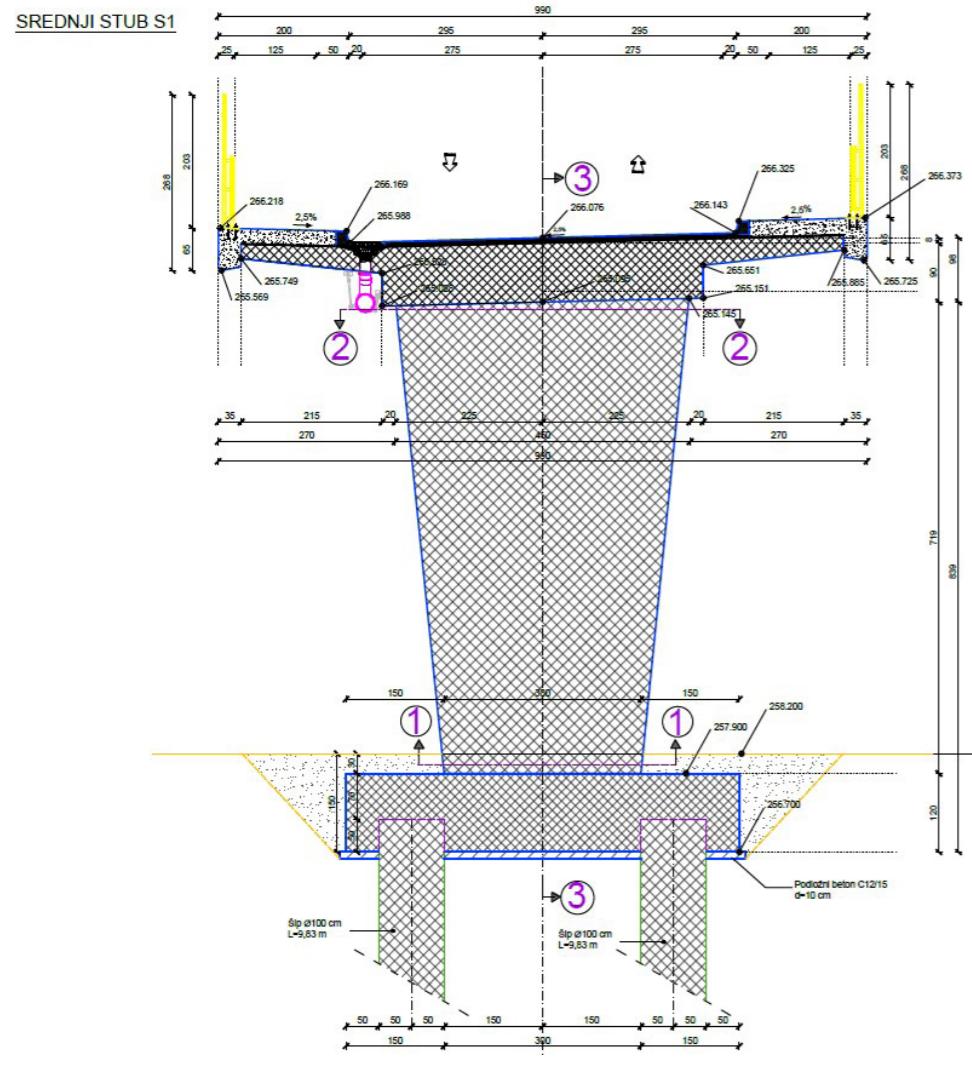
BIM Asset Development - Curtain Walls and Doors Showcase

- BIM • Revit • 3D model • Demo • Materials • Parametric



BIM Asset Development - Revit Families - Window with Shader Design - Classical Ionic Column

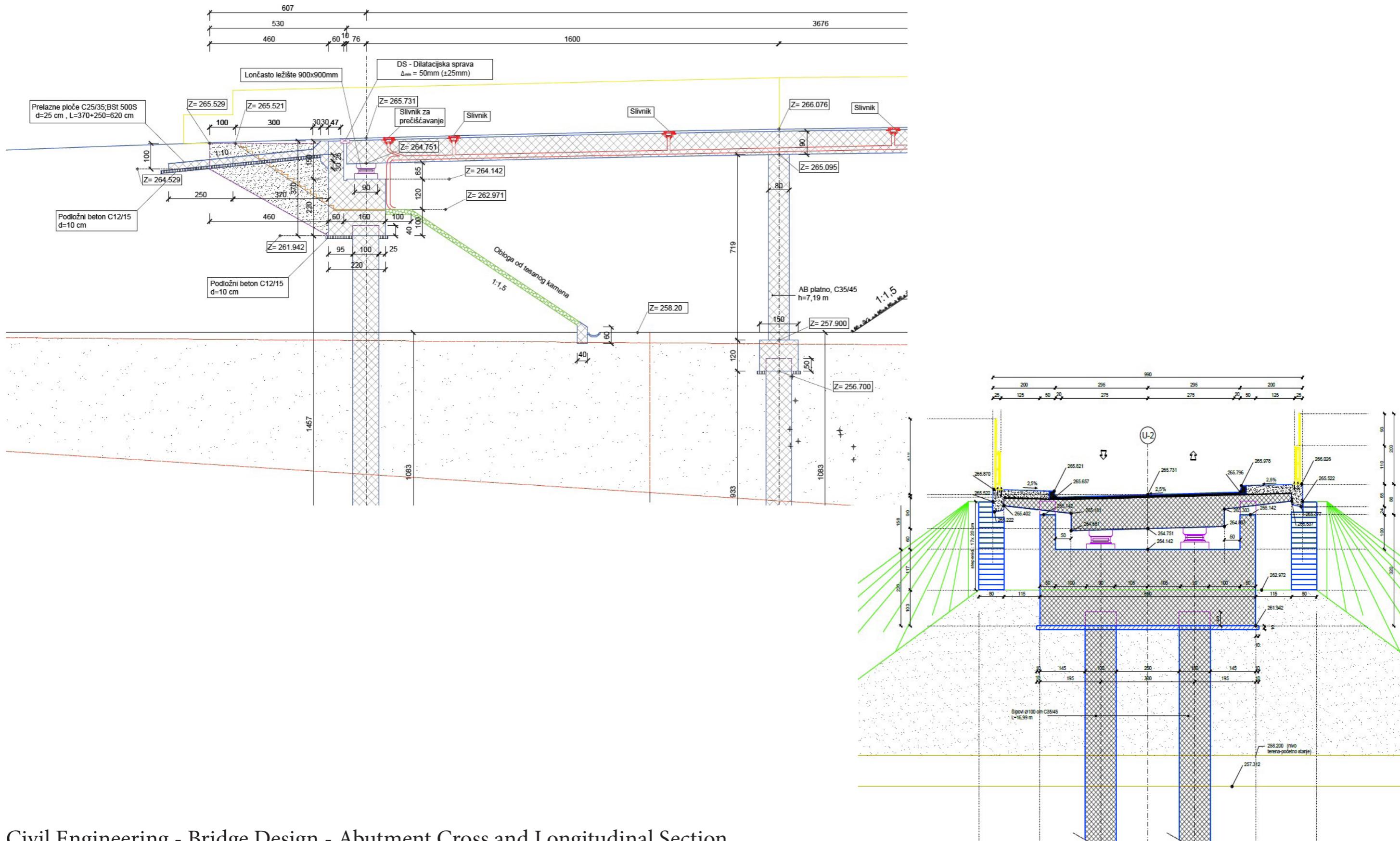
• BIM • Revit • 3D model • Demo • Materials • Parametric



Slika 2.1 – Prikaz modela konstrukcije u SAP 2000

Civil Engineering - Bridge Design - Column - Cross Section

- AutoCad • 3D model • Monolithic Joint



Civil Engineering - Bridge Design - Abutment Cross and Longitudinal Section

- AutoCad • 3D model