

Rezvan Azizi

Architect-BIM Manager



BIM Manager
RezvanAzizi

Contact



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<https://www.linkedin.com/in/rezvan-azizi/>



Hamedan- Iran

About Me

With 9 years of experience using Revit, I am highly proficient in modeling across all three disciplines: architecture, structure, and MEP (mechanical, electrical, and plumbing). I specialize in Dynamo scripting and am skilled in using Navisworks for project coordination. I have strong expertise in parametric family modeling and manage and coordinate BIM files efficiently.

Education

Ph.D. in Architecture (Ongoing)

Bu-Ali Sina University, Iran

MASTERAL Architecture

Razi University, Iran

My Skills

Autodesk Revit Architecture

Autodesk Revit MEP

Autodesk Revit Structure

Autodesk Revit Dynamo

Autodesk Revit Naviswork





Experience

2017 – 2018

JOB POSITION / BIM Modeler & Coordinator

- For floors +1 and +2 of the Imam Hussein (PBUH) Shrine in Iraq
- Architecture modeling with LOD300
- Mechanical and structural installations with LOD200

2018

JOB POSITION / Modeler

Specialized Parametric Family Modeler for Startups

2019–2020

JOB POSITION / BIM Manager & Coordinator

- Second Phase of Iranmehr Hospital Development
- Architectural and Mechanical Disciplines Modeling with LOD350
- Coordination and File Management

2020 – Present

JOB POSITION / BIM Coordinator, Dynamo Scripting & BIM Manager

- BIM Coordinator managing BIM processes
- Expertise in Dynamo scripting and Navisworks management
- Optimizing workflows and collaborating with teams
- Delivering efficient, accurate results for various companies

Rezvan Azizi

BIM Manager | Master Architect



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2020 - Present

- BIM Management & Coordination in Large-Scale Projects with High Data Volume (2020 - Present)
- Managed BIM workflows for high-profile projects with large datasets.
- Led BIM coordination, ensuring data accuracy and team collaboration.
- Optimized model development and project execution in complex projects.

Developed several essential automation scripts that significantly boosted project speed. Sample videos are provided below

Watch demo:
[LinkedIn Post 1](#)

Watch demo:
[LinkedIn Post 2](#)

Watch demo:
[LinkedIn Post 3](#)



Second Phase of Iranmehr Hospital Development 2020

Disciplines & LOD:

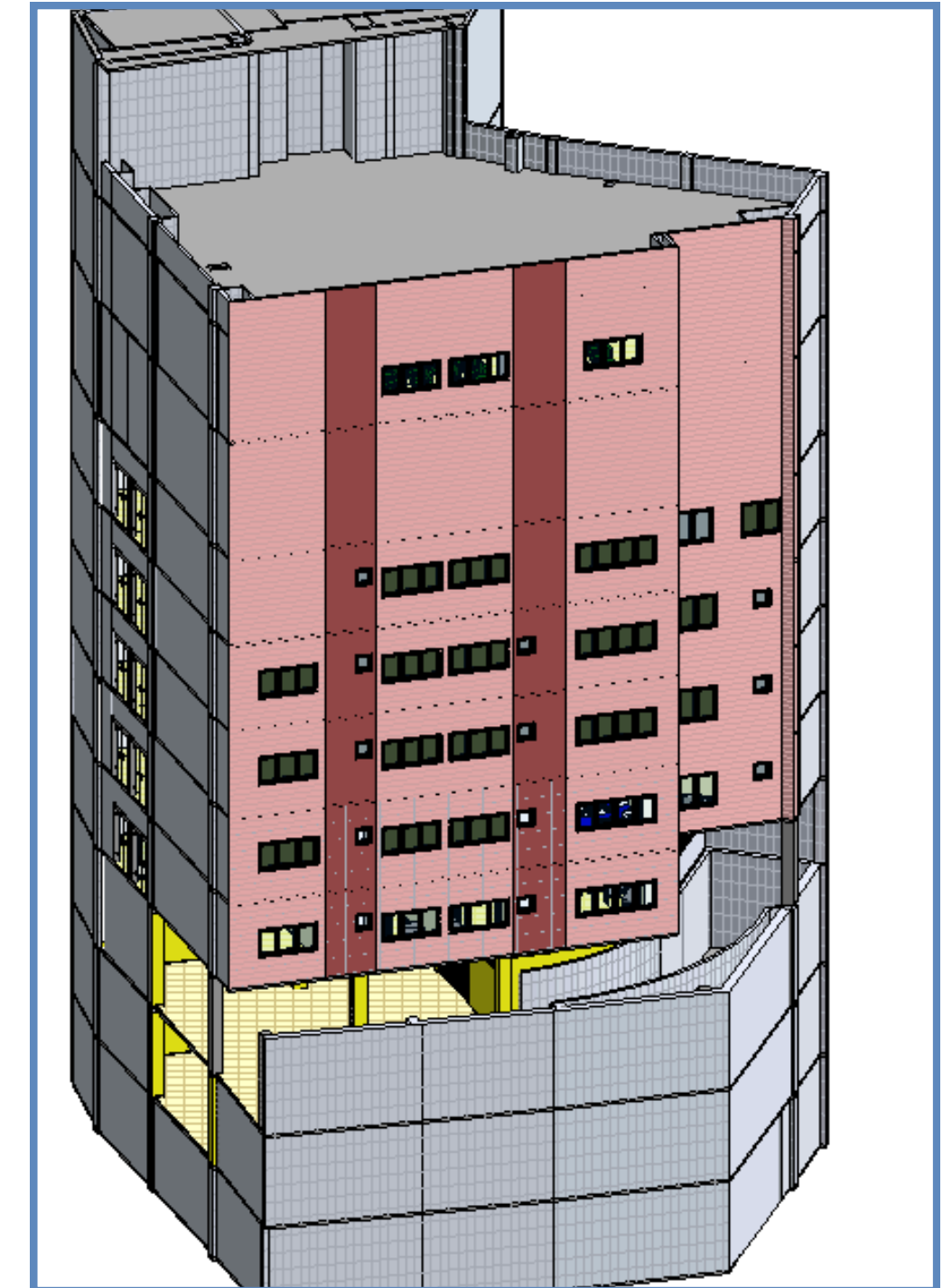
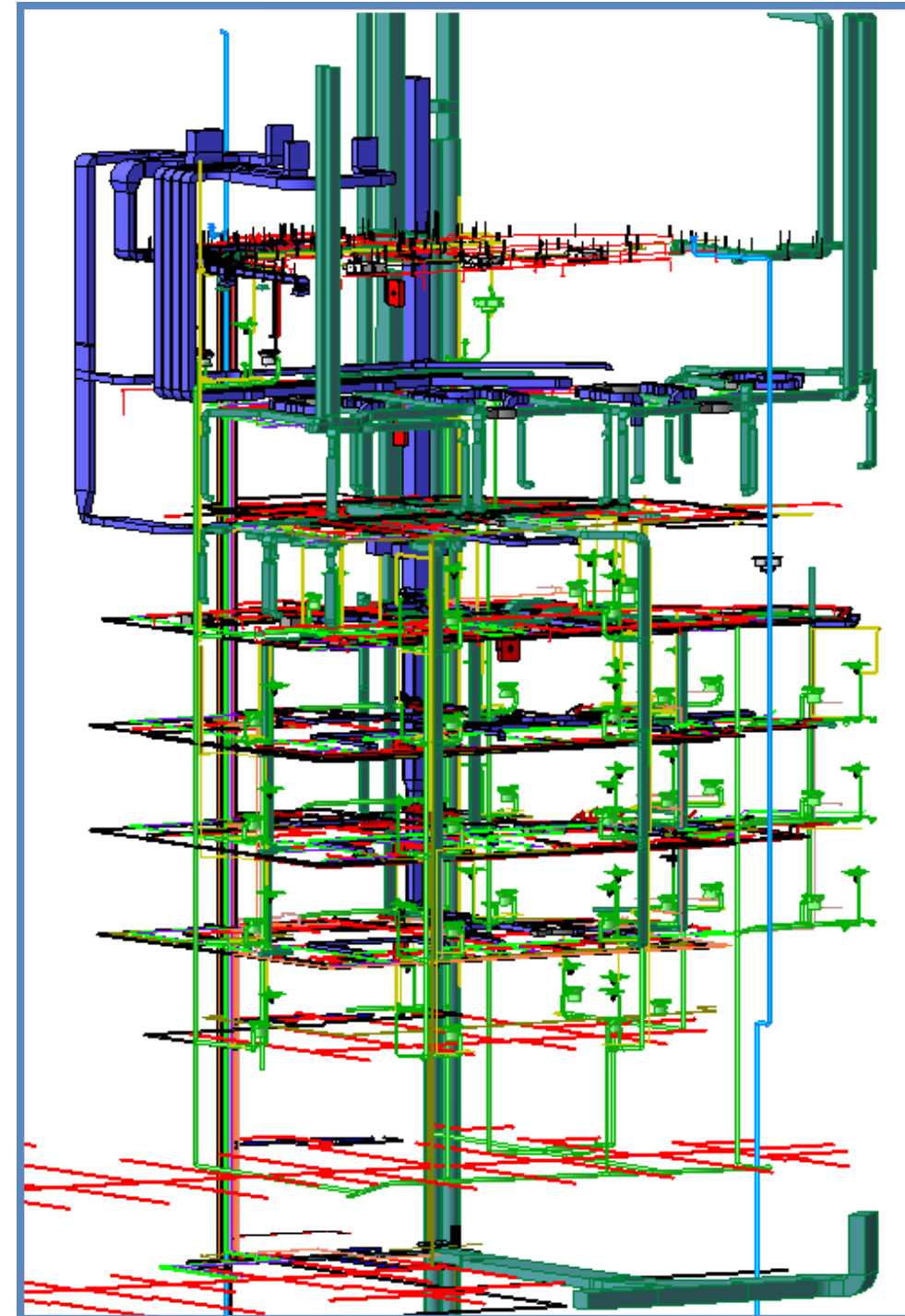
Architectural and Mechanical -LOD 350

3D Architectural Model

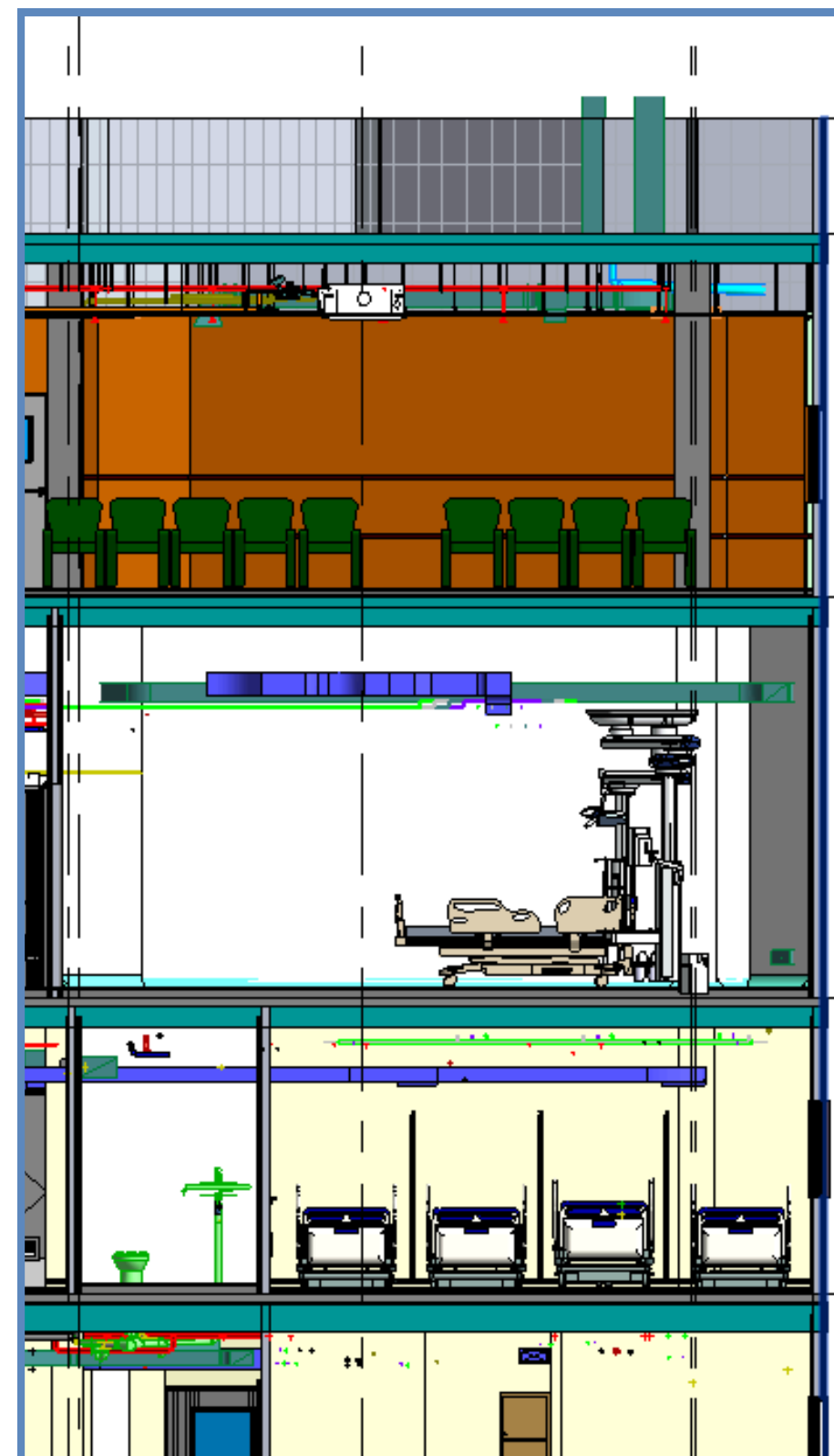
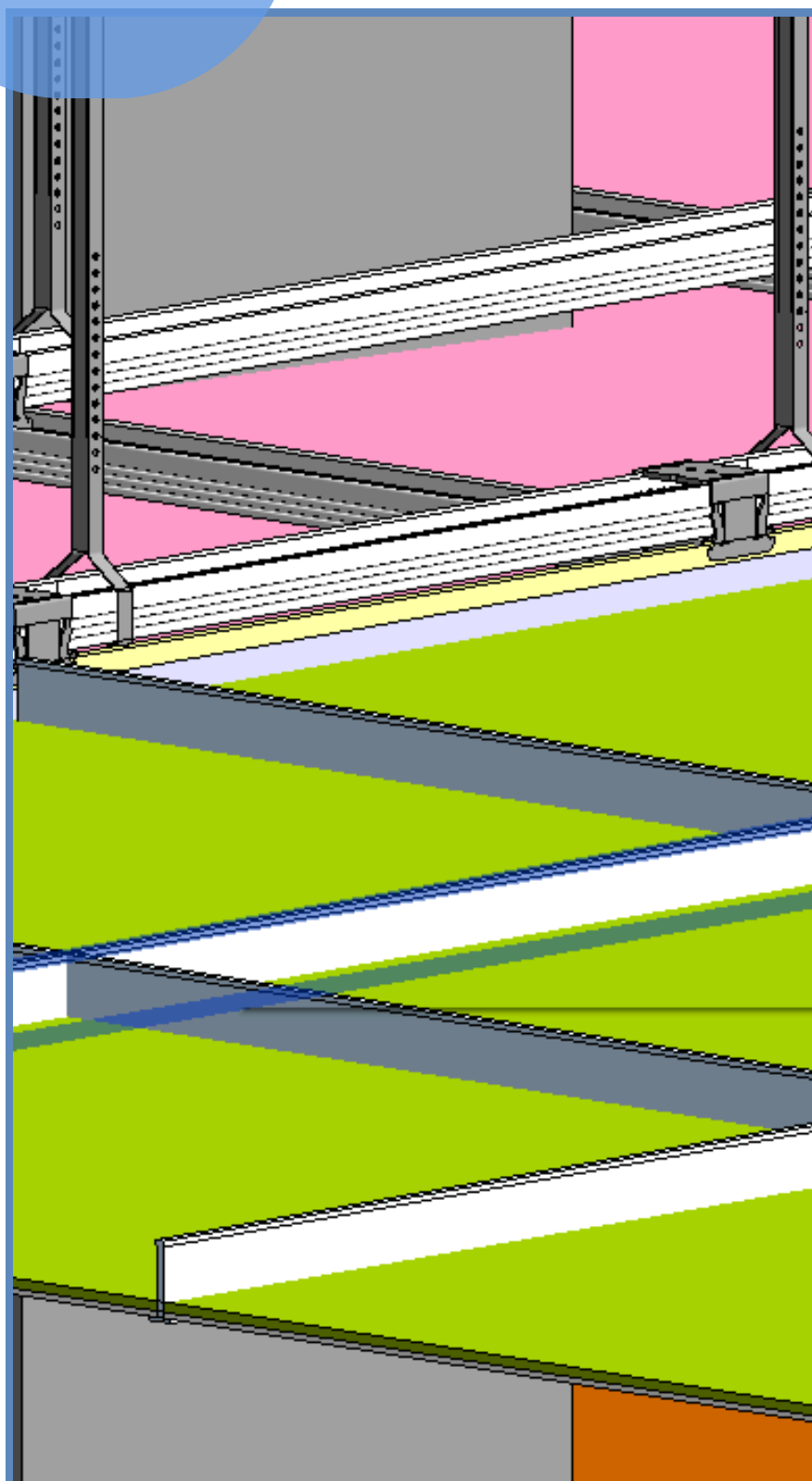
showcasing detailed facades, floor layouts, and spatial connections.

3D Mechanical Model:

including HVAC, plumbing, and electrical, integrated into the architectural framework.



Second Phase of Iranmehr Hospital Development

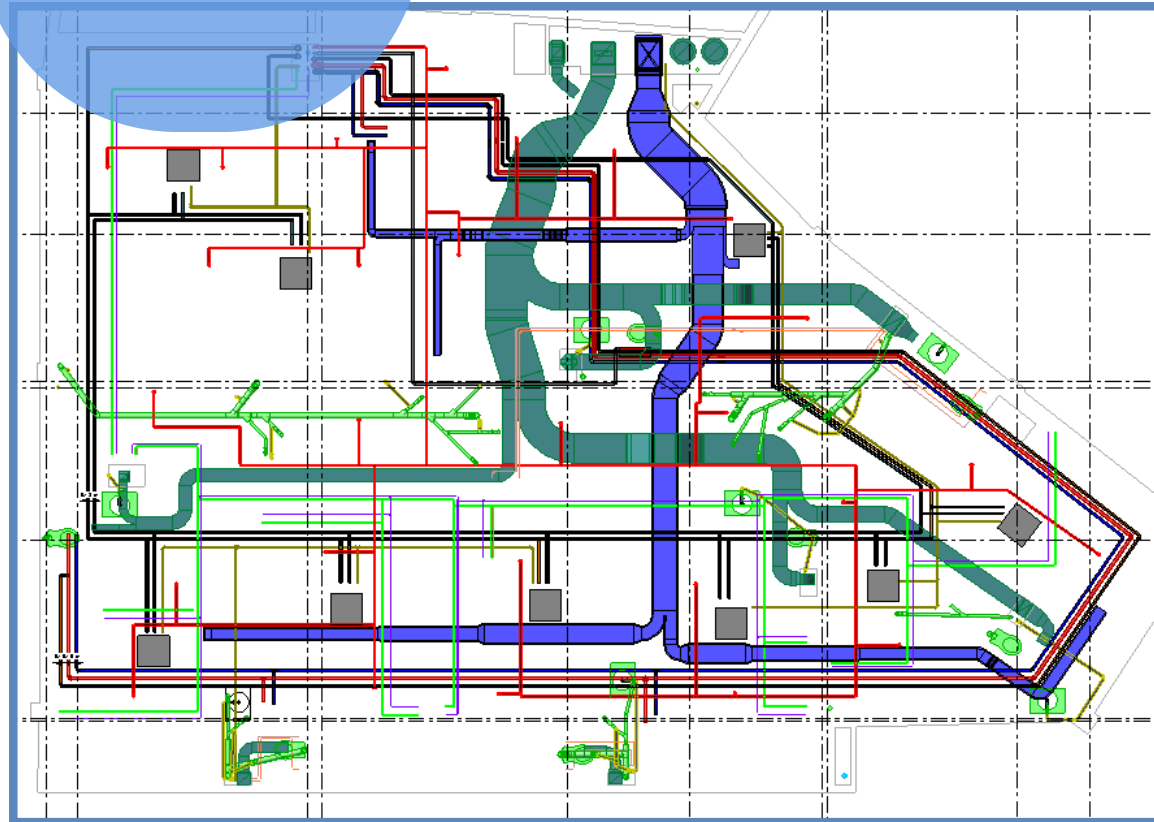


Section and 3D section views of part of the building

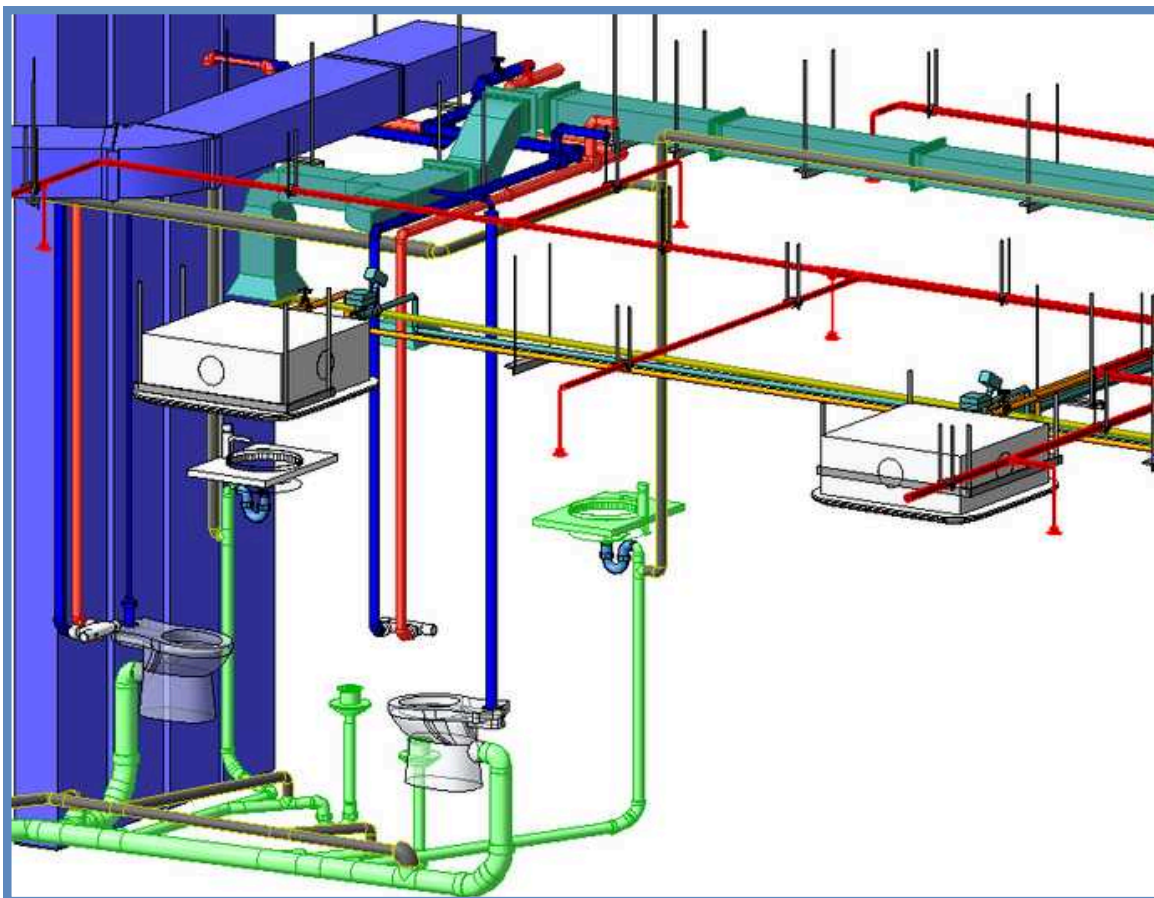
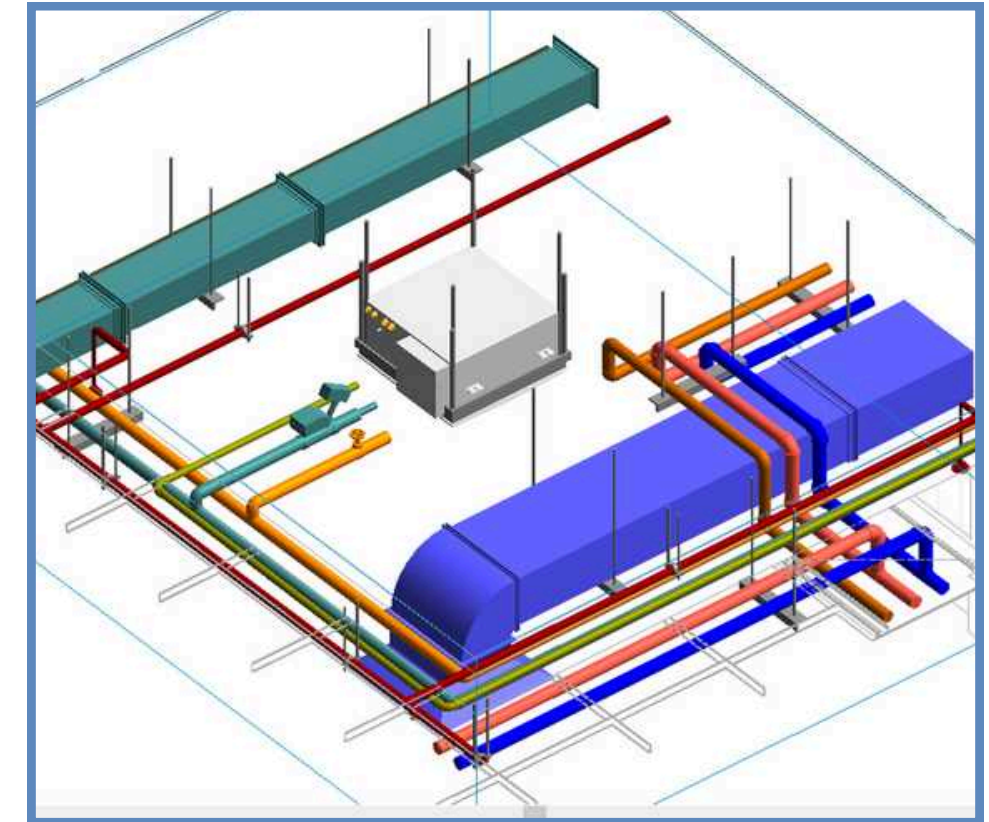
- Precise architectural modeling (LOD 350)
- Detailed families for all elements and suspended ceilings
- 3D model of mechanical systems
- Includes HVAC, plumbing
- Integrated with architectural framework

3D Architectural Model

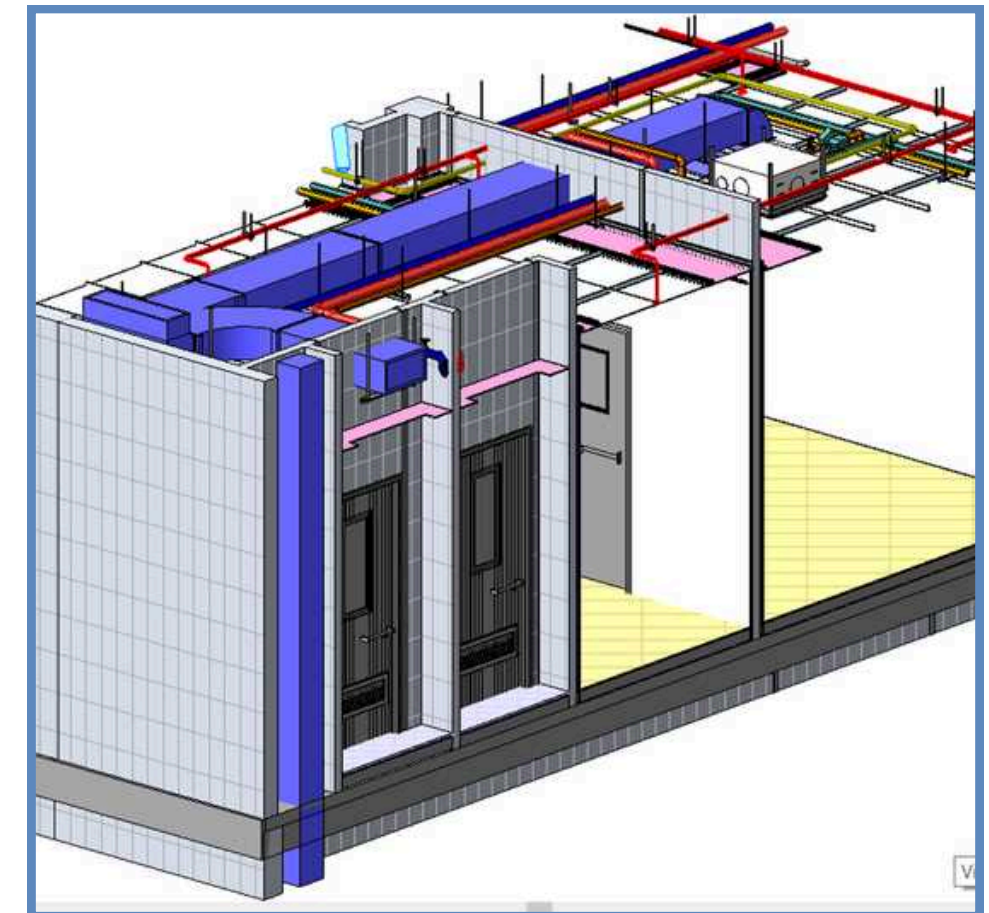
Second Phase of Iranmehr Hospital Development



- 3D view of pipe route breakages
- Includes connections and suspended ceilings
- Clash visualization and integration of mechanical and architectural elements



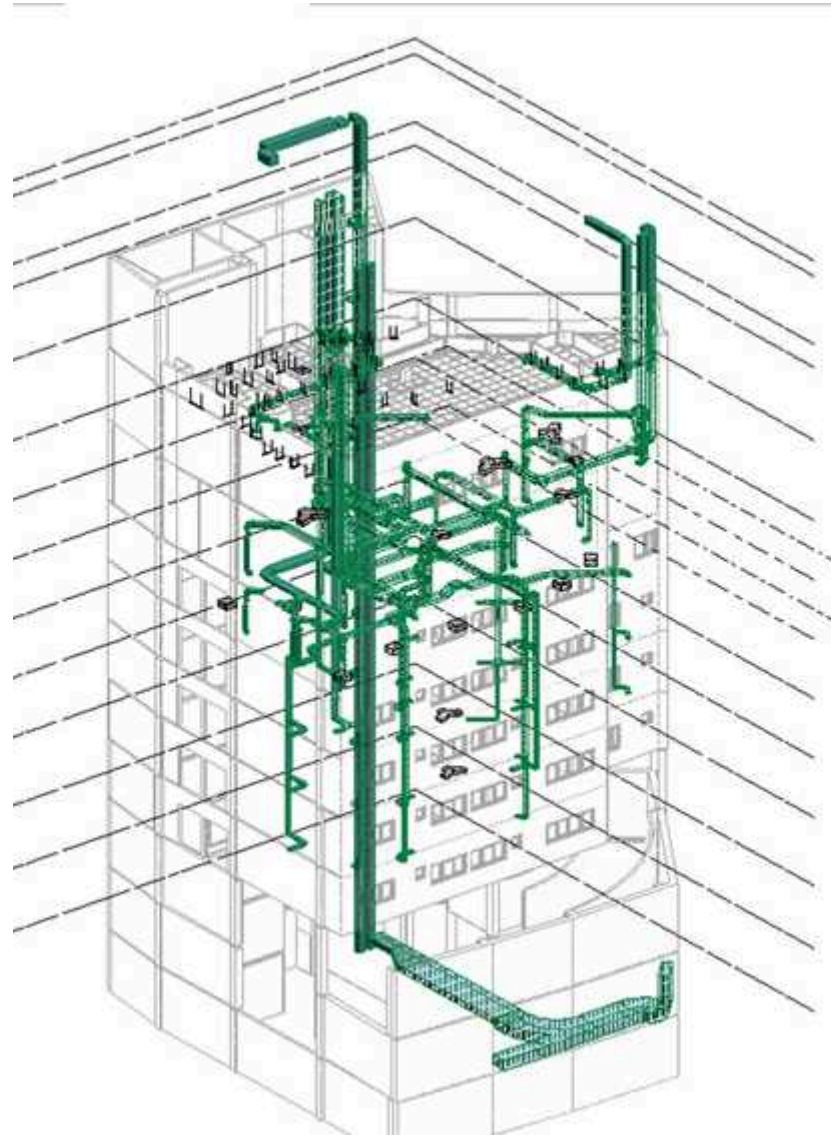
- Precise sewage slope design
- Accurate quantity takeoff and estimation
- Clash resolution for channel and pipe routes
- Integration of mechanical systems and architectural elements



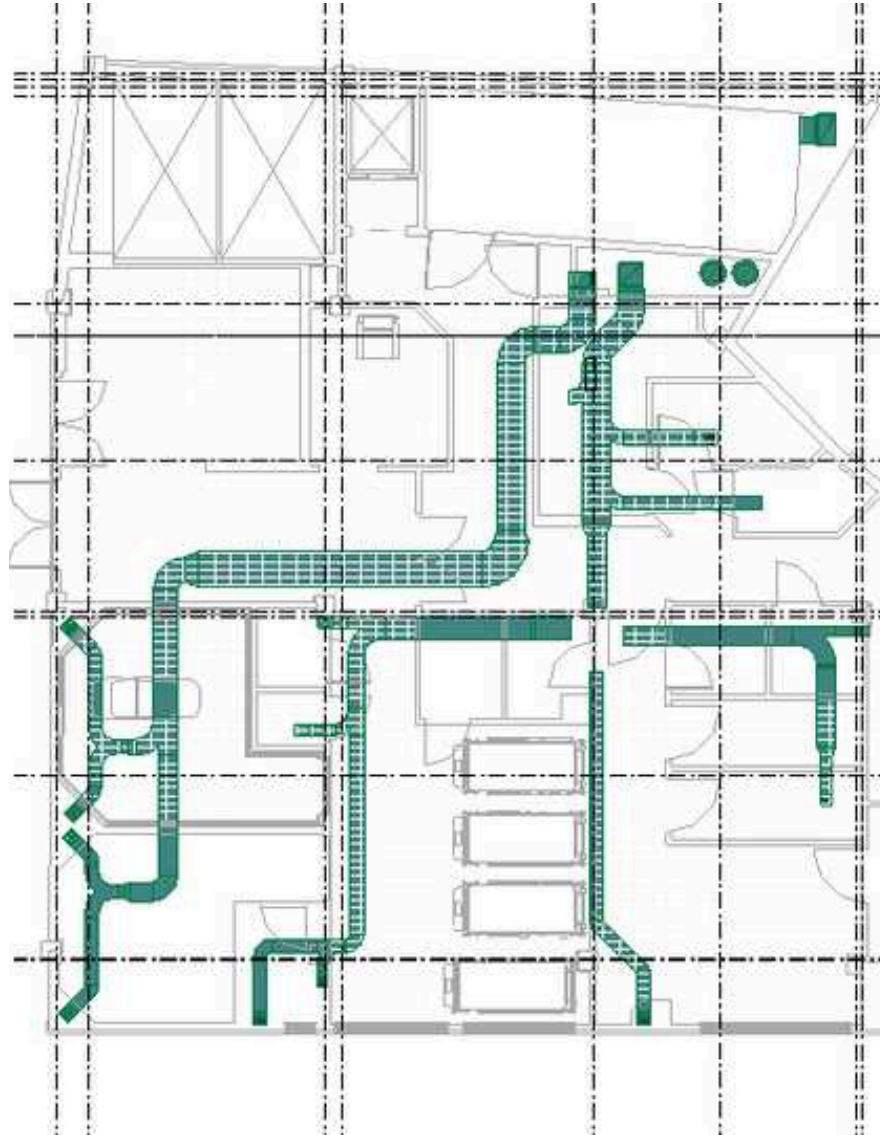


BIM Manager
Rezvan Azizi

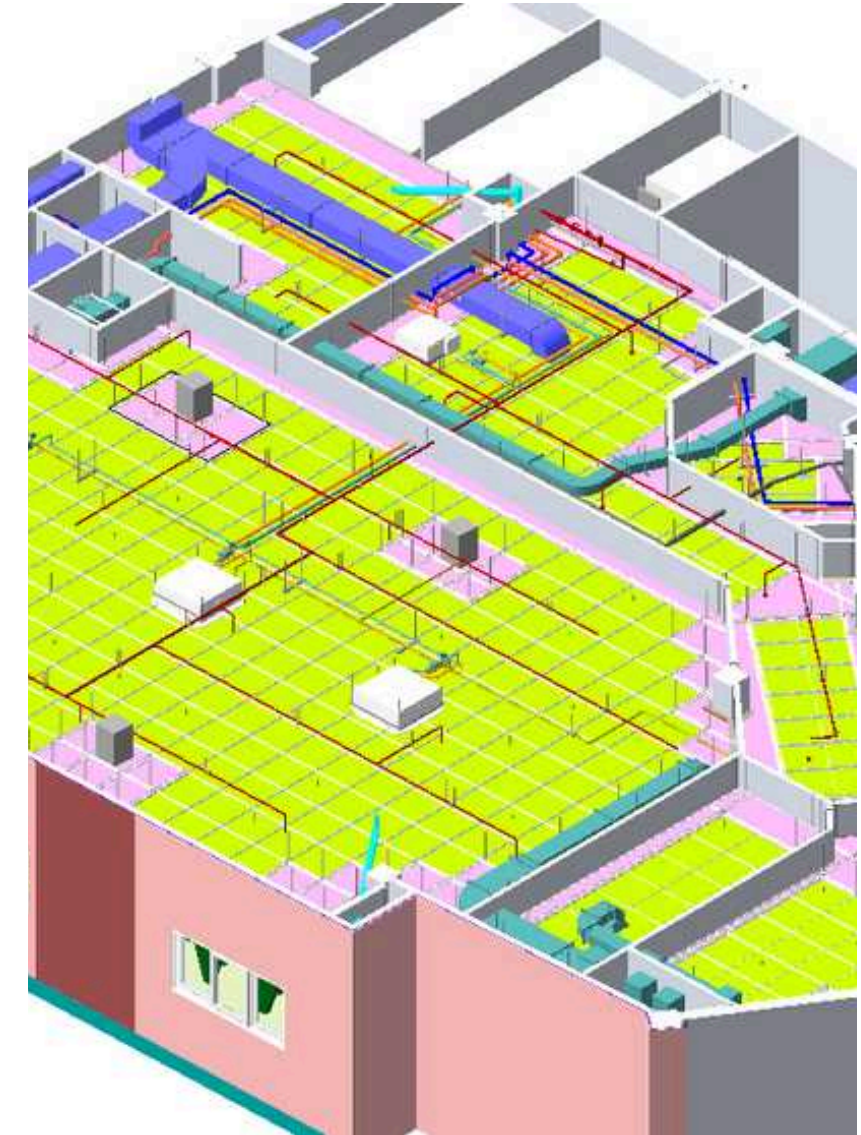
Second Phase of Iranmehr Hospital Development



- Mechanical discipline separated by different systems
- 3D model of the exhaust system



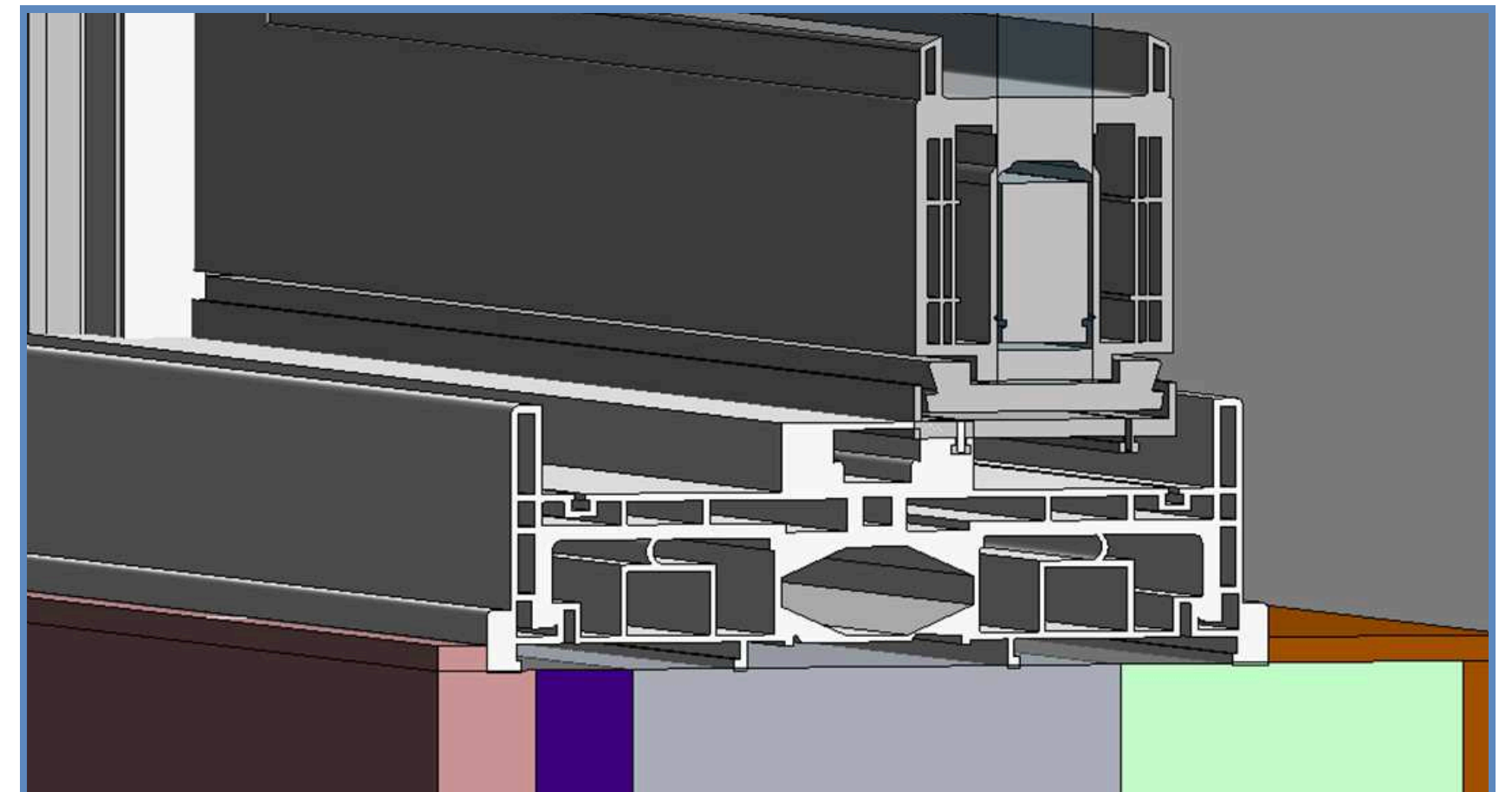
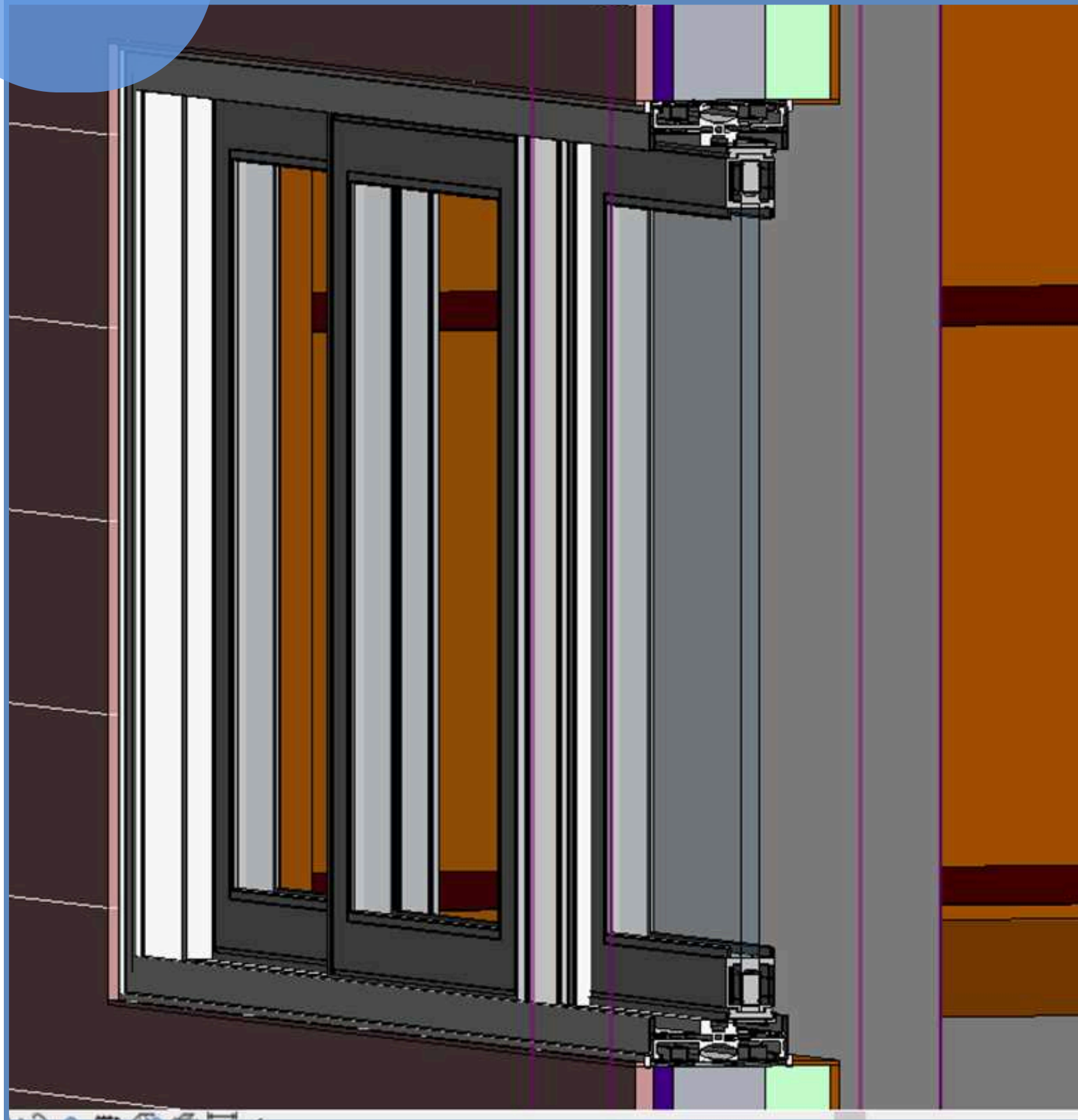
- Exhaust system in one of the floors, shown in the plan



- 3D model of mechanical and architectural systems for 7th floor
- LOD 350, detailed precision
- Full integration of architectural and mechanical design

Second Phase of Iranmehr Hospital Development

- Window modeling with details as per consultant's drawings
- Sliding window with all connections
- Integration with façade and interior finishes, following consultant's details

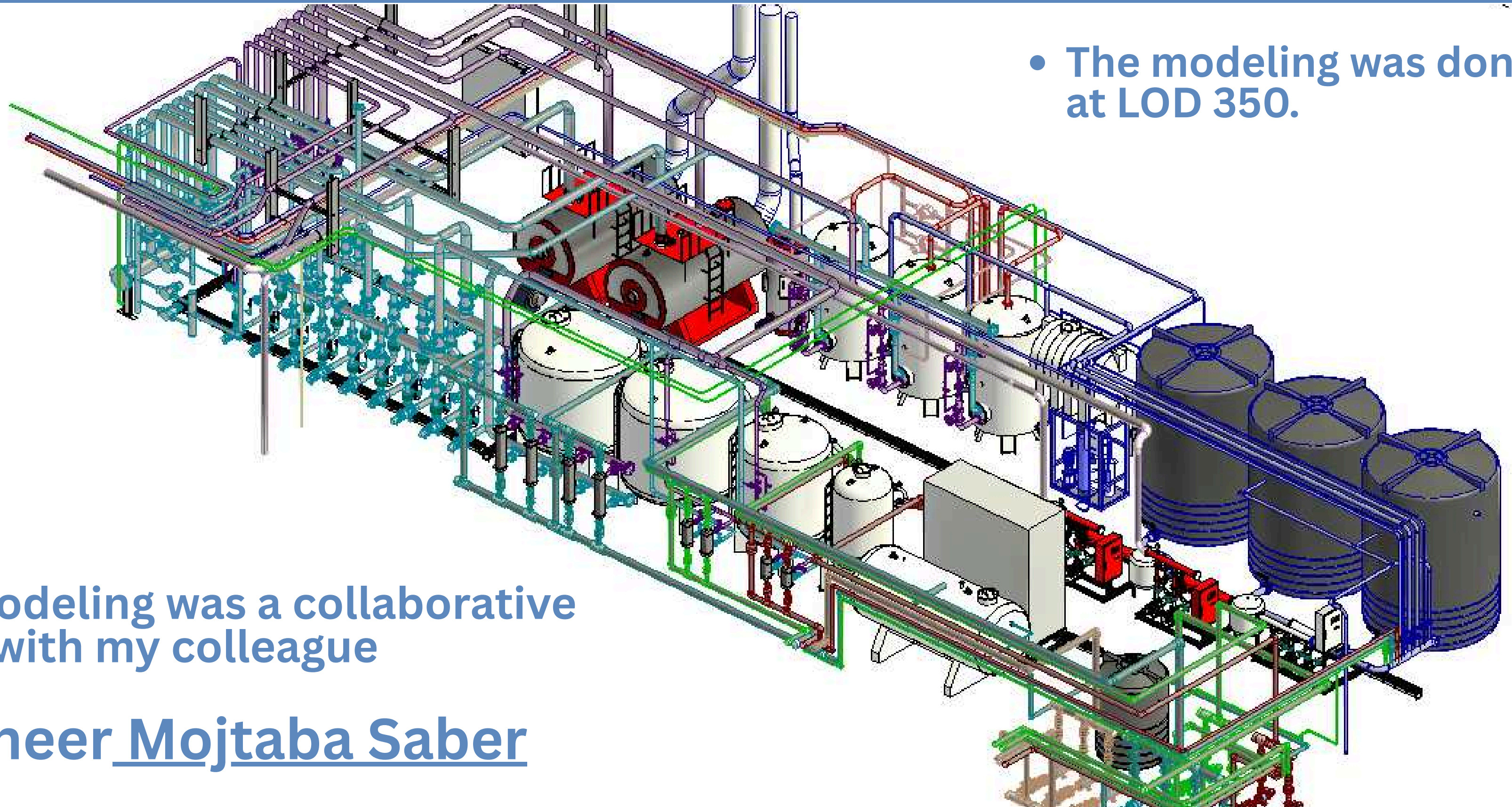




Mechanical room of the sports complex 2025

This modeling was a collaborative effort with my colleague Engineer Mojtaba Saber

- The modeling was done at LOD 350.



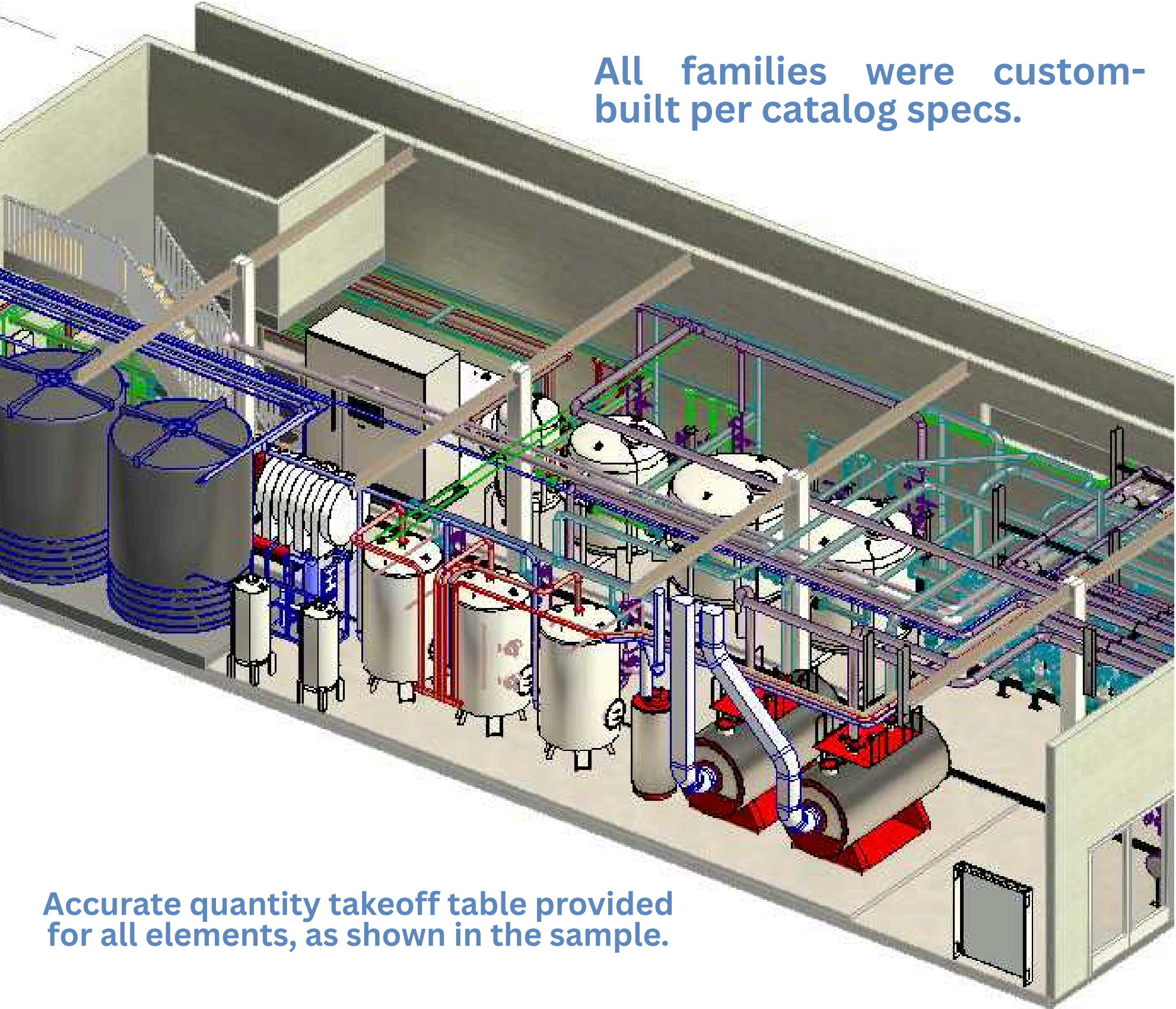
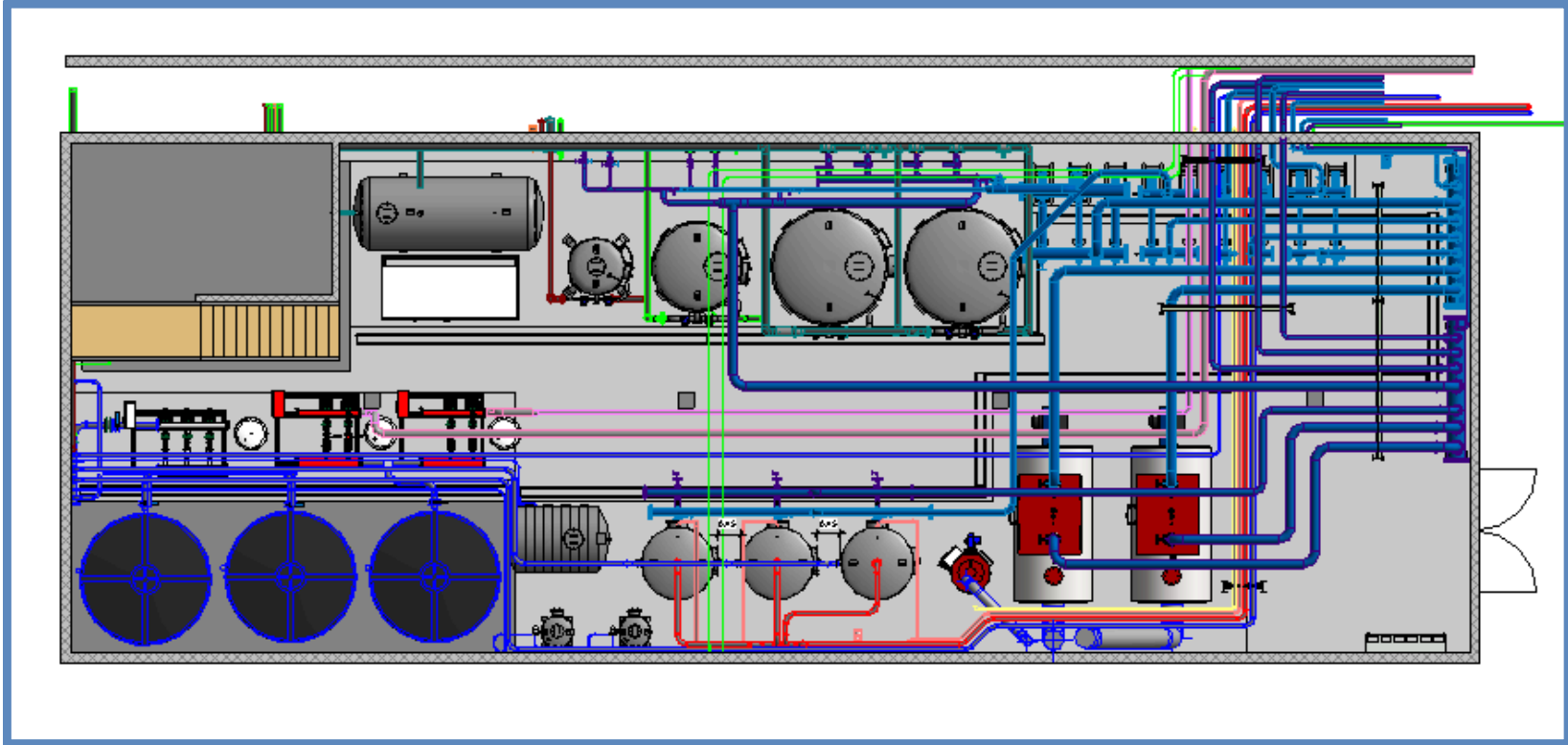
This modeling was a collaborative effort with my colleague

Engineer Mojtaba Saber



Mechanical room of the sports complex

This modeling was a collaborative effort with my colleague [Engineer Mojtaba Saber](#)



All families were custom-built per catalog specs.

<Pipe Schedule>				
A	B	C	D	E
Symbol	Size	Reference Level	Length	Family and Type
1 1/2"Ø				
Domestic Cold Water				
Domestic Cold Water	1 1/2"Ø	Mech Room	35.94	Pipe Types: Malleable Cast Iron,
Domestic Hot Water Return				
Domestic Hot Water Return	1 1/2"Ø	<varies>	38.43	Pipe Types: Malleable Cast Iron,
Soft Water				
Soft Water	1 1/2"Ø	Mech Room	10.71	Pipe Types: Malleable Cast Iron,
			85.08	

Accurate quantity takeoff table provided for all elements, as shown in the sample.

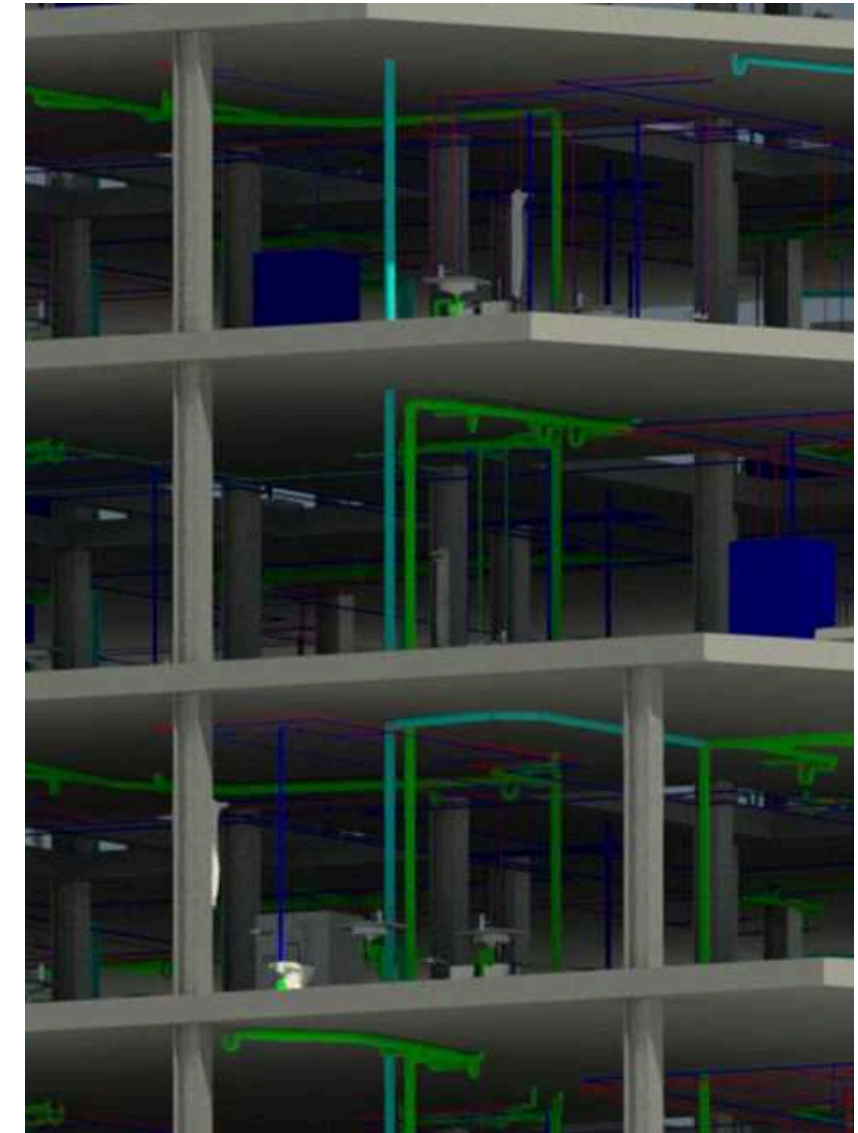
Brilliance Residential Building, Mighoon 2019



- 3D model of Phase 1 architecture
- covering 8,000 sqm.
- LOD 300

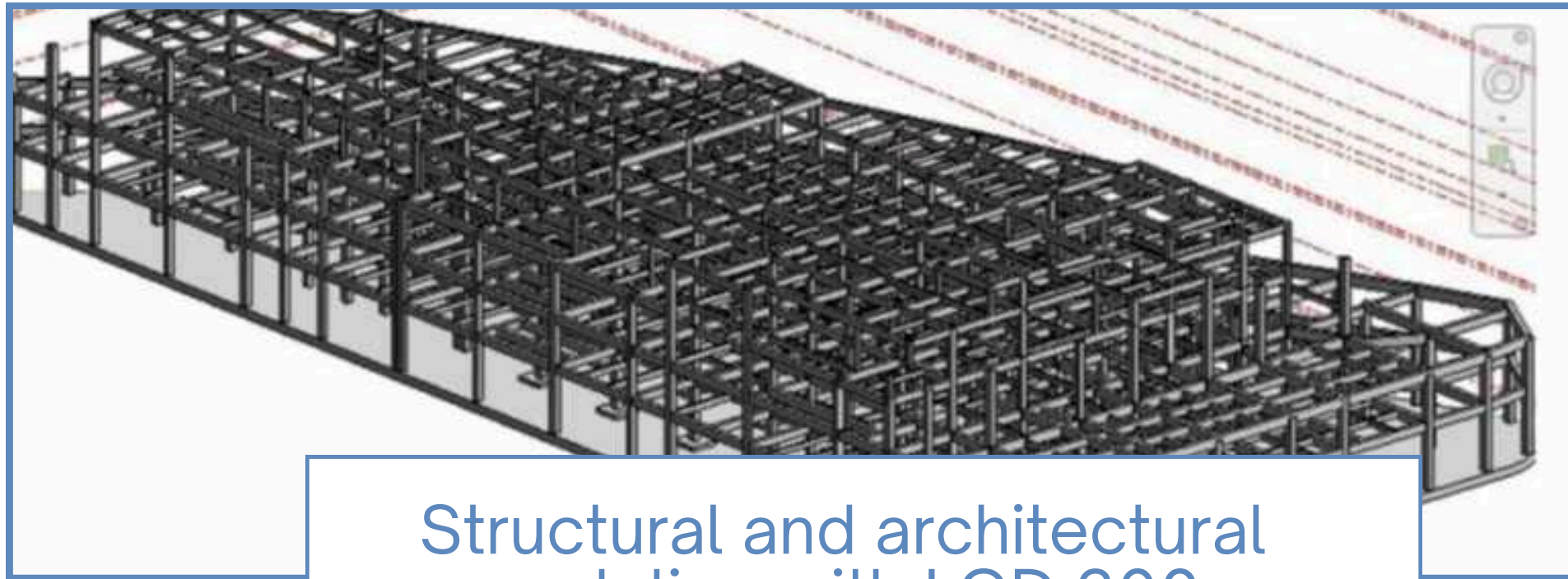


- 3D model of water supply and sewage systems
- LOD 300.

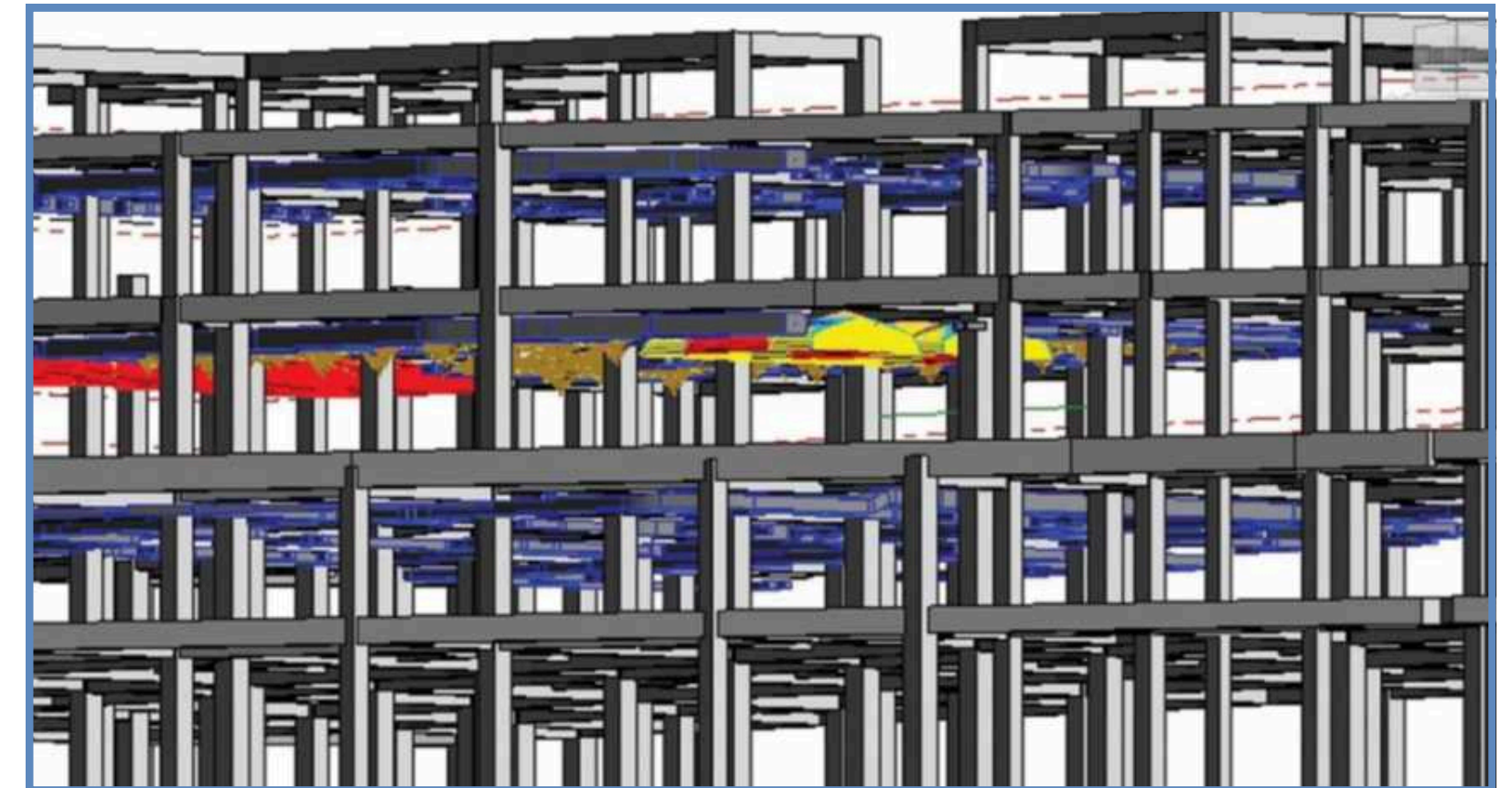


- Complex water supply and sewage systems due to non-typical wet spaces
- Modeling helped identify and resolve plumbing issues before execution

Floors of the Imam Hussein (PBUH) Shrine in Iraq 2017 - 2018

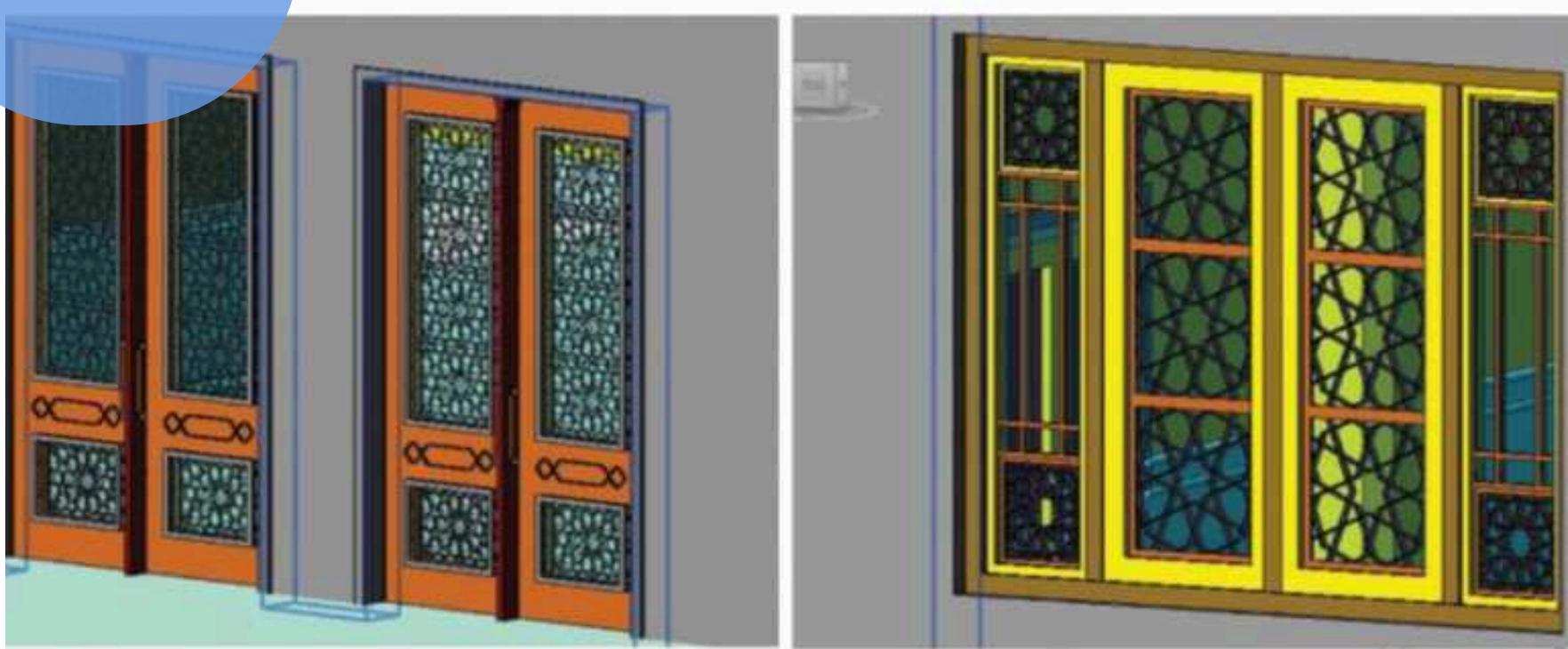


Structural and architectural
modeling with LOD 200.



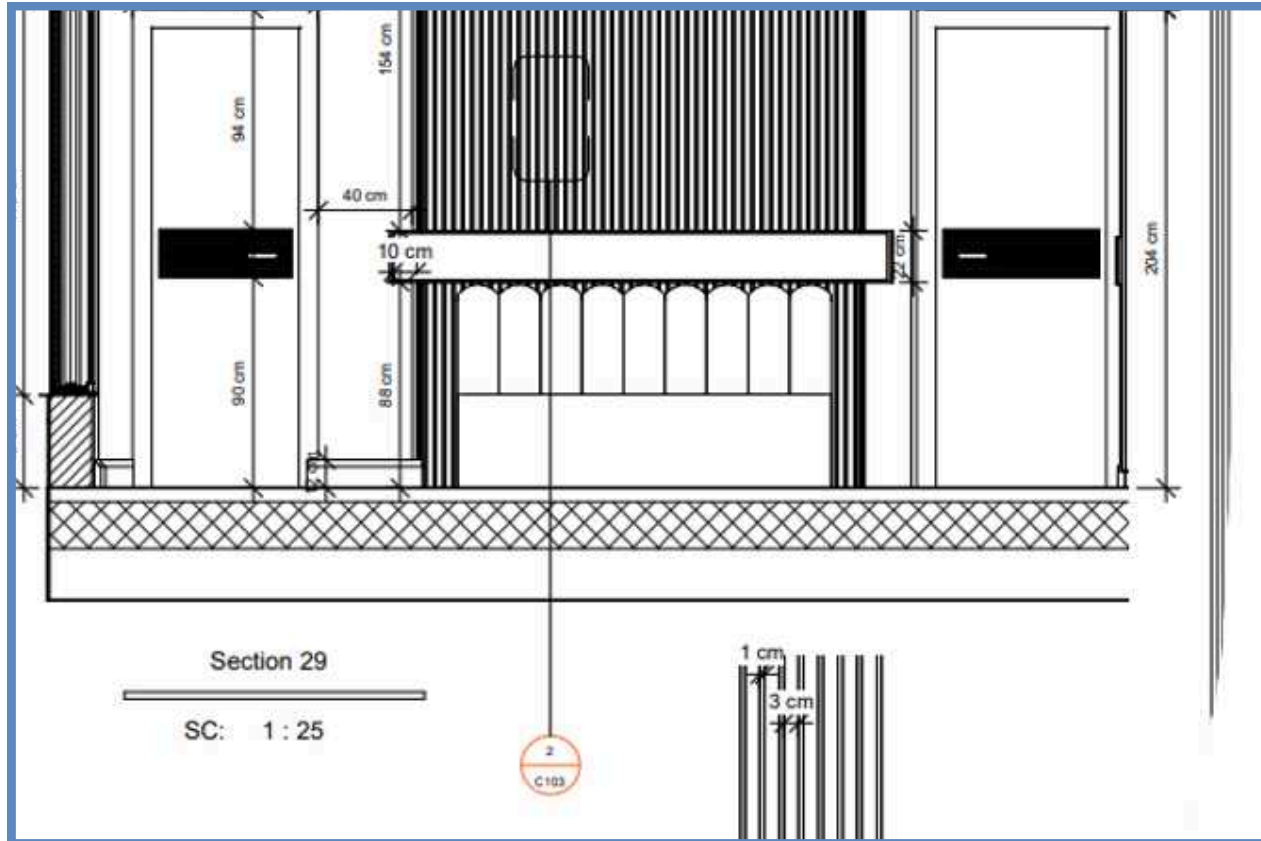
- Linking structure, mechanical systems, and muqarnas ceilings
- Identifying clashes and adjusting muqarnas ceiling details during design phase

Floors of the Imam Hussein (PBUH) Shrine in Iraq 2017 - 2018

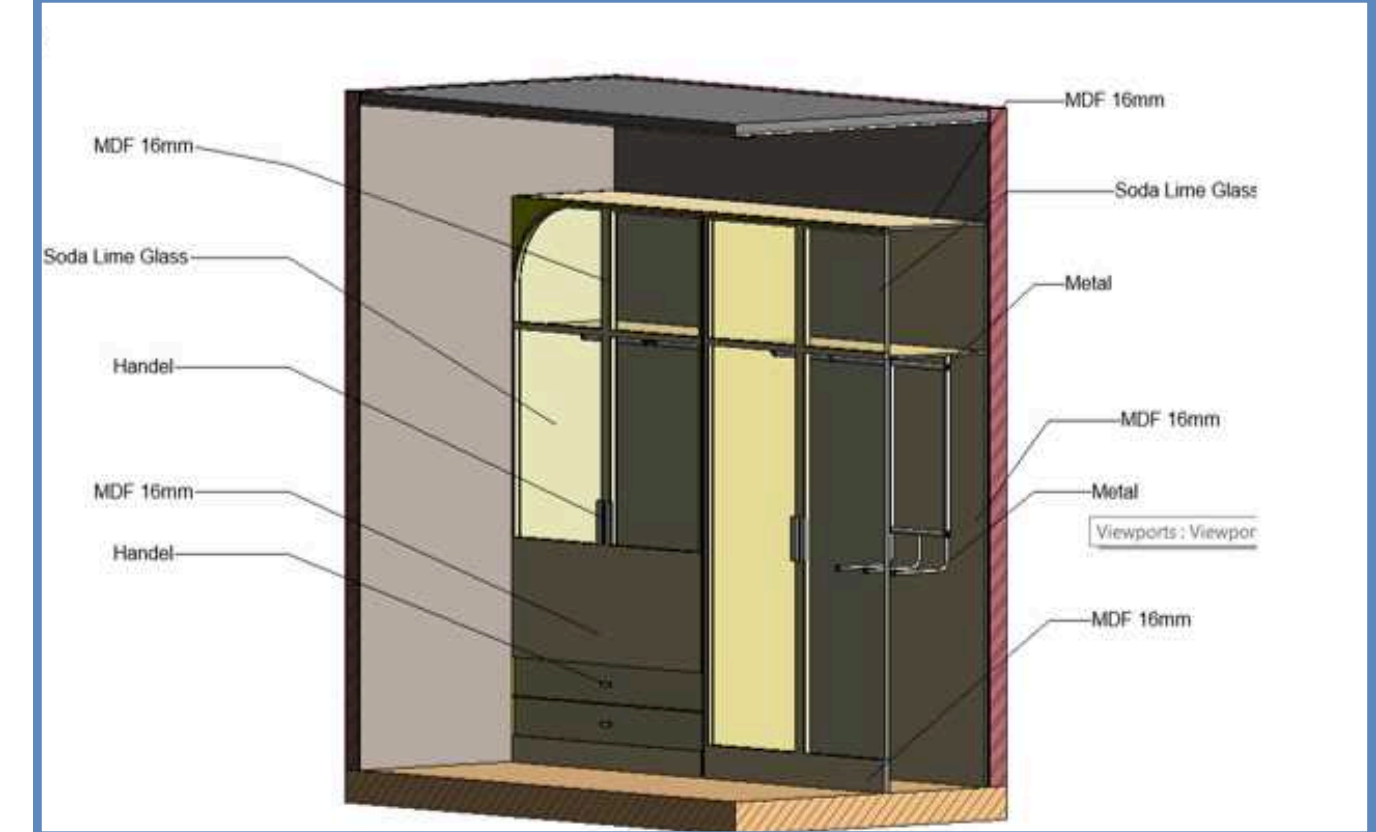


- Detailed modeling of door/window lattice work and Islamic geometric design.
- Interior architectural modeling with high detail to achieve accurate height for placing muqarnas.

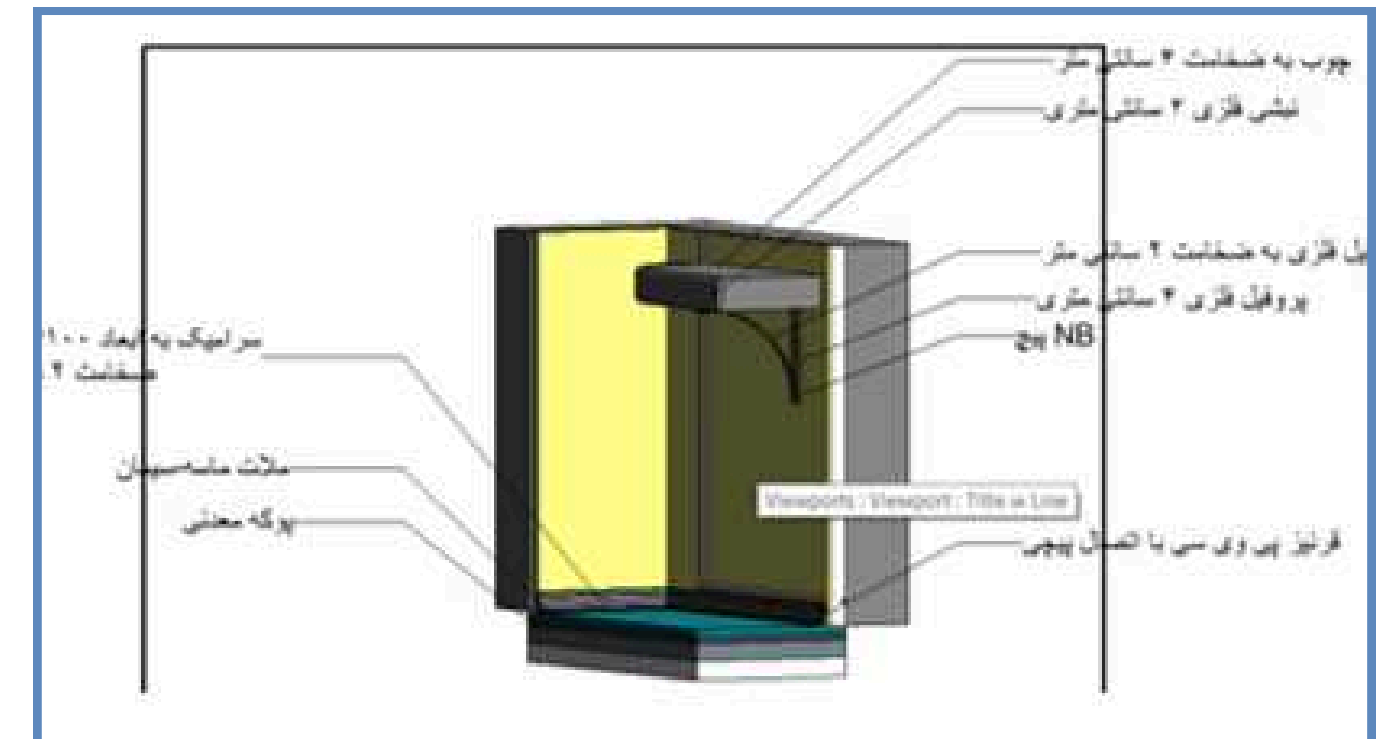
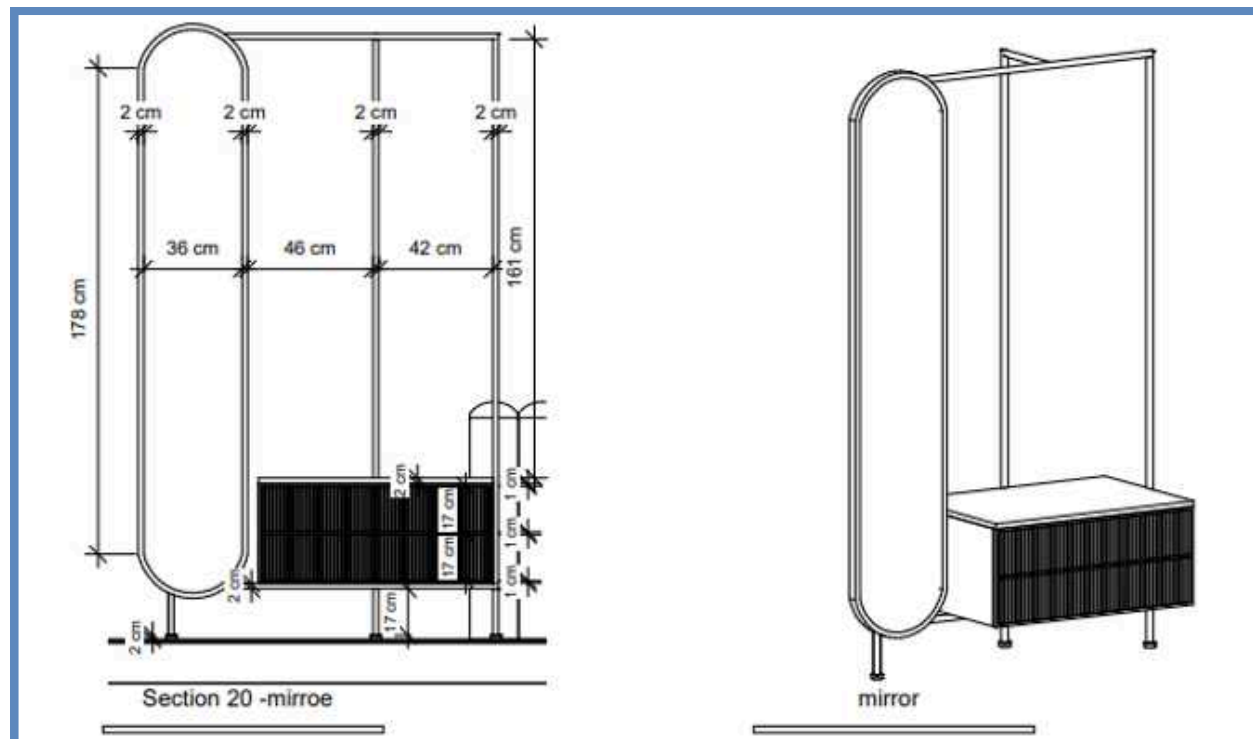
Modeling of interior architectural details and furniture 2019



- Demonstrating advanced modeling capabilities for efficient implementation
- Interior architecture modeling with high precision

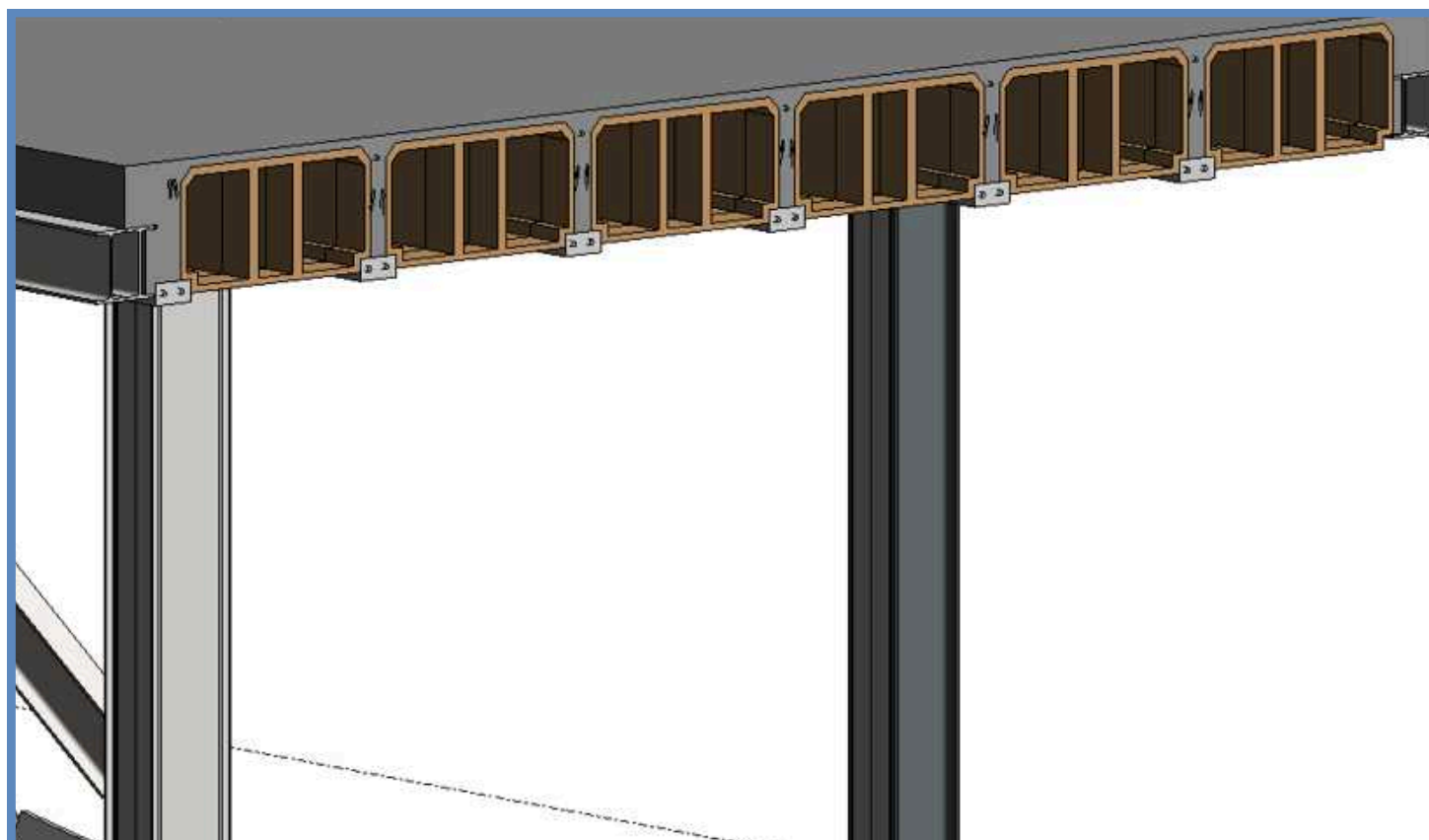


- Furniture and elements designed for CNC cutting
- Optimized for seamless execution and production



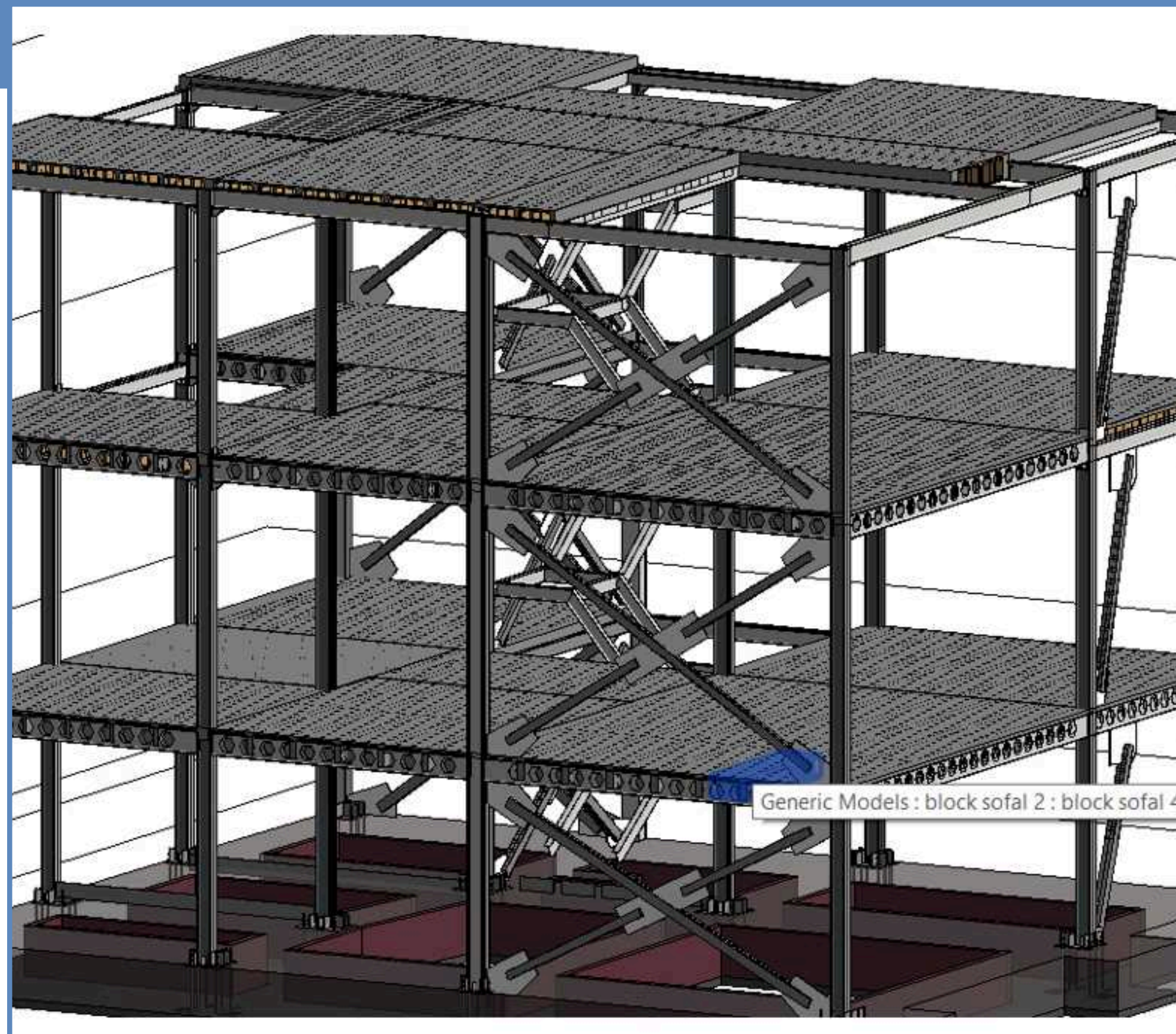


Modeling of steel structure 2019



Detailed modeling of all
metal structure
connections

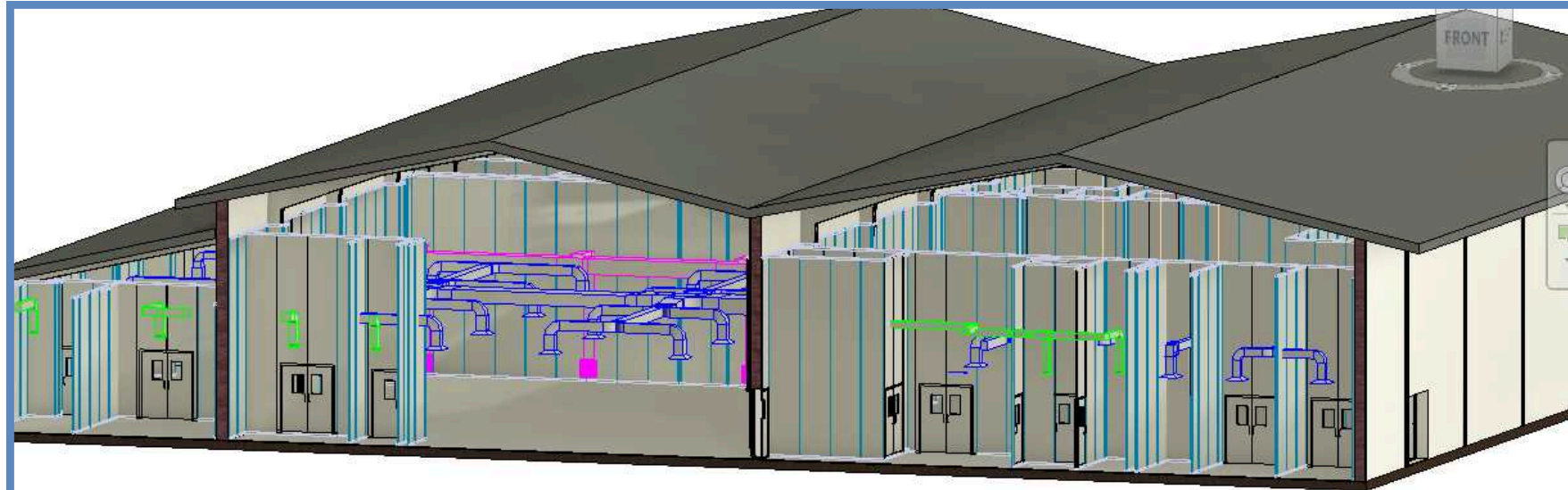
LOD 350



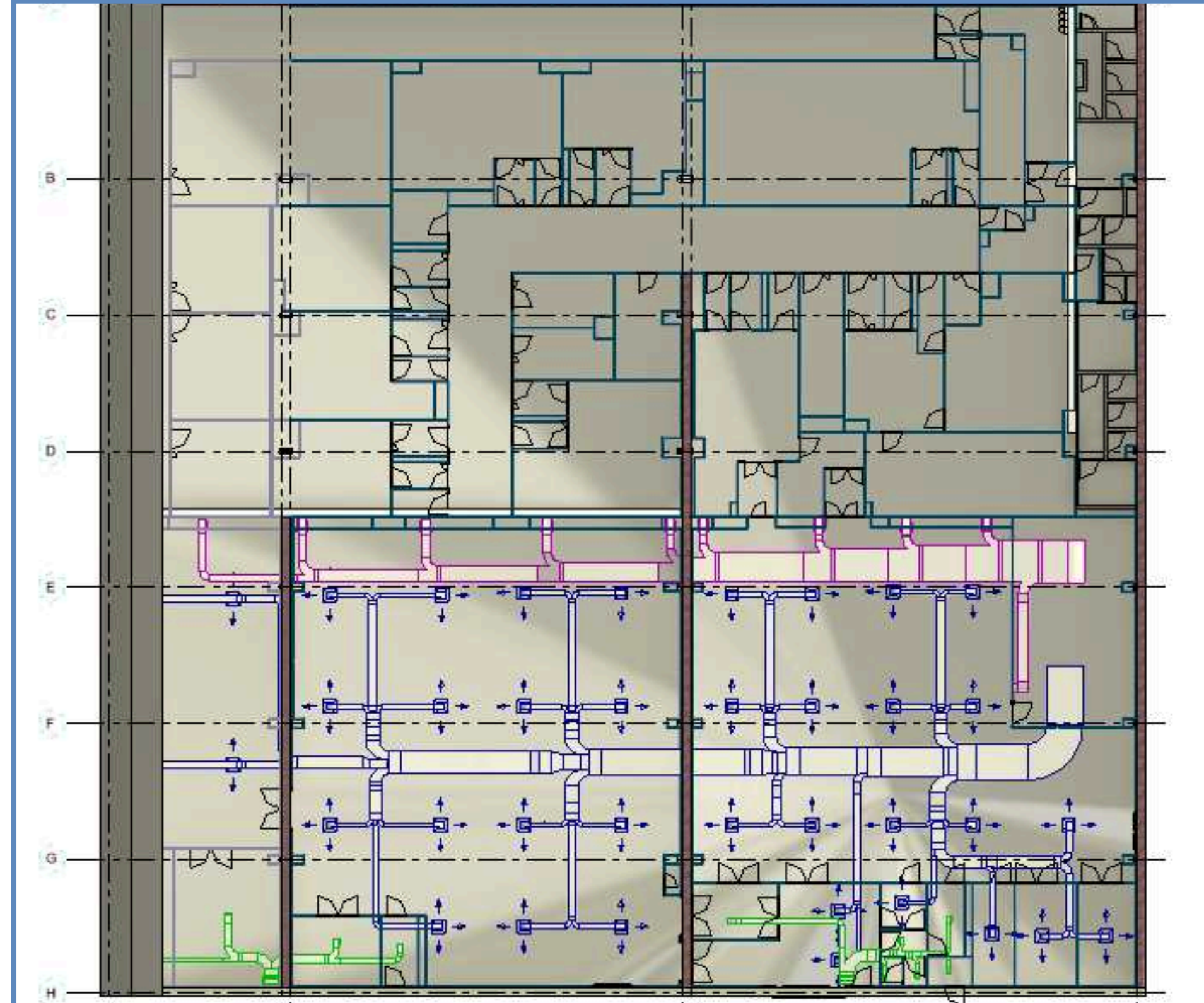


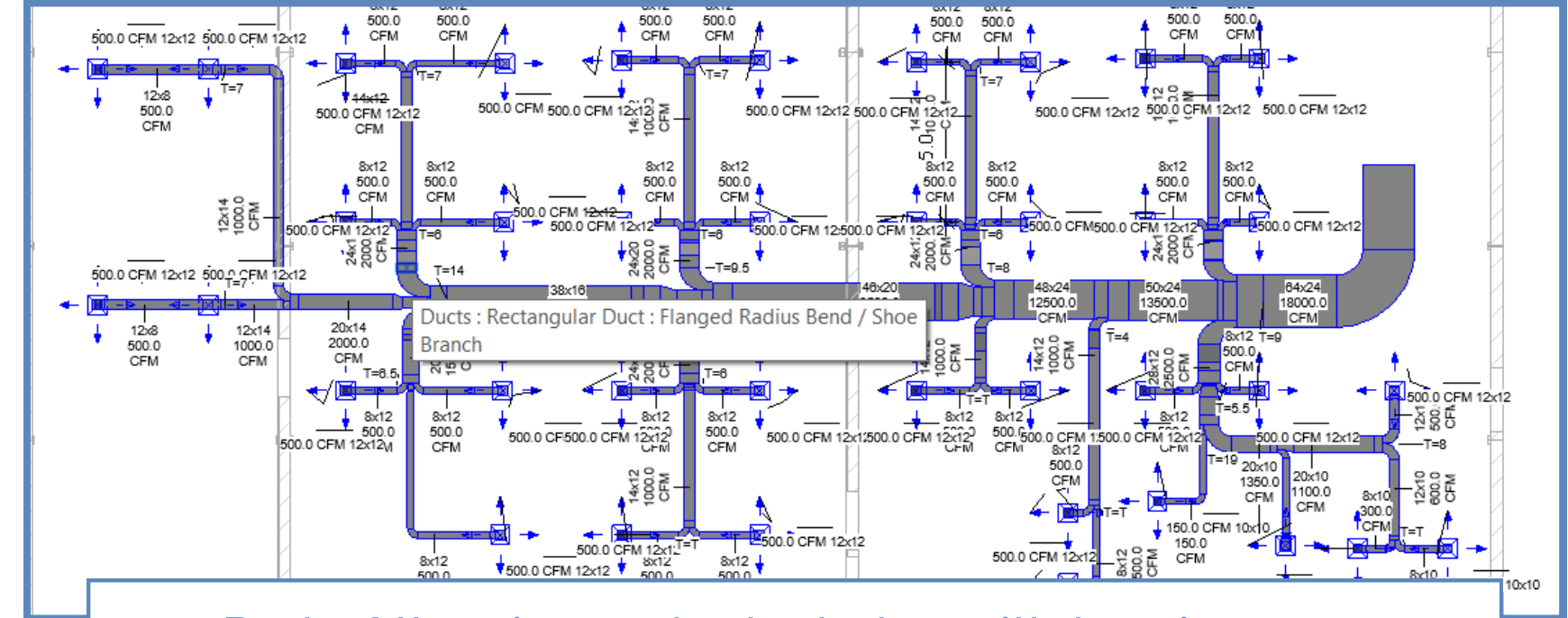
Pharmaceutical factory in Afghanistan 2022

This modeling was a collaborative effort with my colleague Engineer Mojtaba Saber



Architectural and MEP modeling at
LOD 300



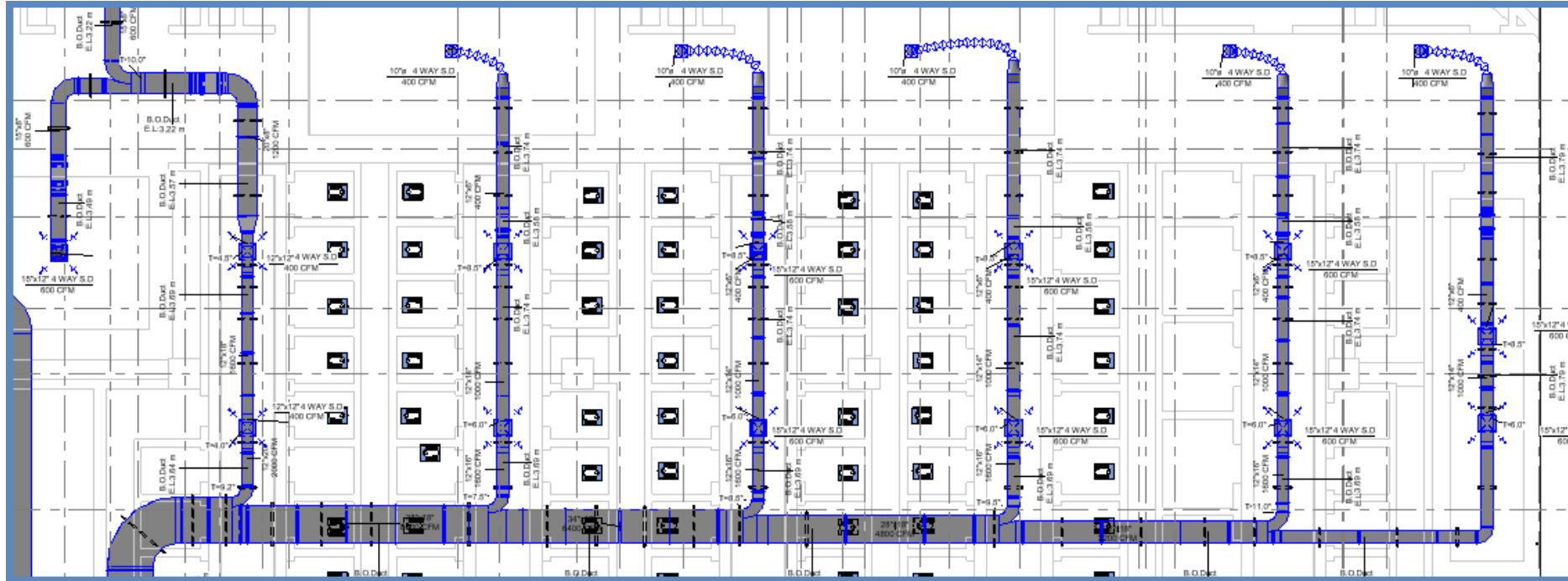


- | <Conduit Schedule> | | |
|---|------------|----------|
| A | B | C |
| Family and Type | Length | Size |
| Conduit without Fittings: 3PH- Conduit- (RNC Sch 40) | 1269.93 cm | 1.60 cmø |
| 1269.93 cm: 1 | 1269.93 cm | |
| Conduit without Fittings: ENTERNET- Conduit- (RNC Sch 40) | 1276.98 cm | 1.60 cmø |
| 1276.98 cm: 1 | 1276.98 cm | |
| Conduit without Fittings: lighting- Conduit- (RNC Sch 40) | 1309.16 cm | 1.60 cmø |
| 1309.16 cm: 1 | 1309.16 cm | |
| Conduit without Fittings: lighting- Conduit- (RNC Sch 40) | 1328.66 cm | 1.60 cmø |
| 1328.66 cm: 1 | 1328.66 cm | |
| Conduit without Fittings: lighting- Conduit- (RNC Sch 40) | 1339.66 cm | 1.60 cmø |



Floors of the Imam Hussein (PBUH) Shrine in Iraq 2022-2023

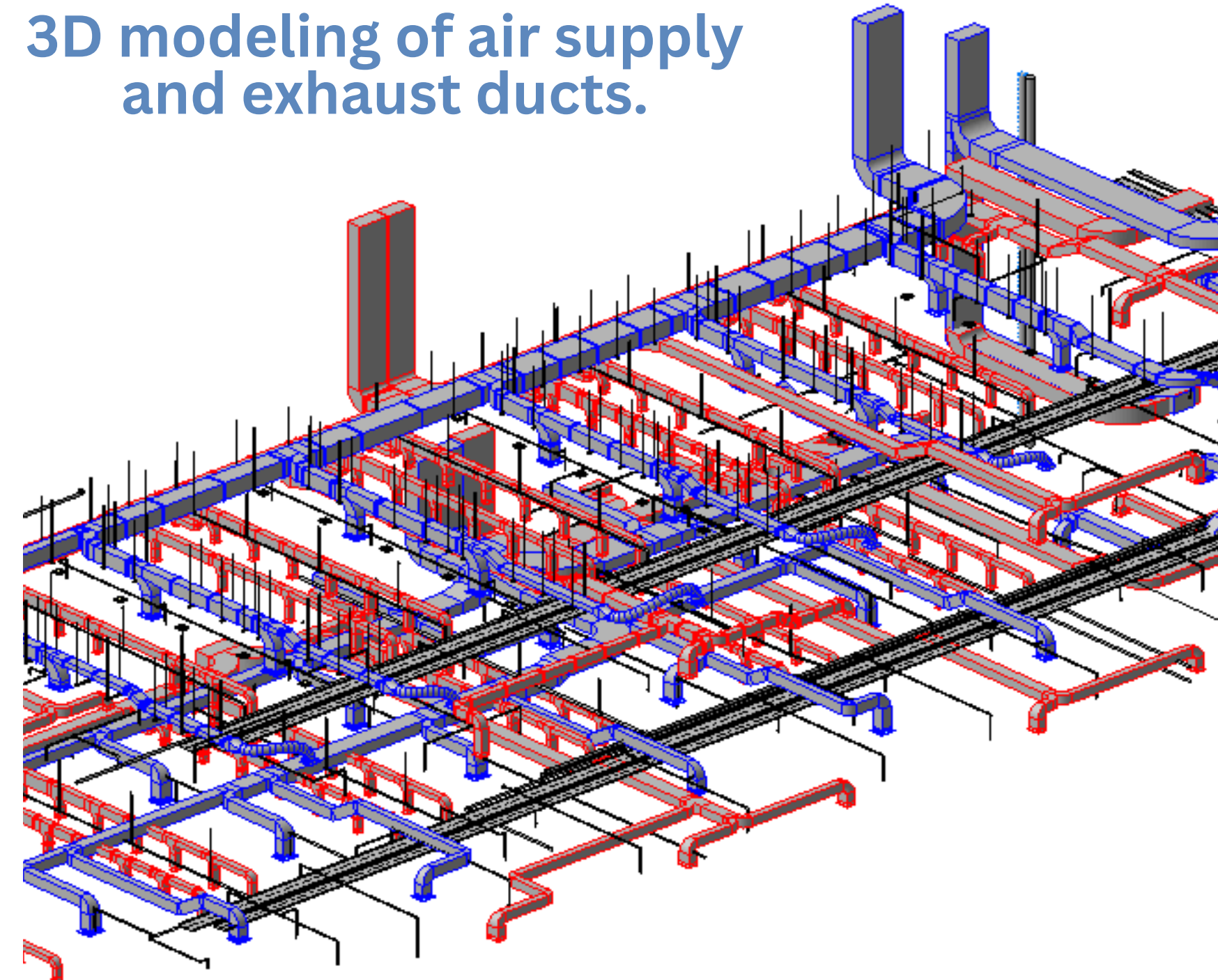
A major part of this project was led by my colleague, Engineer Mojtaba Saber, and I contributed as part of the team



Plan of air supply and exhaust ducts with tagging.



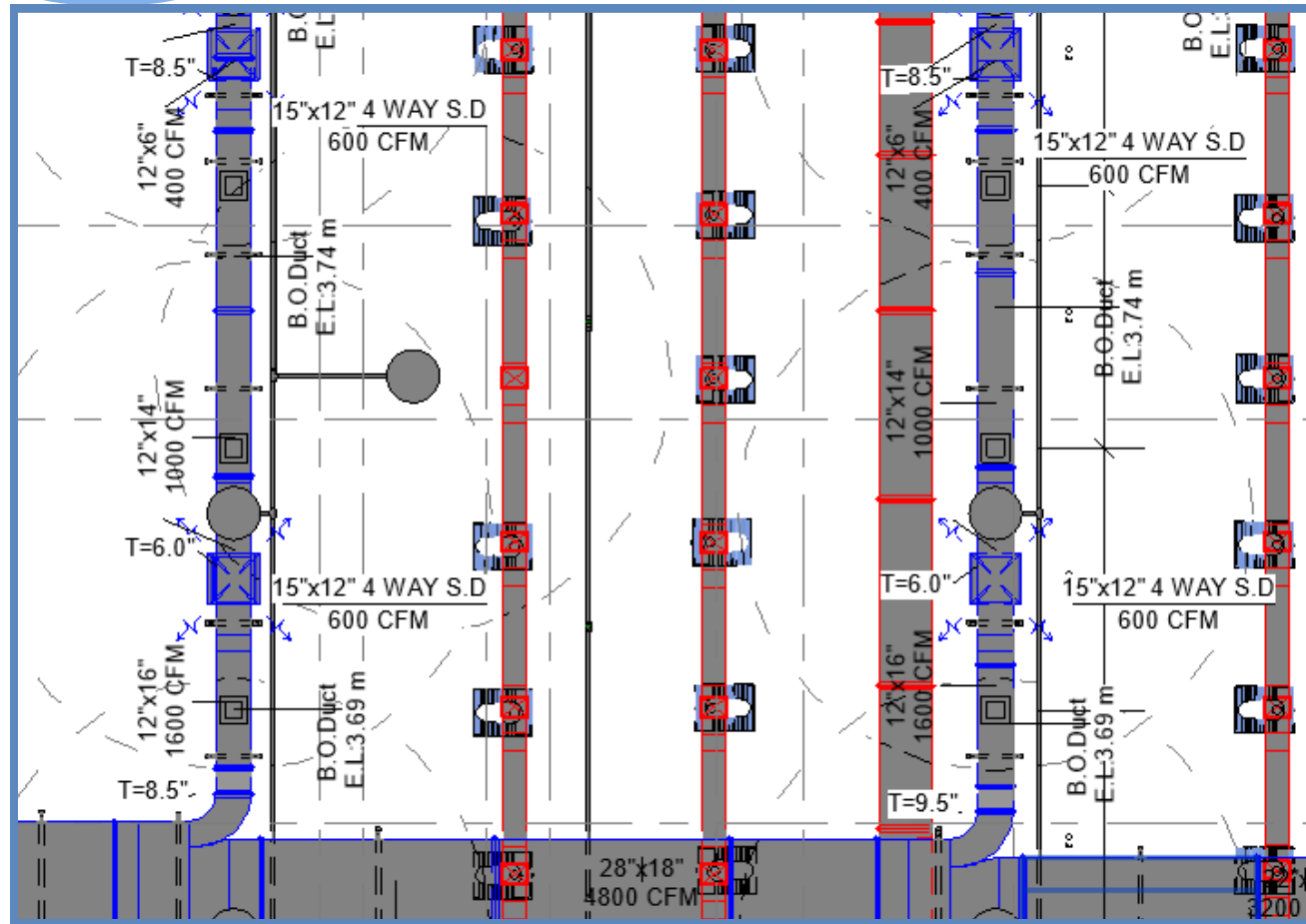
3D modeling of air supply and exhaust ducts.



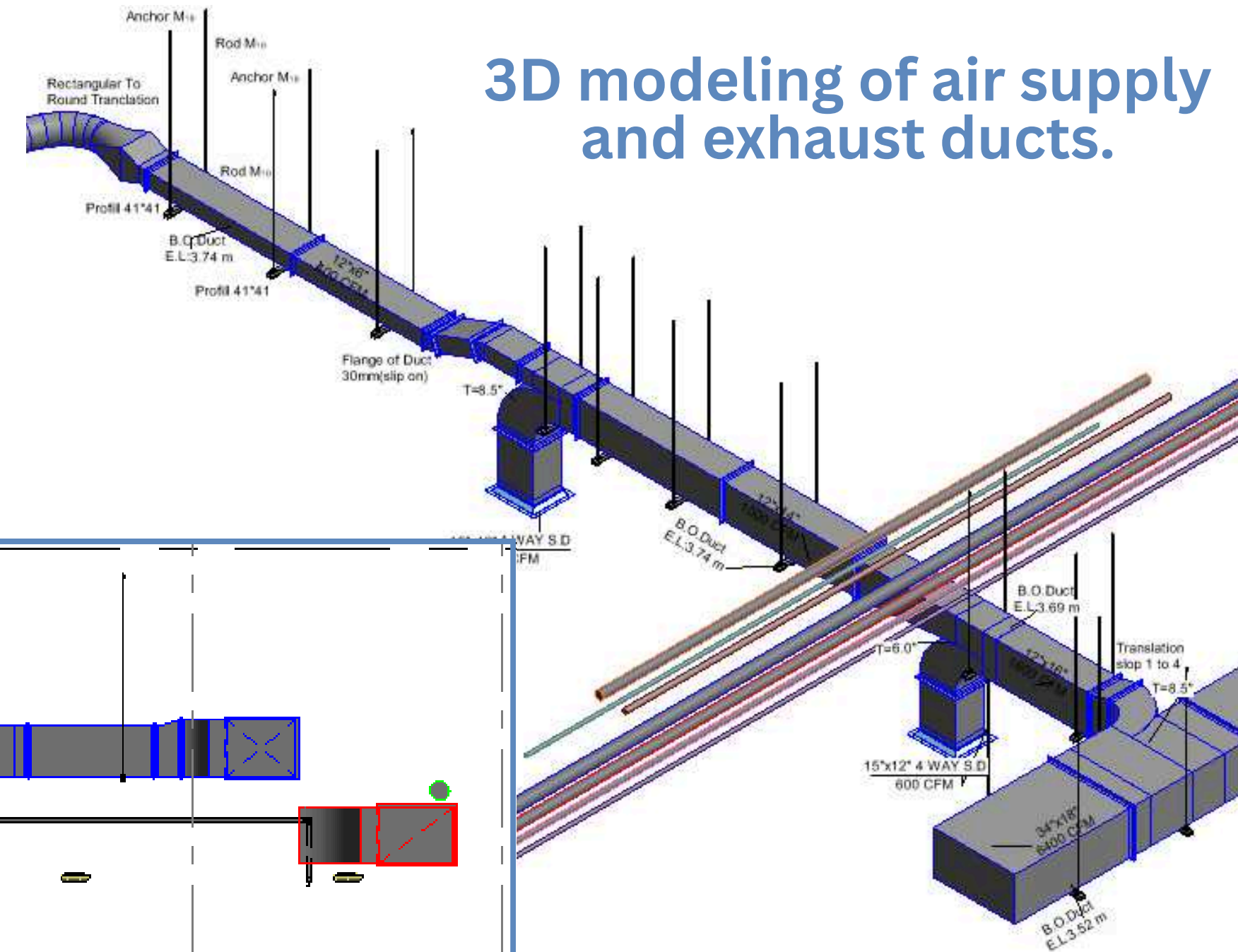


Floors of the Imam Hussein (PBUH) Shrine in Iraq 2022-2023

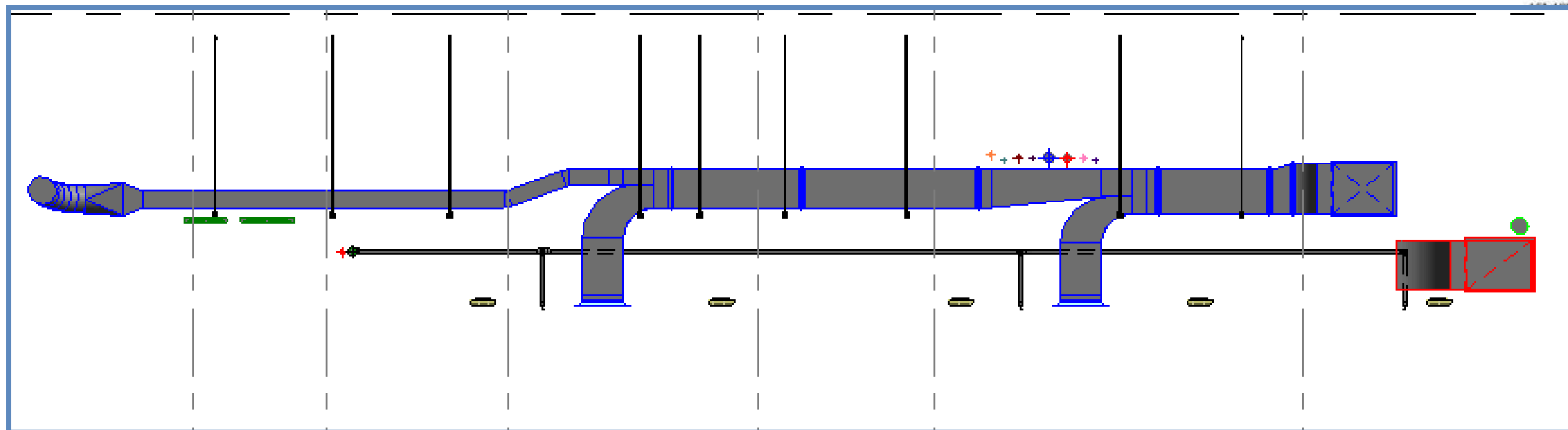
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Plan of air supply and exhaust ducts with tagging.



3D modeling of air supply and exhaust ducts.

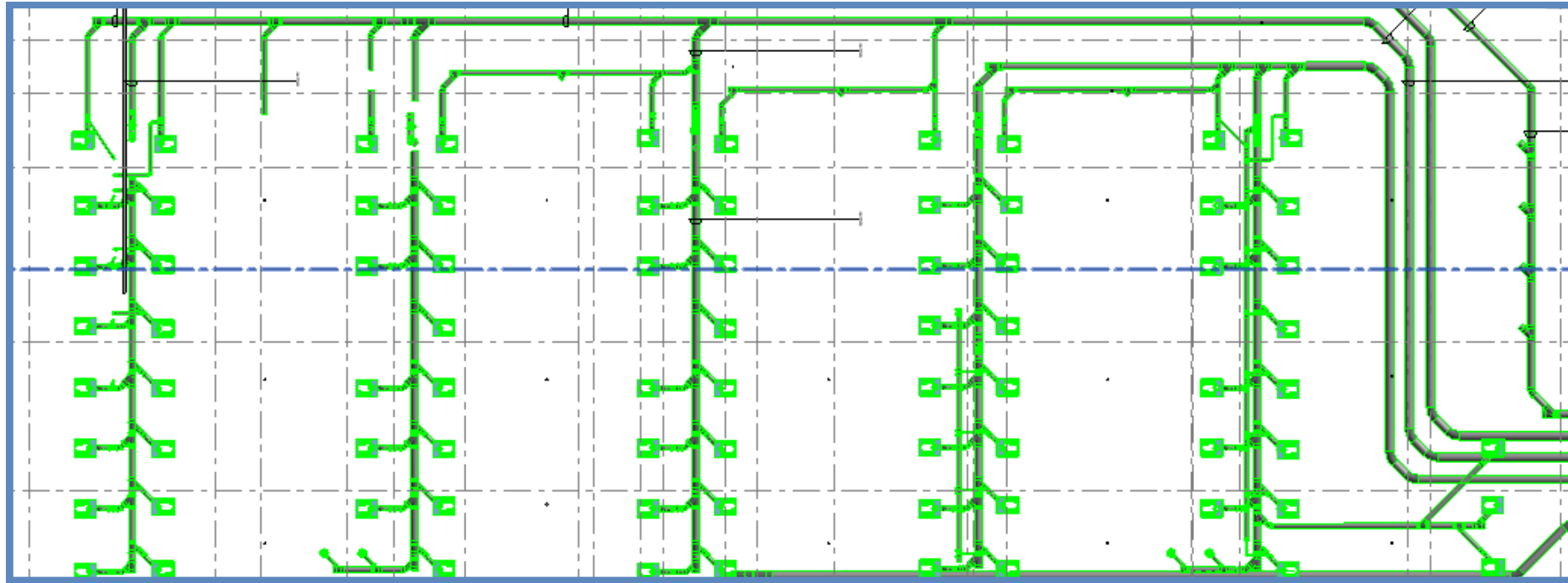




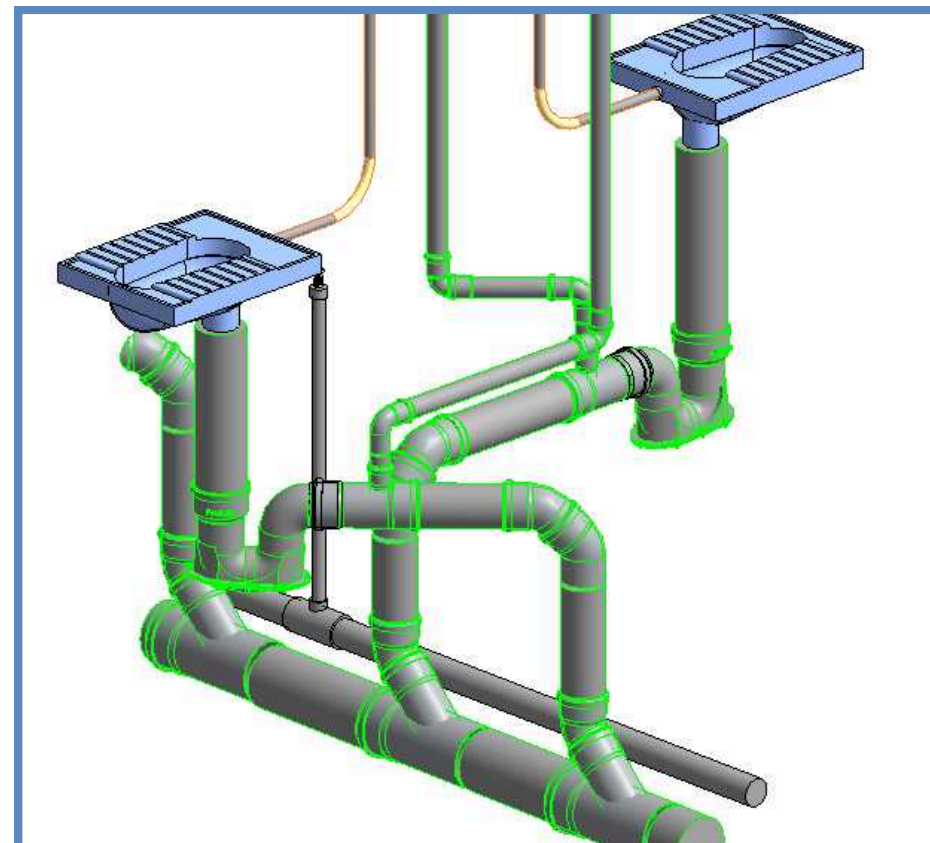
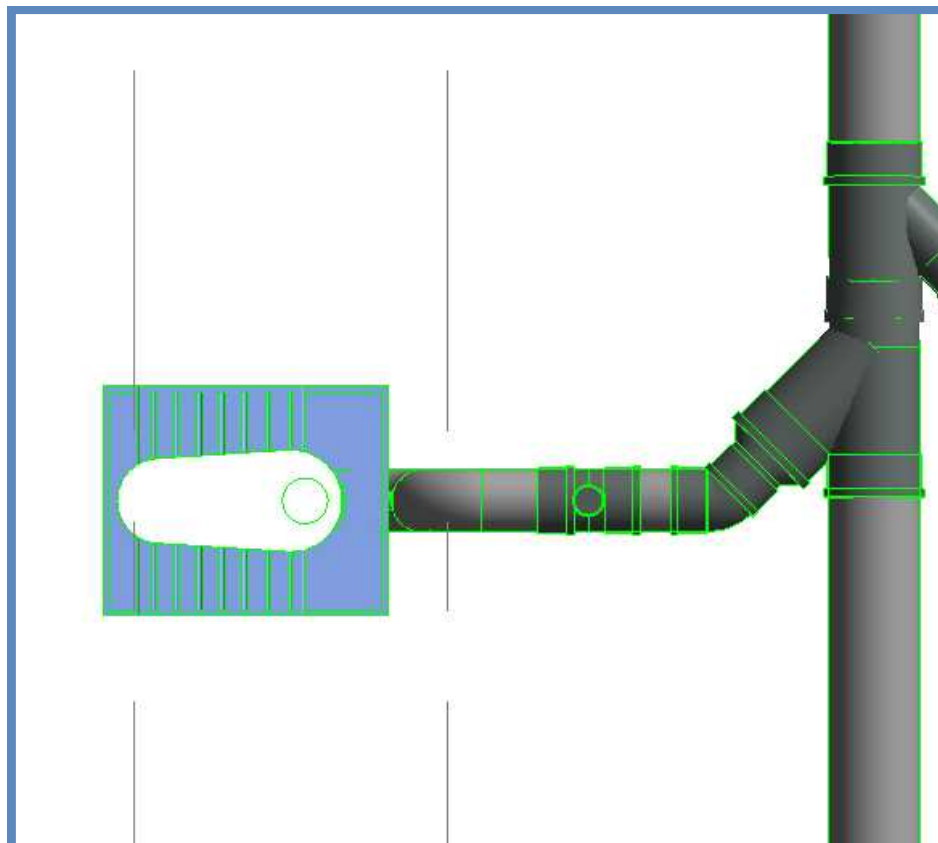
Floors of the Imam Hussein (PBUH) Shrine in Iraq

2022-2023

A major part of this project was led by my colleague, Engineer Mojtaba Saber, and I contributed as part of the team



- Modeling 140 squat toilets
- 3D modeling of sewage and water supply systems
- Sewage plan section for one floor
- Close-up of squat toilet connections
- **Slope management challenge in modeling**





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