

**MKAB**

Consulting engineers

252 El Fath st., janaklees, Alexandria, Egypt

Phone: 002 03 578 0741

Mobile: 002 0102 5400 182

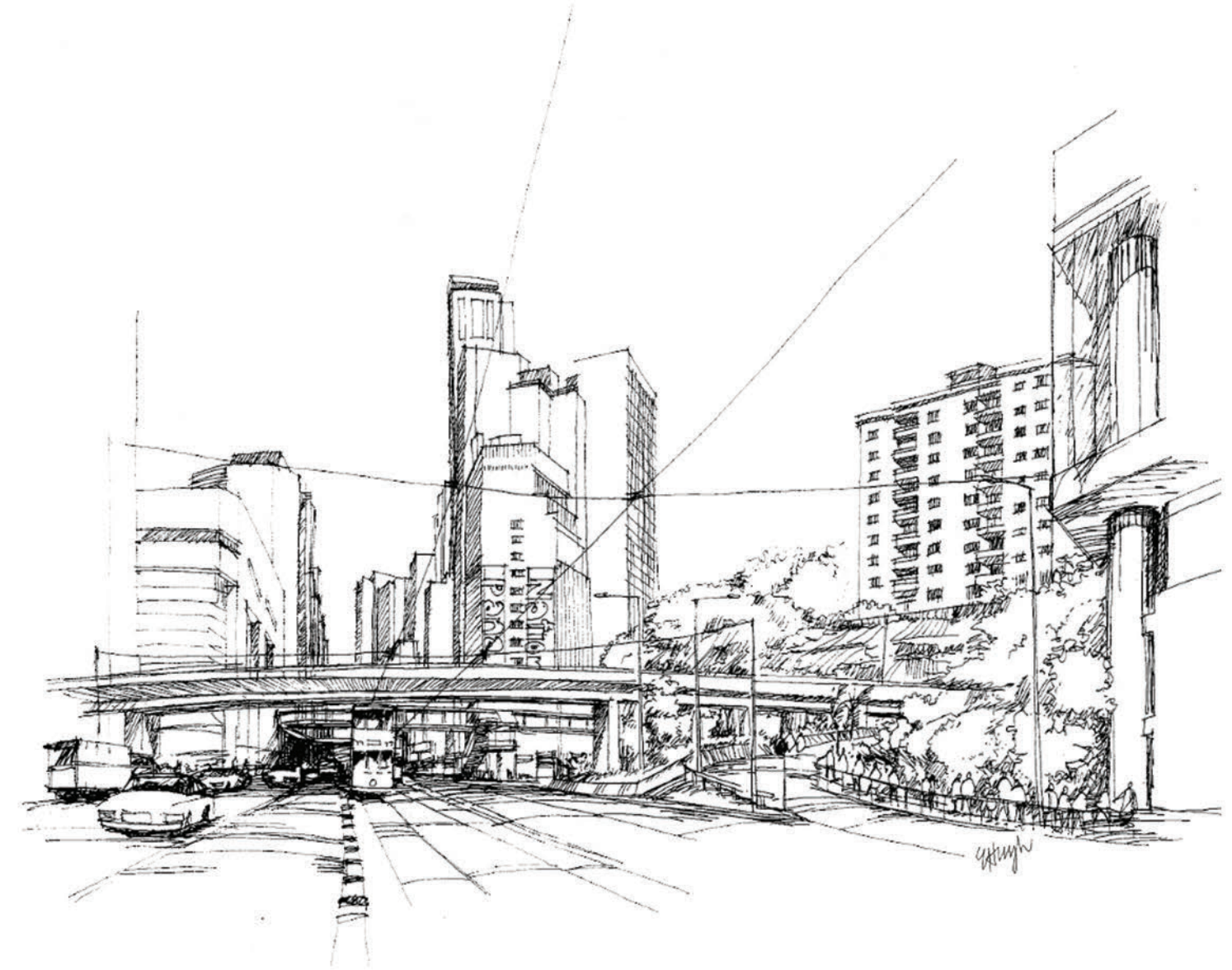
Email: [info@mkabconsult.com](mailto:info@mkabconsult.com)

[www.mkabconsult.com](http://www.mkabconsult.com)

**mkab**  
■ CONSULTING ENGINEERS  
ARCHITECTURE . ENGINEERING . MANAGEMENT

# TABLE OF CONTENTS

✓ About Us	3
✓ Founder	4
✓ Our Services	5
✓ Our Projects	7
✓ Contact Details	



# ABOUT US

---

mkab is a multi-office, multi-discipline engineering firm. We're driven by a commitment to our core values of Excellence, Trust, Relationships, Stability, and Passion; defining our professional practice, how we are organized and our commitment to our clients and employees.

Our team of highly qualified and experienced engineers provide solutions to meet the needs of our diversified clientele both in government and private sectors. Based on careful considerations of client's needs, and drawing from many years of experience, mkab delivers efficient solutions to complex engineering problems by executing projects within budget and schedule

mkab Consulting Engineers provides solutions that are responsive, innovative and strategically planned and implemented against world-class standards.

## Our Mission

Our mission is to be a world-class Consulting engineering and project management company providing a service that will add sustainable value-engineering solutions to the operation of its clients in commerce, industry and the public sector

## Our Vision

Our vision is to be amongst the world's leading companies providing sustainable consulting engineering and project management solutions

# FOUNDER

---

## MOHAMED KAMAL AL KHOLI

Mr. Mohamed Kamal completed his B.Sc. degree in Structural Civil Engineering from the Faculty of Engineering, Alexandria University Egypt in 1992 with a grade of distinction with Honors

He developed his studies into the project and construction management field by completing the Professional Program in Project Management from the American University in Cairo in 1996.

He finished his PhD degree in Structural Engineering from Alexandria University

He has an excellent solid technical background and experience with Project management and PMP practices and contracts; he is a Professional Project Manager (PMP) - Certified by PMI - and a certified Arbitrator.

Afterwards he developed his experience in structural design, he jointed many of mega consulting offices especially in gulf area, his position as a lead engineer enabled him to expand his knowledge in this subject and be able to handle big projects during its design phase up to construction phase.





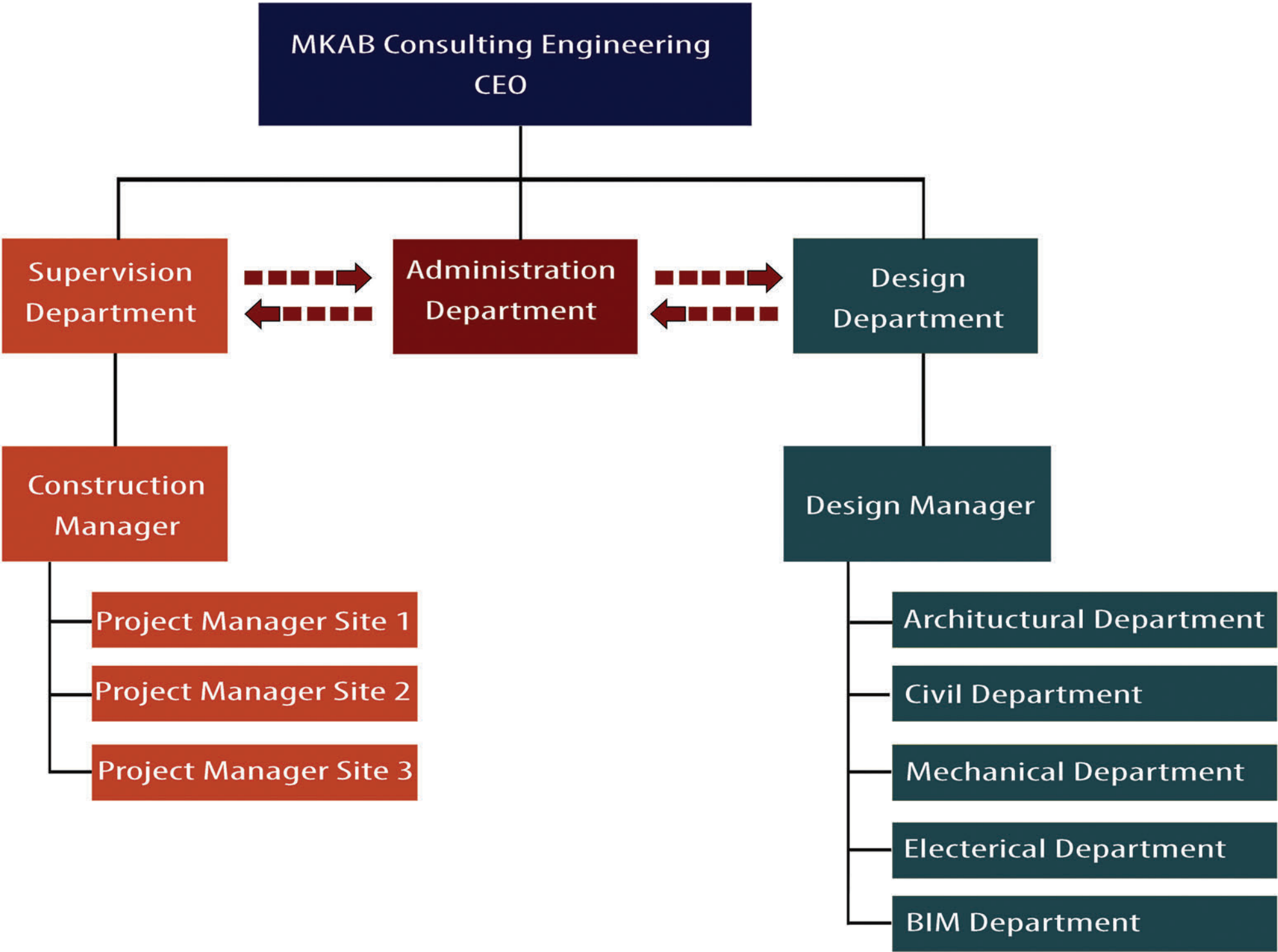
# QUALITY POLICY

mkab is committed to the Quality Management system, which has been developed and implemented based on ISO9001, in order to consistently provide the highest standards of quality and professionalism in all areas of our business activity.

**mkab is committed to:**

- Implementation of all Quality Management system requirements, including the proactive use of error prevention measures.
- Preventing quality problems by identifying, addressing, and managing risks and opportunities, including those that can affect conformity of products and services, rather than detecting and correcting them after they occur.
- Satisfying applicable requirements by ensuring that those associated with interested parties, statutory and regulatory requirements are determined and consistently met.
- Continually improving our Quality Management system requirements by raising standards and responding to the changing needs of our customers as well as in the technologies in which we specialize.
- Determine, monitor, and review internal and external issues, relevant to the purpose and context of the business and its strategic direction
- Ensuring that this Policy shall be made available to interested parties, upon reasonable request.

# ORGANIZATION CHART





# OUR SERVICES

---

We offer a lot services from Engineering Design to Construction Management & Supervision, Project Management, Infrastructural and Feasibility Studies & Valuation

## Engineering Design

- Master planning
- Urban design
- Landscape
- Architectural design
- Structural/civil design
- MEP systems design

## Construction Management

- Tender process administration
- Contracts administration
- Construction supervision
- Value engineering

## Project Management

Our competence lies in our in-depth knowledge and our abidance with Project Management Institute (PMI) global standards.

As such, we handle the planning, analysis, and proactive decision-making associated with every stage of the project lifecycle.

## Infrastructural

- Roads and Bridges
- Water supply systems
- Sewage networks
- Power supply
- Telecommunications networks

## Independent Technical Expertise

- Third party in engineering consultancy contracts
- Arbitration between parties in engineering projects

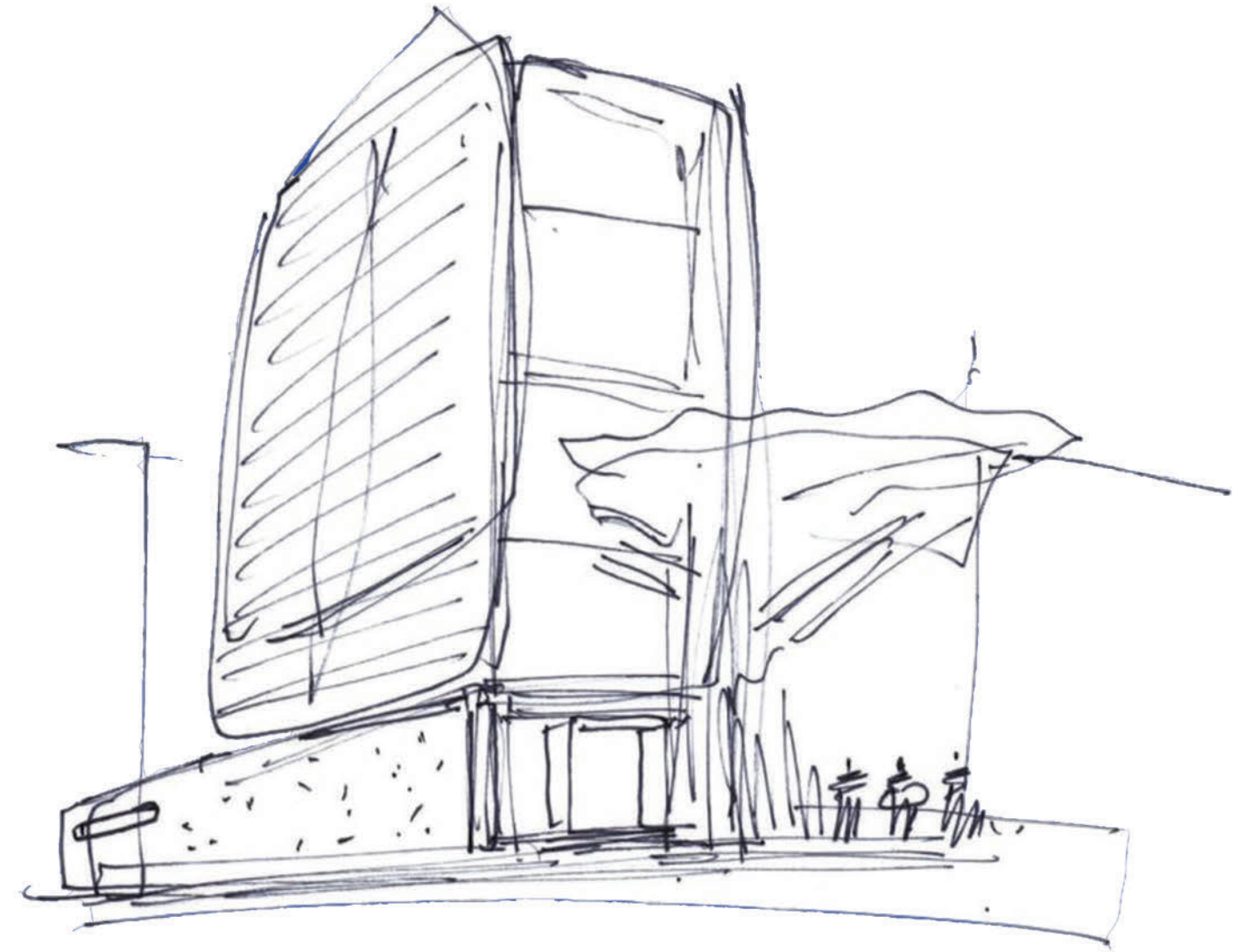
## Feasibility Studies

- Residential projects
- Infrastructural projects
- Planning projects

# MAIN PROJECTS

## Selective projects

- ✓ Rawas Inn Compound
- ✓ Qiran Project
- ✓ Residential Compound
- ✓ Residential buildings
- ✓ office building
- ✓ Interior Design
- ✓ Bridges
- ✓ Steel Tanks
- ✓ Structural shop Drawings
- ✓ BIM Projects





# 01

## RAWAS INN COMPOUND

The project located in Yanbou city in Saudi Arabia, it covers a land area of 15.5 Ha (155,000 sq.m.), the main goal of the project is to provide a variety of housing units which include many types of townhouses, apartments and Community facilities (Masjid, Schools and clinics).

mkab has provided urban design, landscaping, full engineering and architectural design.

### Project Info:

Client: Elevate  
Owner: Private Sector  
Location: Yanbou - Ksa



Rawas Inn compound Site layout







Master Plan



Residential Building



Town houses







## 02 QIRAN PROJECT

The site covers a land area of 220 Ha (2,200,000 sq.m.) which is located in Riyadh in Saudi Arabia, the project is a residential community providing a variety of housing types catering to the needs of Saudi nationals with self-sustained facilities

the project includes mixed use of Residential apartments, Townhouses and Community Facilities

### **Project Info:**

Client: TIMCO  
Owner: MINISTRY OF HOUSING  
Location: RIYADH KSA



Master Plan



Town houses



Residential Building





# 03 RESIDENTIAL COMPOUND

The project covers a land area of 75 Ha (750,000 sq.m.) which is situated in the Riyadh in Saudi Arabia, the project includes Residential apartments, Townhouses and Community Facilities

## Project Info:

Client: TIMCO  
Owner: MINISTRY OF HOUSING  
Location: RIYADH-KSA



Residential Compound Site layout view





Residential Building



Mixed Use Building







## 04 RESIDENTIAL BUILDINGS

---

mkab has provided comprehensive Architectural and Engineering design services, landscape and Graphics design for many of Residential projects (Towers, hotels and Villas).

### **Project Info:**

Client: Private sectors  
Owner: Private sectors



■ Private Villa  
Jeddah ,KSA



■ Private Villa  
Cairo , Egypt





Private Villa  
Cairo , Egypt



Private Villa  
New Cairo , Egypt









# 05

## OFFICE BUILDING

---

The project consists of 18 floors and covers a land area of 900 m2, the main goal of the project is to provide a variety of office units .

the building has been designed as a steel building system.

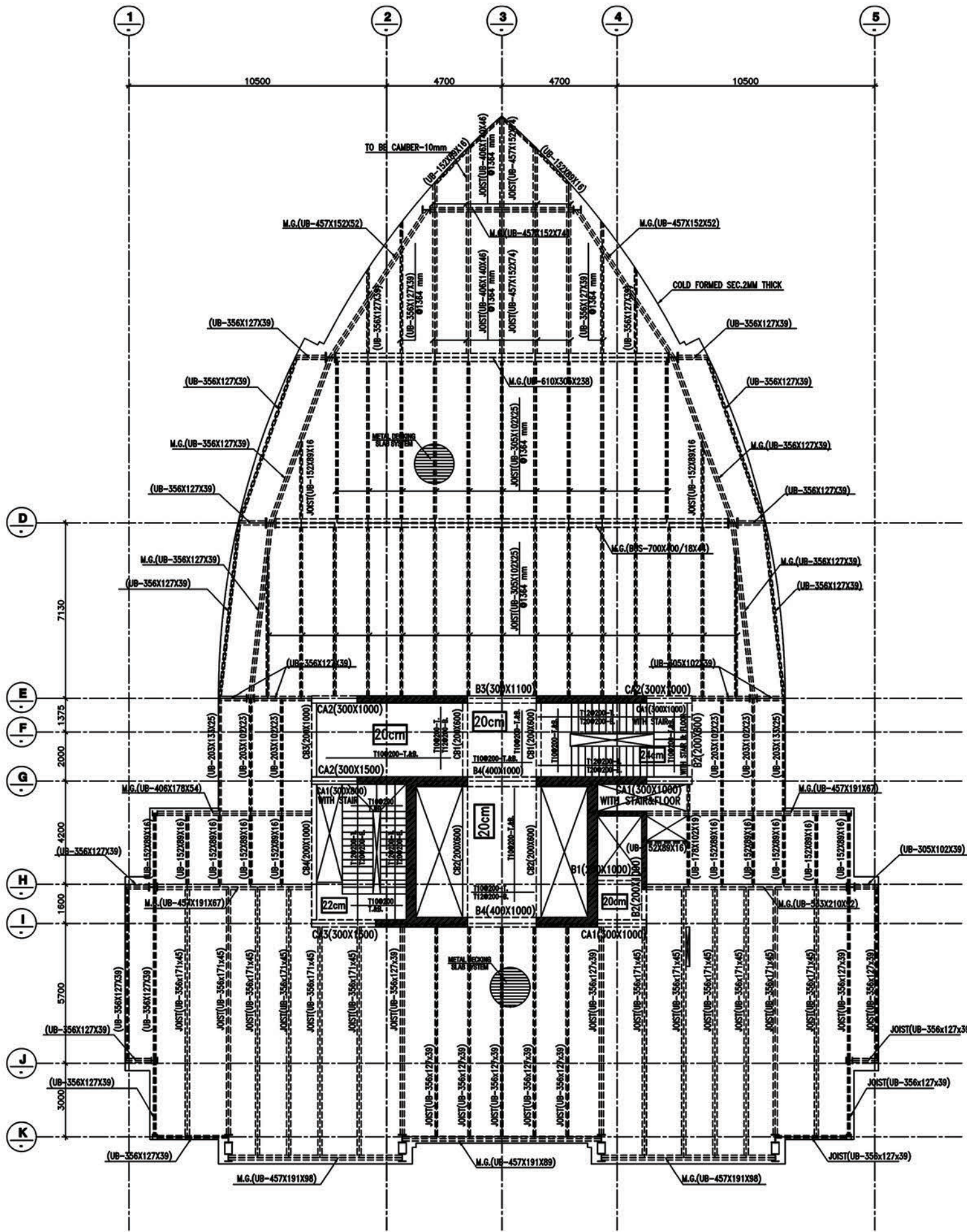
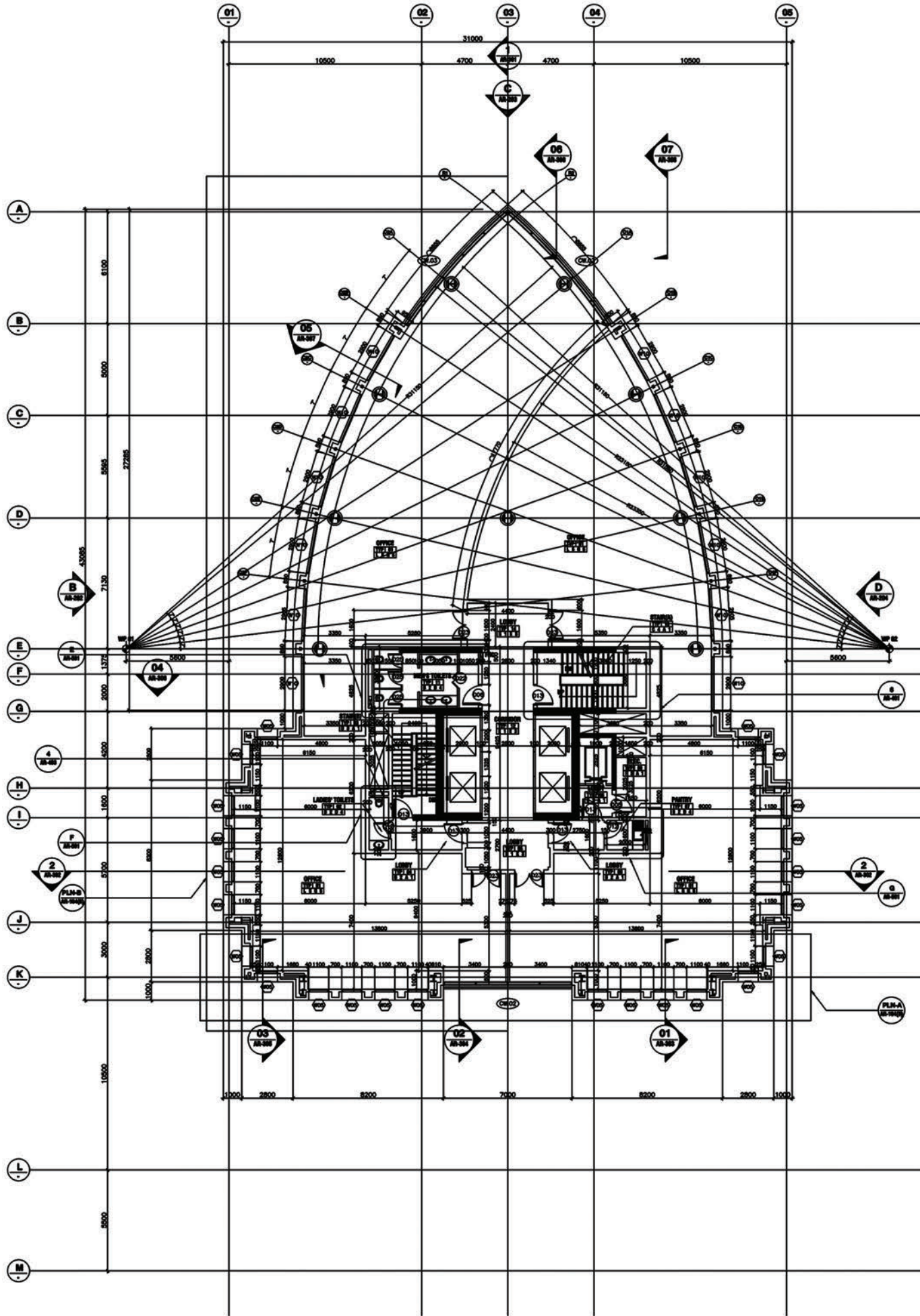
### Project Info:

Client: Private sector  
Location: Saudi Arabia – Al khobr





OFFICE  
BUILDING  
TYPICAL  
FRAMING  
PLAN





# 05

## INTERIOR DESIGN

mkab has provided different comprehensive interior design services for many projects.

### Project Info:

Client: Private Sectors  
Owner: Private Sector



Living room











## 06 BRIDGES PROJECTS

mkab has designed many of concrete and steel bridges, with expertise in all types of precast prestressed concrete I - girders and concrete box girder.

We are also regional leaders in unique long-span pedestrian bridge design.

### **Project Info:**

Client: Private sectors

Owner: Ministry of Transportation



Sample Projects for Concrete Bridges , KSA





Concrete I Girders bridge , KSA

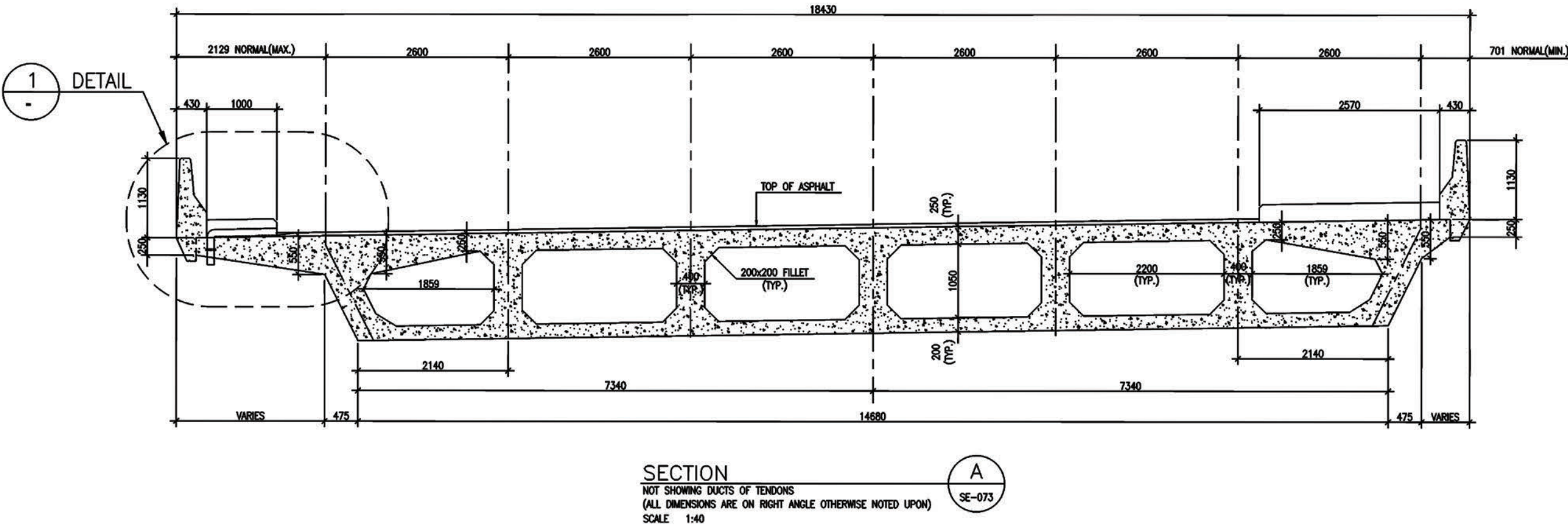
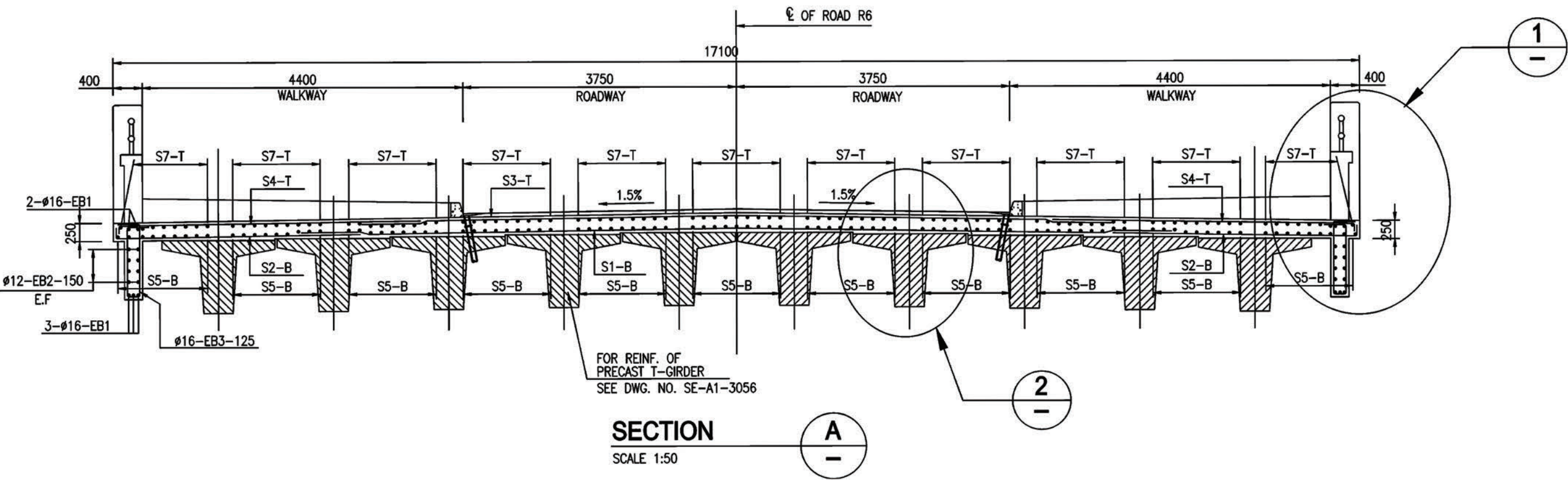


Sample Projects for Concrete Bridges





SECTIONS  
FOR  
SELECTIVE  
BRIDGES



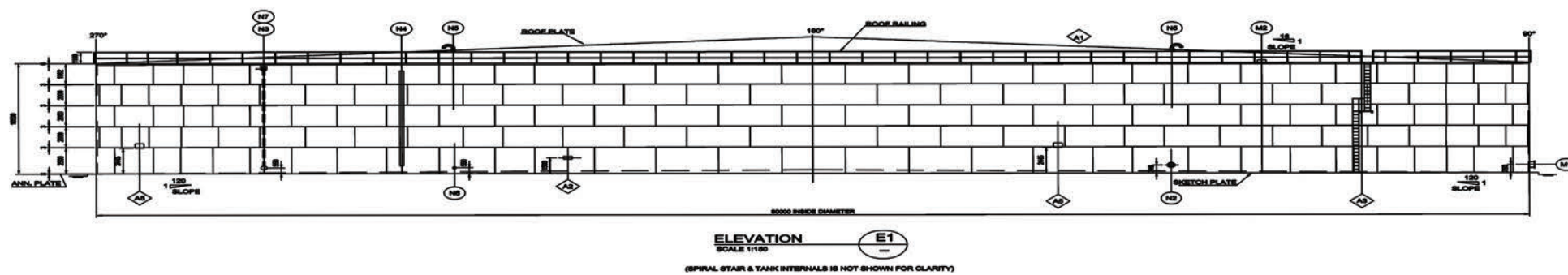


## 08 STEEL TANKS

The project consists of four steel tanks with diameters from 60 m to 80m and 11 m height, the tanks were used for storage potable and irrigation water.

### Project Info:

Client: Private sector  
Location: Saudi Arabia – Damam

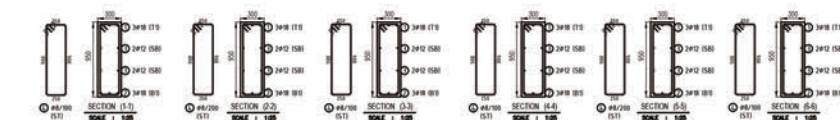
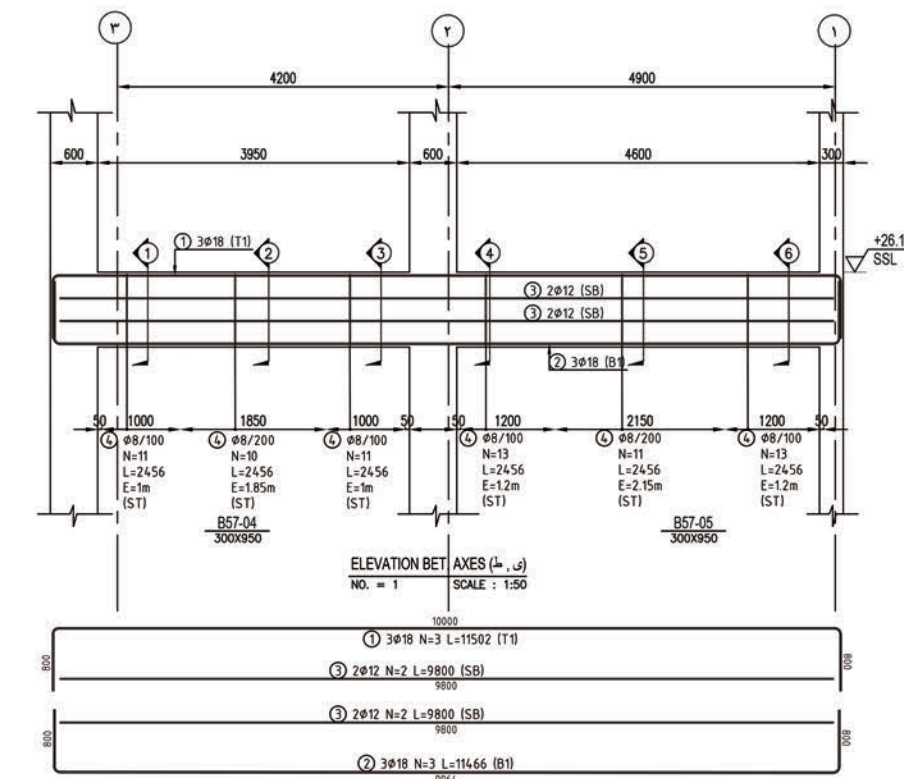
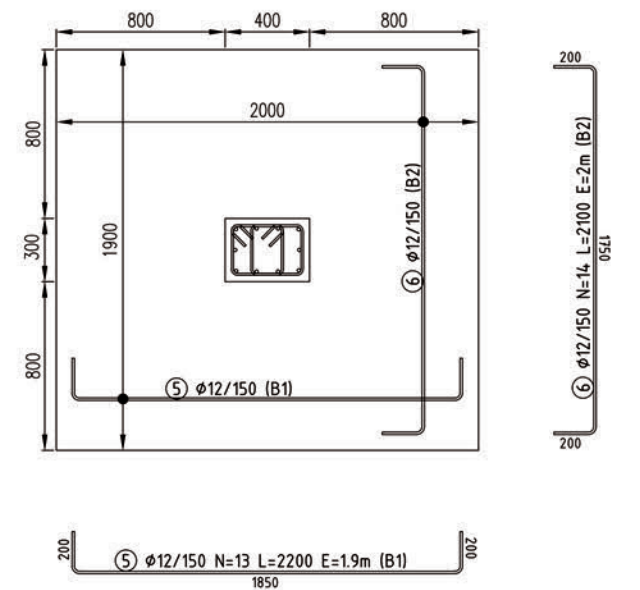


# 09

## STRUCTURAL SHOP DRAWINGS

## Shop Drawings

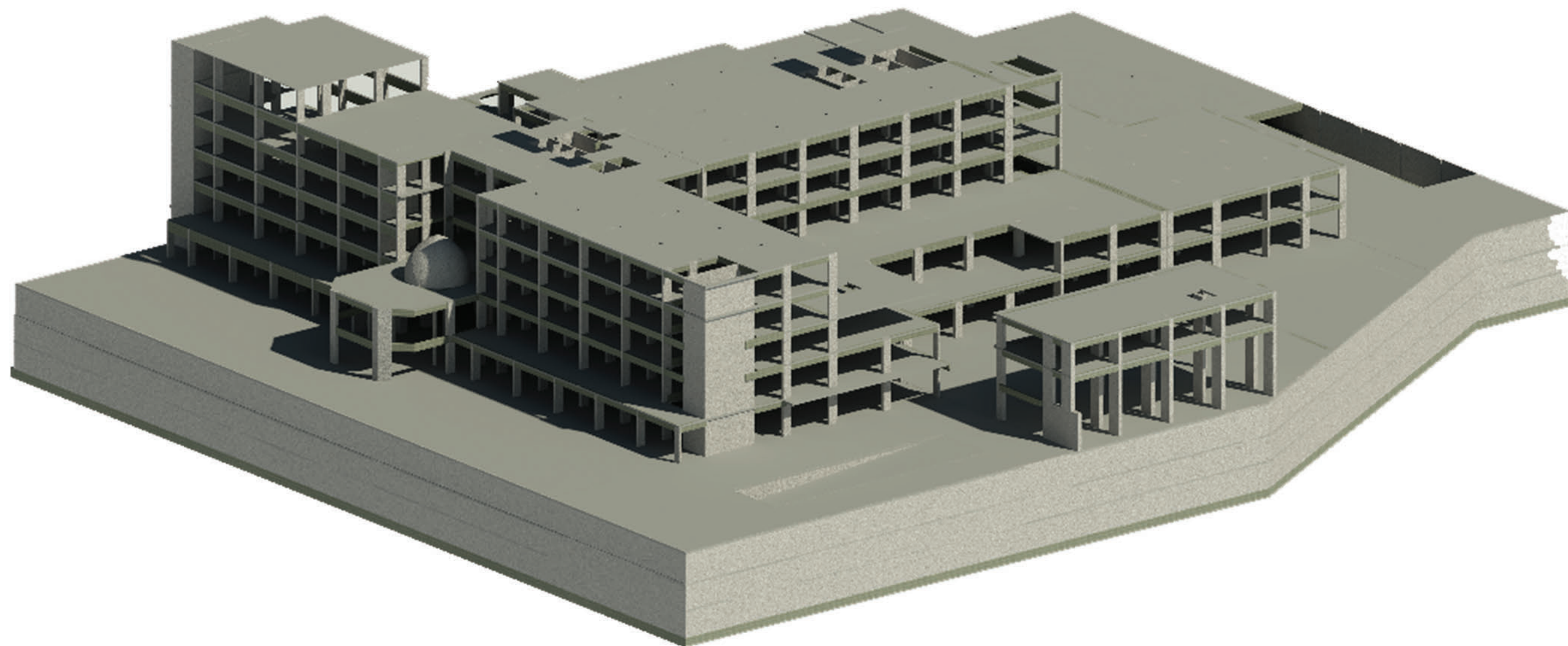
We have an efficient and experienced team of professionals who guarantee to provide high quality services in structural drafting and detailing services

[illegible]





Saudi German Hospital  
Alexandria , Egypt



# 10 BIM SERVICES

Building Information Modeling (BIM) is an intelligent 3D model-based process that gives architecture, engineering, and construction (AEC) professionals the insight and tools to more efficiently plan, design, construct, and manage buildings and infrastructure.

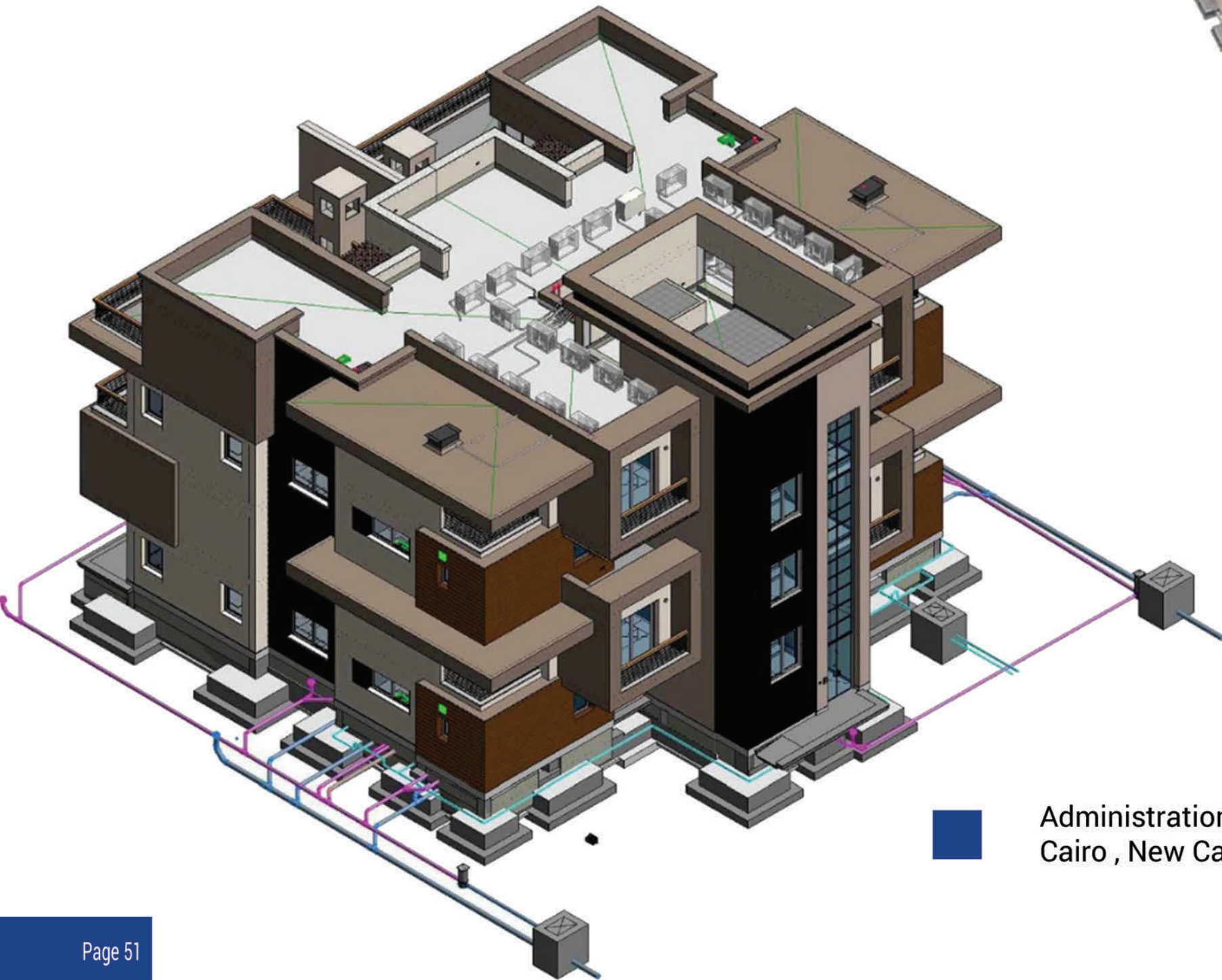
We provide our customers with innovative BIM engineering solutions and quality project management. In addition, we provide a full range of our architectural and engineering services with the support of our team of dedicated professionals. Ultimately to achieve maximum results for the requirements of our customers.

## **Our Services:**

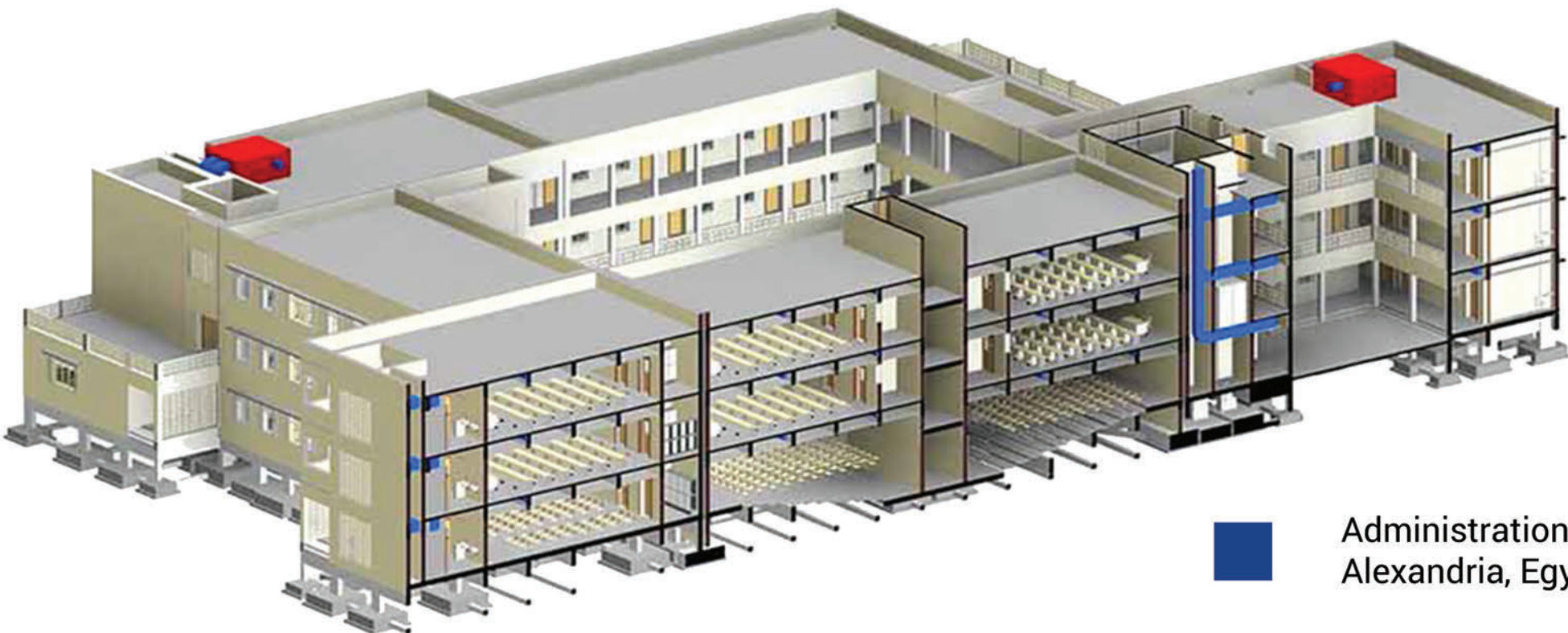
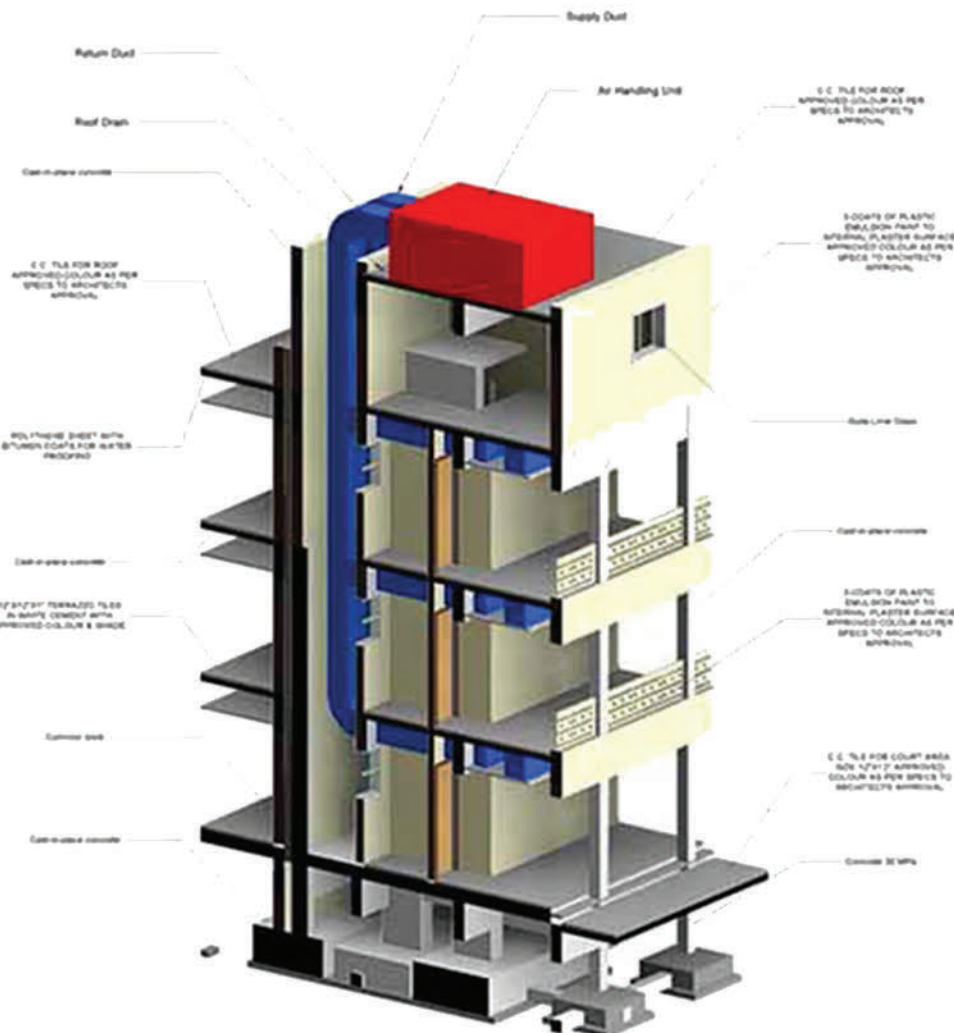
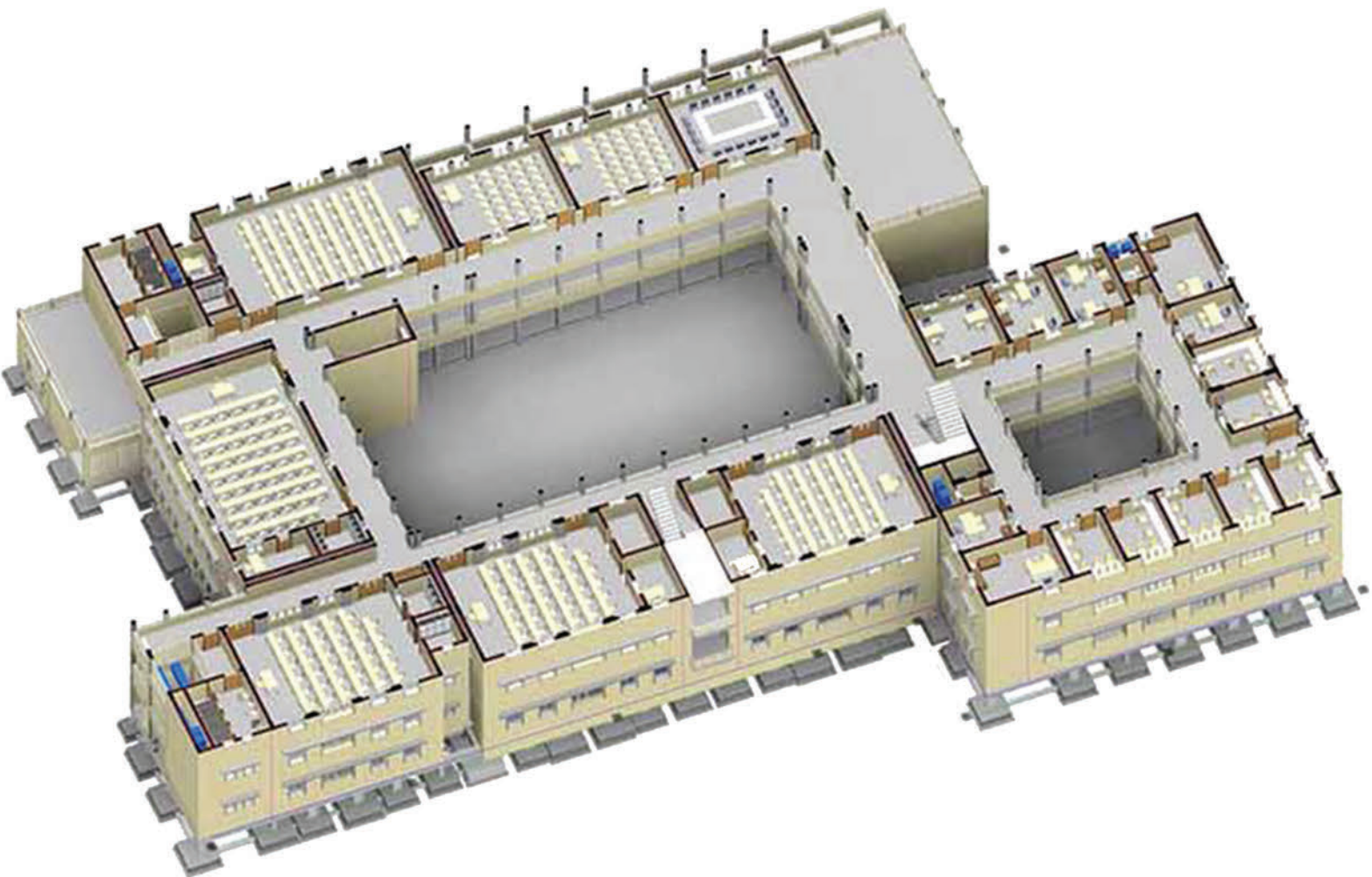
- Multi-discipline (architectural, structural, MEP) Modeling up to LOD 500
- 4D, 5D Simulations.
- Coordination Drawings
- Clash Detections report.



# ARCHITECTURAL BIM MODELS



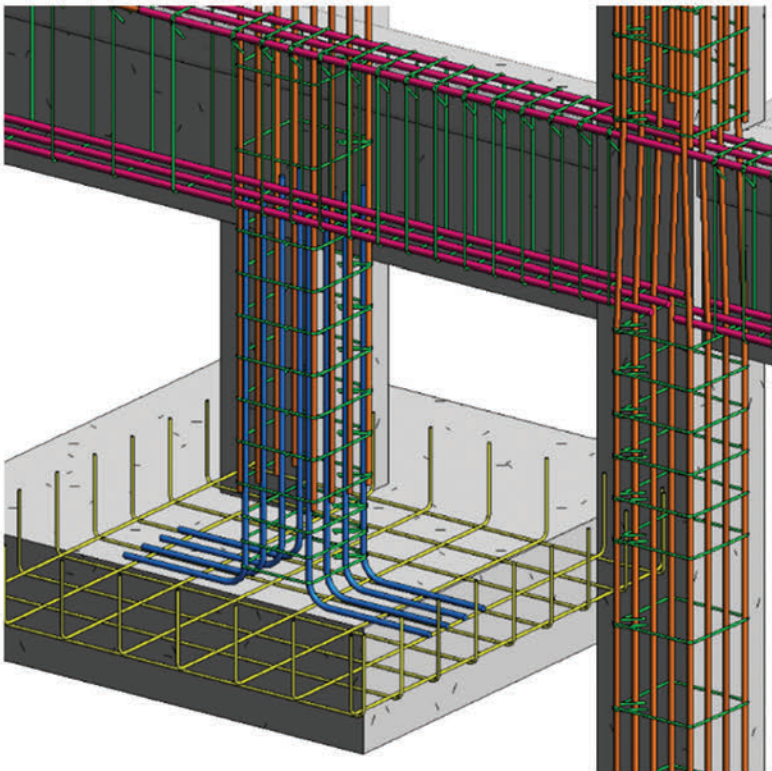
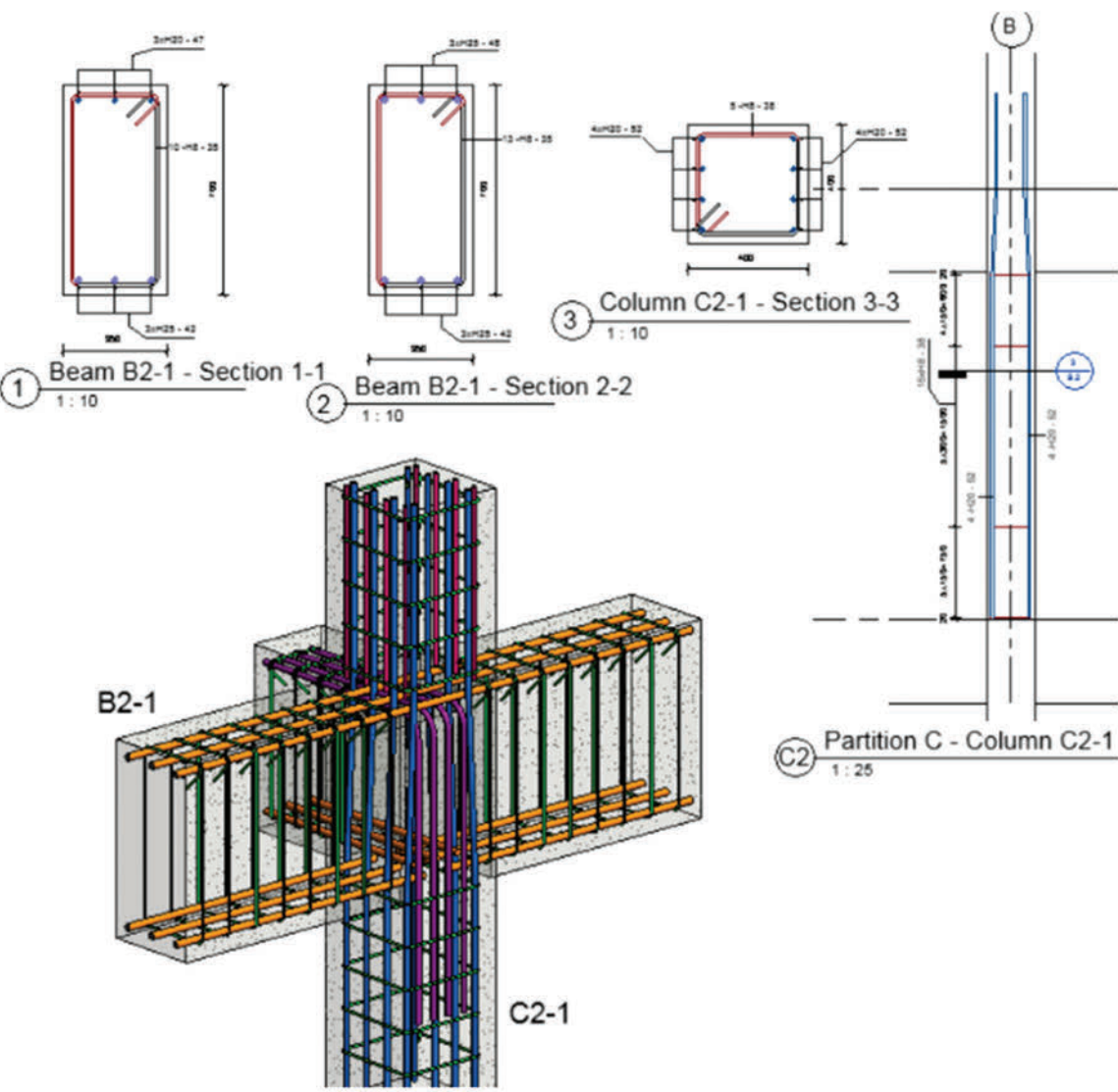
Administration Building  
Cairo , New Capital



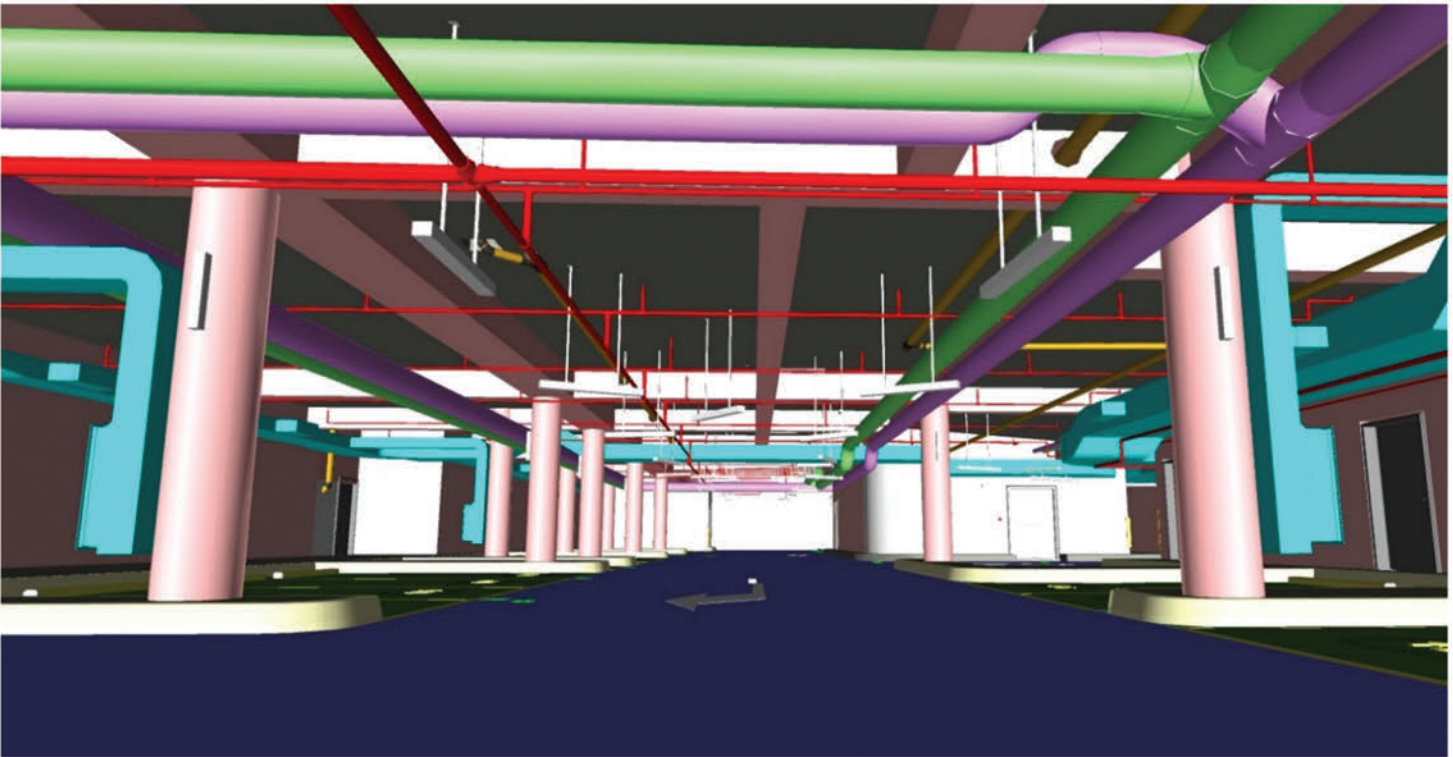
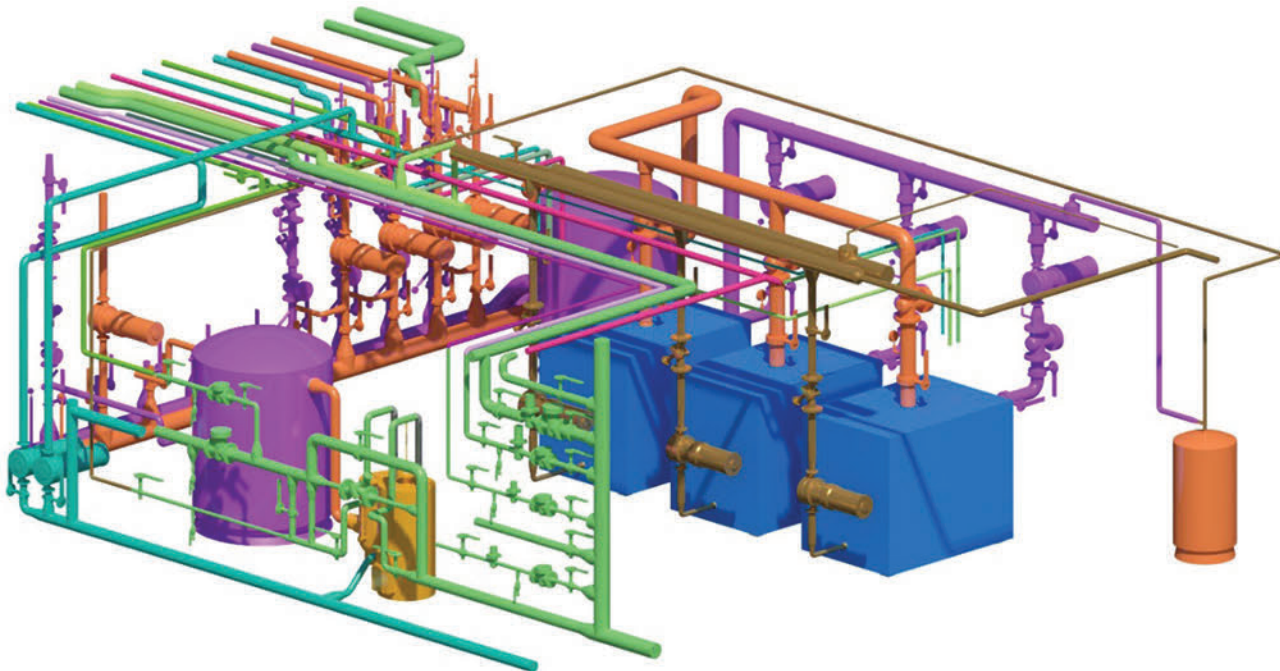
Administration Building  
Alexandria, Egypt



# STRUCTURAL BIM MODELS

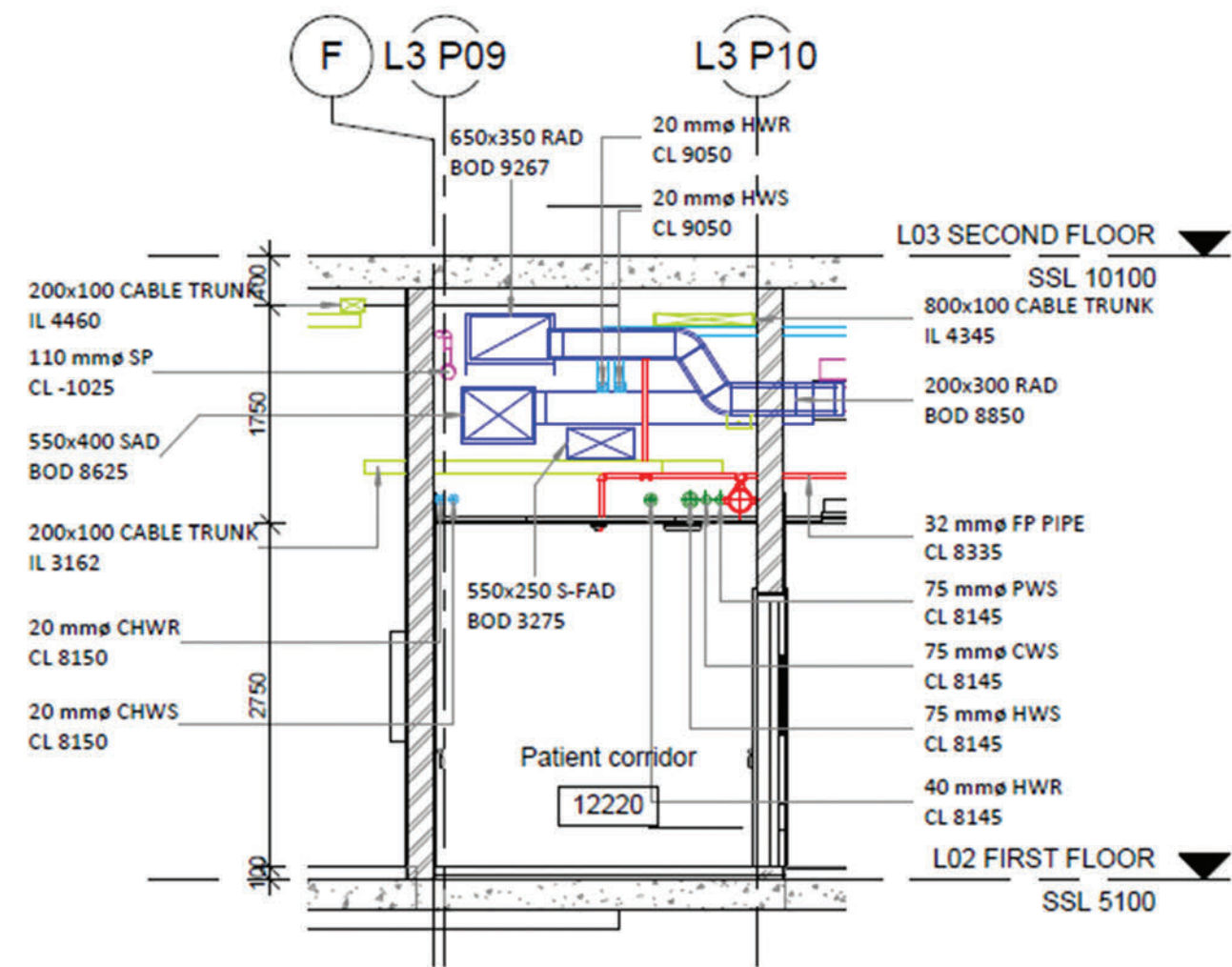
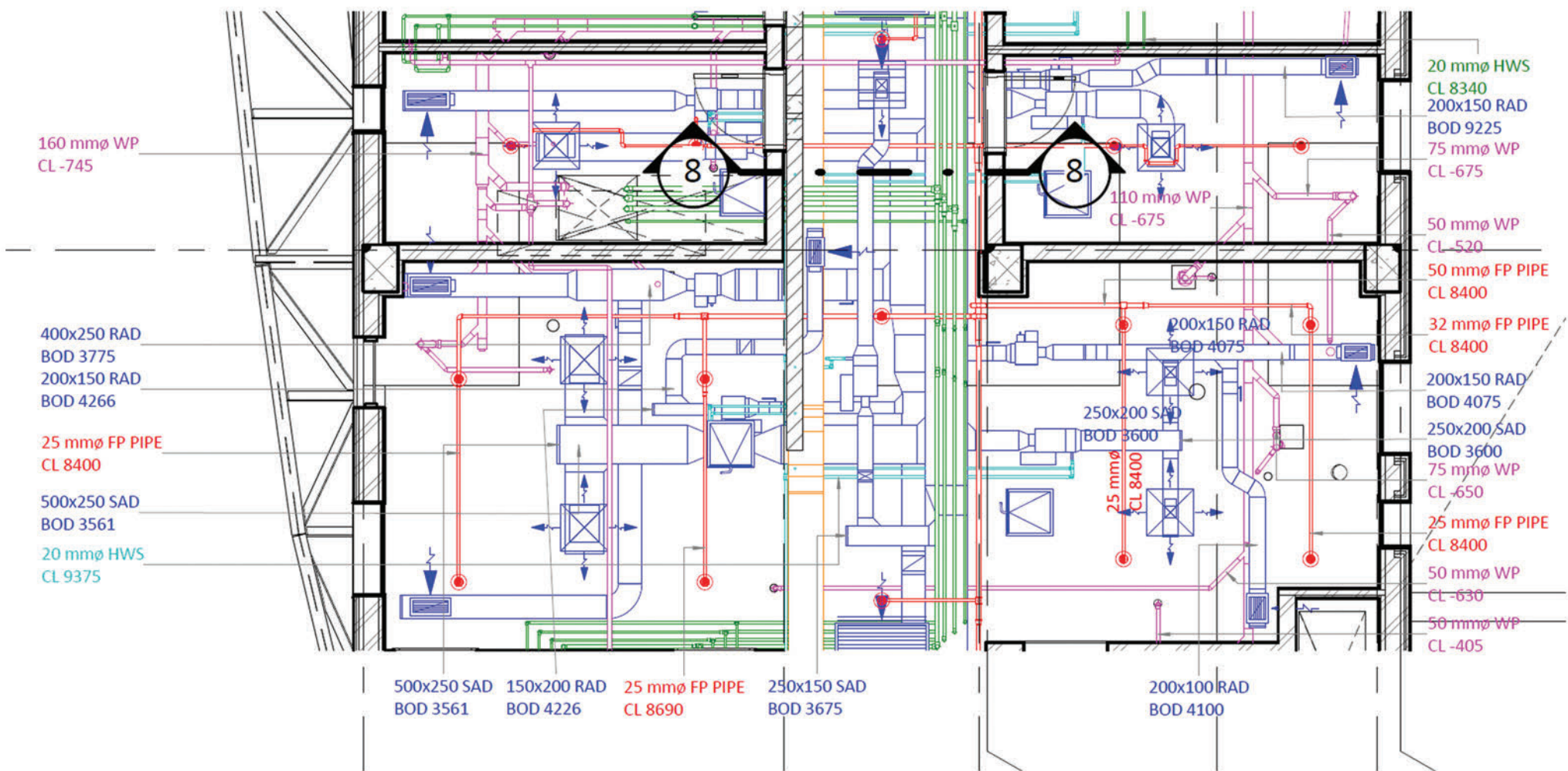


# MECHANICAL BIM MODELS





COORDINATION  
DRAWINGS





# 11

## STRUCTURAL PROJECTS

We closely coordinate and supervise construction and offer expert technical consulting services throughout the project. Besides, we offer Project Management or Construction Management / General Contractor Services

### PHARMACY COLLEDGE

Alexandria, Egypt

#### Owner:

Arab Academy for Science, Technology & Maritime Transport

#### Project description:

Built – up Area: 2800 m2

Construction cost: 42,000,000 EP

#### Scope of Work:

Technical support for main contractor at site  
Structural design  
Structural shop drawings



### ALGERIA HOSPITAL

Algeria

#### Owner:

Saudi Government

#### Project description:

The hospital consists of four multi - story buildings:

B01 : Built – up Area: 1960 m2

B02 : Built – up Area: 880 m2

B03 : Built – up Area: 295 m2

B04 : Built – up Area: 250 m2

#### Scope of Work:

Structural design  
Structural shop drawings

### SAUDI GERMAN HOSPITAL

Alexandria, Egypt

#### Owner:

Saudi German Hospital group

#### Project description:

Built – up Area: 20000 m2

Construction cost: 380,000,000 EP

#### Scope of Work:

Technical support at site  
Structural design  
Structural shop drawings  
Revit model



## BURG AL ARAB BRIDGE

Alexandria, Egypt

### Owner:

New Borg El Arab City Authority

### Project description:

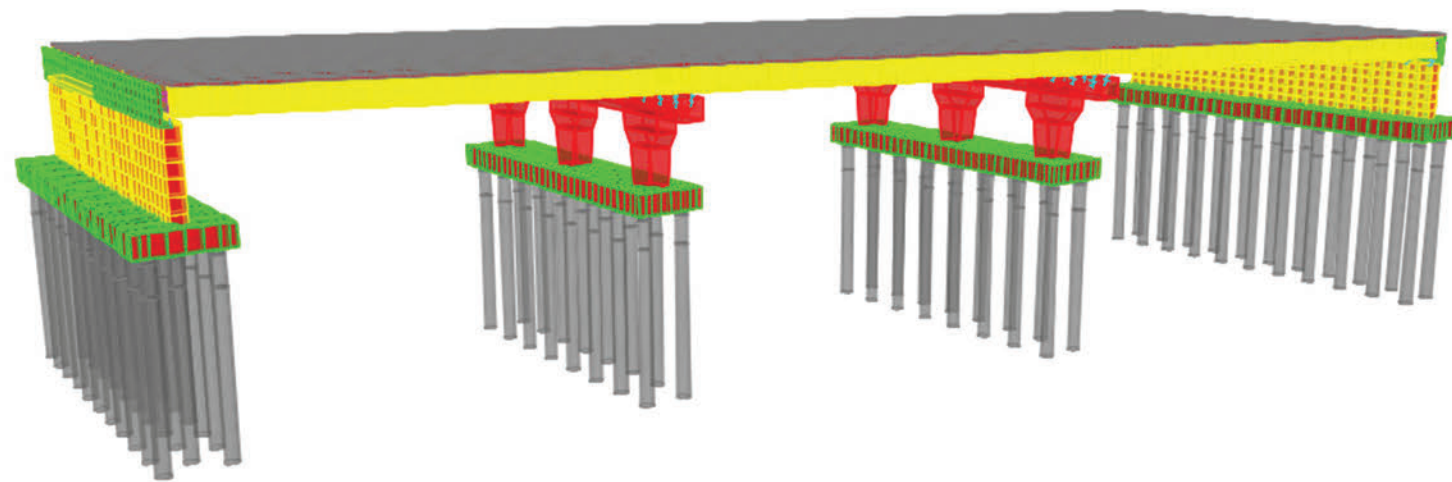
The project consist of:

- Main concrete bridge with 100m length (three spans with precast T-girders)
- Two secondary concrete bridges (one span bridge with 20 m length)
- Concrete culverts

Construction cost: 250,000,000 EP

### Scope of Work:

Technical support for main contractor at site  
Structural design and review  
Structural shop drawings



## BIN DARWISH TOWER

Makkah, Saudi Arabia

### Owner:

Bin Darwish

### Project description:

The project consists of three multi-story towers, restaurant, multipurpose hall, and three basements

Construction cost: 800,000,000 Saudi Riyal

### Scope of Work:

Structural design  
Technical support for main contractor at site

