
PORTFOLIO
BUILDING INFORMATION
MODELING (BIM)
AIM INTEGRATED DESIGN
AIM INTEGRATED DESIGN



ABOUT US

AIM Integrated Design is a multidisciplinary vanguard bridging visionary conceptualization and operational reality. We engineer data-rich, build-ready solutions, synthesizing "integration without limits" into high-performance environments for global hospitality and healthcare.

Our practice asserts that unity catalyzes efficiency. By fusing Operational Intelligence with Technical Rigor, we leverage advanced building information modeling (BIM) to neutralize risk and ensure ergonomic precision. This synthesis ensures Future-Ready Scalability, delivering adaptable architectural ecosystems engineered to evolve alongside emerging technologies.

As Architects of Synchronization, we provide a unified nexus where architecture, engineering, and technology converge. Forged in precision and global adaptability, AIM is the definitive partner for stakeholders demanding innovative, high-velocity, and hyper-efficient built environments.

OUR MISSION

1. Objective

To pioneer an "integration without limits" philosophy by synchronizing architecture, engineering, and technology into a unified, high-performance design ecosystem.

2. Direction

To evolve into a singular collaborative platform that redefines industry standards through intelligent, data-driven BIM workflows and seamless multidisciplinary execution.

3. Guiding Principles

We anchor our practice in technical precision, operational ergonomics, and uncompromising international compliance to ensure every project achieves peak efficiency.

4. Global Experience

Our portfolio spans diverse international sectors, navigating complex regulatory landscapes to deliver world-class design solutions across hospitality, commercial, and industrial markets.



OUR VISION

Future Aspiration

To architect a borderless, intelligent ecosystem where design, engineering, and construction converge into a singular, unified platform of innovation.

Strategic Outlook

To leverage advanced building information modeling (BIM)-centric workflows and multidisciplinary integration as the catalyst for smarter, data-driven, and hyper-efficient built environments.

Collective Dream

To dissolve industry silos by fostering a global collaborative culture where technology and human expertise harmonize to deliver limitless design possibilities.

OUR SERVICES

- KITCHEN DESIGN
- ARCHITECTURAL AND INTERIOR DESIGN
- BUILDING INFORMATION MODELING (BIM)
- FLOOR PLANNING



WHY US

AIM Integrated Design HAS THE unrivaled ability to bridge the gap between visionary conceptualization and operational reality through "integration without limits." We provide a unified nexus where architecture, engineering, and technology converge, leveraging Technical Rigor and advanced building information modeling (BIM) to neutralize project risk before it reaches the site. By synthesizing Operational Intelligence with Future-Ready Scalability, we deliver high-performance, data-rich environments engineered for ergonomic precision and long-term technological evolution. Partner with us to transform complex design into a seamless, hyper-efficient, and build-ready asset.

SOFTWARE TECHNICALITY



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1

UAE

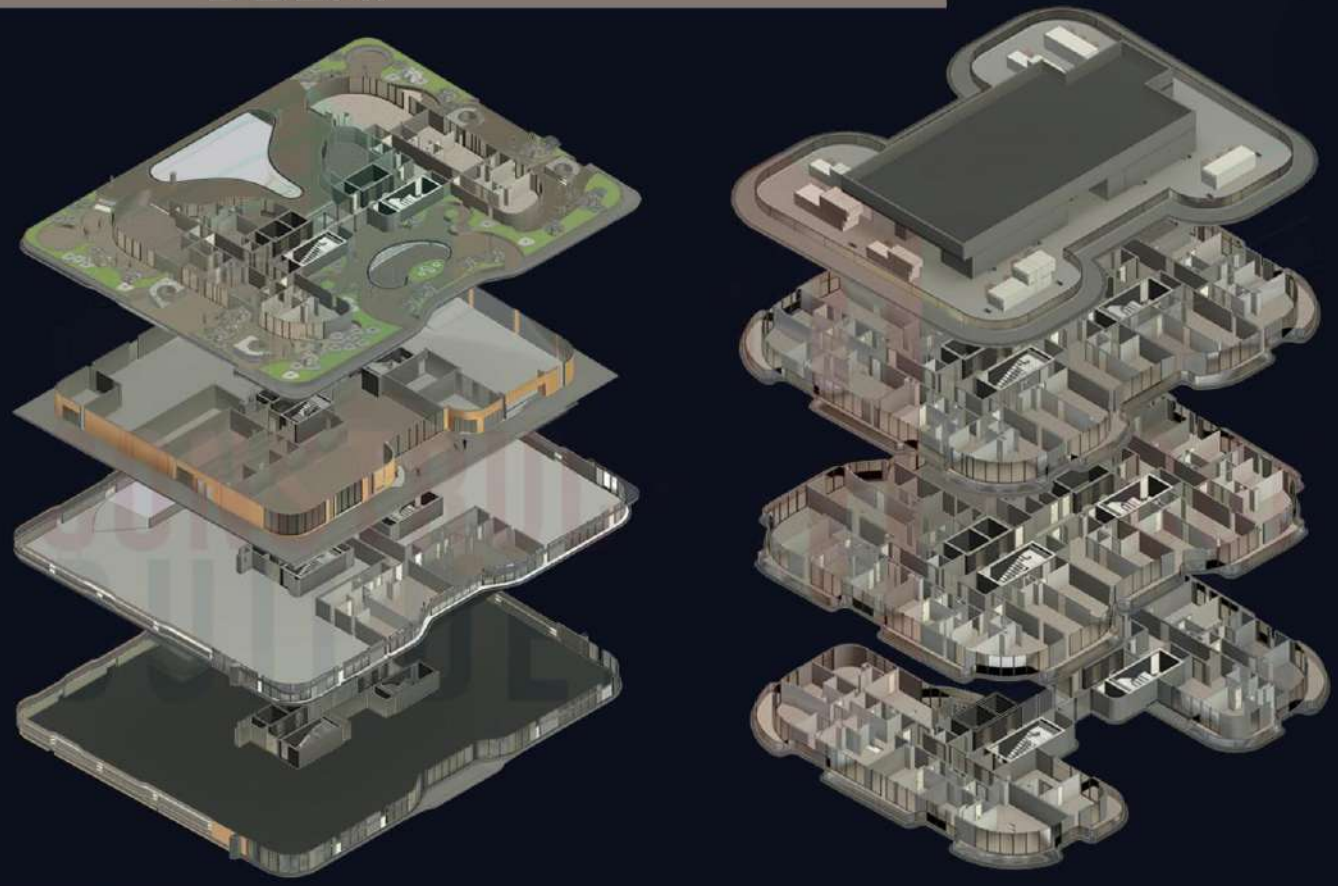
UNITED ARAB EMIRATES

1-Coral – Next Group Residential Building
Dubai



Project Type: Commercial Building with Post Tensioned Structural System
Structure Type: Reinforced Concrete with Post Tensioned (PT) Slabs and Foundations (Piles & Pile caps)
Level of Detail (LOD): 350 (Detailed Modelling and Tender Documentation Stage)

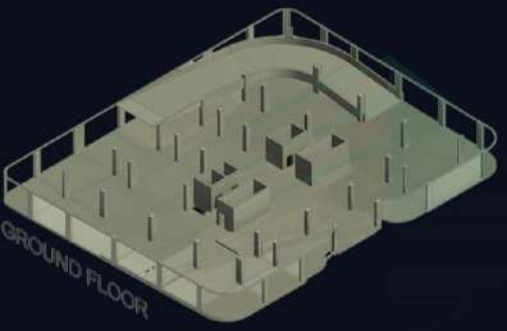
1-Coral – Next Group Residential Building Dubai

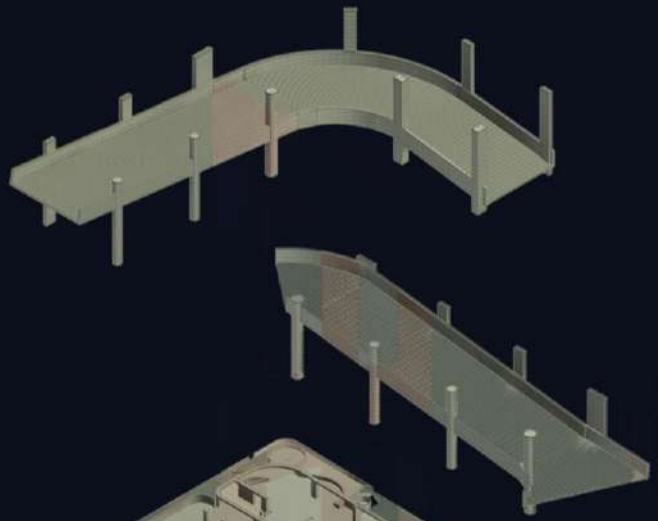


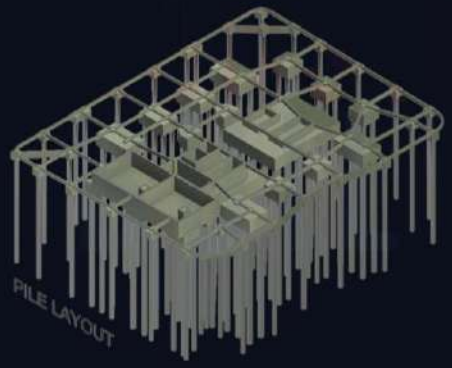
Project Description

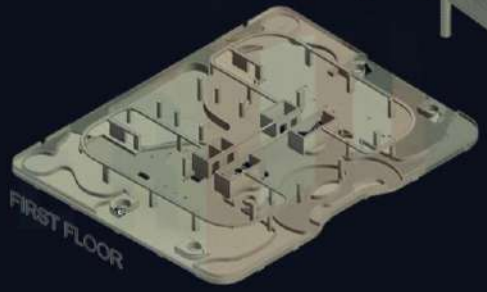
This commercial building located in Dubai, features a specialized structural system composed of reinforced concrete pile foundations and advanced post tensioned (PT) slabs for the superstructure. Based on the pile cap layout and foundation drawings provided by the authorities, detailed 3D modelling was carefully executed, incorporating precise reinforcement scheduling for pile caps, beams, and columns.Structural layouts provided clear guidelines for ground and typical floor columns, PT slabs at various floors, and detailed sectional elevations clearly specifying slab thicknesses and beam-column arrangements.

1-Coral – Next Group Residential Building
DUBAI



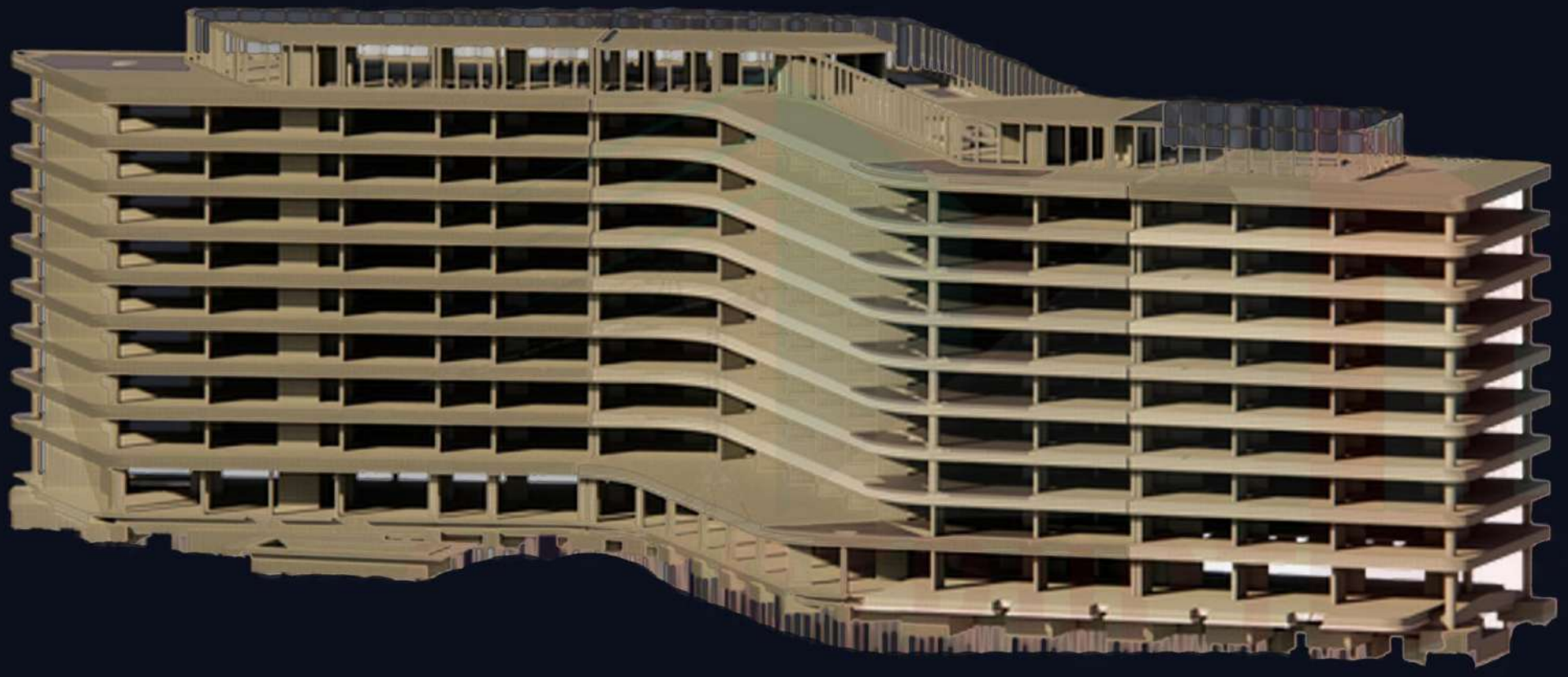








2-Next Group Commercial Building
Umm Al Quwain, UAE



Project Type: Residential Waterfront Development
Structure Type: Reinforced Concrete Structure with Deep Pile Foundation
Level of Detail (LOD): LOD 350 – Shop Drawings and Detailed BIM Modeling

2-Next Group Commercial Building
Umm Al Quwain, UAE



Project Description

The UAQ Waterfront Residences, situated on the Umm Al Quwain shoreline, showcasing a reinforced concrete structure supported by a deep pile foundation system. Detailed authority approved calculations guided precise BIM modeling for pile layouts, pile caps, and ground beams. Structural elements including concrete columns, beams, post-tensioned slabs, and core walls were carefully modeled at an advanced detail level (LOD 350). Additionally, detailed architectural floor plans and wall layouts ensured accurate documentation, reducing potential on-site conflicts. Realistic renderings were developed to help stakeholders clearly visualize the completed building, enhancing overall project efficiency and construction quality.

3-Emirates Transport Workshop

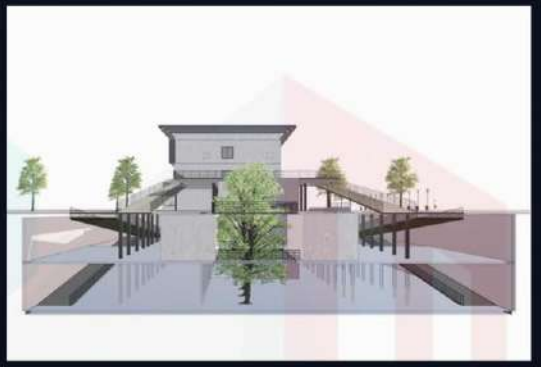
DUBAI





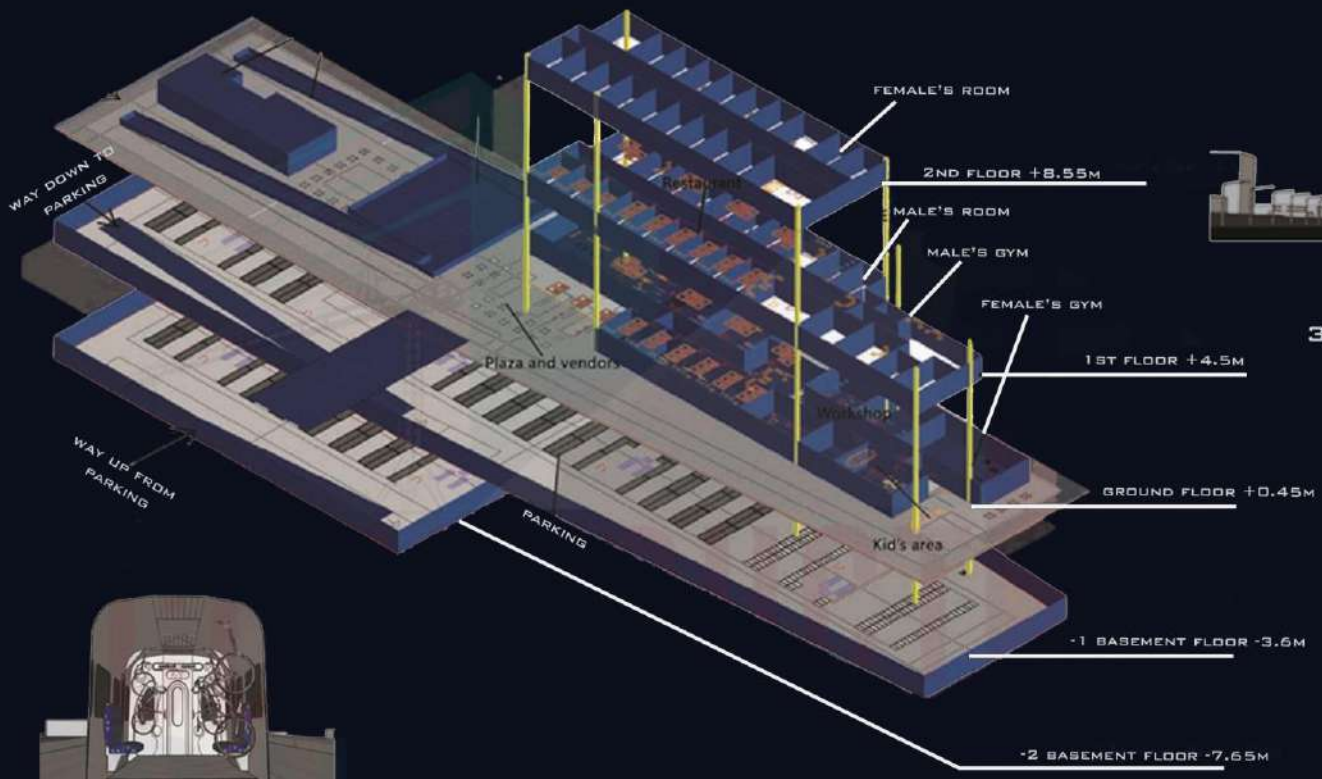






3-Emirates Transport Workshop

DUBAI





3D PERSPECTIVE SECTION B-B SCALE 1:400



WESTERN ELEVATION SCALE 1:400





UNITED STATES OF AMERICA

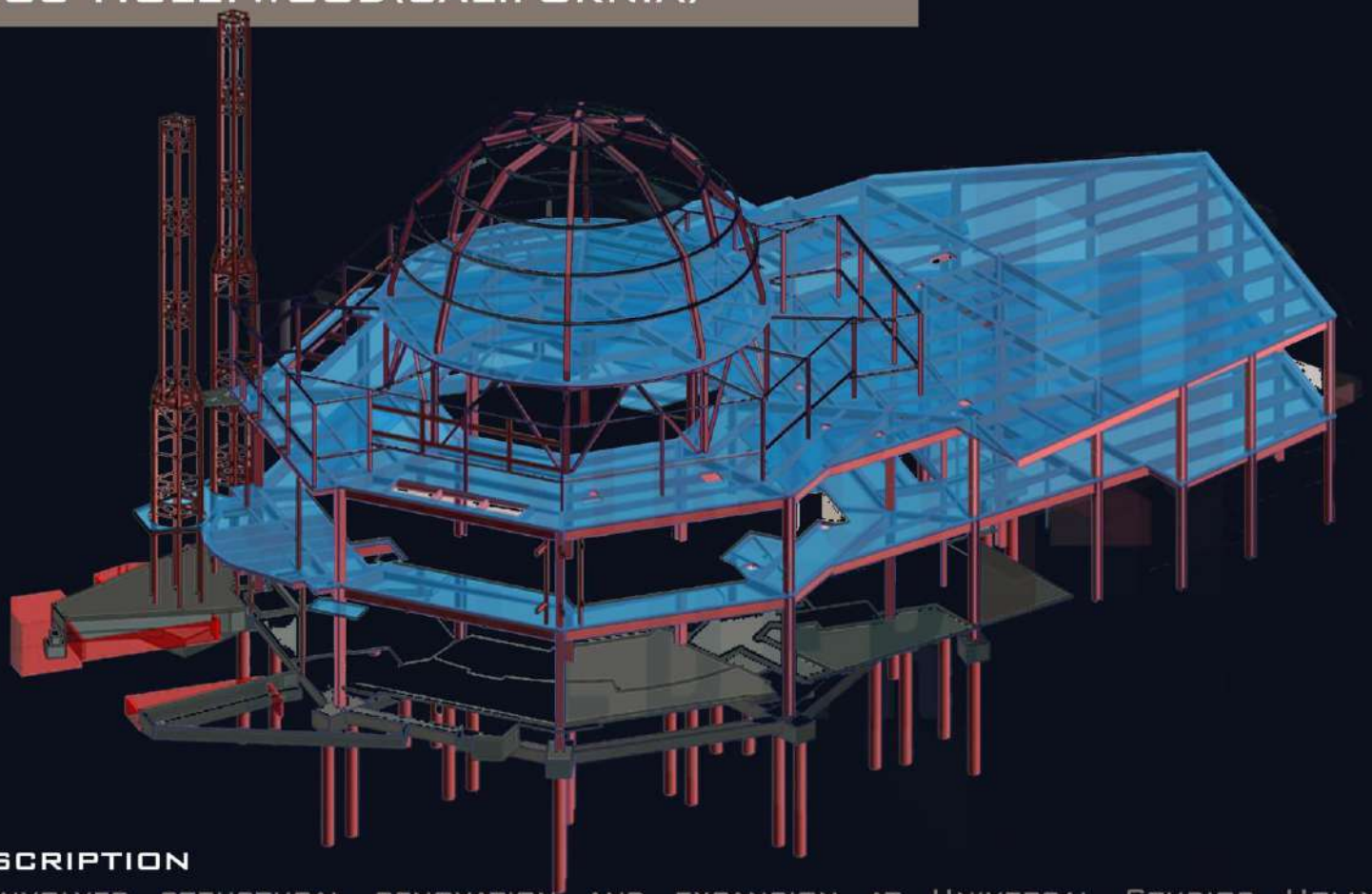
2

1-Project 617, Universal Studios Hollywood(california)



Project Type: Commercial Attraction (Structural Renovation & Expansion)
Engineering Firm: Saiful Bouquet,Pasadena, CA
Scope of Work: Structural Demolition,Reinforcement & New Construction

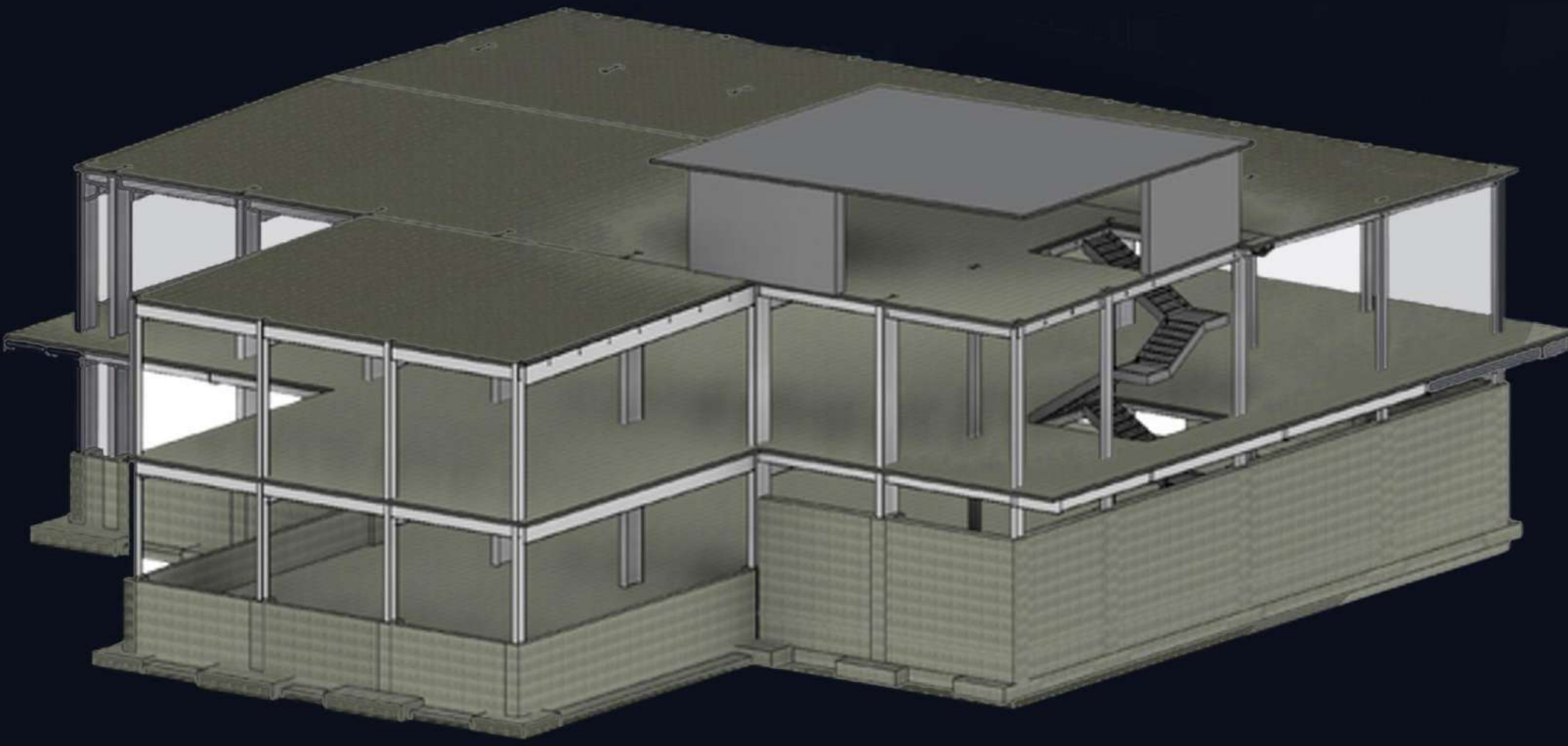
1-Project 617, Universal Studios Hollywood(california)



Project Description

This project involved structural renovation and expansion at Universal Studios Hollywood, featuring comprehensive architectural and structural plans detailing demolition of existing concrete structures, beams, columns, and walls. Structural plans provided clear instructions for concrete slab reinforcement, steel beam connections, and seismic upgrades, including precise schedules for reinforcing bar lengths and lap splice details. Detailed shop drawings and construction-ready documents were prepared, reflecting a high Level of Development (LOD 400) to ensure accuracy in fabrication, installation, and construction on-site. The structural documentation included precise 3D architectural and structural views, foundation plans, detailed connection sections, reinforcement schedules, and clear demolition instructions, carefully aligned with seismic and safety standards.

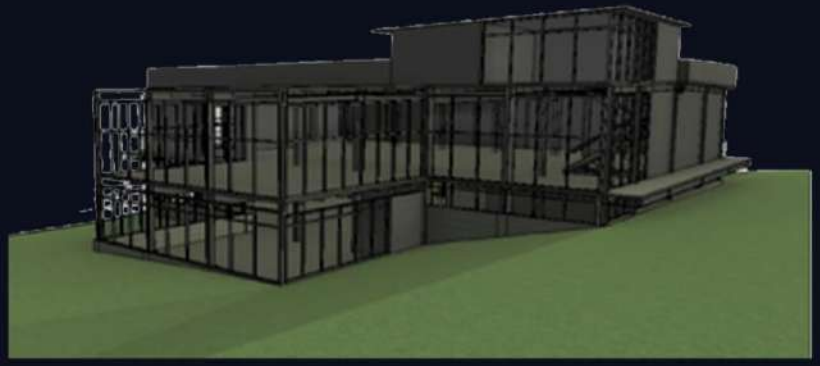
2-Residential Steel Structure
USA

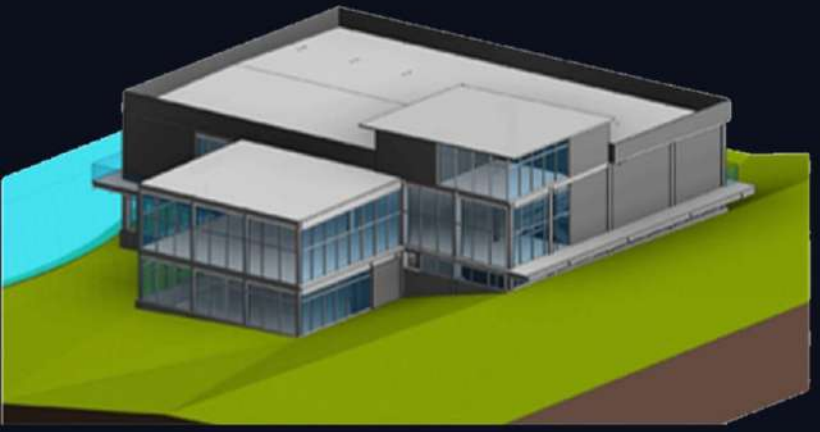


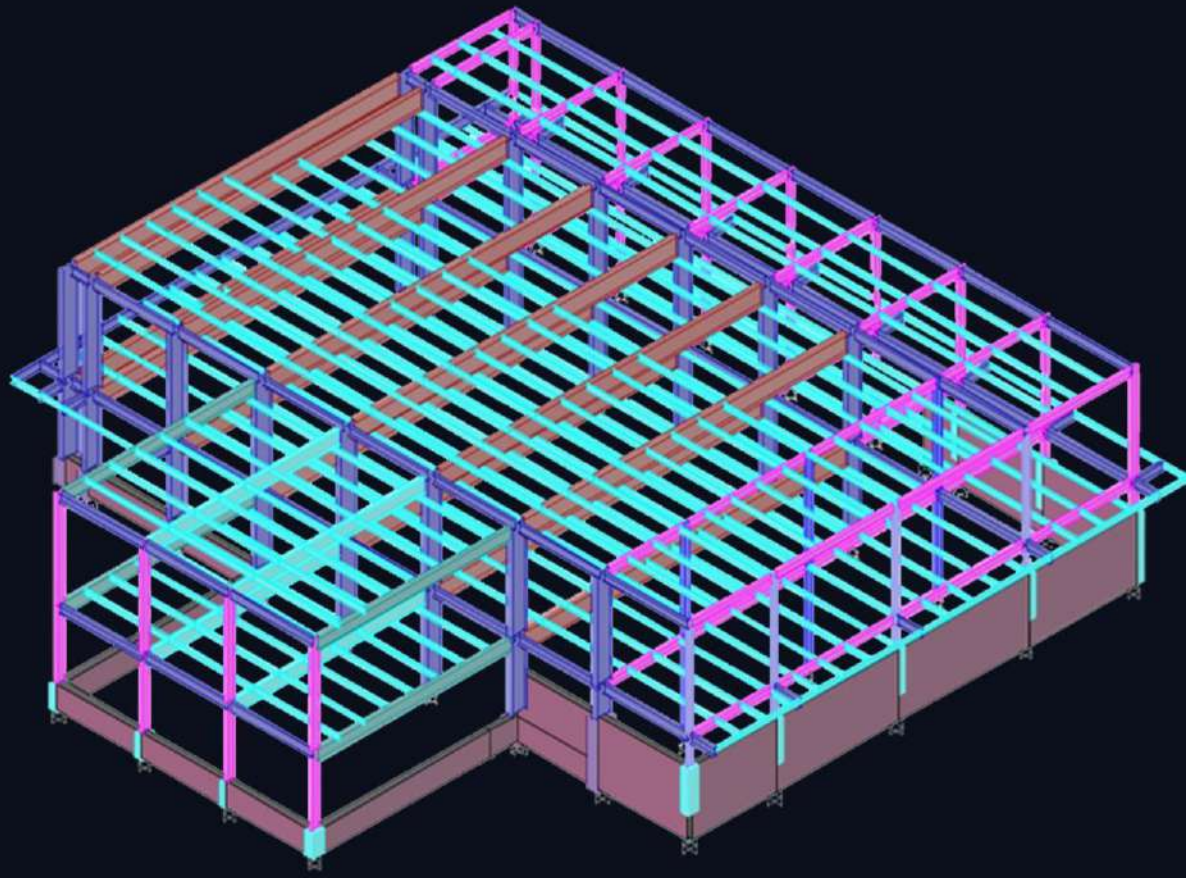
Project Name: Residential Steel Structure
Type of Project: Residential Building
Location: USA

2-Residential Steel Structure

USA







Project Description

Complete Structural Design and BIM Modeling of a 2 story, 10,500 sqft residence on river side in Georgia State, US. Delivered complete set of structural drawings for permit.



CANADA

3

1-CARP Building



Name: CARP
Purpose: Mix Use Building
Location: Canada

1-CARP Building



Project Description

Architectural BIM Modeling for visualization. Integration of new construction with exciting infrastructure.

1-CARP Building

















2- Bharrvan Square Project Phase II



Name: Bharrvan Square Project Phase II

Location: Canada

Project Type: Scan to BIM

2- Bharrvan Square Project Phase II



Project Description

Complete Scan to BIM Modeling for the overall renovation. 12 unit of commercial spaces with hybrid concrete and wood construction.

3-Waterfront Homes



Address: Rideau River Ottawa, Canada
Purpose: Residential Building
Project Type: BIM Modeling
Area: 2.4 Acres

Project Description

Complete Architectural Design and Modeling. Five single family executive homes, each one facing the river with separate access to the river road.

4- House Renovation



Name: House Renovation
Purpose: Residential
Location: Canada

4- House Renovation



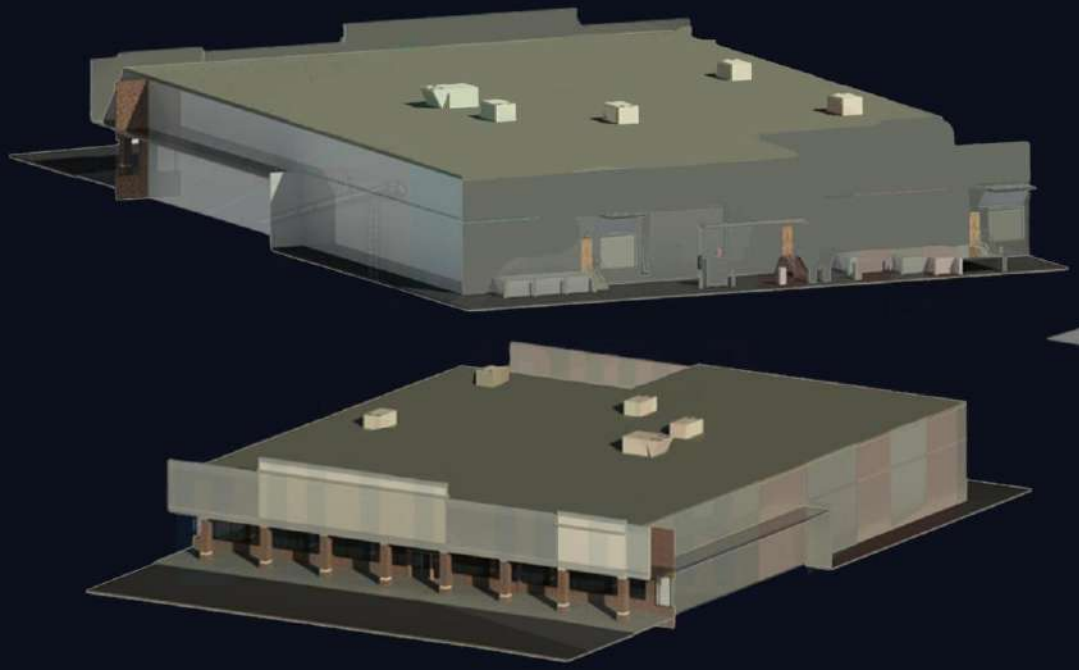




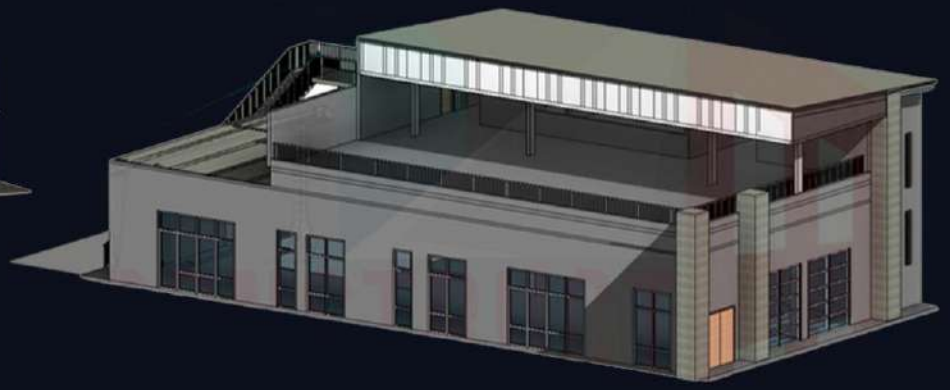
Project Description

BIM Modeling for Existing and new construction. Complete Architectural Structural and MEP Modeling. Coordination with the site team. The project also include the unique vehicle elevator.

5-BIM Model Development
without provision of dimension



SHOP RENOVATION PROJECT IN US



WAREHOUSE BUILDING IN CANADA

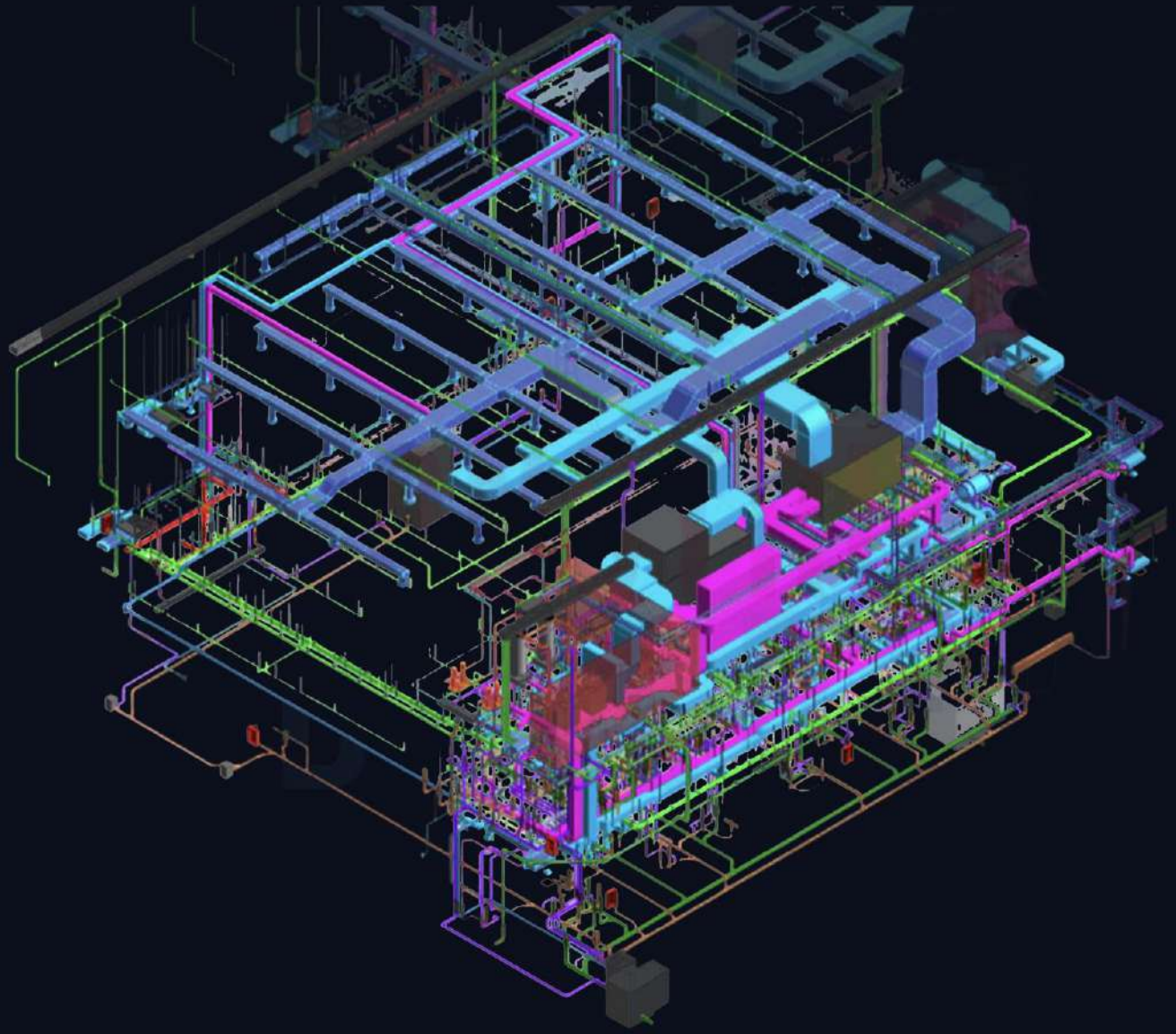


KSA

KINGDOM OF SAUDI ARABIA

4

1-Amaala Village School



Project Name: Amaala Staff Village School
Type of Project: Commercial Building
Location: Saudi Arabia (KSA)

Project Description

Complete Mechanical and Plumbing BIM Modeling at LOD 350. Coordination and clash resolution with Architecture and Structure.



EYGPT

5

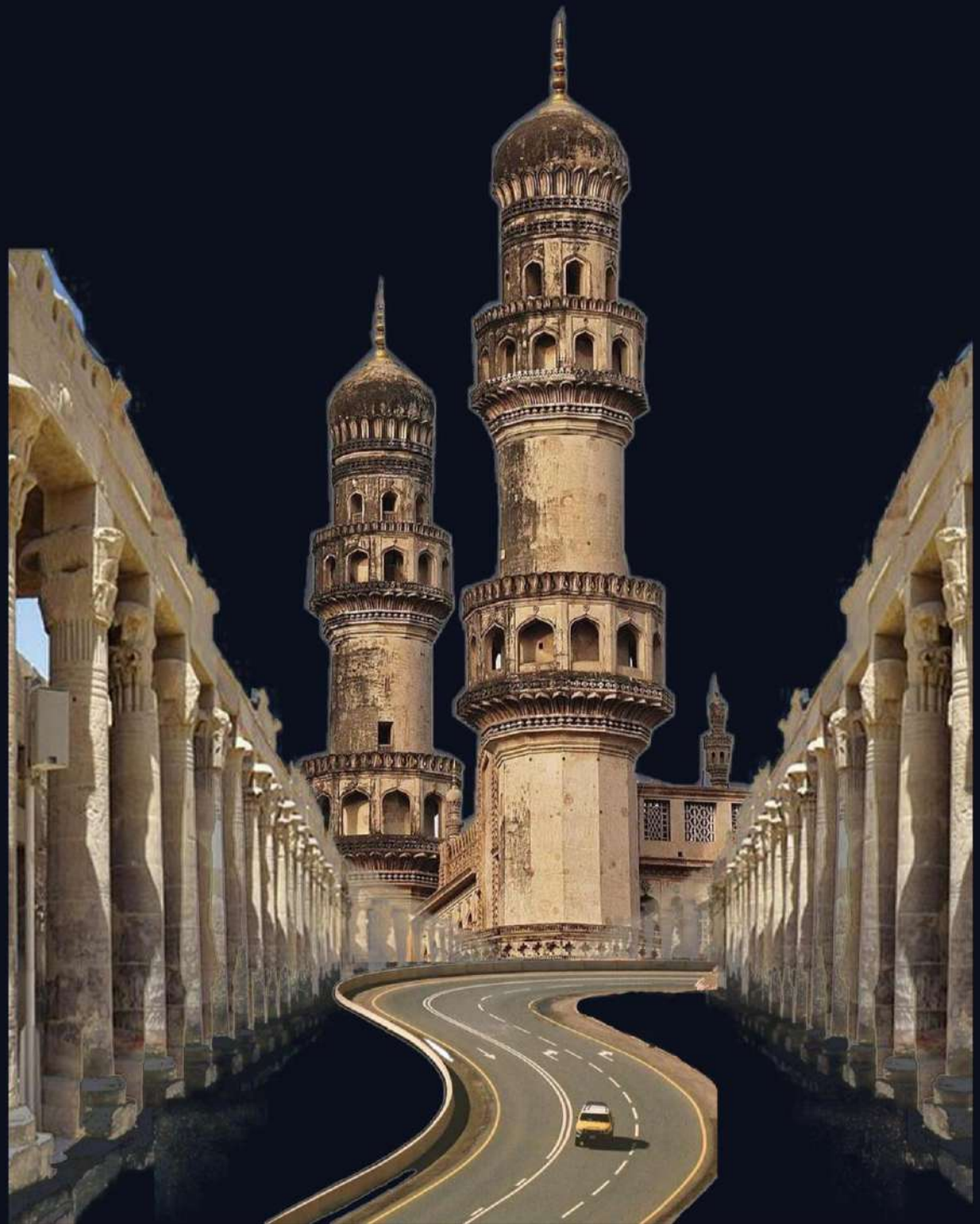
1-ral Amenties, NEOM



Project Name: Train Station Egypt
Type of Project: Commercial Station
Location: Egypt

Project Description

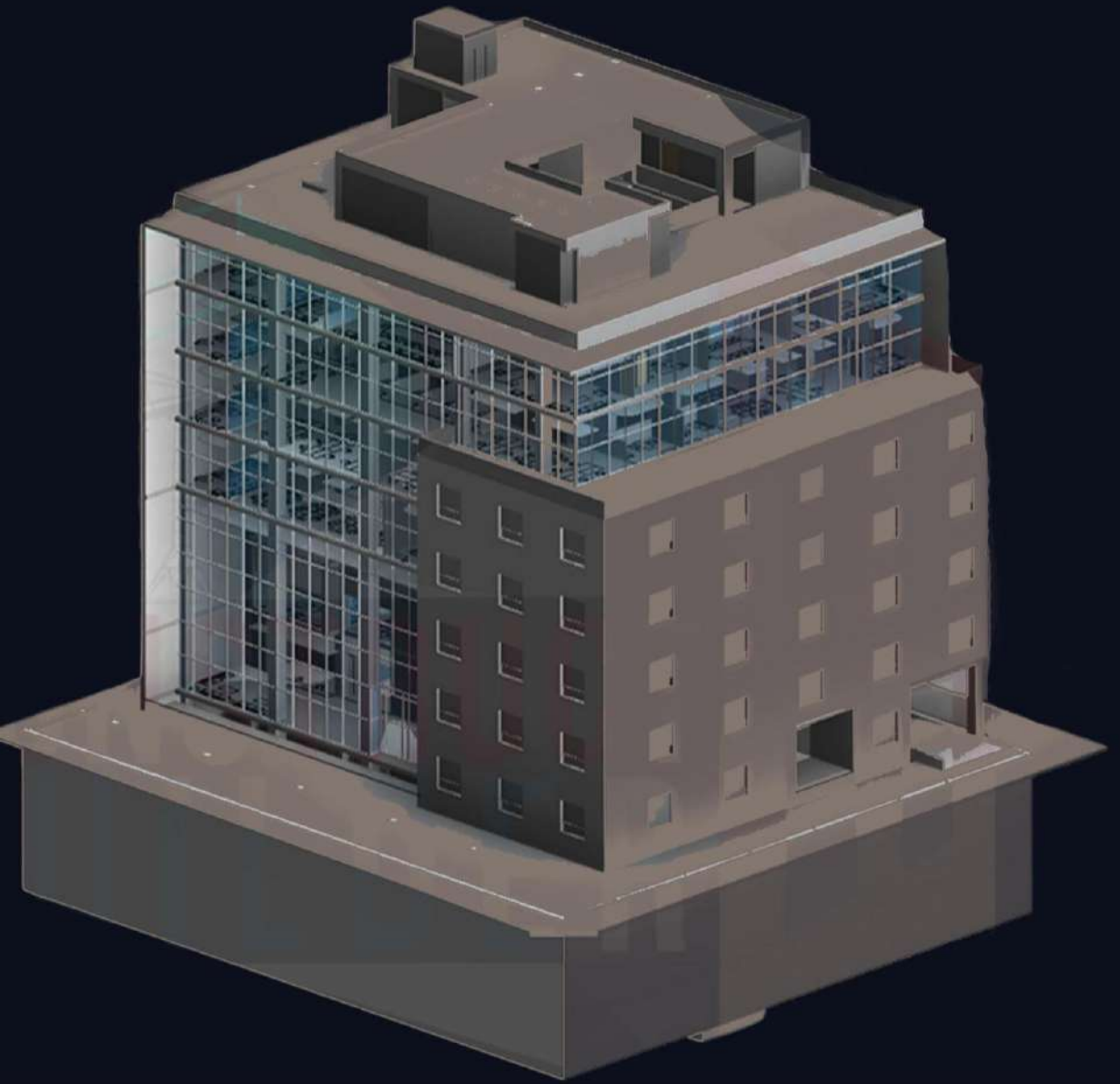
Complete Architectural BIM Modeling at LOD 300 for Proposal Stage.



PAKISTAN

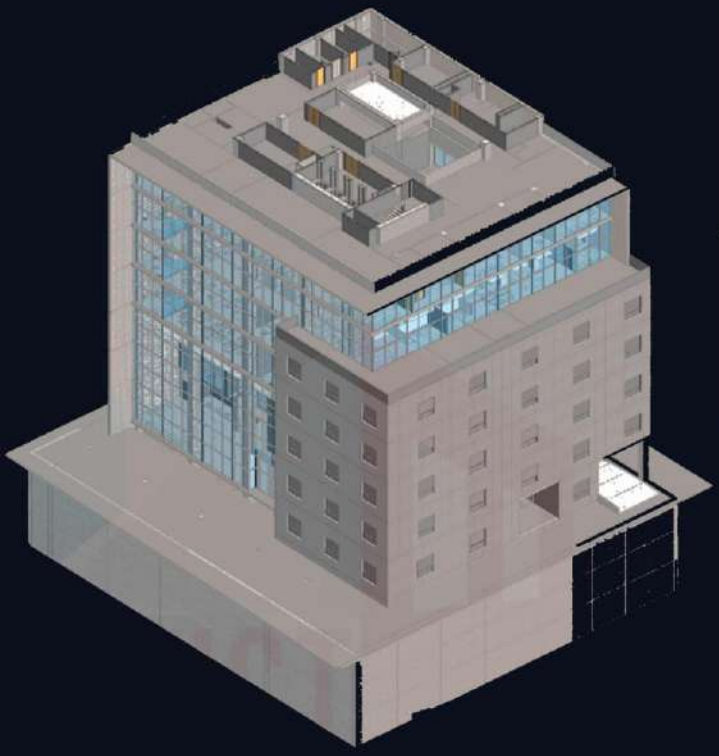
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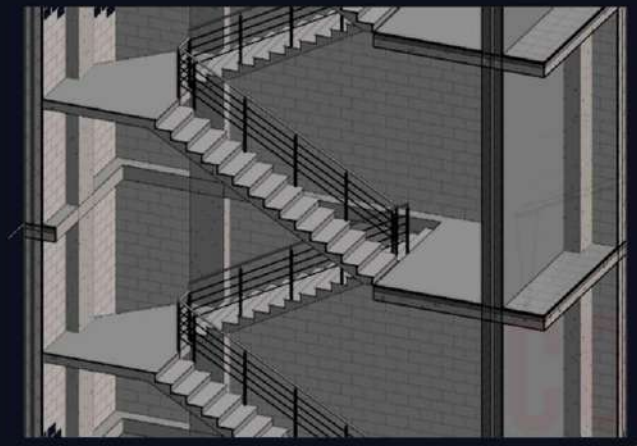
1-IDAP Office Building
Lahore



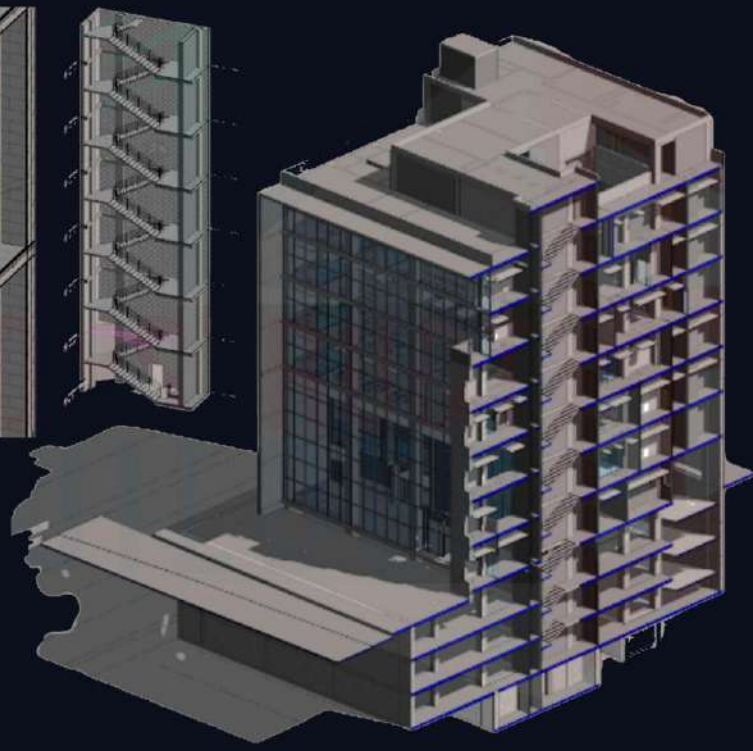
Project Name: Multistorey Commercial Building (BIM Pilot Project)
Project Type: Commercial Multistorey Building
Location: Lahore, Pakistan
BIM Standard: ISO 19650
Level of Detail: LOD 350 (Detailed Modelling & Coordination)

1-IDAP Office Building
LAHORE





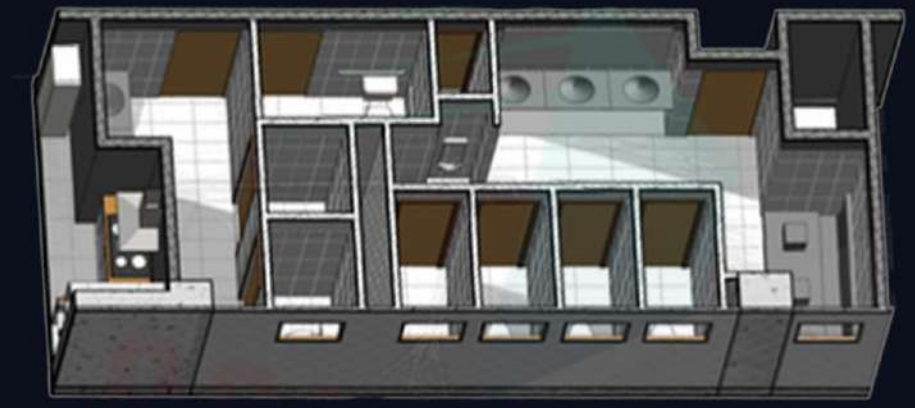


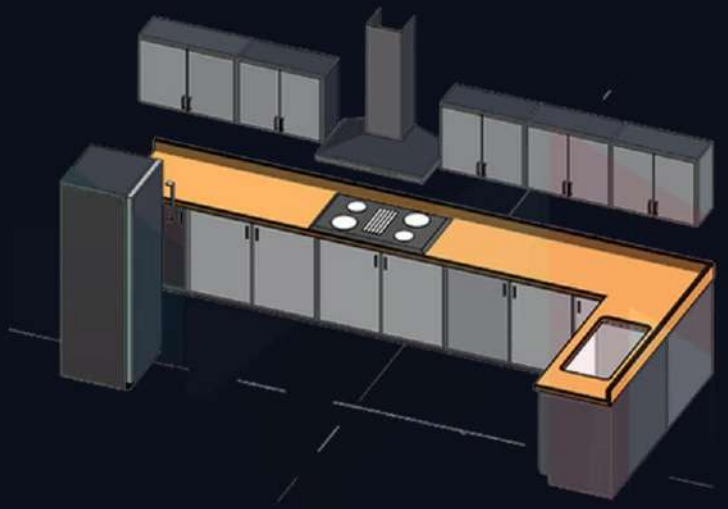


Project Description

This multistorey commercial building represents one of Pakistan's first comprehensive implementations of Building Information Modeling (BIM).Closely collaborated closely with disciplines to apply BIM in a structured and professional manner, strictly following the international BIM standard ISO 19650. A detailed BIM Execution Plan (BEP) was prepared, clearly defining project goals, methods, team responsibilities, and workflows. Every detail from architectural layouts, structural modeling, mechanical, plumbing, electrical, and IT systems was modeled and coordinated digitally, allowing us to detect and fix clashes. Accurate material quantities were also calculated directly from BIM, improving project costing and scheduling. This advanced approach greatly increased efficiency, quality, and accuracy, setting a benchmark for future digital construction projects in Pakistan.

1-IDAP Office Building
LAHORE

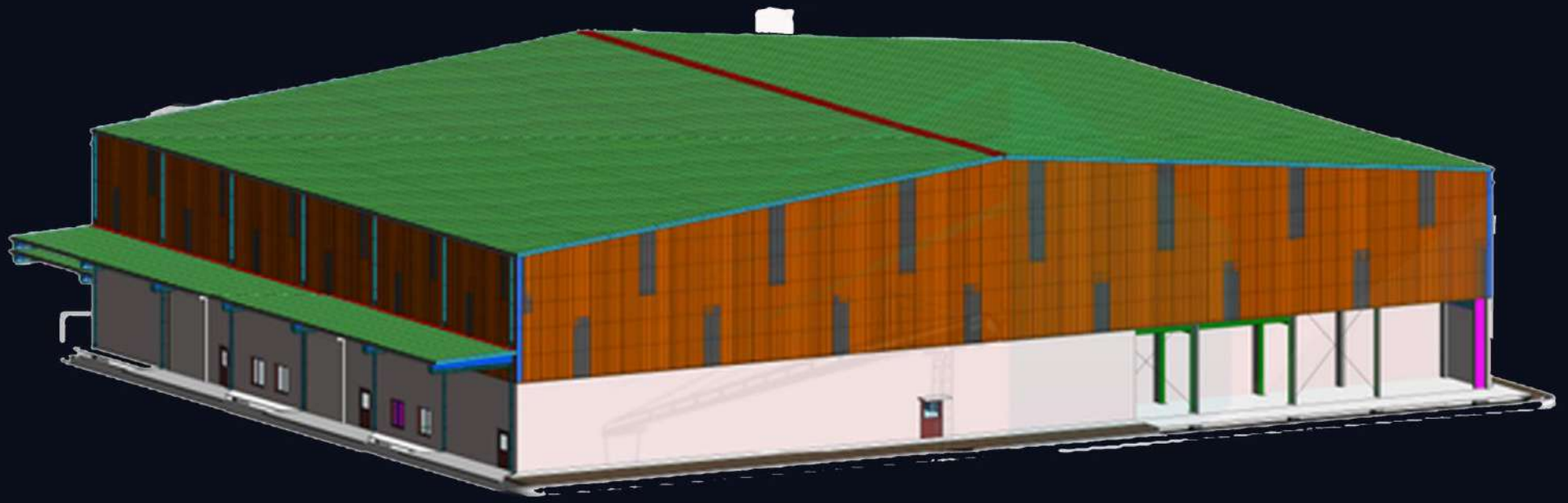








2-Nippon Paint OEM Plant
Kasur

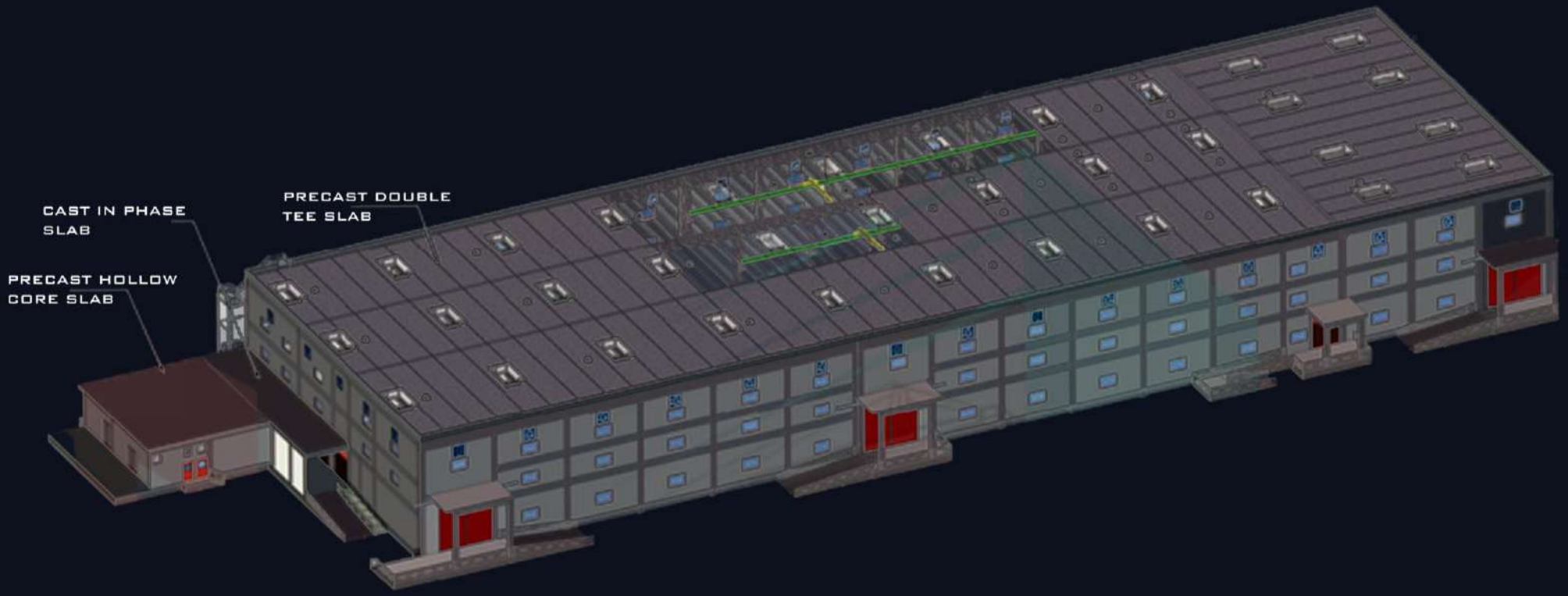


Project Name: Nippon Paint OEM Plant
Project Type: Industrial Facility – Paint Manufacturing Plant
Location: 39 KM Ferozepur Road, Lilliyani, District Kasur, Pakistan
Consultant/Designer: Izhar Construction (Pvt) Ltd., Lahore
Building Type: Steel and Concrete Structure with Mezzanine Floors

Project Description

This project involves detailed construction of a paint manufacturing facility consisting of steel and reinforced concrete structures, mezzanine floors, container cleaning rooms, and raised platforms. Detailed shop drawings and layouts provided included ground and mezzanine floor plans, structural elevations, sections, detailed steel connections, concrete-filled metal decks, and brick walls clearly defined with accurate measurements. The project drawings reached Level of Development (LOD) 350, clearly illustrating precise details for on-site fabrication and installation, ensuring exact structural execution and integration with existing elements. The scope also included structural reinforcement schedules, base plate connection details, mezzanine-level framing, and the installation of metal decking to meet high industrial standards.

3-Gul Ahmed Plant

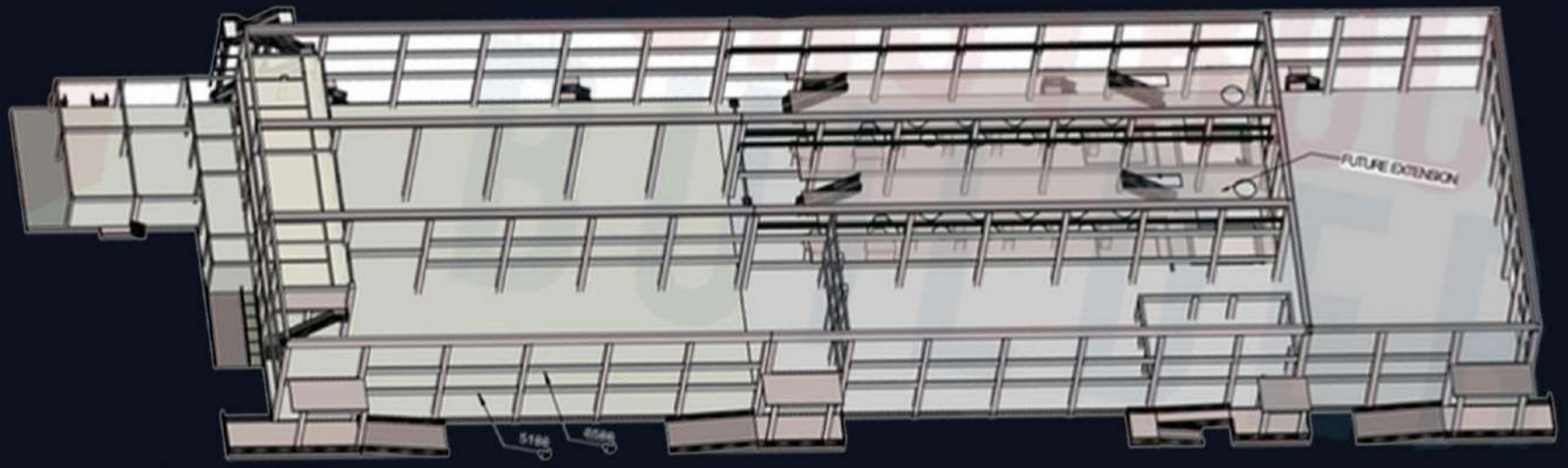


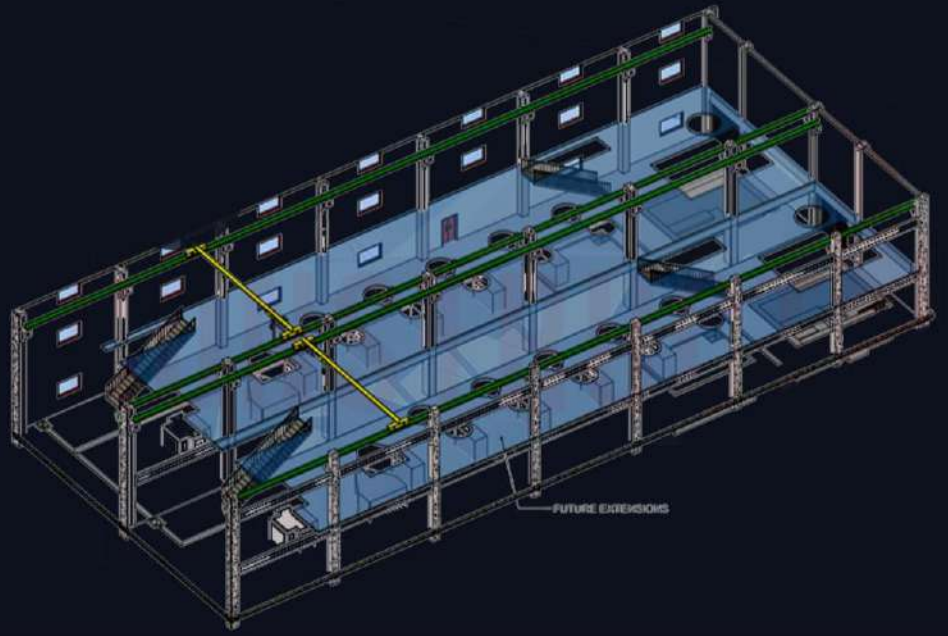
Name: Gul Ahmed Bleaching Plant and Processing Unit
Area: 5200 m²
Purpose: Industrial Building
Location: Pakistan

PROJECT DESCRIPTION

Steel and Concrete Structure BIM Modeling with fabrication details and visualization. Coordination with Architecture

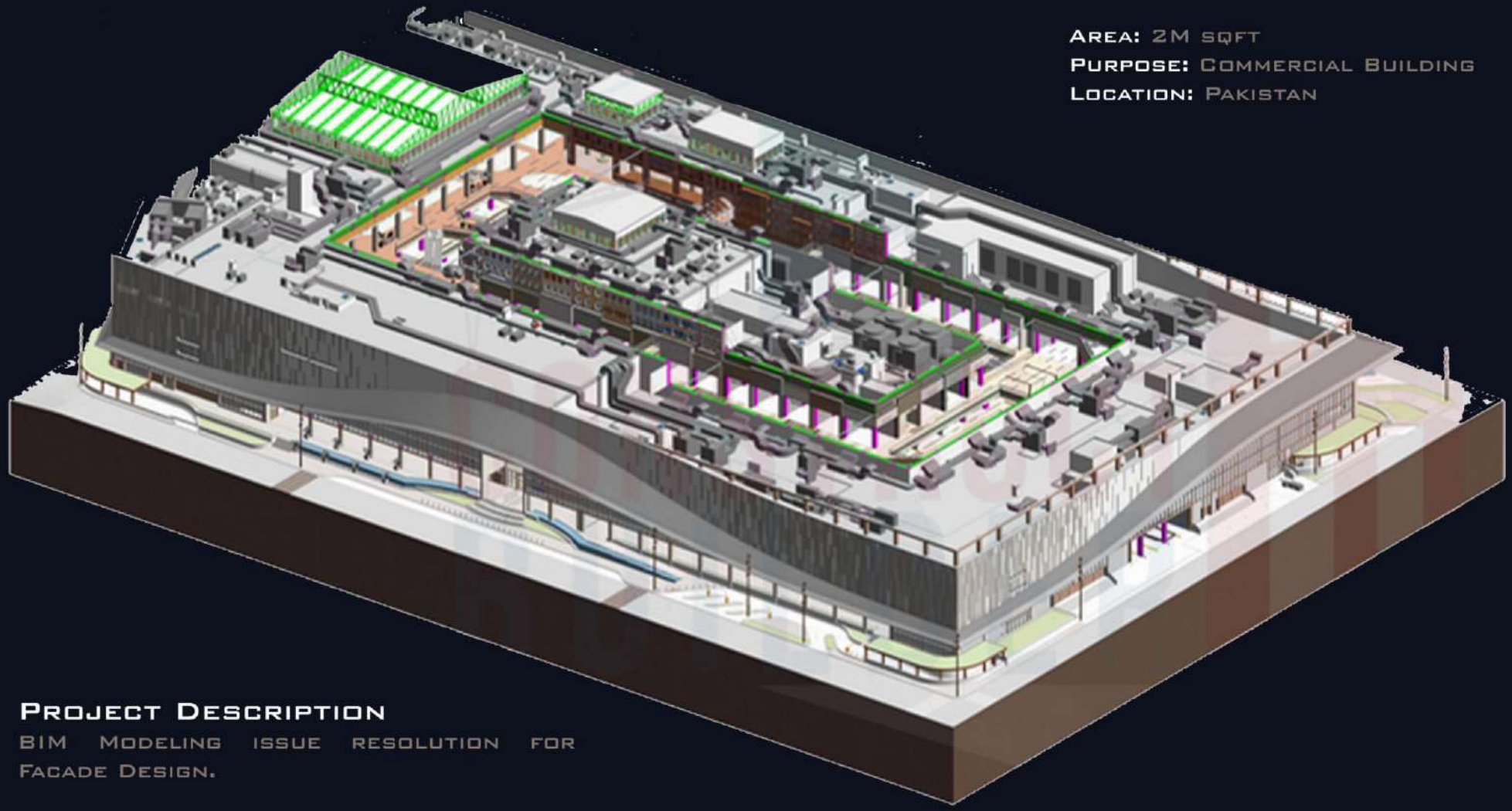
3-Gul Ahmed Plant





STRUCTURAL 3D

4-Dolmen Mall



Area: 2M sqft
Purpose: Commercial Building
Location: Pakistan

Project Description

BIM Modeling issue resolution for Facade Design.

5-Diamer Bhasha Dam



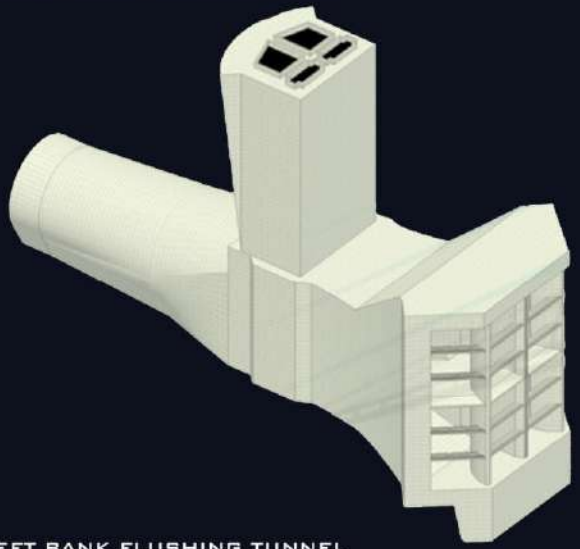
Project Name: Bhasha Dam
Purpose: DAM
Location: Pakistan

Project Description

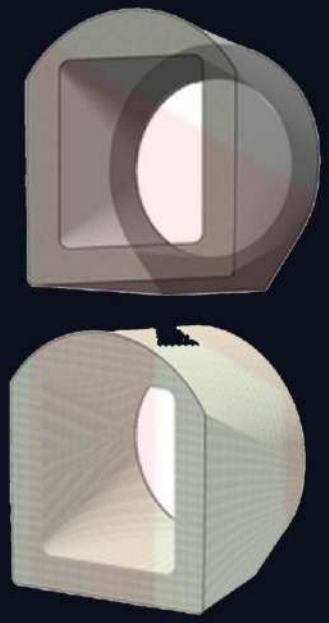
Structural BIM Modeling of DAM components.

5-Diamer Bhasha Dam

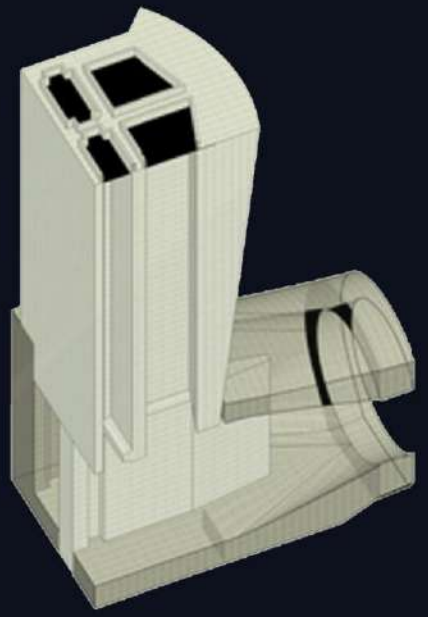
RIGHT BANK POWER INTAKES



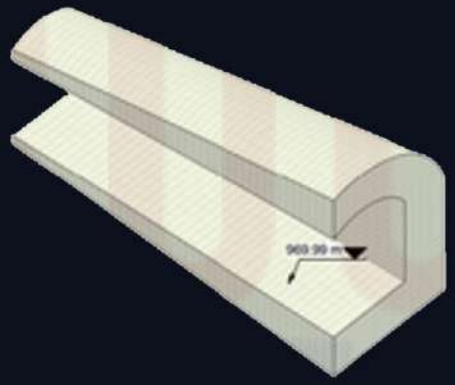
DIVERSION PART 3D VIEW



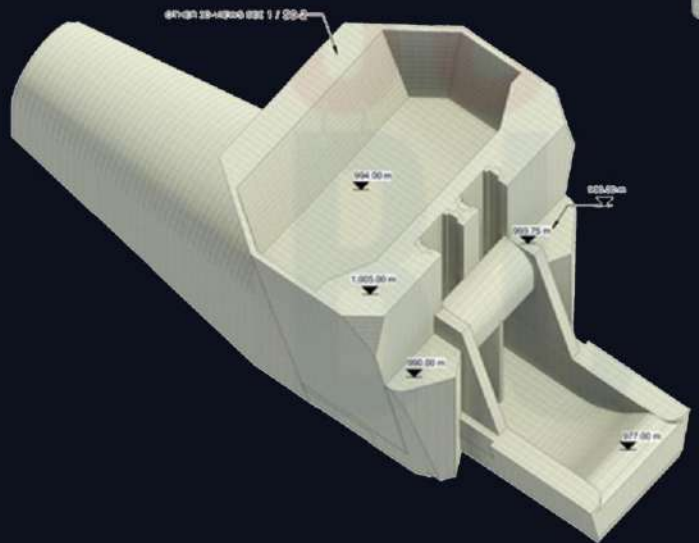
GATE SHAFT 3D VIEW

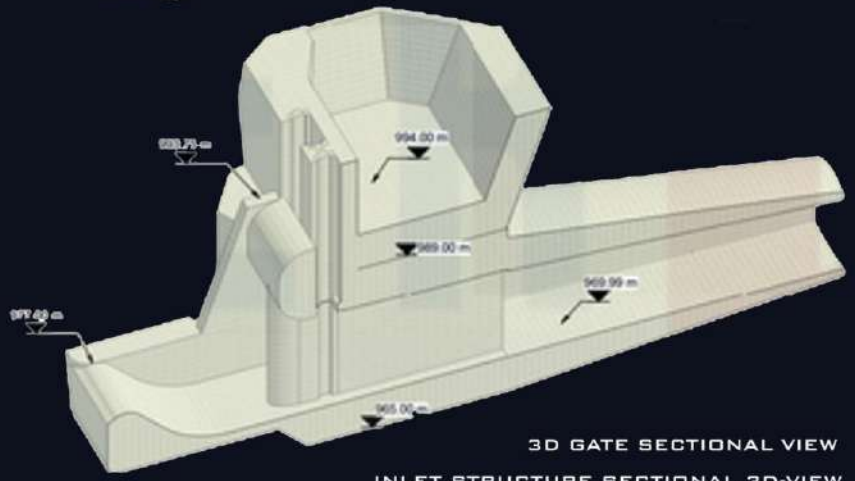


OVERSION PART 3D VIEW



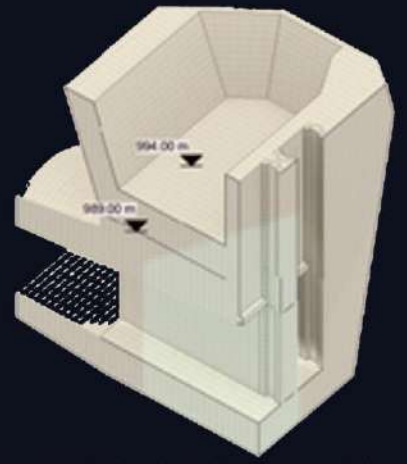
LEFT BANK FLUSHING TUNNEL





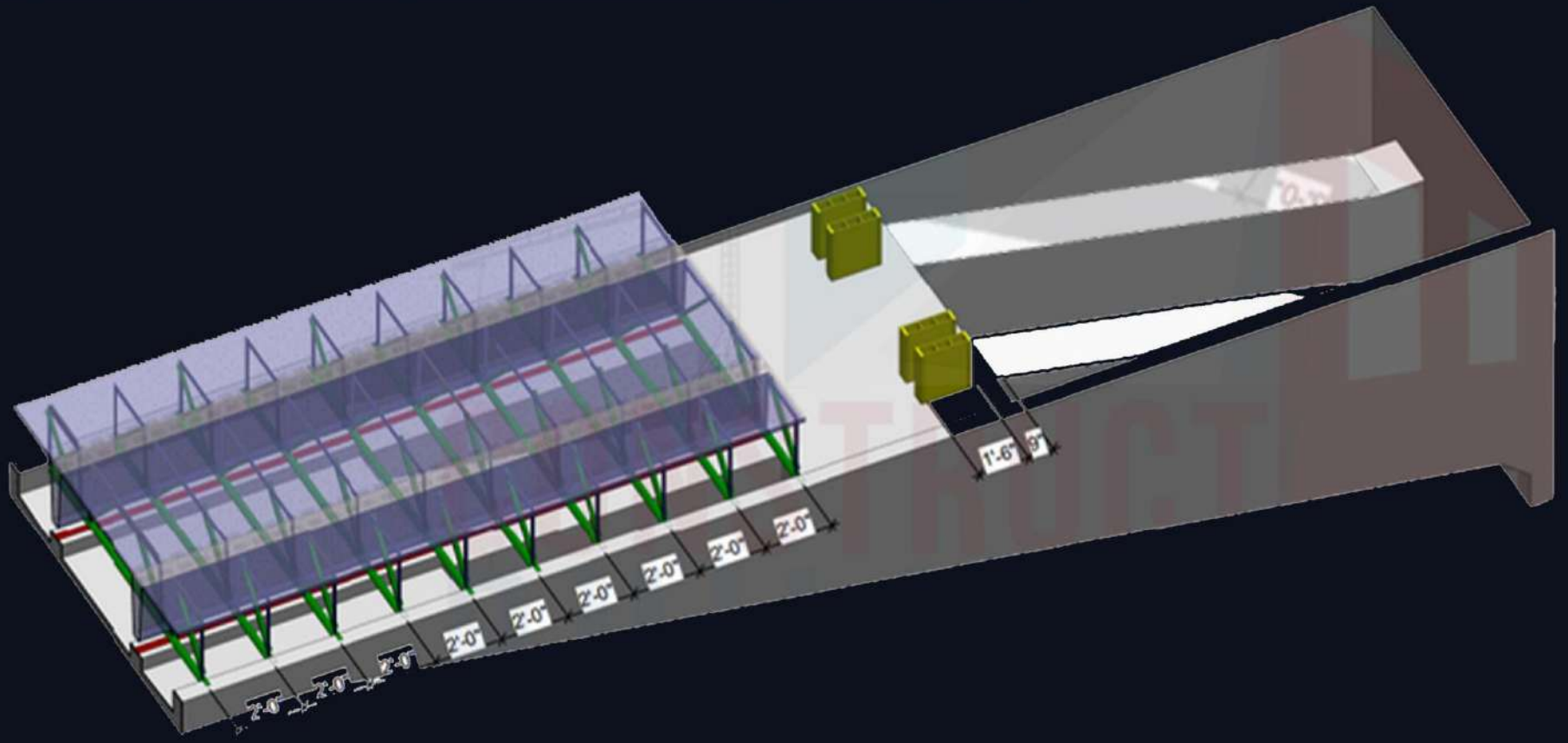
3D GATE SECTIONAL VIEW

INLET STRUCTURE SECTIONAL 3D-VIEW



3D GATE SHAFT SECTIONAL VIEW

6-Bulkhead at MDK Factory



Name: Bulkhead at MDK Factory
Purpose: Precasting Unit
Location: Pakistan

PROJECT DESCRIPTION

Structure BIM Modeling at LOD 350

7-Rosepatel Warehouse



Name: Rosepatel Warehouse
Purpose: Industrial Plant
Location: Pakistan

Project Description

Architectural BIM Modeling at LOD 300.

7-Rosepatel Warehouse

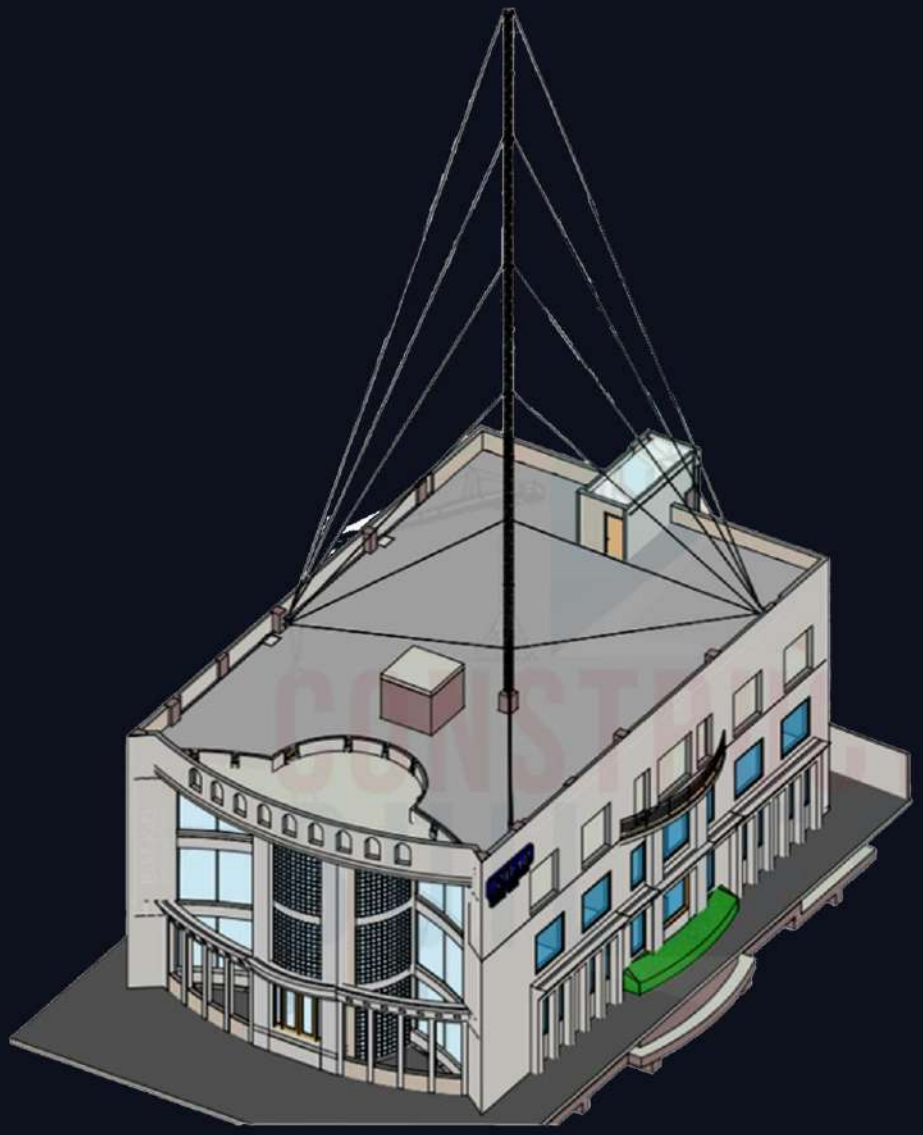






RENDERS

8-Izhar Head Office

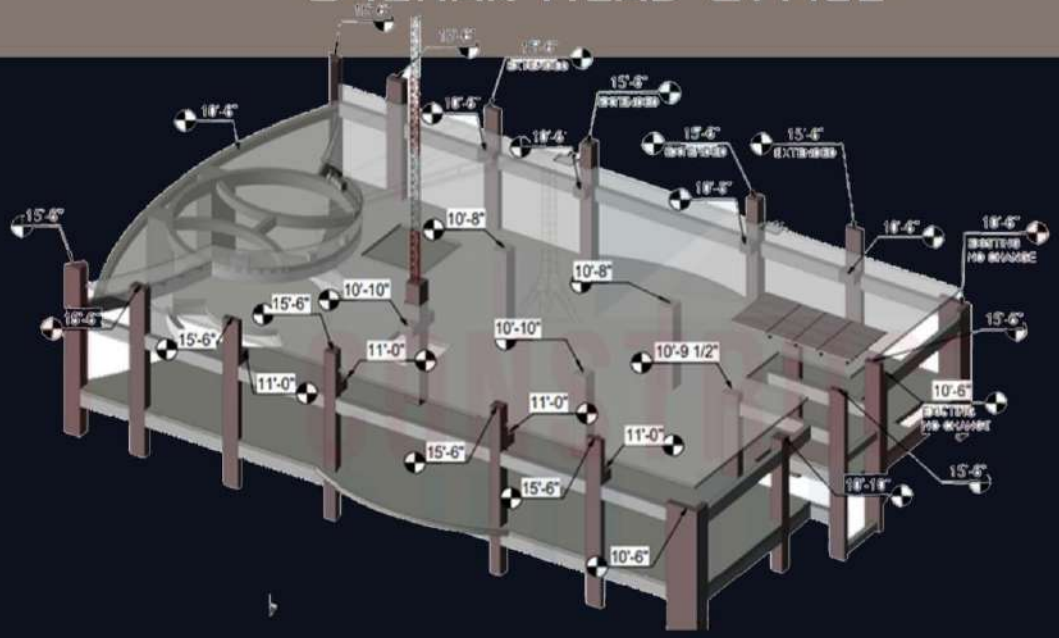


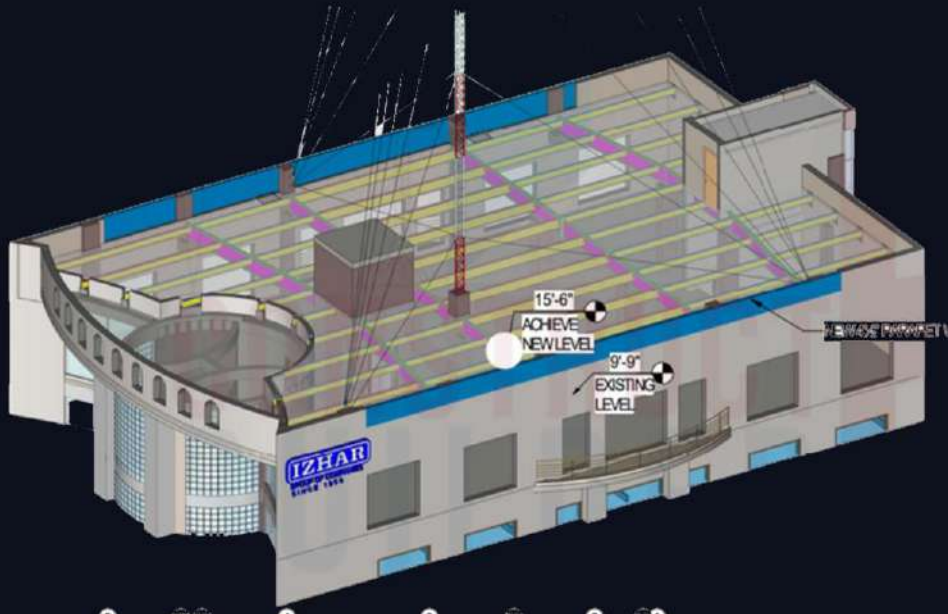
Name: Izhar Head Office
Area: 5000 sqft
Purpose: Commercial Building
Location: Pakistan

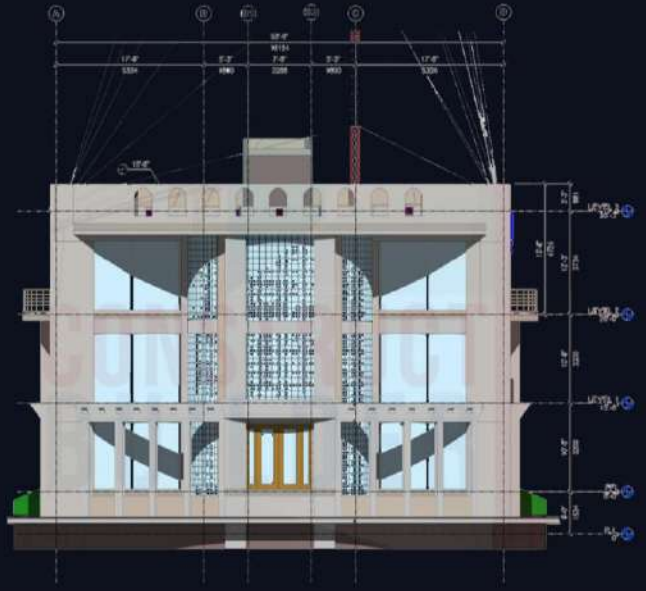
PROJECT DESCRIPTION

Architectural and Structural BIM Modeling at LOD 350

8-Izhar Head Office









CONTACT INFORMATION

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