



**EDGES**  
**Engineering Consultancy**

Established 2014

From the depth of your ideas ...  
We construct the EDGES of your vision



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

 [instagram social media](#)

 [facebook social media](#)

Tel. / Fax: 002 02 2344 3037

Address: Gardenia Mall, 5<sup>th</sup> Settlement, New Cairo, Egypt

[info@edgescons.com](mailto:info@edgescons.com)

## Who we are

EDGES has been established by young dynamic engineers with experience in the construction and design industry. Located in Cairo, EDGES has gone through different projects in Egypt and Kingdom of Saudi Arabia while seeking to provide its services throughout the whole Middle-East, ranging from shop drawings production to explicit and complex designs including specific timetable for the entire construction process. EDGES has proved that it will thrive in this business through its brilliance in tackling its projects and to satisfy its clients' expectations.

## What we offer

EDGES engineering offers its partners several solutions for their needs, starting from ideas for designs to the final output.

We offer our partners the following:

Full engineering designs for all trades and Design studies

Value Engineer ( Planning , Cost Control , BOQ )

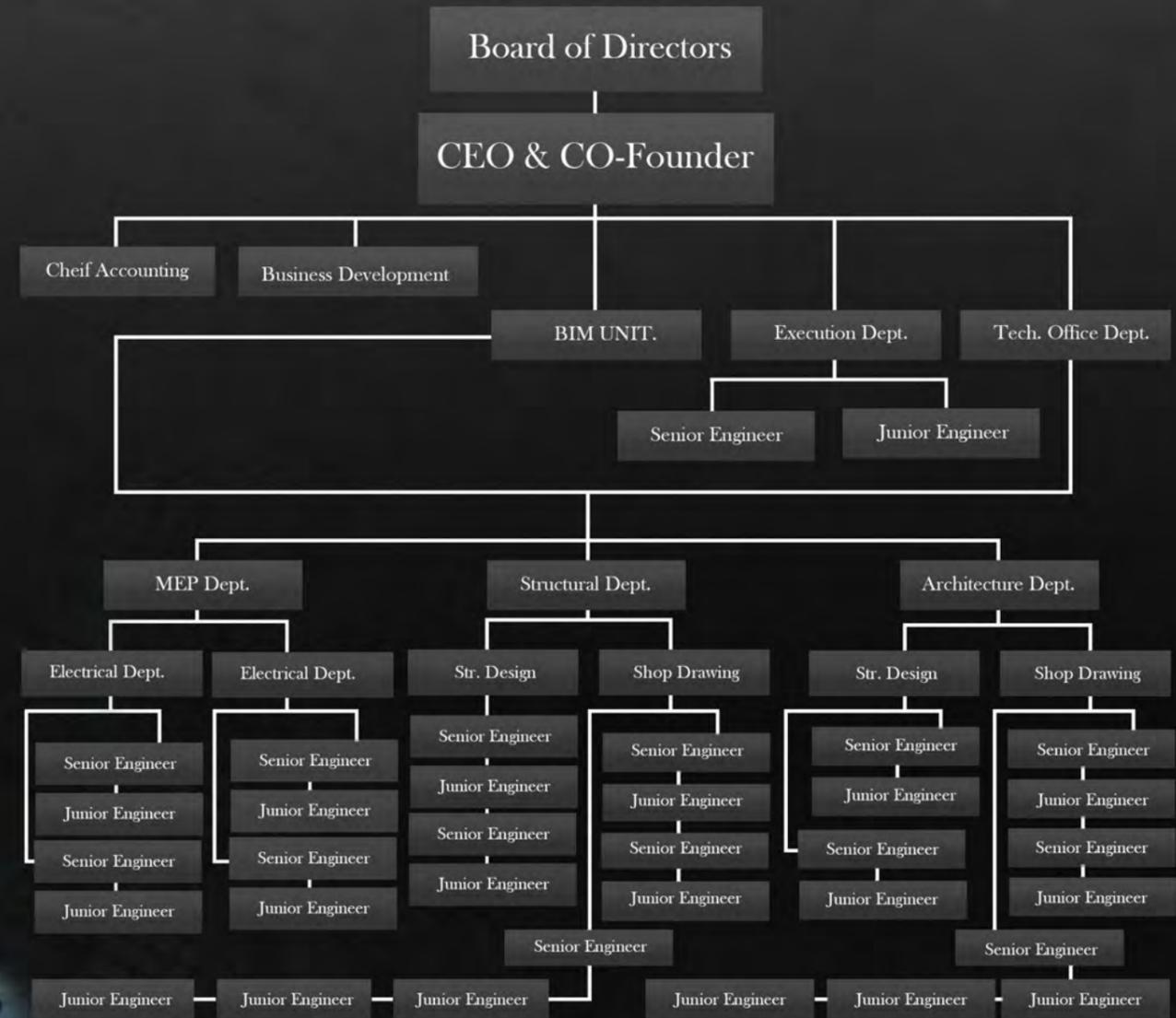
Shop drawings for all trades

Interior and Exterior designs

3D Visualization

Quality Control

Contracting & Execution



Contact Us:

Tel,fax : 002 02 25658414  
 Address: Gardenia Mall, 5th  
 Settlement  
 New cairo, Egypt  
 info@edgescons.com

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



## Our Partners in success



## CONTENT

EDGES proudly participated in the following projects :



### - EDGES TOP PROJECTS

- King Abdul-Aziz International Airport
- King Abdulaziz International conference center
- KING ABDELAZIZ Mosque Utility Diversion
- National Theater Building
- JABAL OMAR

### - COMMERCIAL PROJECTS

- ARK BUSINESS DISTRICT PHASE 3
- KING ABDELAZIZ INTERNATIONAL CONFERENCE CENTER
- Mirkaaz Mall
- R03
- Mivida Mixed-use Boulevard
- AAIB New Head Quarters- Ninety
- Arab African International Bank central
- Suez Canal Bank , New Capital
- CIB, New Capital
- Boulevard Mall
- CAIRO ,GATE RESIDANCE

### - HOSPITALITY PROJECTS

- Al-Masah -HOTEL
- MARASSI HOTEL
- JABAL OMAR
- RAFFLES HOTEL AND BRANDED RESI-
- SIX SENSES

### - BIM PROJECTS

- RAFFLES HOTEL AND BRANDED RESI-
- AL KHRJ ENTERTANMENT COMPLEX
- RAMHAN ISLAND RAMHAN ISLAND
- Marina Triple Bay Hotel.
- REDSEA AMAALA WELLNESS CORE
- MIXED-USE ARTLIFE
- OLAYAN AL BUSTAN INNOVATION BUSINESS PARK
- Oberoi Hotel & Branded Residences Wadi Safar Diriyah
- Soul Compound

### - INDUSTRIAL PROJECTS

- Allam Wood Division Factory

### - RESIDENTIAL PROJECT

- 90 AVENUE
- MZ Club House
- Mivida Lake District 1&2
- Business District - Hyde Park
- Villa Ali Al-Zemami
- Villa B33
- Loloah October Housing
- R 05, New Capital
- I-City October
- Badraig Compound (Main Villa)
- Uptown Cairo
- RAFFLES HOTEL AND BRANDED RESI-
- TRC-01 / TERRACE - NH-12
- ARK BUSINESS DISTRICT PHASE 3 Buldings L
- MNS1 palace

### - HIGHT RISE BULDING

- Iconic Tower Alamin
- AEON Tower

### - UTILITIES PROJECTS

- Switching Station 1 (Electrical Station)
- LAHEQ ISLAND
- Namangan WWTP - 100,000 m3/day Uzbekistan
- Waste Water Pumping Station
- EXPANSION OF SAKAKA SEWAGE TREAT-

### - PUBLIC SERVICE PROJECT

- NC1 OPERATIONS HUB – GOLF FACILITY
- BRITISH BRIGHT SCHOOL
- RIYADH REGION
- High Speed Rail Station
- Greater Cairo Metro Line 4
- Transportation Hub & Walkways
- Sphinx International Airport

## Our Clients



**Shady Taha**  
CEO & CO Founder

**Samy Khaled**  
Technical Office Manager

**Administration**  
Department

**Architectural**  
Department

**Structural**  
Department

**Electro – Mechancial**  
Department

**Bim Unit**

**Ahmed Bayoumi**  
CFO

Mohamed Fouad  
IT Manager

**Mohamed Adel**  
Head Of Arch.

**Osama Tarek**  
Head Of Str.

**Karem Ali**  
Head Of MEP.

**Mohamed Gad**  
BIM Manager

Ahmed El sayed  
Accounting Manager

Office Manager

Mohnd Metwaly  
Arch. Tech. Office Eng.

Nada Ali  
Arch. Tech. Office Eng.

Nurhan Osama  
Str. Tech. Office Eng.

Ashraf Hakim  
Str. Tech. Office Eng.

Karem Adel  
Senior low current

Shimaa Salah  
BIM Mech. Eng.

Nada Ali  
Coordinator

Ahmed Ashraf  
Accountant

Nahed El Said  
Office Lady

Mansour Ahmed  
Arch. Tech. Office Eng.

Asma Gamal  
Arch. Tech. Office Eng.

Mohamed Sadaany  
Str. Tech. Office Eng.

Salah El Khayat  
Str. Tech. Office Eng.

Mohamed Nabil  
Elec. Team Leader.

Derbala Mohamed  
Mech. Team Leader.

Derbala Mohamed  
Coordinator

Mohamed Ibrahim  
Office boy

Remon Rateb  
Arch. Tech. Office Eng.

Nada Maged  
Arch. Tech. Office Eng.

Reham Faisal  
Str. Tech. Office Eng.

Abdallah Nasf  
Str. Tech. Office Eng.

Moustafa El Toukhy  
Elec. Tech. Office Eng.

Eslam Mohamed  
Mech. Tech. Office Eng.

Mohnd Metwaly  
Coordinator

Mohamed AbdelSalam  
Arch. Tech. Office Eng.

Youstina Hany  
Arch. Tech. Office Eng.

Ahmed Abdelraouf  
Str. Tech. Office Eng.

Emam Ali  
Str. Tech. Office Eng.

Farah Gamal  
Elec. Tech. Office Eng.

Sara Mohamed  
Mech. Tech. Office Eng.

Abdallah Nasf  
Coordinator

Salma Akram  
Arch. Tech. Office Eng.

Sandra Samir  
Arch. Tech. Office Eng.

Mohamed Noshy  
Str. Tech. Office Eng.

Ali gamal  
Str. Tech. Office Eng.

Mohamed Ahmed  
Elec. Tech. Office Eng.

Amr Ahmed  
Mech. Tech. Office Eng.

Marwa Mohamed  
Arch. Tech. Office Eng.

Dina Ahmed  
Arch. Tech. Office Eng.

Abrar Kamel  
Str. Tech. Office Eng.

Ahmed Neamatallh  
Str. Tech. Office Eng.

Mohab mohamed  
Elec. Tech. Office Eng.

Mohamed Dawaa  
Mech. Tech. Office Eng.

Maysoon Mohamed  
Arch. Tech. Office Eng.

Maria Basam  
Arch. Tech. Office Eng.

Karem El-shewy  
Str. Tech. Office Eng.

Zayed Amin  
Str. Tech. Office Eng.

Mahmoud Magdy  
Draftsman

Amr Medhat  
Arch. Tech. Office Eng.

Mostafa Samy  
Arch. Tech. Office Eng.

Ahmed Khalaf  
Str. Tech. Office Eng.

Mahmoud Senosule  
Str. Tech. Office Eng.

Tawfik Mohamed  
Str. Tech. Office Eng.

Mohamed Sayed  
Str. Tech. Office Eng.



# EDGES TOP PROJECTS



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Tel. / Fax: 002 02 25658414

Address: Gardenia Mall, 5<sup>th</sup> Settlement, New Cairo, Egypt

[info@edgescons.com](mailto:info@edgescons.com)

Partner in success & Client



## King Abdulaziz International Airport Jeddah, Saudi Arabia

King Abdulaziz International Airport is considered the biggest airport in Saudi Arabia and the Middle East. The pilgrim's hall is the main hall and is considered the fourth biggest passengers hall in the world with an approximate area of 465,000 m<sup>2</sup>. The drawings are developed from shop drawings through re-drafting the drawings according to the approved CAD standards.

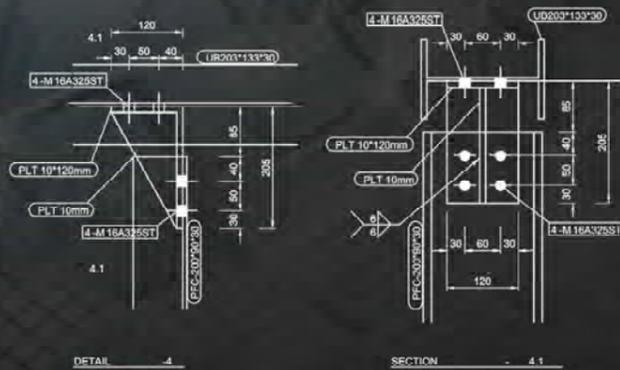
EDGES' scope contains all of the Orascom scope in KAIA, including roads, bridges, MSCP, tunnels storm water drainage and more.

EDGES receives an as-Built standard drawing guide that includes, layers, dimension style, line type, and text style, in order to unify the drawing sheets.

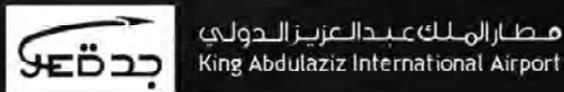
**Category:** Structural design verification, Design development, Shop Drawings, As-Built.

**Location:** Jeddah, Saudi Arabia.  
**Program:** Main Passengers Hall  
Southern Hall  
Northern Hall  
Pilgrims Hall

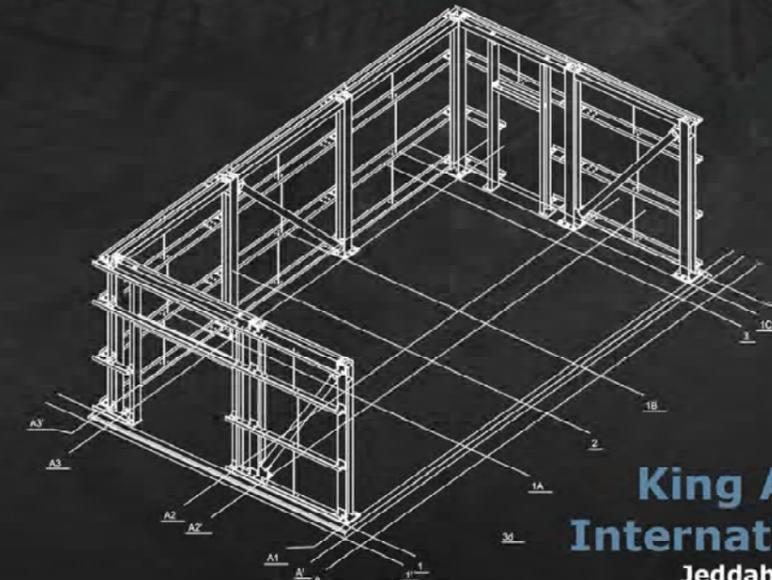
**Total sheets:** Over 3000 Sheets



KINGDOM OF SAUDI ARABIA المملكة العربية السعودية  
GENERAL AUTHORITY OF CIVIL AVIATION الهيئة العامة للطيران المدني  
KING ABDULAZIZ INTERNATIONAL AIRPORT مشروع تطوير مطار الملك عبد العزيز الدولي  
DEVELOPMENT PROJECT

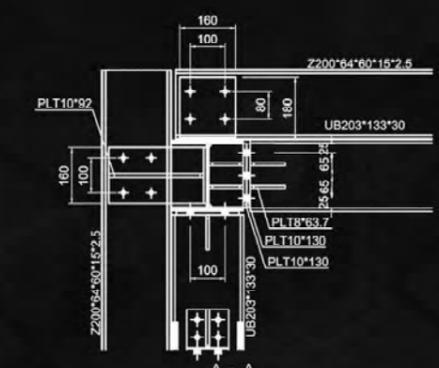
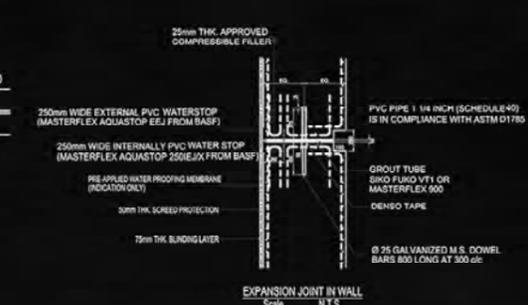
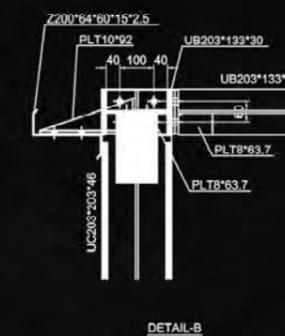
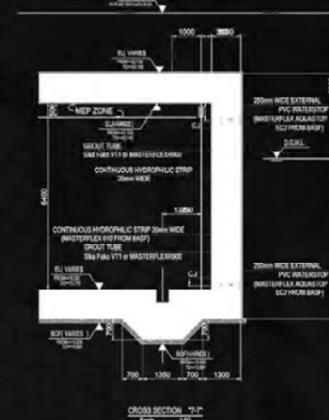
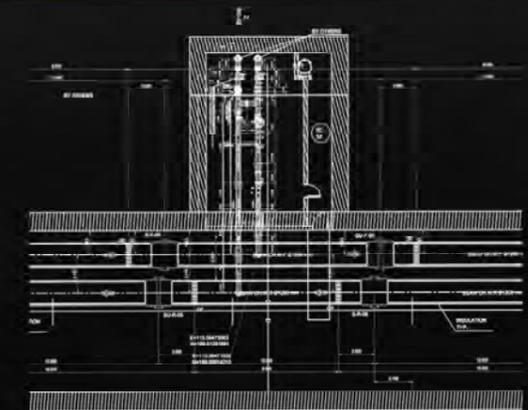


### AS-BUILT DRAWING STEEL STRUCTURAL



## King Abdulaziz International Airport Jeddah, Saudi Arabia

Grey water and irrigation network, storage and pumping facilities  
chlorination building, chiller compound super-structure











Client:



## King Abdulaziz International Conference center Riyadh, Saudi Arabia

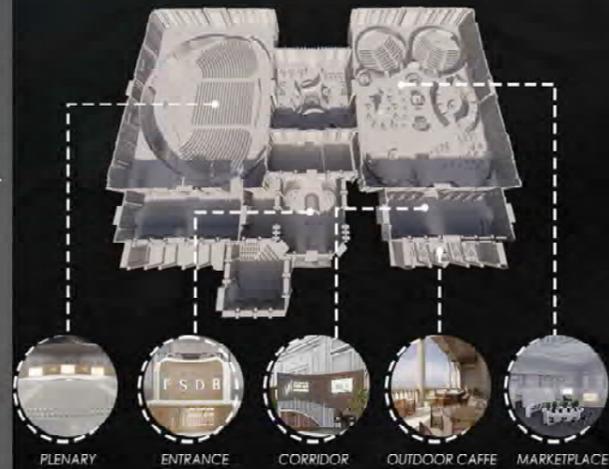
This project is located in King Abdulaziz international conference center with approximate area 24,500 m2 . It was required to fully create modern interior design to host different events there. It is divided into 10 different parts that includes plenary, workshops, booths, lounges and gathering areas.

**Category:** Architectural full design

**Location:** Riyadh, Saudi Arabia.

**Program:** Conceptual architectural design  
Full design of elements

**Total Area:** 24,500 m2





# BIM PROJECTS

We are actively implementing the ISO 19650 standard to stay up-to-date with BIM technology. Our commitment to adopting this international standard demonstrates our dedication to efficient project management and collaboration. By adhering to ISO 19650, we are able to streamline our processes, enhance data management, and improve overall project outcomes. Our proficiency in BIM is evident through our successful utilization of this standard, allowing us to deliver high-quality projects with greater accuracy and efficiency.





partner scussess



Client

## Al Bustan Business Park

Riyadh, Saudi Arabia

**Location:** Riyadh, Saudi Arabia

**Category:** Architectural, Structural & MEP Built-Up

**program:**

### Architectural Scope

Full Design Coordination across buildings, General Deliverables: Block Work, Partitions (Masonry & Lightweight), Flooring Systems, Wall & Ceiling Finishes, Reflected Ceiling Plans (RCPs), Internal & External Elevations, Stair & Roof

**Structural Scope** Detailed reinforcement shop drawings for all structural elements, Full coordination with architectural and MEP disciplines, Designed in accordance with SBC & ACI

**MEP Scope** High-level BIM development and coordination across all essential building systems, with modeled to LOD 400 for fabrication readiness. Services Included: Fire Fighting (NFPA Compliant), Plumbing (Water Supply, Drainage, Venting), Irrigation (Hardscape & Landscape), HVAC (Ductwork, Equipment, Piping & Controls)





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Client



# AL KHARJ ENTERTAINMENT COMPLEX EL KHARJ, Saudi Arabia

Category:

Architectural & Structural Development

Location: EL KHARJ, Saudi Arabia

Program:

The structural scope covers all activities related to reinforcement detailing and coordination for the project's concrete and structural elements, including:

**Slabs, Columns, and Beams:**  
Complete reinforcement detailing for all slabs, beams, and columns in accordance with the approved structural drawings and project specifications. Includes bar schedules, bending details, and placement drawings for proper construction execution.

**Core Walls:** Detailed reinforcement for all shear walls, elevator cores, and stair cores, ensuring structural integrity and compliance with seismic and design requirements

**Swimming Pool:** Reinforcement detailing for the swimming pool structure, including walls, slabs, and base, accounting for water-tightness and durability requirements.

**Coordination & Documentation:**  
Preparation of shop drawings, bar bending schedules, and reinforcement reports.

Coordination with MEP and architectural scopes to avoid clashes and ensure smooth construction.

Client



Project Management Consultant



Design Consultant



MAIN CONTRACTOR

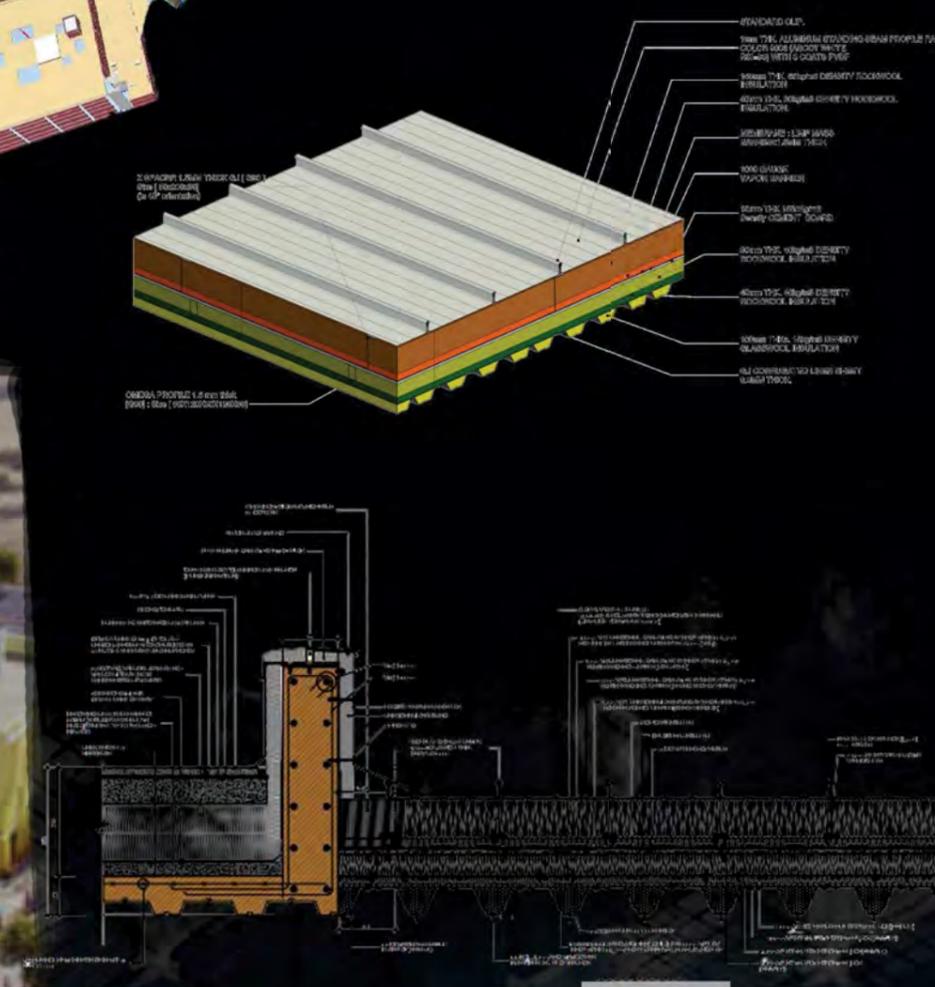
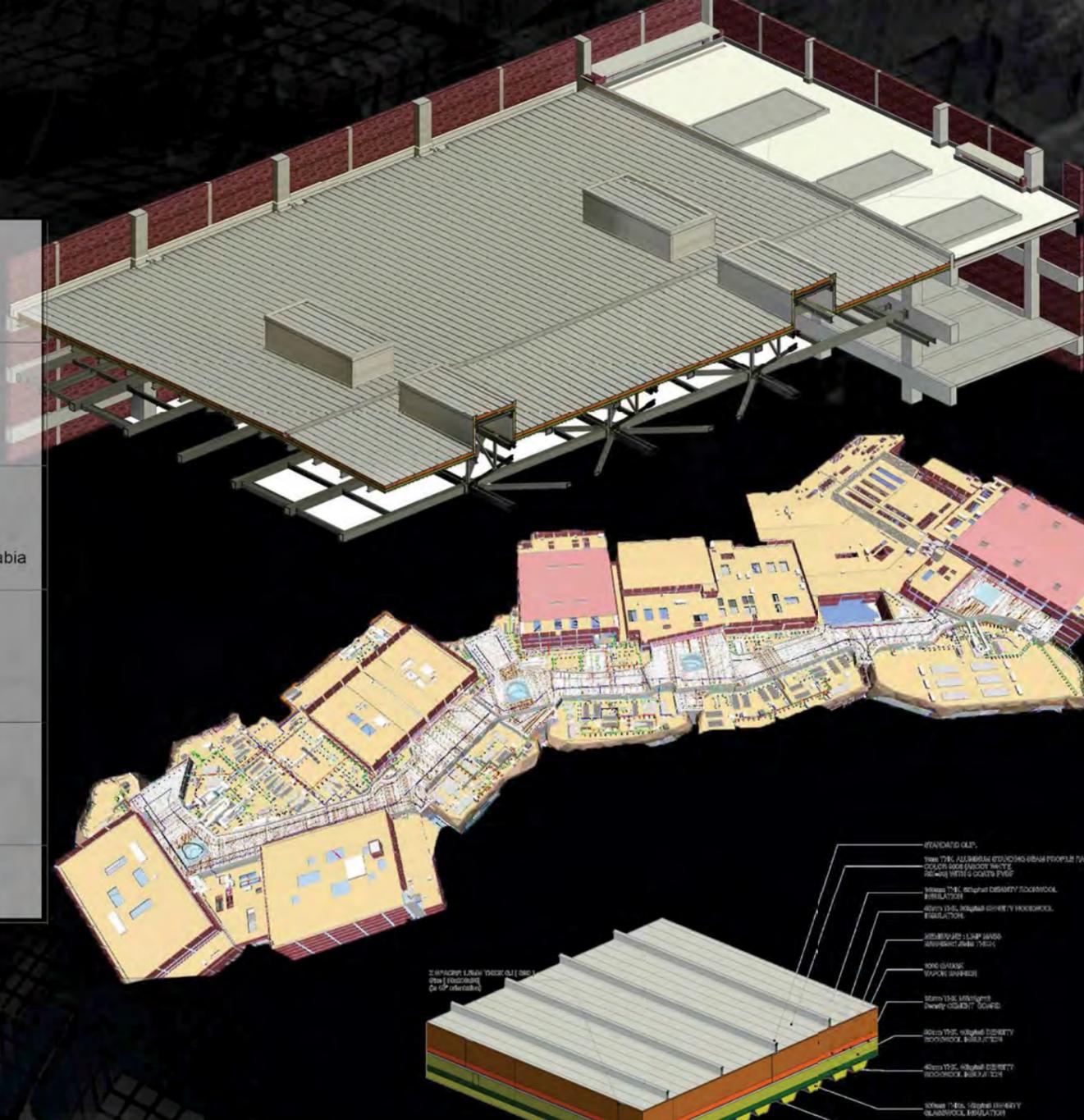


Contract Contractors



Project Title

AL KHARJ ENTERTAINMENT COMPLEX





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Client



Mixed-use Artlife

New Giza , 6 of october

ARTLIFE IS IN SHORT, AN ARTISTIC MASTERPIECE WHERE EVERY DETAIL COUNTS. NEWGIZA ENVISIONED AS THE OLD AND NEW ULTIMATE LIFESTYLE TOURISTIC DESTINATION.

Category: Architectural & Structural

Location: New Giza , 6 of october

Program:

Structural (STC) Scope of Work:

Buildings Covered: B01 and B06 and B02,B03

Modeling Level of Detail (LOD): LOD 350

Material: Concrete

Deliverables:

Full 3D modeling of all structural concrete elements with accurate dimensions

Coordination with Architectural (ARC) and MEP disciplines

Reinforcement detailing and shop drawings for all structural elements

Architectural (ARC) Scope of Work :

Buildings Covered:

B01, B02, B03, B06

Scope Packages:

Flooring Finishes Package, Reflected Ceiling Package, Wall Finishes Package, Internal & External Elevations , Enlarged Spaces Package, Stairs & Circulation Package, Wet Area Package

**PROJECT:**  
MIXED-USE - ARTLIFE **ART LIFE**

**OWNER:**  
**ART LIFE**

**LEAD CONSULTANT:**  
**ECG** **جمهورية مصر العربية**  
ENGINEERING CONSULTANTS GROUP S.A.  
www.ecgsa.com

**PROJECT MANAGEMENT:** **DEGLA CFM** CONSTRUCTION & FACILITY MANAGEMENT

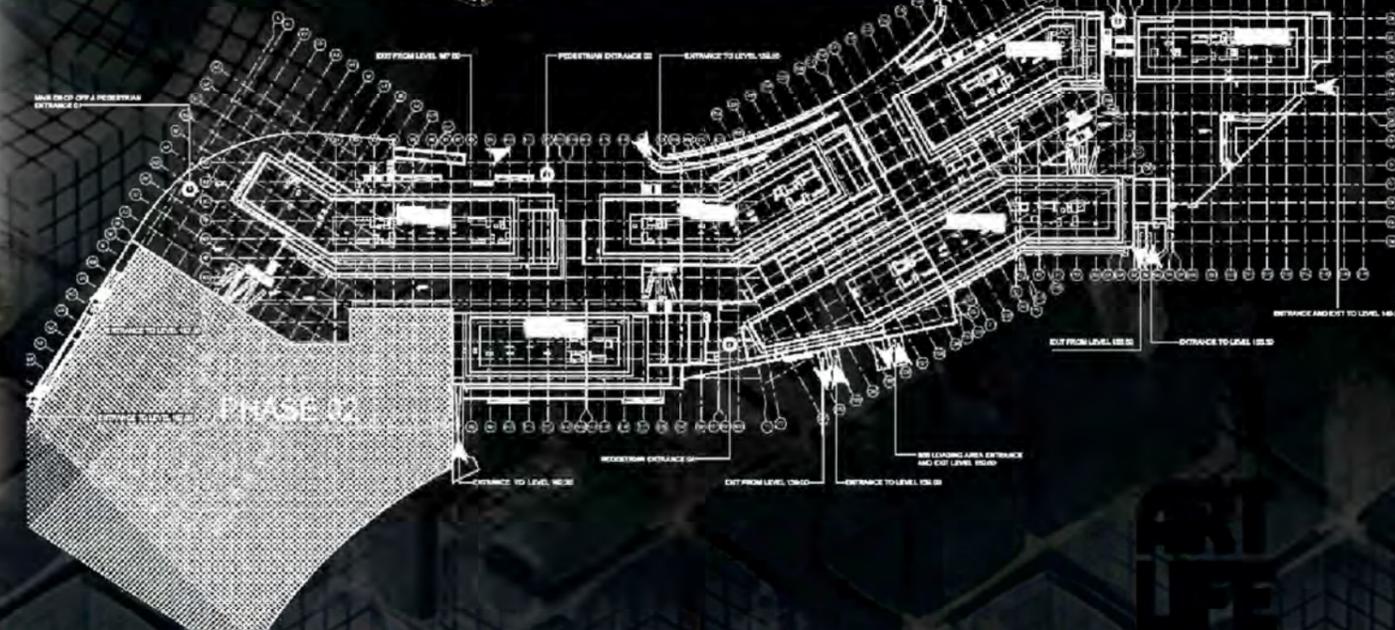
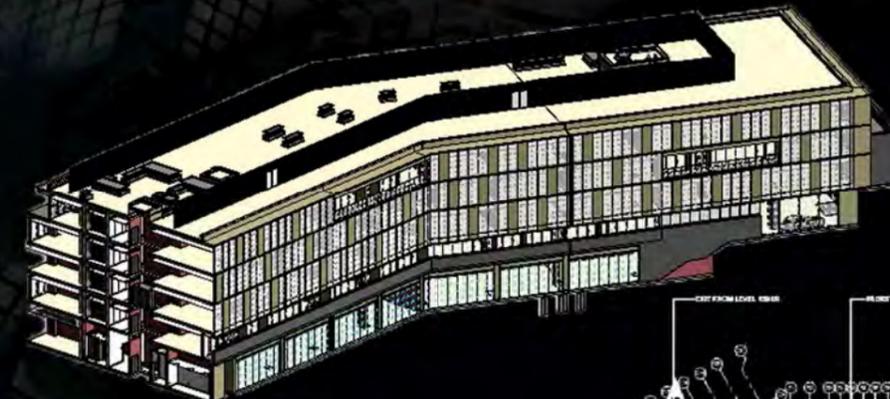
**Project Concept Designer:** **L35**  
MEXICO, BARCELONA, BOGOTA, MADRID, LISBON, MILANO, SANTIAGO, ISTANBUL, MANAMA, ABU DHABI, U.A.E.  
www.L35.com

**CONSULTANTS:**  
Project Technical Designer: **AVA** CREATIVE SOLUTIONS  
AVA - Creative Solutions  
Address: 7 Mohamedi, Sheik El-Khassany St., Sheraton Helwan, Cairo, Egypt  
Tel / Fax: 002 02 22900918  
E-mail: Contact@ava-cs.com  
Web Site: www.ava-cs.com

Consultancy Contractor: **EDGES**  
Mezzaj City, Cairo Ring Road,  
Bldg No: 2075 To 2076  
Tel: (002) 2520-4500 (10 lines)  
Fax: (002) 2520-4550  
www.shaker-group.com

MEP CONSULTANT: **SHAKER** CONSULTANCY GROUP

**MAIN CONTRACTOR:** **Concrete PLUS**





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Client



## Marina Triple Bay Hotel Amaala triple bay, KSA

**Location:** Amaala triple bay, KSA

**Category:** BIM PROJECT LOD 400 , Arch

### program:

The architectural scope includes the following:  
General Arrangement Plans – Overall layout and planning.

Block Work Plans – Partition wall layouts and types.

Flooring Finishes Plans – Floor material types and layouts.

Reflected Ceiling Plans (RCP) – Ceiling levels, materials, and lighting coordination.

Internal & External Elevations – Interior wall elevations and external .

Wet Area Package – Detailed design of toilets, showers, kitchens, etc.

Vertical Circulation Package – Stairs, ramps, and elevator

detailing.Enlarged Spaces – Detailed drawings of key areas (e.g., lobbies, restrooms).

General Details – Typical and critical construction details.



partner success



Client



**RAFFLES HOTEL AND BRANDED RESIDENCE  
DIRIYAH GATE SOUTH  
Riyadh ,Saudi Arabia**

**Category:** architectural ,structural ,MEP

**Program:**

The architectural scope includes the following:  
 General Arrangement Plans – Overall layout and planning.  
 Block Work Plans Flooring Finishes Plans  
 Reflected Ceiling Plans (RCP) Internal & External Elevations  
 Wet Area Package Vertical Circulation Package – Stairs, ramps, and elevator detailing.  
 Enlarged Spaces – Detailed drawings of key areas (e.g., lobbies, restrooms).  
 General Details – Typical and critical construction details.  
 Coordination – Integration with Structural (STR) and MEP disciplines.  
**Structural Scope**  
 The structural scope focused on the reinforcement detailing and constructability of the project's core concrete elements. All structural detailing was developed in full coordination with other disciplines to ensure smooth execution on-site and avoid clashes.  
 Slabs: Preparation of accurate rebar shop drawings for various slab types, ensuring proper load transfer and integration with architectural and MEP systems.  
 Beams: Detailing of beam reinforcement with clear bar bending schedules and support conditions.  
 Columns: Vertical structural elements detailed with clarity to support loads from upper structures and facilitate efficient execution.  
 Foundations: Comprehensive detailing for footings, pile caps, and mat foundations based on geotechnical inputs.  
 Other Concrete Elements: Including cores, retaining walls, staircases, and ramps.  
 Coordination: Close collaboration with architectural and MEP disciplines to prevent clashes and ensure buildability.  
 Standards Compliance: All detailing executed per Saudi Building Code (SBC) and American Concrete Institute (ACI) standards.  
 The MEP scope ALL MECHANICAL ( PLUMBING , FIRE FIGHTING , HEATING AND HVAC ) AND ELECTRICAL LOW VOLTAGE AND LIGHTING CURRENT SYSTEM

**miraj**

**HCO**

**MOBCO CIVIL CONSTRUCTION**

Project Name: Branded Residence-Ground floor-blockwork layout

Scale: As indicated

0

G-DSH-216-0415-MOB-AR-SDW-30-ZZZ-01120-00





Partner in success



Client



## Oberoi Hotel & Branded Residences

The Oberoi Hotel & Branded Residences in Riyadh, Saudi Arabia, is a luxurious development located in the prestigious Wadi Safar area of Diriyah. The project features an elegant five-star Oberoi Hotel alongside exclusive branded residential villas designed in a refined Najdi architectural style. It blends traditional Saudi heritage with contemporary luxury and sustainability. The development offers world-class hospitality, wellness, and leisure facilities surrounded by natural landscapes. It represents a new benchmark for upscale living and tourism in the Kingdom

**Category:** Architectural , Mep

**Location:** Riyadh, Saudi Arabia

**Program:**

**The architectural scope includes the Shop drawing , detailing, and implementation of all landscape, hardscape, and related infrastructure works. Landscape works cover planting, lawns, shrubs, trees, and softscape elements to enhance aesthetics and environmental quality. Hardscape works include pavements, pathways, plazas, seating areas, retaining walls, and decorative features. Infrastructure works comprise irrigation networks, drainage, lighting, site utilities, and other civil elements that support the landscape and hardscape. All works are executed in accordance with approved architectural drawings, specifications, and sustainability guidelines.**

The MEP scope for the irrigation system includes the design, supply, installation, testing, and commissioning of the entire network. This covers main water lines, sub-main lines, and distribution networks, ensuring proper connection to all irrigation zones. The system incorporates bubbler lines for trees and shrubs as well as drip lines for landscaped areas, providing efficient water delivery. The scope also includes valves, fittings, controllers, and pumping arrangements to maintain optimal pressure and coverage. All works are executed in accordance with approved drawings, project specifications, and relevant standards for water efficiency and sustainability.





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RAMHAN ISLAND

AbuDhabi , United Arab Emirates

Ramhan is a naturally shaped heavenly island, located in Abu Dhabi. It carries all the charm of nature from bays and mangrove trees. The incredibly designed masterplan offers waterfront luxury villas with high-end amenities, a world-class Marina with state-of-the-art shopping and fine dining experiences, unrivaled hospitality with a luxurious hotel and serviced residence, besides a tranquil wellness center amidst serene surroundings and open bay views.

Category: and shopdrawing LOD (400 ) Architectural and structural design development

Location: Abu Dhabi , united Arab Emirates

Program:

Architectural: Design modification, design development and shop drawings.

Structural: Design verification, design development Shop drawings reinforcement, concrete dimensions and Revit modelling.

|                                       |   |
|---------------------------------------|---|
| <b>Owner</b>                          | <br><b>EAGLE HILLS</b><br>REGIONAL PROPERTIES   |
| <b>Developer</b>                      | <br><b>RAMHAN DEVELOPMENT</b>   |
| <b>AOR</b>                            | <br><b>PIONEER ENGINEERING CONSULTANCY</b>  |
| <b>PMC and Supervision Consultant</b> | <br><b>MIRAGE</b><br>MIDDLE EAST DUBAI OFFICE<br>Mirage Leisure and Development<br>Emaar Business Park, Dubai, UAE<br>TEL: + 971 4 453 8835<br>www.mirageglobal.com |
| <b>Consultancy Contractor</b>         | <br><b>EDGES</b><br>Contracting & Engineering Services  |
| <b>MAIN CONTRACTOR</b>                | <br><b>HASSAN ALLAM</b><br>CONSTRUCTION  |







Partner in success



Client



## Wellness Core

The Amaala Wellness Core is a prominent component of the Triple Bay development along Saudi Arabia's Red Sea coast, part of the broader Amaala luxury destination. This area is dedicated to holistic health and wellness, featuring world-class resorts such as Jayasom and Clinique La Prairie, which focus on mental, physical, and energetic regeneration. As of May 2025, approximately 80% of the 220 buildings in the Wellness Core have completed their superstructure phase, indicating significant progress toward the project's completion.

**Category:** MEP BIM LOD (500)

**Location:** Amaala , Saudi Arabia

### Program:

The project involves the shop drawing and BIM modeling of MEP infrastructure networks, including chilled water, irrigation, potable water, fire fighting, LPG, vacuum drainage, gravity drainage, and sewage systems. It focuses on creating detailed 3D models using Autodesk Revit on the ACC platform. Coordination among all project stakeholders is managed through Revizto for efficient clash detection and communication. The scope includes developing high-accuracy geographical models up to LOD 500. All models will be enriched with COBie parameters to support facility management and asset data integration.





# RESIDENTIAL PROJECTS



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Tel. / Fax: 002 02 25658414

Address: Gardenia Mall, 5<sup>th</sup> Settlement, New Cairo, Egypt

[info@edgescons.com](mailto:info@edgescons.com)



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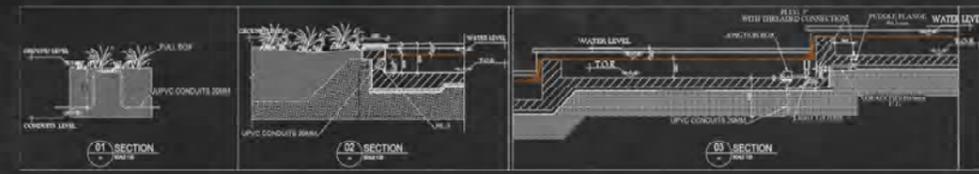
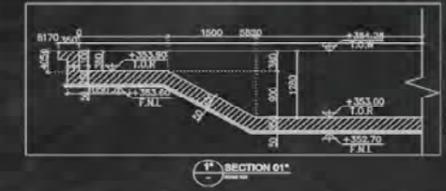
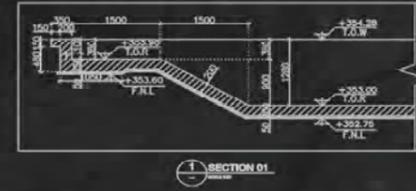
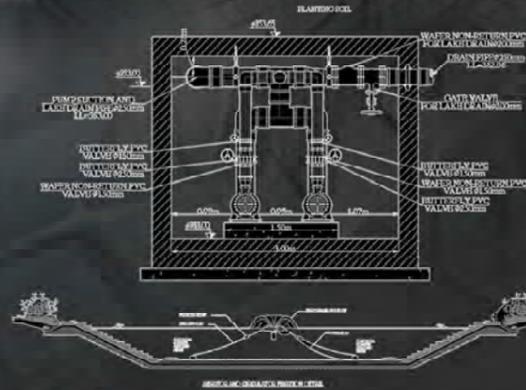


DORRA GROUP  
Mivida Lake  
District  
1&2  
New Cairo, Egypt

Client:

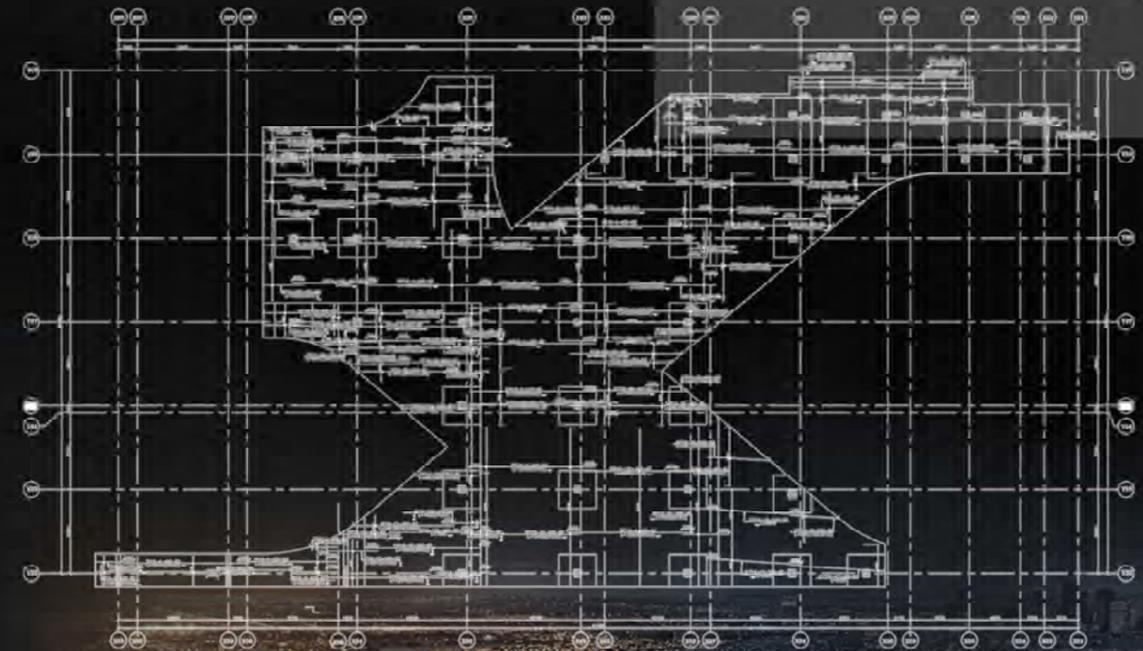
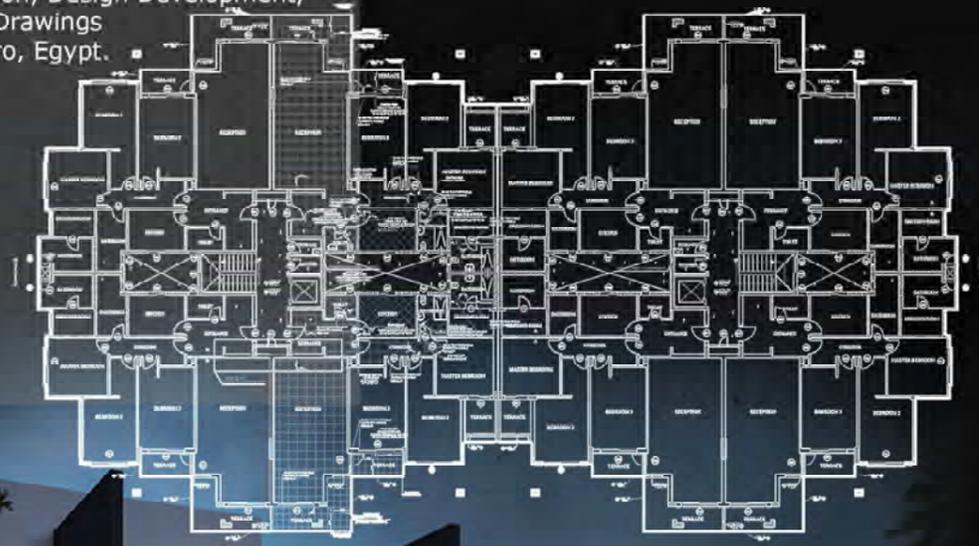
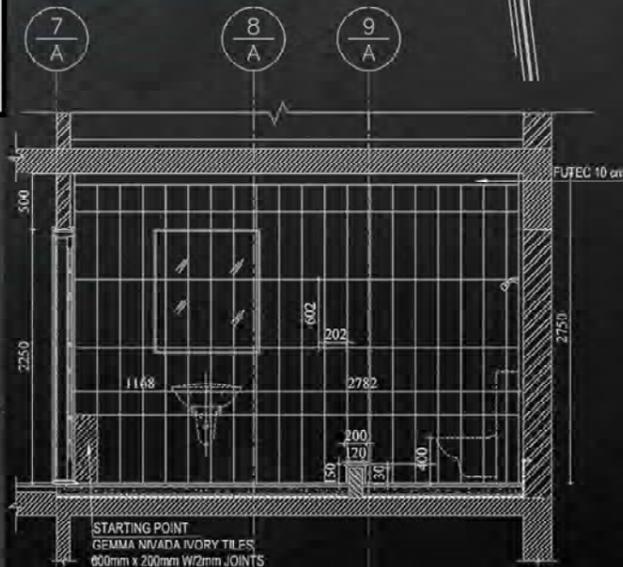


**Category:** Architectural, Structural & MEP; Design Verification, Design Development & Shop Drawings.  
**Location:** New Cairo, Egypt.





KEY PLAN



Partner in success



Client:



### BUSINESS DISTRICT Cairo, Egypt

Hyde Park has made its home across 6 million square metres in the heart of vibrant New Cairo. Hyde Park is the only villa development set amidst the largest private landscaped park in Egypt. Hyde Park is offering different types of villas, town, twin houses & luxury apartments.

**Category:** Architectural & Structural Design  
Verification, Design Development,  
& Shop Drawings

**Location:** New Cairo, Egypt.

Partner in success



Client:



### BUSINESS DISTRICT Cairo, Egypt

Business District enjoys a most premium locale that is convenient, practical and calming. Nestled within Hyde Park New Cairo's renowned park with its vast landscapes and lush greenery, the Business District is in immediate proximity of numerous recreational and commercial facilities.

**Category:** Structural Design  
Verification, Design Development,  
& Shop Drawings.

**Location:** New Cairo, Egypt.

**Program:** Reinforcement Detailing  
Concrete Dimensions Drawings



Partner in success



## MZ Club House

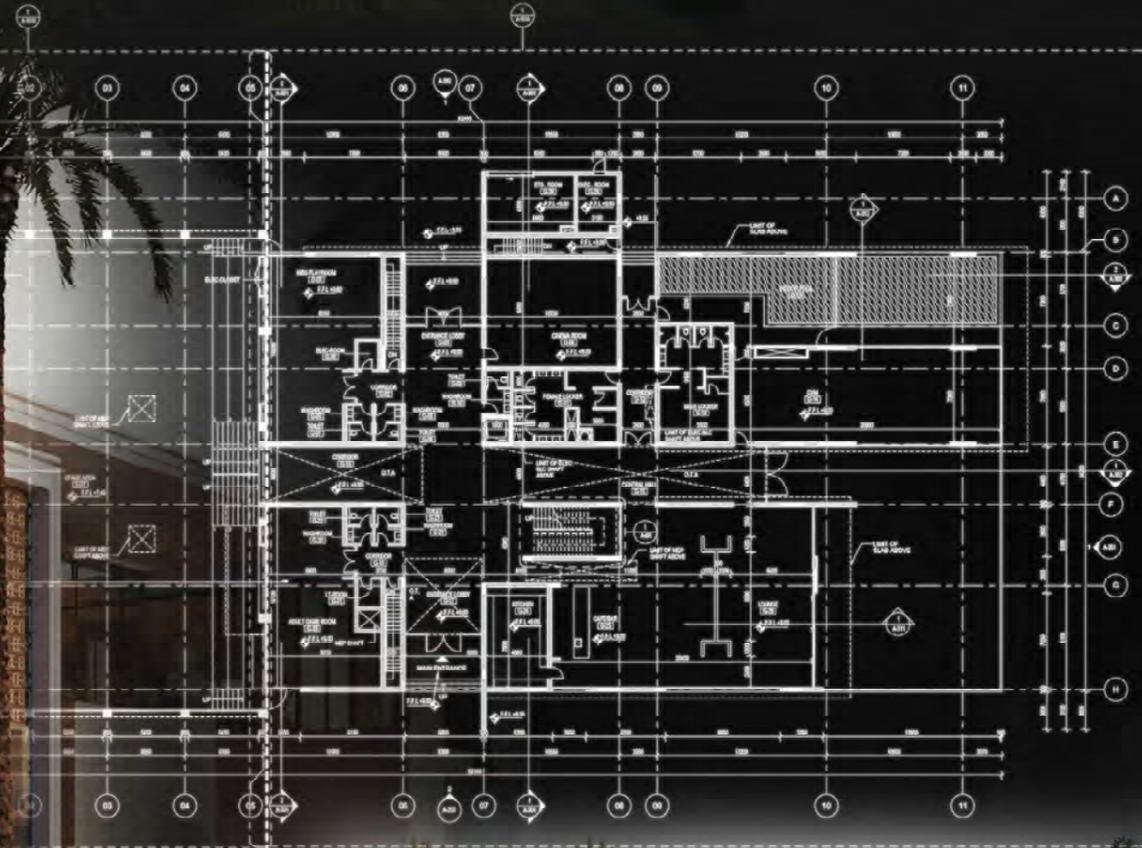
El-Alamein, Egypt

Client : **Private Client**

Category: Architectural Design Development.  
Location: North, Coast Egypt.

Short Bio: Working on specific details for the Club House of a unique palace in North Coast.

Program: Arch BIM modeling lod400



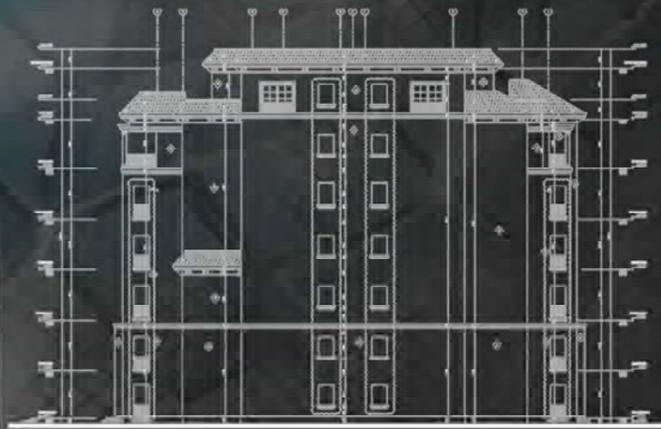
Client :



TABARAK  
DEVELOPMENTS

90 AVENUE  
New Cairo, Egypt

Scope: Architectural Design Development,  
Design Verification, & Shop Drawings.  
i.e. Plans and Sectional Elevations





Partner in success



Client



### Uptown Cairo Cairo, Egypt

Landscape design development as well as Structural , Architectural & MEP Design Verification, Design Development, & Shop Drawings of phase 01 & phase 02 with approximate area 88,000 m2.

**Category:** Architectural , Structural and MEP Design Verification, Design Development, & Shop Drawings

**Location:** Cairo, Egypt.

**Program:** Hardcape design development  
Softscape design development  
Swimming Pools Design Verification, Design Development, & Shop Drawings  
Gates & Fences Design Verification, Design Development, & Shop Drawings  
Retaining Walls Design Verification, Design Development, & Shop Drawings  
Irrigation Design Verification, Design Development, & Shop Drawings

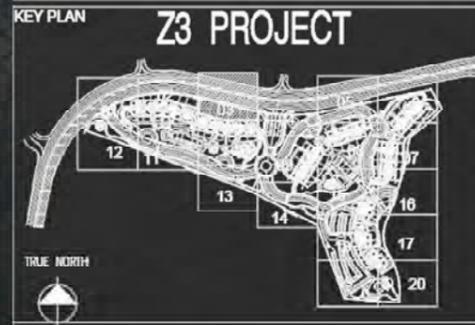
Total Area: 88,000 m2

Project

# UPTOWN CAIRO

## UP TOWN CAIRO

AL-MOKATTAM - CAIRO  
ARAB REPUBLIC OF EGYPT  
UP TOWN CAIRO MASTER PLAN



Owner / Developer :

# EMAAR

MISR

Project Manager :

# mace

International Design Consultant :

1913 E. BROWARD BOULEVARD, SUITE 110  
FORT LAUDERDALE, FLORIDA 33301 USA  
TEL: 954.894.5999  
www.edsa.com  
L0000001

Sub-International Design Consultant :

One Beach Street, Suite 501  
San Francisco, CA 94109  
T 415/673-8990  
F 415/274-2005  
A Galford's Corporation

Local Master Planner & Landscape Consultant :

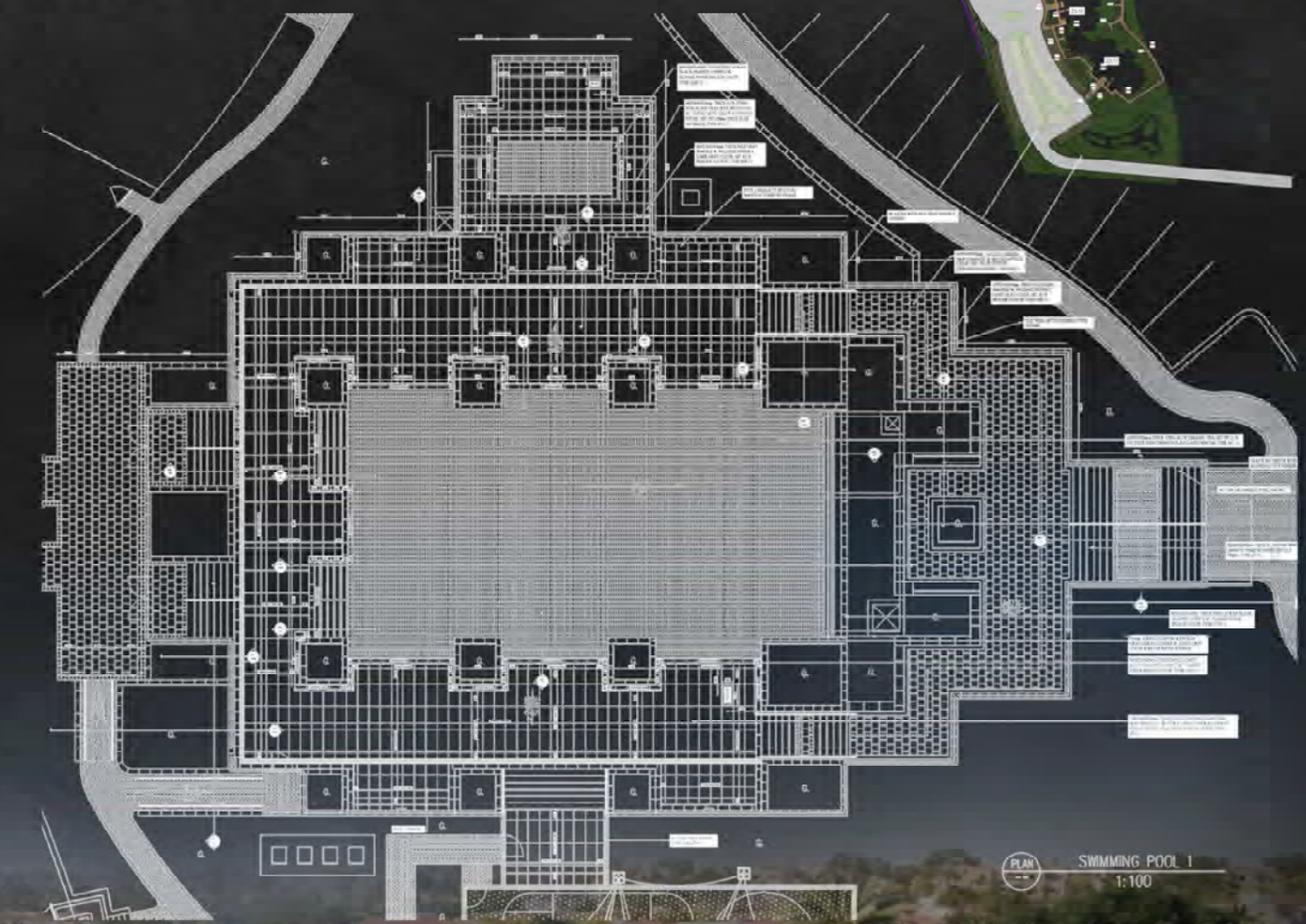
Architects Landscape Architects Urban Design  
Environmental Planning Engineering Construction Management  
SITES INTERNATIONAL  
Dr. Bahar Elina Dr. Laila El-Moray

Architecture / M.E.P / Structure / Infrastructure Consultant :

rnc raafat.miller.consulting  
architects & engineers  
8 Sadat Avenue 8L Third Floor  
Cairo, Egypt Tel: 002 2745 7500  
Fax: 002 2745 7505

MAIN-CONTRACTOR :

دار المقاولات  
DMC  
SINCE 1980  
CONTRACTING & CONSTRUCTION



PLAN  
SWIMMING POOL 1  
1:100



### Partner in success



## MNS1 palace

New Capital, Egypt

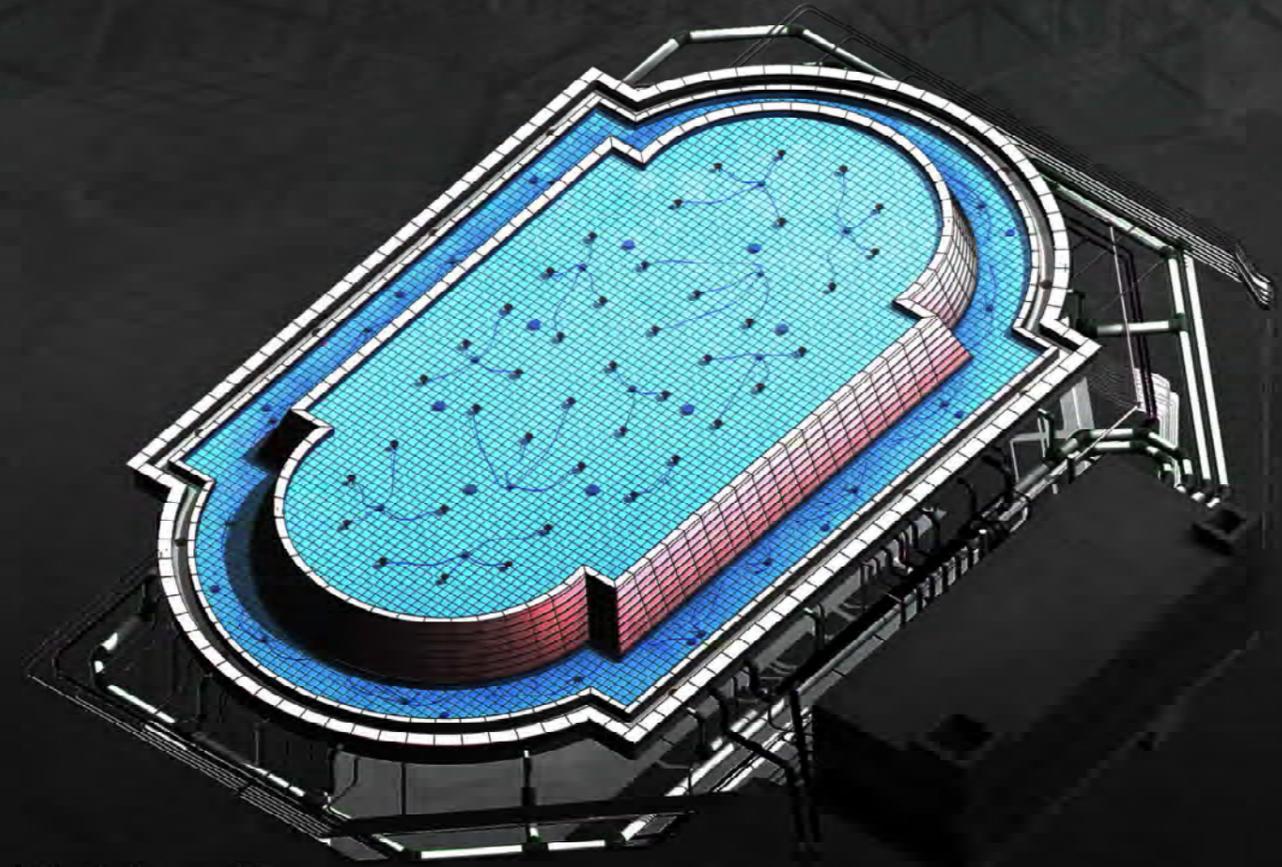
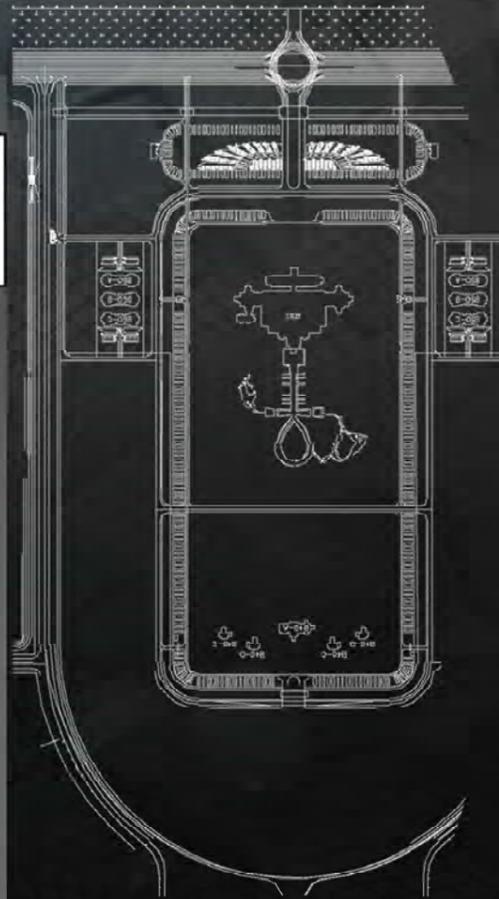
### Private Client.

EDGES produced over 1300 Structural and Architectural and str shop drawings Sheets in MNS palace

**Category:** Structural and Architectural design development

**Location:** Cairo, Egypt.

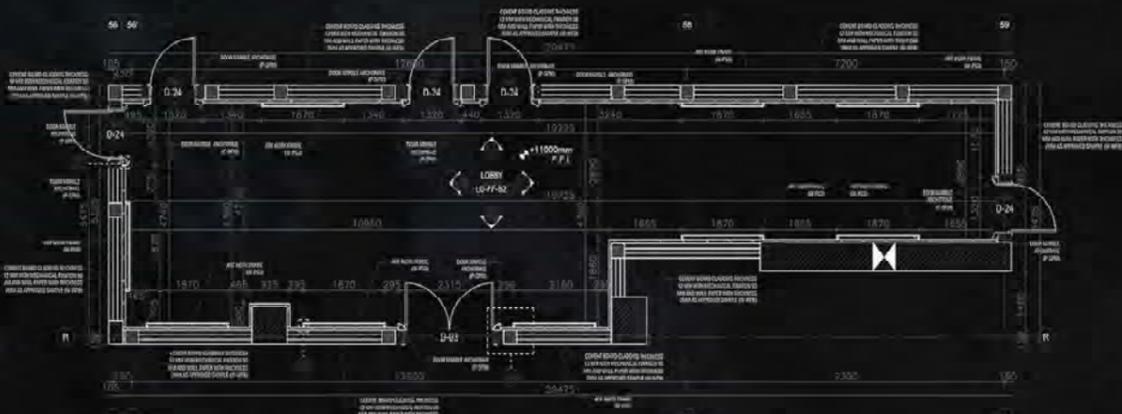
**Total sheets:** Over 700 Structural shop drawings, design verification and Shop drawings. Over 550 Architectural design development, design verification and Shop drawings Shop Drawings



Water feature model

## MNS1 palace

New Capital, Egypt



LO-FF-62- CLADDING PLAN

Artwork Code: A-W-02

Artwork Profile Code: W-PS3

Cement Board Cladding Thickness 12mm With Mechanical Fixation 50mm And Wall Paper With Thickness 2mm THICKNESS 12MM Code: W-WPB

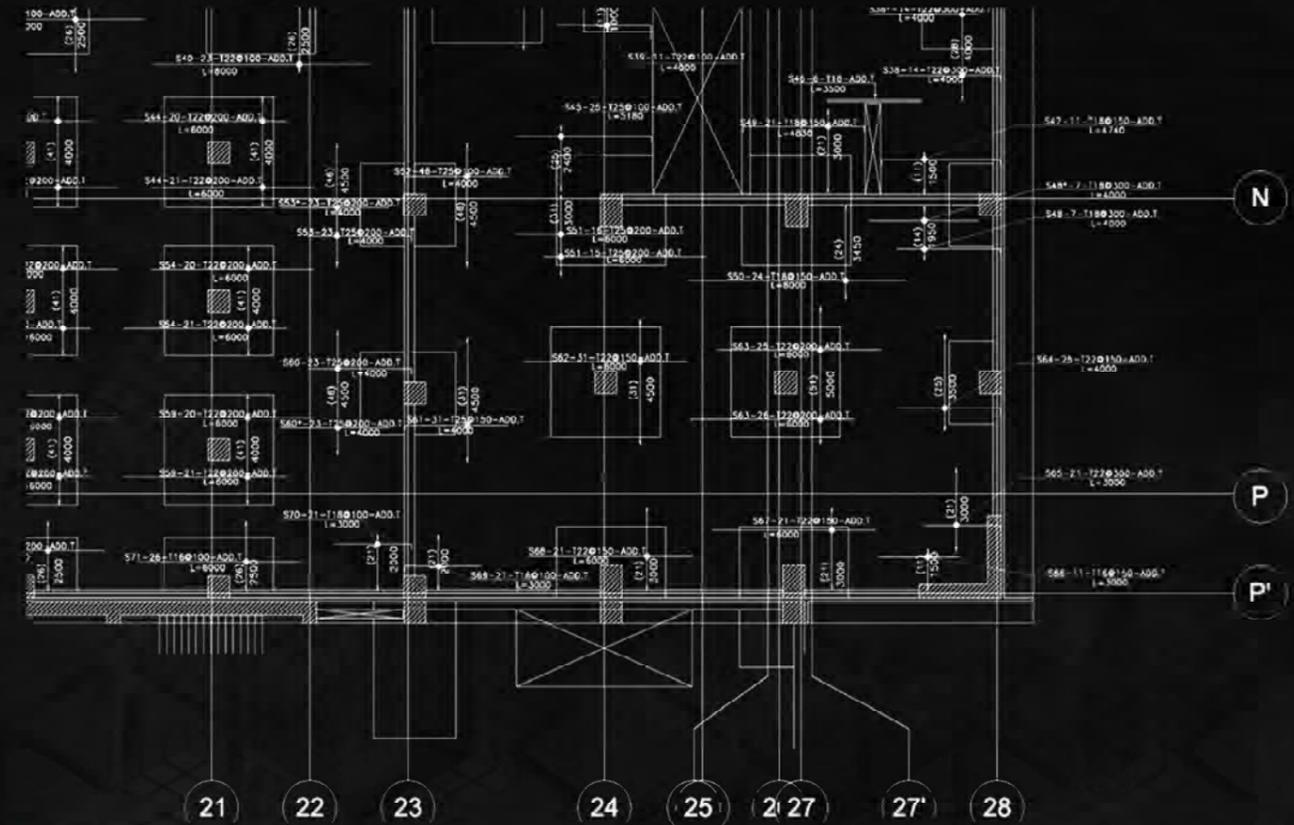
Marble Skirting 600 mm Height Code: S-MRR  
Door Marble Architrave Code: P-SPM

Block Work

REINFORCED CONCRETE POST 300 X300 MM

Door Frame

4 DETAIL(2) - DOOR FRAME -P-SPM



21 22 23 24 25 27 27' 28



Partner in success



## R 05, New Capital

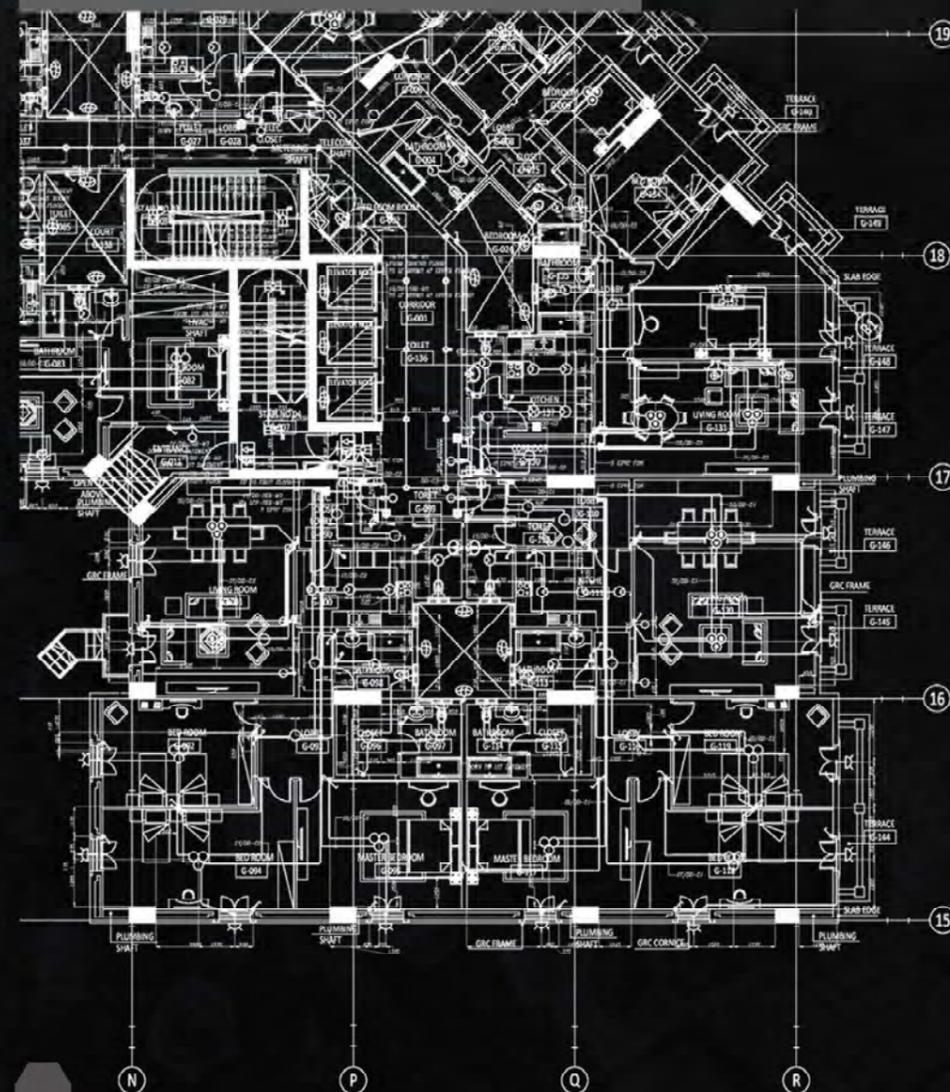
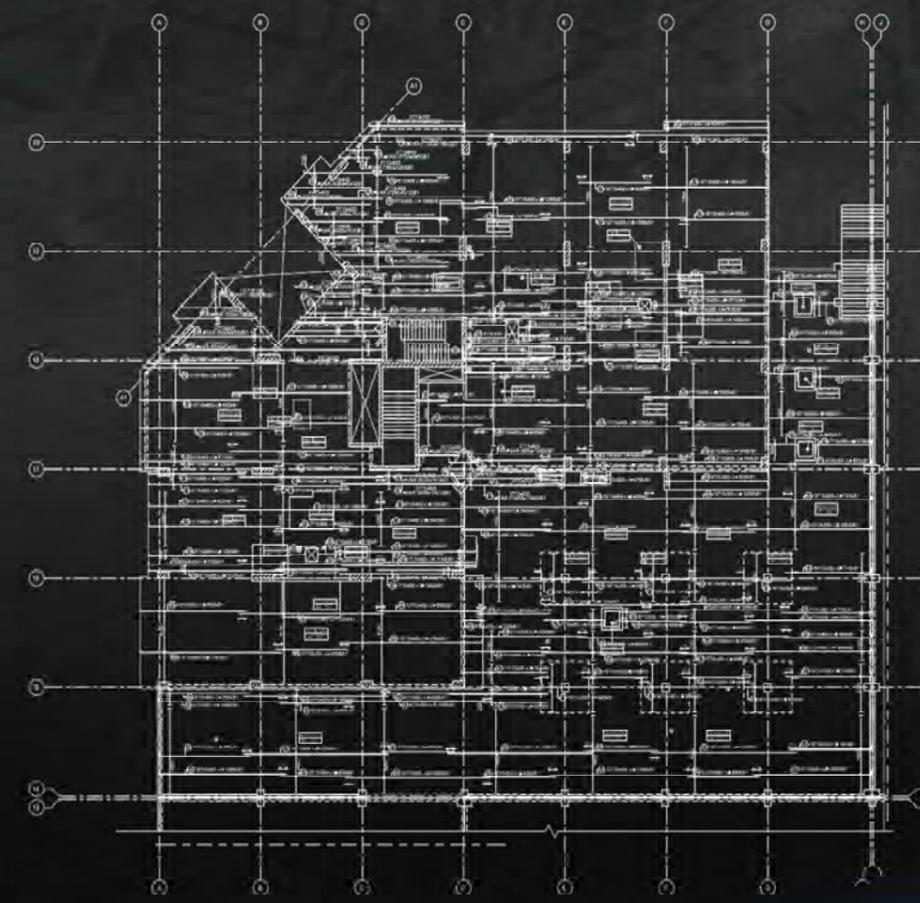
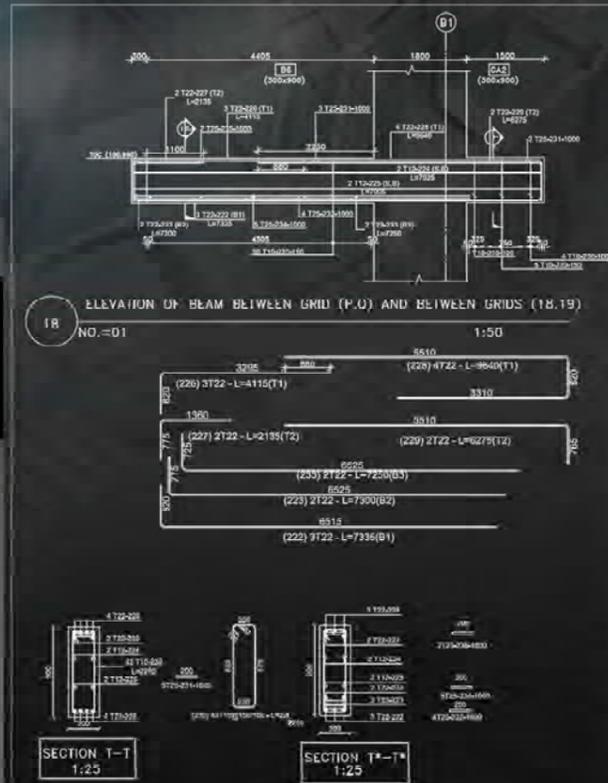
New Capital, Egypt

Client :  
The Egyptian Ministry of Housing

Category : Structural and Electrical Design  
Development, Design Verification,  
& Shop Drawings.

Location : New Capital, Egypt.

Total Area: 112.000 m<sup>2</sup>



KEY PLAN

REVISONS

Ministry Of Housing, Utilities & Urban Communities  
New Urban Communities Authority

EGG  
ENGINEERING CONSULTANTS GROUP S.A.

HASSAN ALLAM CONSTRUCTION

R05 مشرع الحي السكني  
المنطقة الإدارية الجديدة  
ZONE 06

(SHOP DRAWING)  
Ground Floor Layout Part 1  
Bottom Reinforcement Details -X-Direction

| NO. | DATE       | BY  | CHK |
|-----|------------|-----|-----|
| 01  | 2014/05/15 | ... | ... |



Partner in success



Client :



MOUNTAIN VIEW

I-City October  
October, Egypt

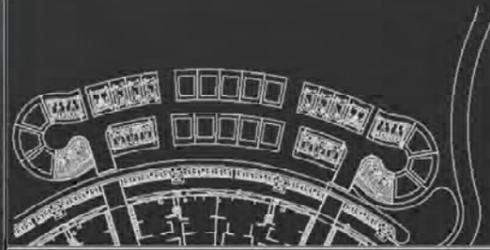
The project consists of various types of villas "TH02, TH04, B4, B6 and SA", as well as podiums consists of Two types of buildings "TypeA & TypeB" The approximate Total area is 500 acre.

**Category:** Architectural and Structural Design verification, Design Development, & Shop Drawings  
**Location:** October, Egypt.

**Program:** Foundations Reinforcement details  
Slabs & Beams Reinforcement details  
Columns Reinforcement Details  
Block work , Ceiling , Flooring Stairs & Elevations.

Total Area: 630,000 m2

FACILITY KEY PLAN :



CLIENT: **MOUNTAIN VIEW**  
a place to look up to  
CITY STARS , 040 84 0, KATO ST. STAR CORP. 43, 2ND FLOOR/AT NO. 24,  
HELWAN, HELWAN, EGYPT  
TEL: +202 480 111 8 - FAX: +202 480 111 8 MOB: +2 01076 17 41

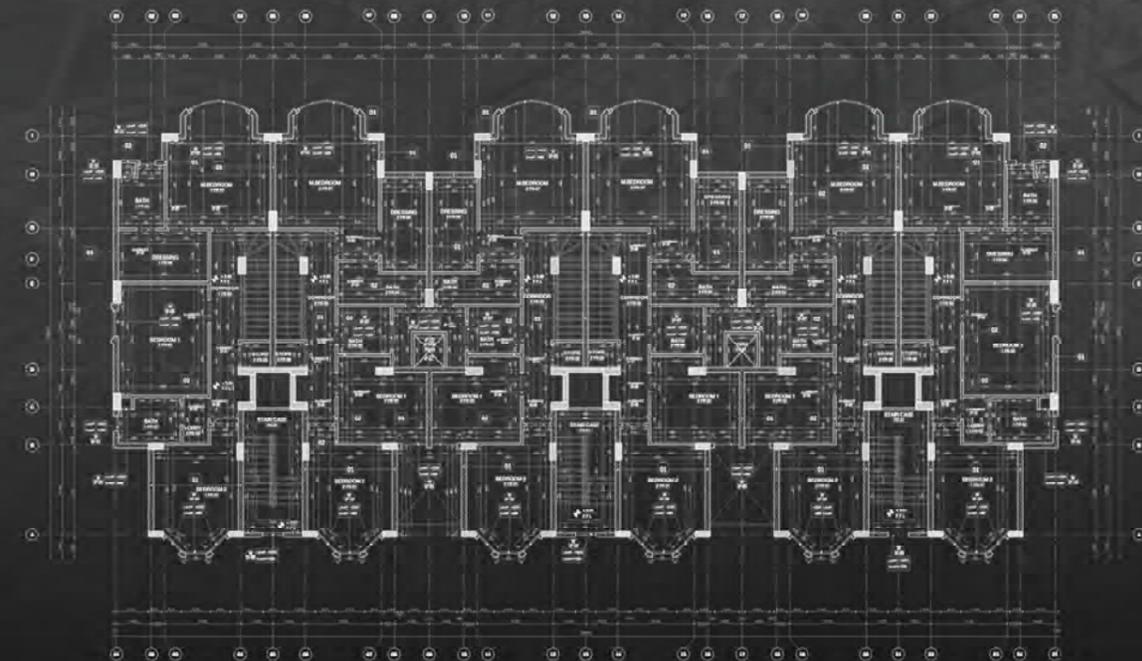
PROJECT NAME: **MOUNTAIN VIEW**  
I-City

PROJECT MANAGEMENT: **ACE PROJECT MANAGEMENT**  
MOHARRAM BAKHOUM  
13/Weiss Building Near City, Cairo Fax: +202 24 05900 Tel: +202 24 05971

SUPERVISION CONSULTANT: **ACE PROJECT MANAGEMENT** **DMA**  
MOHARRAM BAKHOUM  
13/Weiss Building Near City Fax: +202 24 05900 Tel: +202 24 05971  
Diplomates | 2000 INDEPENDENT  
87 11 Shoubra El-Kheikh Road 20, Shoubra El-Kheikh, El Helwan, Cairo, Egypt  
Tel: +202 2580 7586 / +202 2580 4288 Web: www.dma.com.eg

SCHEMATIC DESIGN CONSULTANT: **DMA**  
Diplomates | 2000 INDEPENDENT  
87 11 Shoubra El-Kheikh Road 20, Shoubra El-Kheikh, El Helwan, Cairo, Egypt  
Tel: +202 2580 7586 / +202 2580 4288 Web: www.dma.com.eg

MAIN - CONTRACTOR: **DMC**  
Dar AL-MIMAR CONSTRUCTION  
8 Al Feteh St, From El-Hegaz St, Al-Mahrama Square, Heliopolis, Cairo, Egypt



## Badraig Compound (Main Villa) Jeddah, Saudi Arabia

**Client:** Private Owner

The villa design reflects the simplicity of modern design and powerful massing which defines with consideration for creating the outdoor areas.

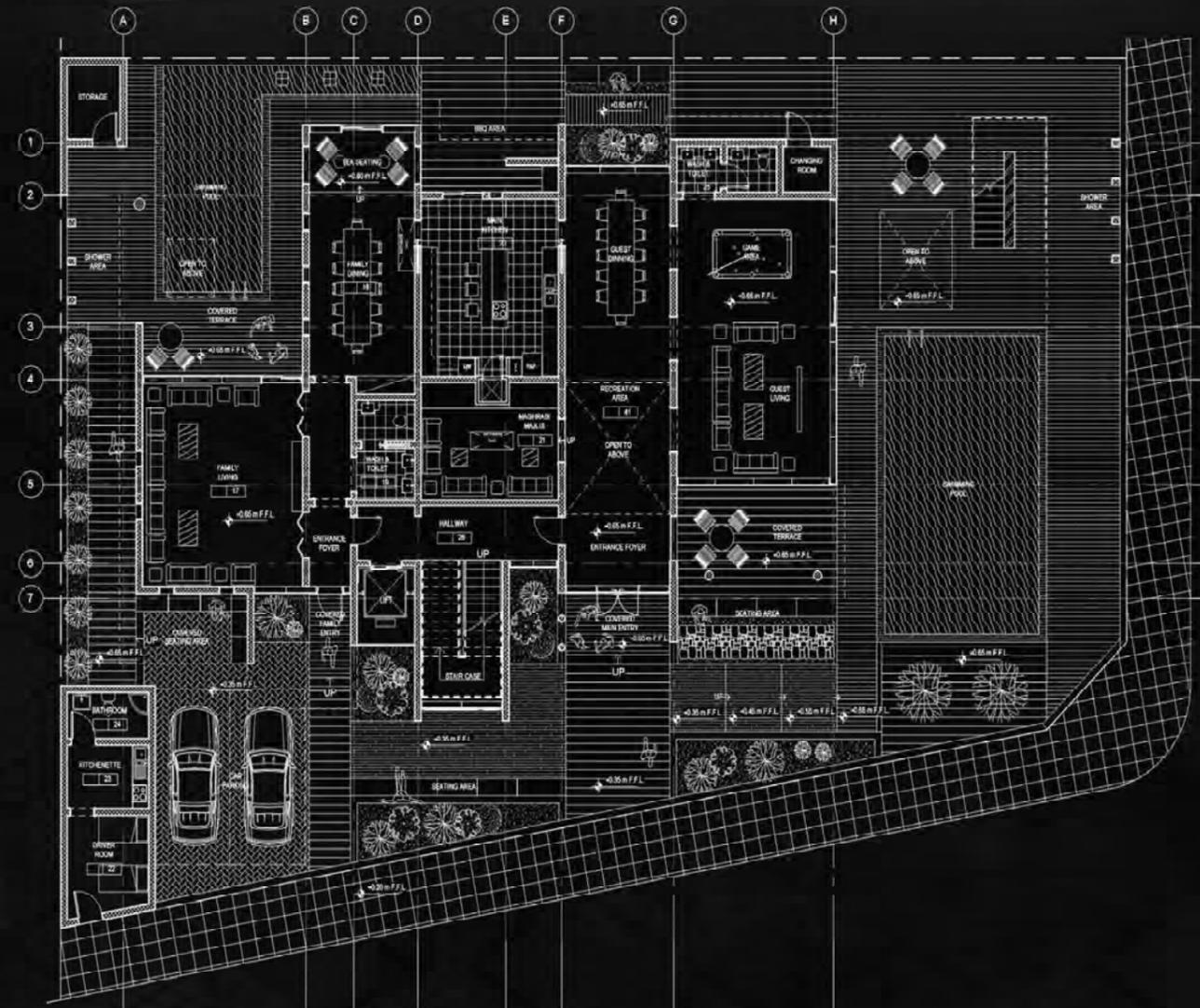
Mini Compound, composed of 3 villas; 1 main villa and 2 side villas.

**Category:** Full Design: Architectural, Structural, MEP and Tendering

**Location:** Jeddah, Saudi Arabia.

**Total Area:** 1100 m<sup>2</sup>

- 4 Bedrooms
- 3 Living Rooms
- 2 Dining Rooms
- Outdoor Areas



Partner in success



**Villa B33**  
New Cairo, Cairo, Egypt

**Client:** Private Client

Villa B33 was designed with a post-modern design, inspired by classic lines. The elements of the interior design have special colors and patterns that reflect elegance by giving a calm sensation in the presence of rich colors. The villa contains a ground floor, a typical floor, and a roof area.

**Category:** 2D Interior Drawings  
3D Interior Shots

**Location:** Cairo, Egypt.

**Program:** Reception, Master Bedroom,  
Kids' Rooms, Living Room,  
External Landscape

**Total Area:** 1200 m<sup>2</sup>



Partner in success



Bashar A. Al-Salem  
ARCHITECT

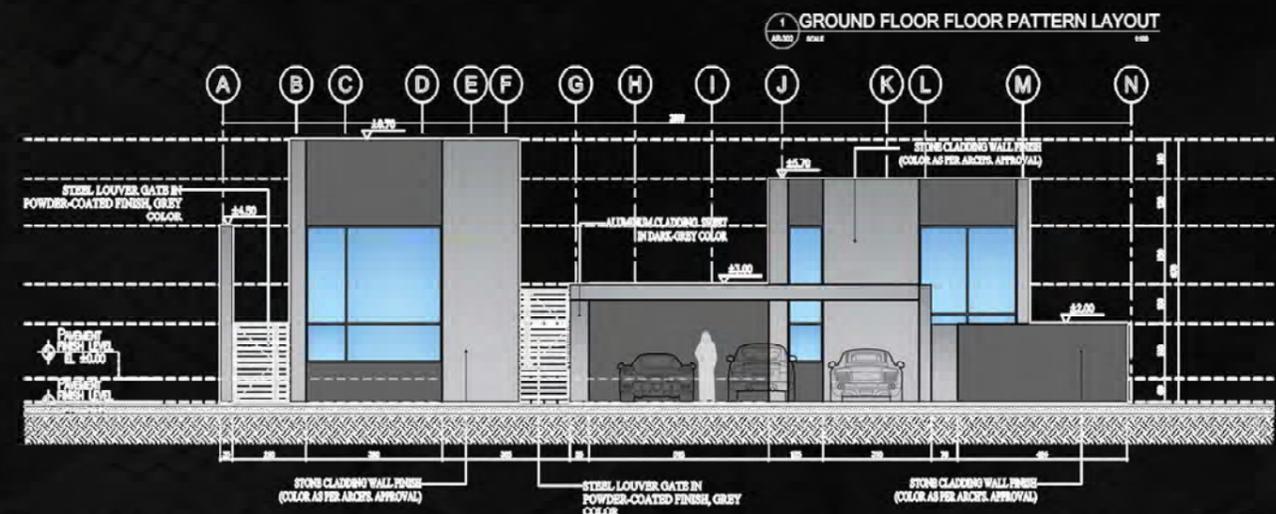
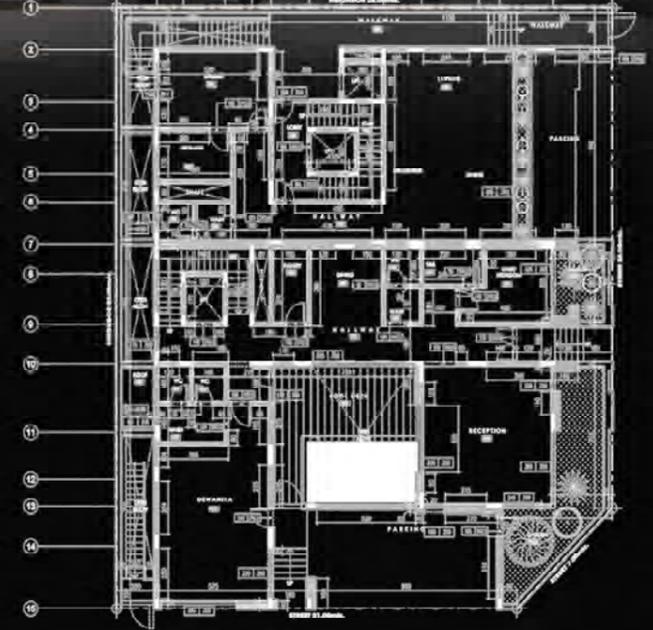
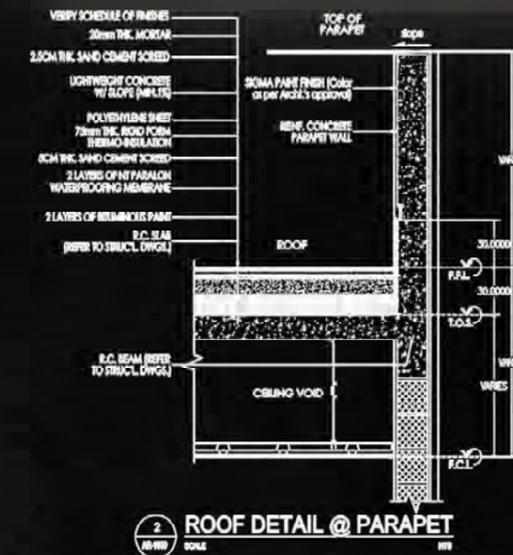
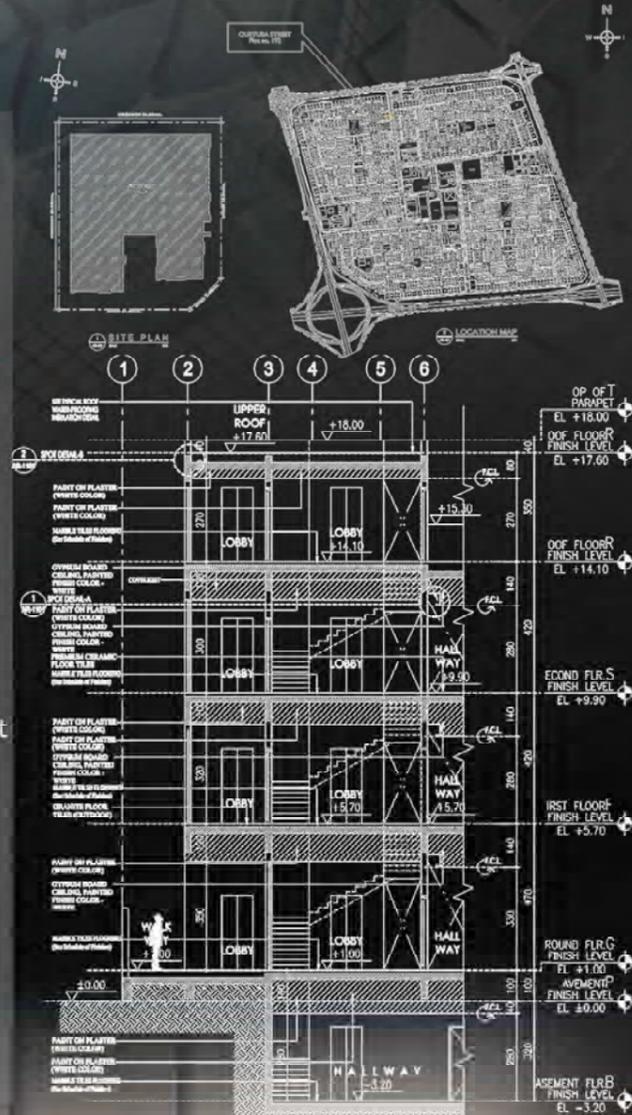
Client: **Villa Ali Al-Zemami**  
QURTUBA, KUWAIT

Category: Architectural Design Development,  
Structure and MEP design.

Location: Kuwait, Qurtuba

Program: Floor plans  
Blockworks Layout  
Elevations & Sections  
Reflected ceiling plans  
Floor pattern Skirting Wall finish layout  
Doors & windows schedule  
Staircase details  
Swimming pool  
Typical Details  
Wall Sections  
Boundary wall details  
Schedule of finishes  
Power and low voltage

Total Area: 775.00 m2



Partner in success



Client



## ARK BUSINESS DISTRICT PHASE 3 Buildings 3A 3B 3C

The Ark Business District Phase 3 comprises three architecturally distinctive buildings—3A, 3B, and 3C—offering a mix of office spaces, retail outlets, and recreational areas. These structures are designed with modern aesthetics and functionality, catering to diverse business needs. The development emphasizes sustainability, with a significant portion of the area dedicated to green

**Category:** Structural shopdrawing  
**Location:** New Cairo, Cairo

### Program:

The structural scope covers all activities related to reinforcement detailing and coordination for the project's concrete and structural elements, including:

- Slabs, Columns, and Beams:** Complete reinforcement detailing for all slabs, beams, and columns in accordance with the approved structural drawings and project specifications. Includes bar schedules, bending details, and placement drawings for proper construction execution.
- Core Walls:** Detailed reinforcement for all shear walls, elevator cores, and stair cores, ensuring structural integrity and compliance with seismic and design requirements.
- Swimming Pool:** Reinforcement detailing for the swimming pool structure, including walls, slabs, and base, accounting for water-tightness and durability requirements.
- Coordination & Documentation:** Preparation of shop drawings, bar bending schedules, and reinforcement reports.
- Coordination with MEP and architectural scopes to avoid clashes and ensure smooth construction.

Developer  
The Ark Development

The Ark

New Cairo, Egypt  
T: 202 25279  
www.arkdevelopment.com  
Cairo 30 | La Piedad 88 | Helwan 8 | Heliopolis 8

Project Manager  
Hill International

HILL  
International

149 - NCF Building, Sheikh Zayed  
City District - 5th Settlement, New Cairo, Egypt  
T: 202 21221040 | F: 202 21220422  
www.hill.com

Supervision Consultant

AC ATTABY CONSULTANCY  
عتابى للاستشارات الهندسية

Main Contractor

INSPIRE

Structural Consultant

INTERNATIONAL CONSULTING ENGINEERS  
مركز دنا مصر كواليتي كوربوس انجنييرينج

Prepared By Subcontractor



partner success



Client



|   |           |            |
|---|-----------|------------|
|   |           |            |
| GENERAL CONTRACTOR<br>RYADH 1271-4000<br>WWW.CIVILCON.SA        |           |            |
| <b>mirage</b>   |           |            |
|   |           |            |
| PROJECT MANAGER<br>MOBCO CIVIL CONSTRUCTION                     |           |            |
| PROJECT NAME<br>Branded Residence-Ground Floor-blockwork layout |           |            |
| ISSUED TO APPROVE   | ISSUED TO | DATE       |
| Issued to Approve   | S.A       | 09/04/2025 |
| SCALE   | UNIT      | REVISION   |
| As indicated  | 0         |            |
| PROJECT NUMBER<br>DG-DSH-216-0415-MOB-AR-SDW-30-ZZZ-01120-00    |           |            |

**RAFFLES HOTEL AND BRANDED RESIDENCE DIRIYAH GATE SOUTH Riyadh ,Saudi Arabia**

**Category:** BIM PROJECT LOD 400 , Arch ,Str ,MEP  
**Program:**

The architectural scope includes the following:  
General Arrangement Plans – Overall layout and planning.

Block Work Plans – Partition wall layouts and types.  
Flooring Finishes Plans – Floor material types and layouts.

Reflected Ceiling Plans (RCP) – Ceiling levels, materials, and lighting coordination.

Internal & External Elevations – Interior wall elevations and external .

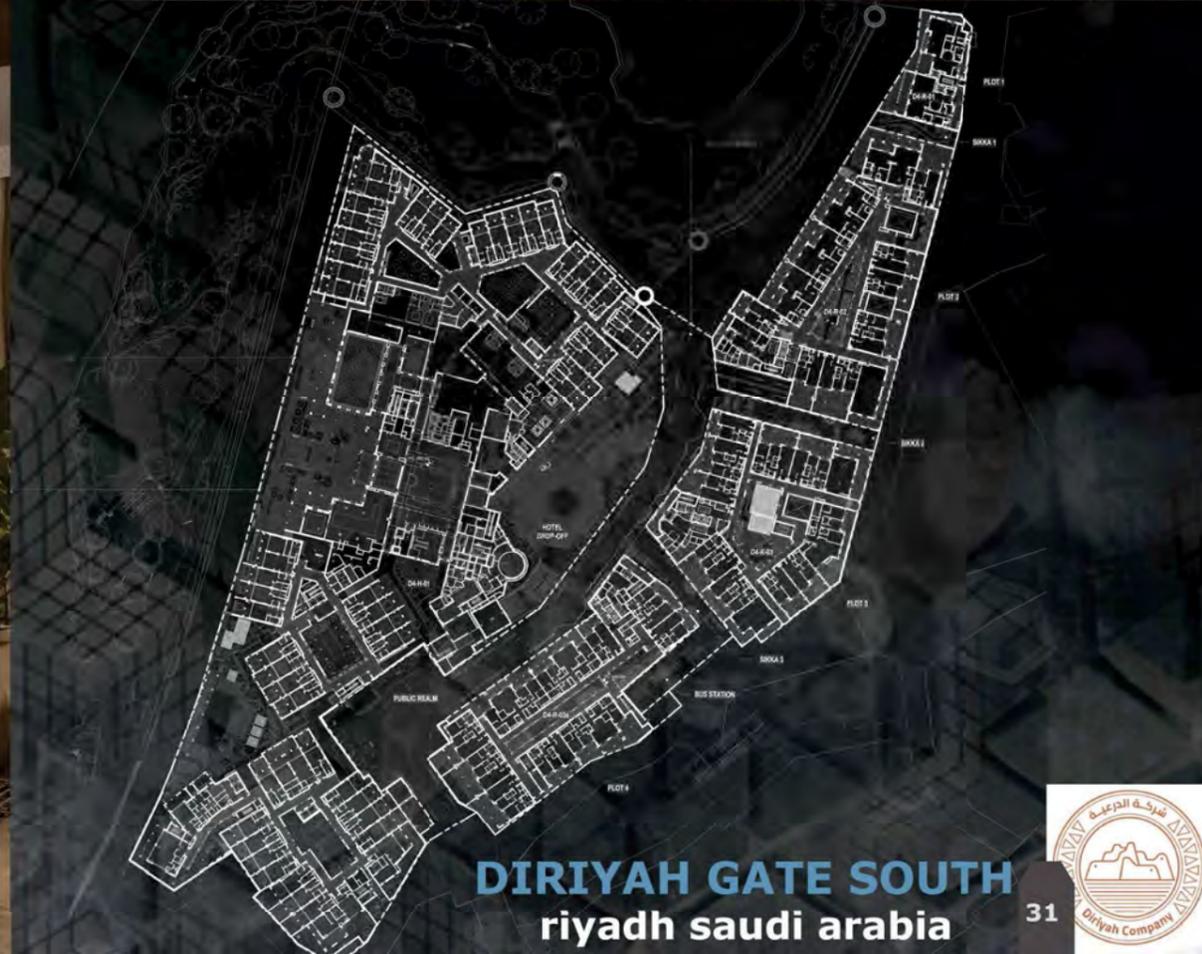
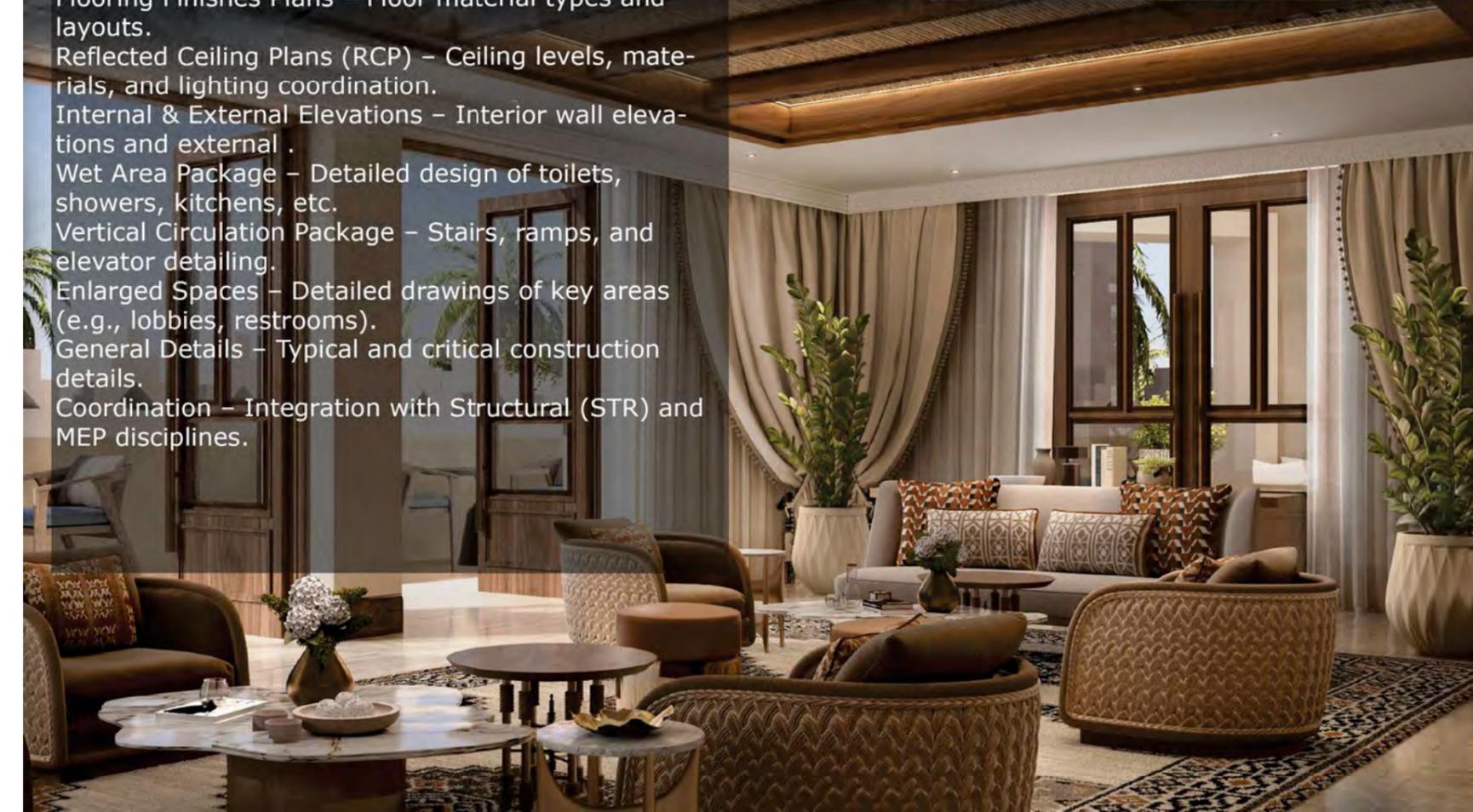
Wet Area Package – Detailed design of toilets, showers, kitchens, etc.

Vertical Circulation Package – Stairs, ramps, and elevator detailing.

Enlarged Spaces – Detailed drawings of key areas (e.g., lobbies, restrooms).

General Details – Typical and critical construction details.

Coordination – Integration with Structural (STR) and MEP disciplines.





Partner in success



شركة التعمير والإسكان للاستثمار العقاري (ش.م.م.)  
التعمير والإسكان للإستثمار العقاري  
إحدى شركات بنك التعمير والإسكان



Client

## Tarace zayed

Sheikh Zayed City , EGYPT

**Category:** Architectural development

**Location:** Sheikh Zayed City , EGYPT

**Category:** Structural ,MEP

**program:**

The project involves the shopdrawing and BIM modeling of MEP infrastructure networks, including chilled water, irrigation, potable water, fire fighting, LPG, vacuum drainage, gravity drainage, and sewage systems.

It focuses on creating detailed 3D models using Autodesk Revit on the ACC platform.

Coordination among all project stakeholders is managed through Revizto for efficient clash detection and communication.

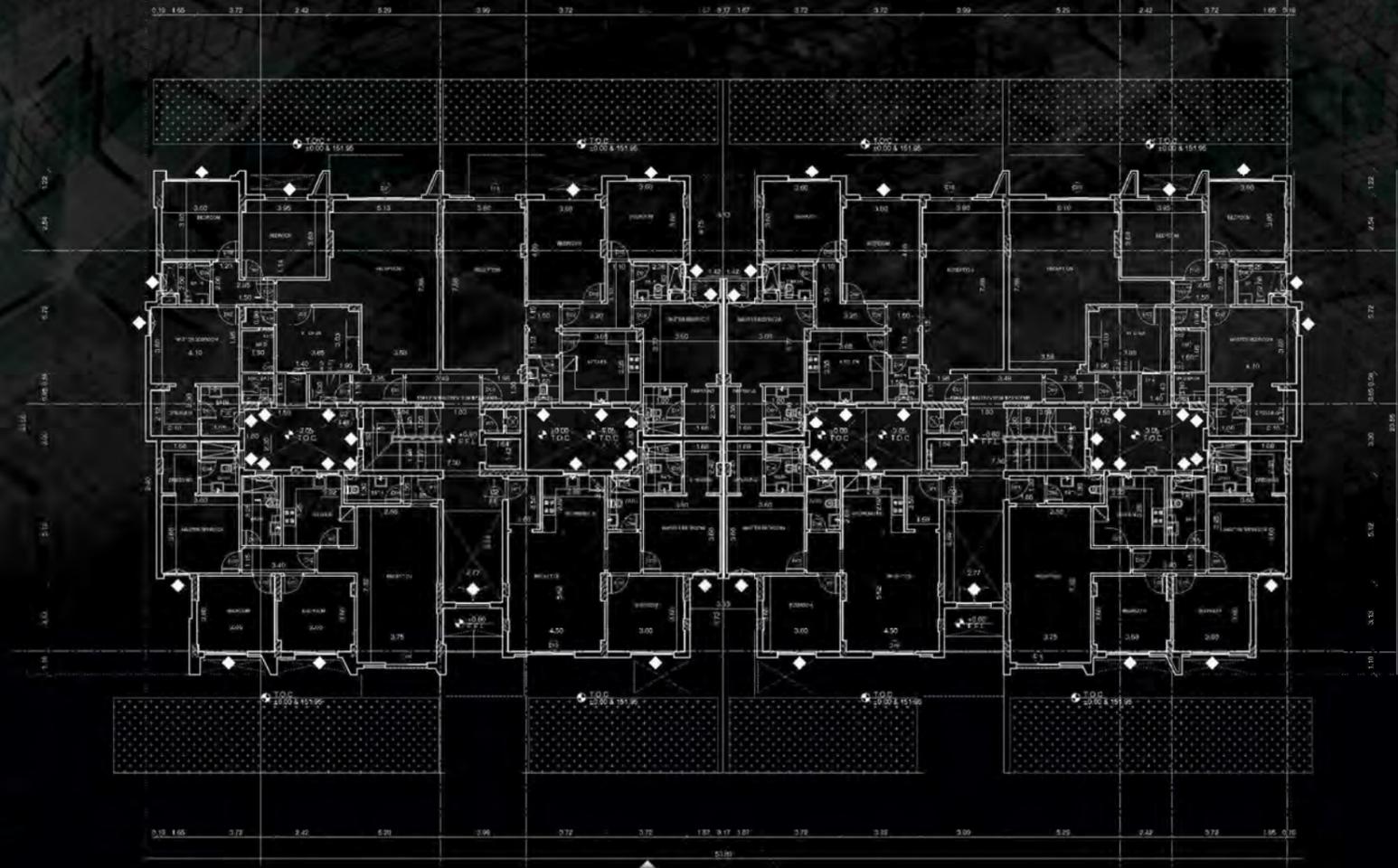
The scope includes developing high-accuracy geographical models up to LOD 500.

All models will be enriched with COBie parameters to support facility management and asset data integration.

Structural Scope Detailed reinforcement shop drawings for all structural elements,

Full coordination with architectural and MEP disciplines,  
Designed in accordance with SBC & ACI

year: 2024





# COMMERCIAL PROJECTS





Partner in success



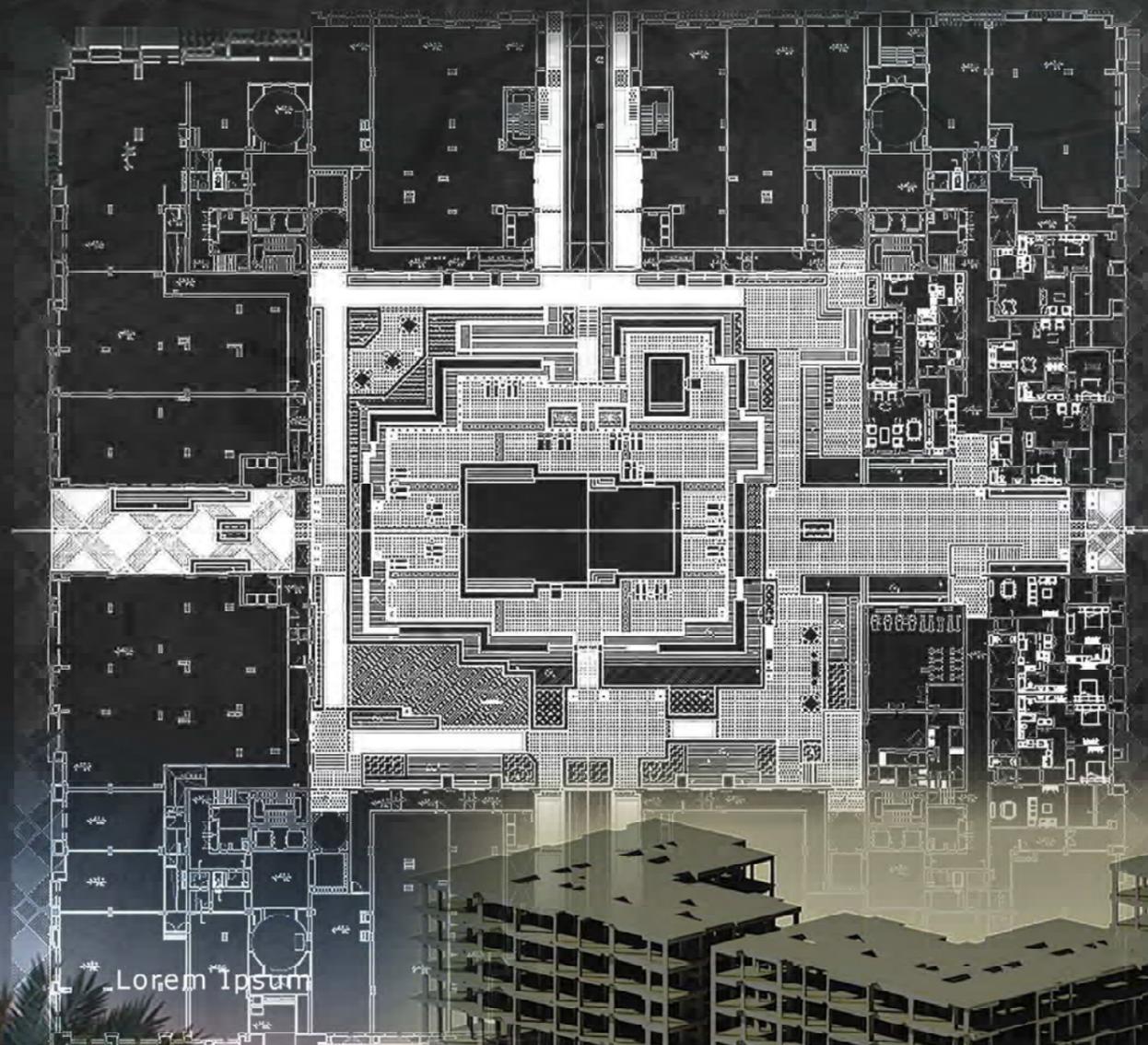
### Mivida Mixed-use Boulevard Cairo, Egypt

Client:



The project consists of six parcels, 36, 37, 38, 39, 40 and 41, each parcel consists of approximately 10,000 m2 podium, 4 residential buildings; consisting of 5 stories, each storey's area is about 1,850 m2. The approximate built up area of one parcel is 47,000 m2.

**Category:** Architectural and Structural Designs  
Tendering and BOQ  
**Location:** Cairo, Egypt.  
**Program:** Design Verification of all mentioned Buildings.  
Structural and Architectural QS for all Parcels  
Currently; redesign of all Parcels  
**Total Area:** 10,000 m2



Revit Model



Partner in success



**DORRA GROUP**  
Hassan Dorra CRC  
**R03, Mivida**  
New Cairo, Egypt

**Client**

Ministry of Defence  
Ministry of Housing & Development

**Scope:** Boundary Fences  
**Category:** Structural Design, Design Development, Design Verification, & Shop Drawings

Total Sheets: 500

| Rev. | Date       | Description         |
|------|------------|---------------------|
| 00   | 06-06-2019 | Issued For Approval |

| REFERENCE DRAWING |      |         |      |
|-------------------|------|---------|------|
| DRAWING           | REV. | DRAWING | REV. |
|                   |      |         |      |

| DOCUMENT REVIEW STATUS |  |
|------------------------|--|
| A                      | NO COMMENT PROVIDED  |
| B                      | REVISIONS WITH APPROVAL COMMENT - REQUIREMENT FOR FINAL APPROVAL |
| C                      | REVISIONS WITH MAJOR COMMENT - REQUIREMENT FOR REVIEW            |
| D                      | REVISIONS WITH MINOR COMMENT - REQUIREMENT FOR REVIEW            |

**Important Notes:**  
1- ALL DIMENSIONS ARE IN MM.  
2- DESIGN ALLOWABLE BEARING CAPACITY OF SOIL AT FOUNDATION LEVEL AT 15.00 M.  
3- CONTRACTOR SHOULD CONFIRM WITH GEOTECHNICAL REPORT BEFORE STARTING CONSTRUCTION.  
4- ALL ISOLATED FOOTING ARE CENTERED WITH ITS COLUMNS.  
5- ALL COLUMN TYPES AT THIS DRAWING ARE TYPE C... UNLESS MENTIONED OTHERWISE.  
6- ALL BEAM LEVELS AS PER THE DETAILED SECTION UNLESS MENTIONED OTHERWISE.



اسم المشروع  
**الاصحة الادارية**  
Cairo Capital  
المركز الاداري الجديد للعمال



الاستشاري العام  
**UDC**  
1190/18 AL-MOSHARAF NIVALD TAMEL ST.  
SHERATON BUILDING, CAIRO, EGYPT  
(TEL) +202 22691104 / 5 / 6 / 7 / 8

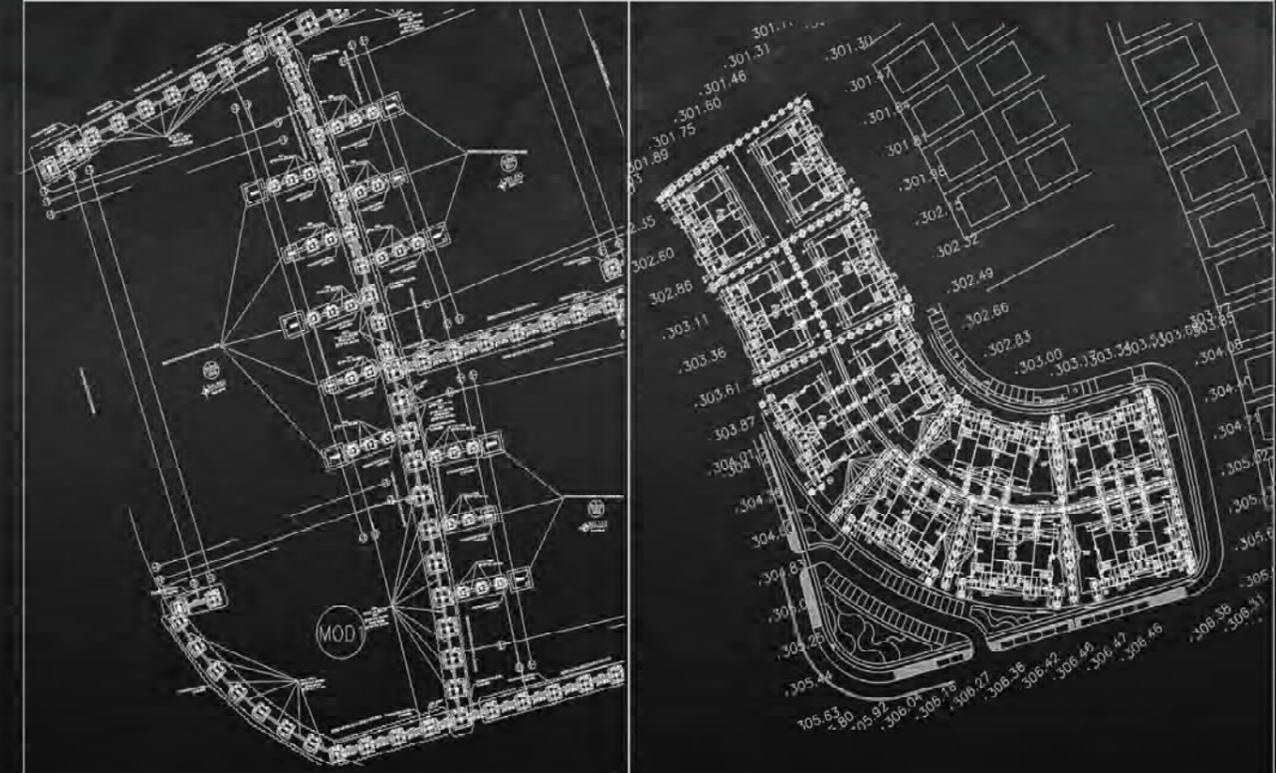
الاستشاري الانشائي  
**OKOPLAN**  
1160/15 AL-MOSHARAF AHMED GHAL ST.  
SHERATON BUILDING, CAIRO, EGYPT  
(TEL) +202 99691104 / 3 / 4 / 5 / 6 / 7 / 8

استشاري تنسيق الموقع  
**UDC**  
1190/18 AL-MOSHARAF NIVALD TAMEL ST.  
SHERATON BUILDING, CAIRO, EGYPT  
(TEL) +202 22691104 / 5 / 6 / 7 / 8

المقاول العام  
**الشركة الهندسية للاستشارات والتصميم**  
MEMBER OF DORRA GROUP

| Scale    | 1:50 & 1:25 | Current Issue Signatures                      |
|----------|-------------|---|
| Original | A0          | TO Author: A.A.<br>Reviewer: Hossam ELbeheiry |
| Datum    | 08-06-2019  | © Copyright reserved                          |

الاسوار  
اسم السبني - منطقة 4 - سيارو 3 - السور بين وحدات (2016) المشترك مع قطعة 2-11 و 2-10  
اسم اللوحة  
الاساسات الابعاد الخرسانية  
رقم اللوحة





Partner in success



China State Construction  
Engineering Corporation

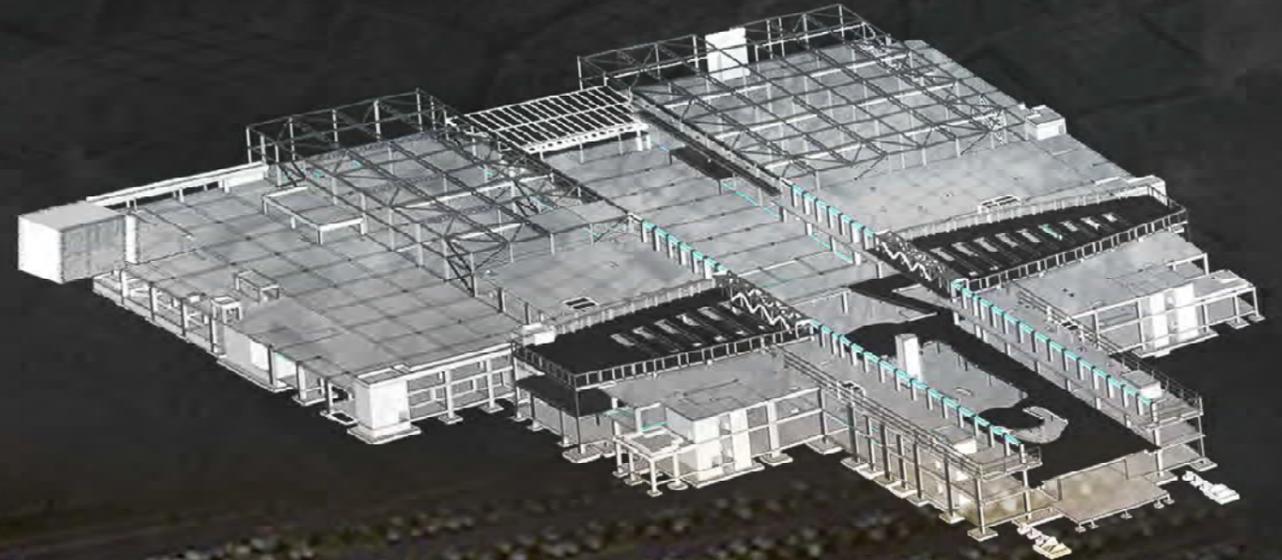
## Mirkaaz Mall

Dubai, UAE

Client: **Ajman Holding**

Category: Structural Design Development,  
Design Verification, & Shop Drawings,

Location: Dubai, UAE.





Partner in success



Client :



### Arab African International Bank New Capital, Egypt

The building consists of 4 parts, and consisting of 9 stories.

The approximate built up of the building is 9,000 m2.

**Category:** Structural and mep design development

**Location:** New Capital, Egypt.

**Program:**

Structural: Shop drawings reinforcement, concrete dimensions.

MEP: Design modification, design development and shop drawings.

Total Area: 9,000 m2

CLIENT



URBAN DEVELOPER



ARCHITECTURAL & STRUCTURAL CONSULTANT



MEP CONSULTANT



MAIN CONTRACTOR



KEY PLAN



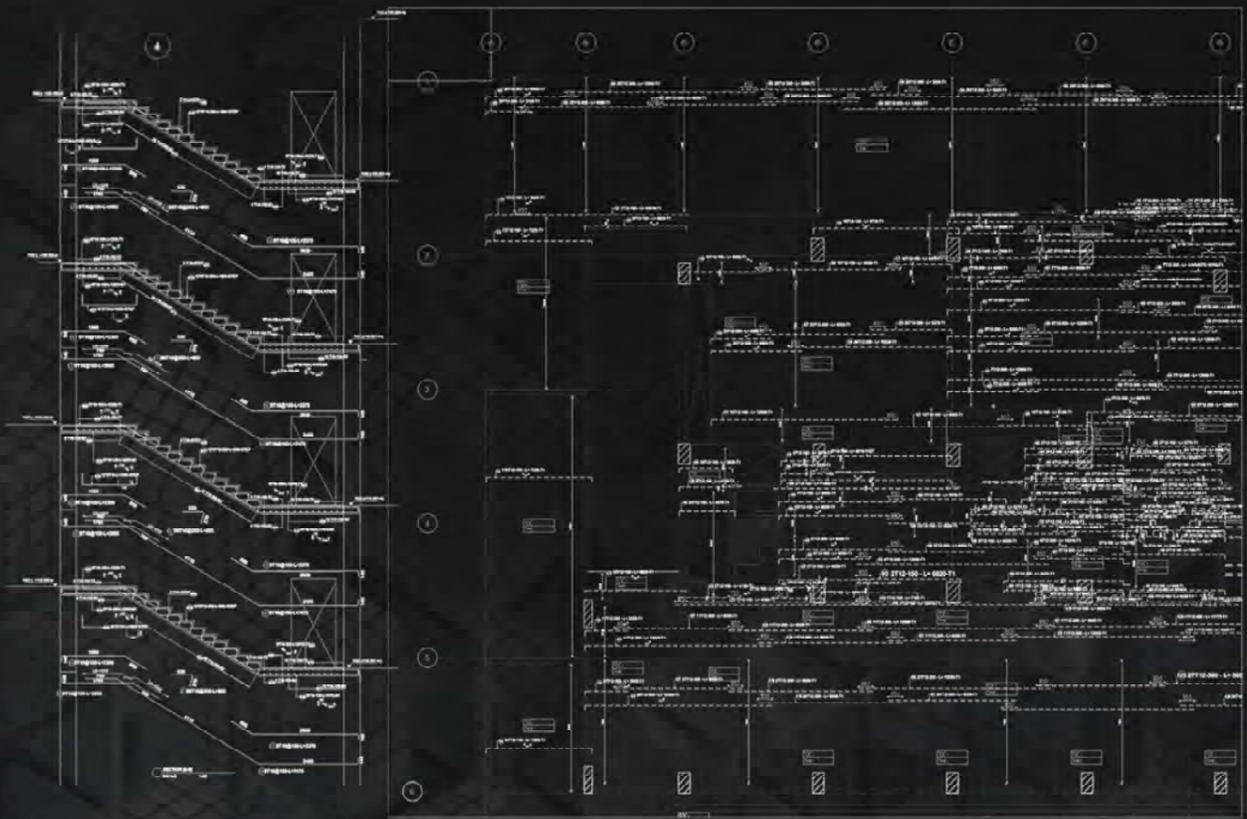
PROJECT DATA

ARAB AFRICAN INTERNATIONAL BANK  
AT ADMIN CAPITAL

DISCIPLINE

STRUCTURAL

STRUCTURAL REINFORCEMENT



### Arab African International Bank New Capital, Egypt





Partner in success

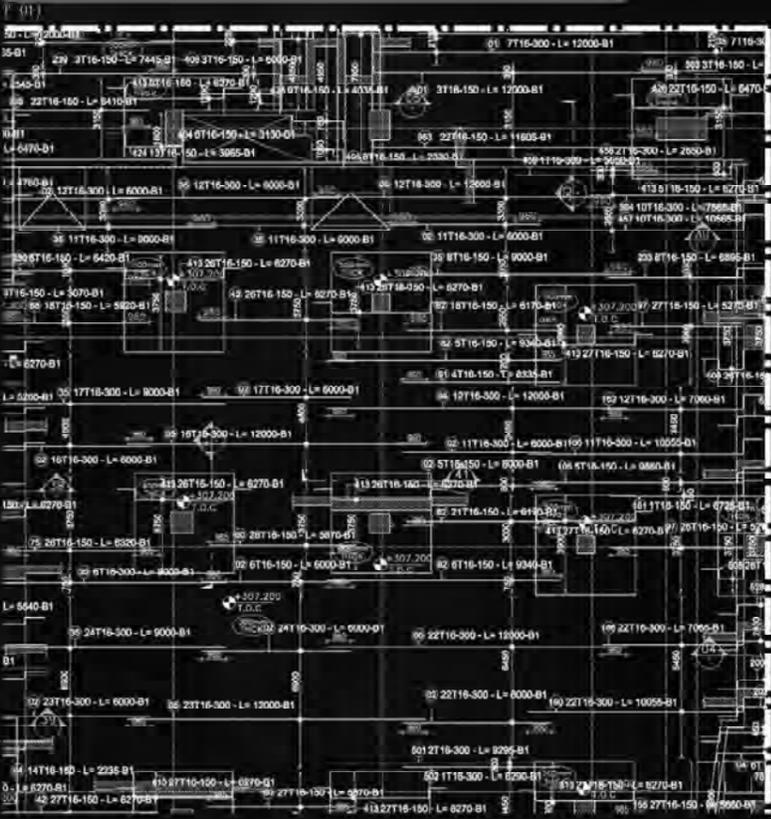


Suez Canal Bank - SCB  
New Capital, Egypt

Category: Architectural and Structural Design  
Development, Design Verification,  
& Shop Drawings

Location: New Capital, Egypt.

Program: Edges produced over 800  
Architectural and Structural  
Shop Drawings.



LEGEND AND ABBREVIATIONS.

|           |           |             |             |                      |                      |
|-----------|-----------|-------------|-------------|----------------------|----------------------|
| WALL TYPE |           |             |             | WALL TYPE DESIGNATOR |                      |
| WALL NO.  | Thickness | C.M.U. Type | Fire Rating | WALL TYPE            | WALL SIZE            |
| W01       | 200 mm    | Hollow      | -           | H-200                | -                    |
| W02       | 200 mm    | Solid       | -           | S-200                | -                    |
| W03       | 200 mm    | Solid       | 1 Hr        | H-200-F1             | FIRE RATING REQUIRED |
| W04       | 200 mm    | Solid       | 1.5 Hr      | H-200-F1.5           | FIRE RATING REQUIRED |
| W05       | 200 mm    | Solid       | 2 Hr        | H-200-F2             | FIRE RATING REQUIRED |
| W06       | 100 mm    | Solid       | -           | S-100                | -                    |
| W08       | 100 mm    | Hollow      | -           | H-100                | -                    |

|                       |             |
|-----------------------|-------------|
| DOOR DESIGNATOR KEY   |             |
| DOOR TYPE             | DOOR SILL   |
| D01-F                 | FIRE RATED  |
| WINDOW DESIGNATOR KEY |             |
| W02                   | WINDOW TYPE |

|                     |           |
|---------------------|-----------|
| ROOM DESIGNATOR KEY |           |
| PRAYER HALL         | ROOM NAME |
| 00 G03              | ROOM No.  |

|                            |                 |
|----------------------------|-----------------|
| INTERIOR ELEVATION CALLOUT |                 |
| ELEVATION NOT SHOWN        | ELEVATION SHOWN |

|                     |           |
|---------------------|-----------|
| SHEET SHOWN         |           |
| ARCH DESIGNATOR KEY | ARCH TYPE |
| LINTEL              | AR01      |
| FRAME TYPE          |           |

|               |           |
|---------------|-----------|
| MATCH LEGEND: |           |
| CONCRETE      | 300mm PAU |
| INSULATION    | 100mm PAU |
| 300mm PAU     |           |

M/E/C COORDINATION

|  |  |  |  |  |  |
|--|--|--|--|--|--|
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

PROJECT NAME  
**SUEZ CANAL BANK HEADQUARTER**

CLIENT  
**Suez Canal Bank-SCB**



JOINT VENTURE CONSULTANCY

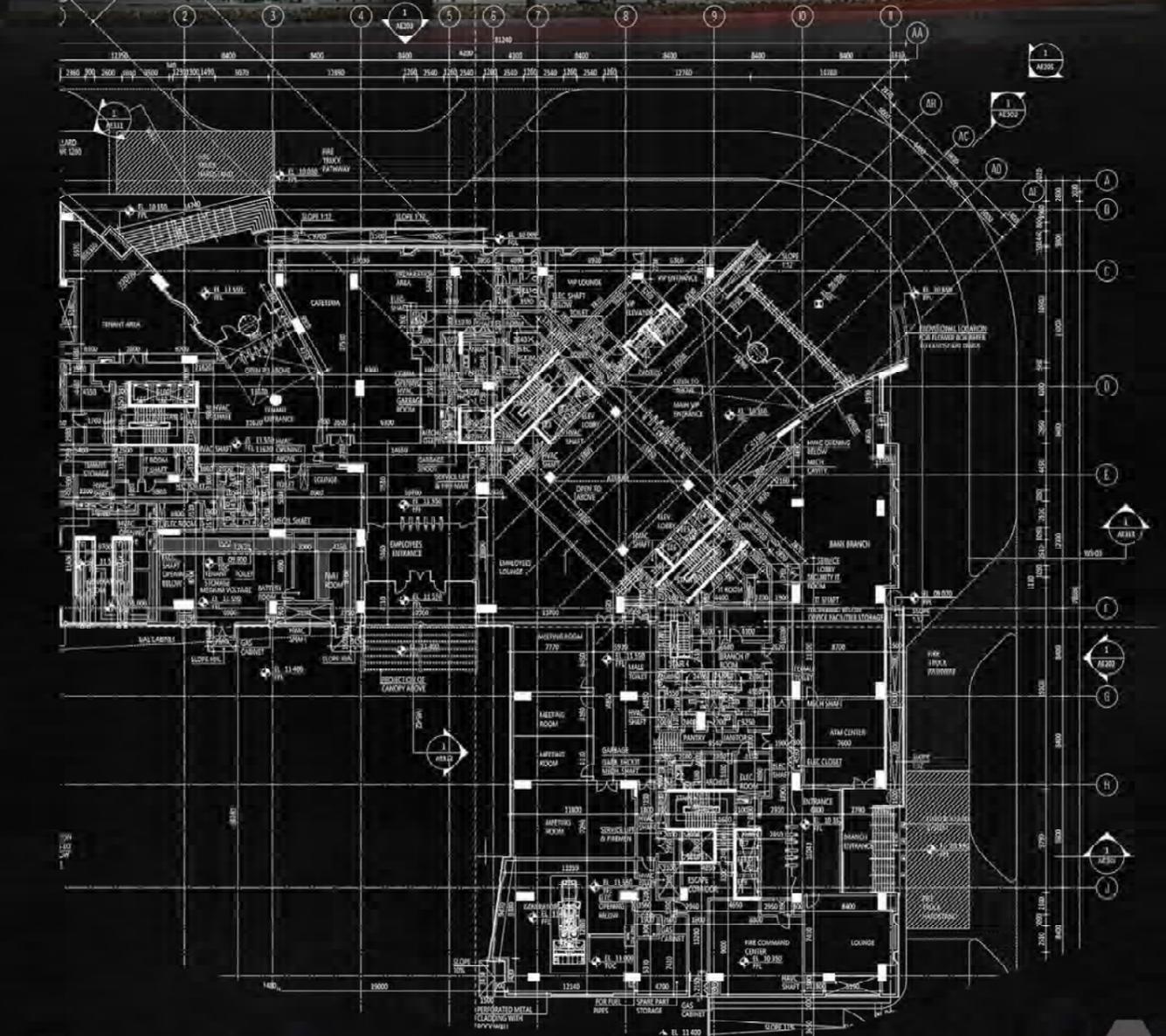
ECG  
ENGINEERING CONSULTANTS GROUP S.A.  
www.ecgsa.com

SHAKER  
CONSULTANCY GROUP

URBAN DEVELOPER:  
ACUD  
ADMINISTRATIVE CAPITAL FOR URBAN DEVELOPMENT  
الهيئة العامة للتخطيط العمراني

PROJECT CONTRACTOR:  
HASSAN ALLAM  
CONSTRUCTION

Suez Canal Bank - SCB  
New Capital, Egypt





Partner in success



Client:



**Commercial International Bank CIB**

New Capital, Egypt

**Category:** Architectural Design Development, Design Verification, & Shop Drawings.

**Location:** New Administrative Capital of Egypt

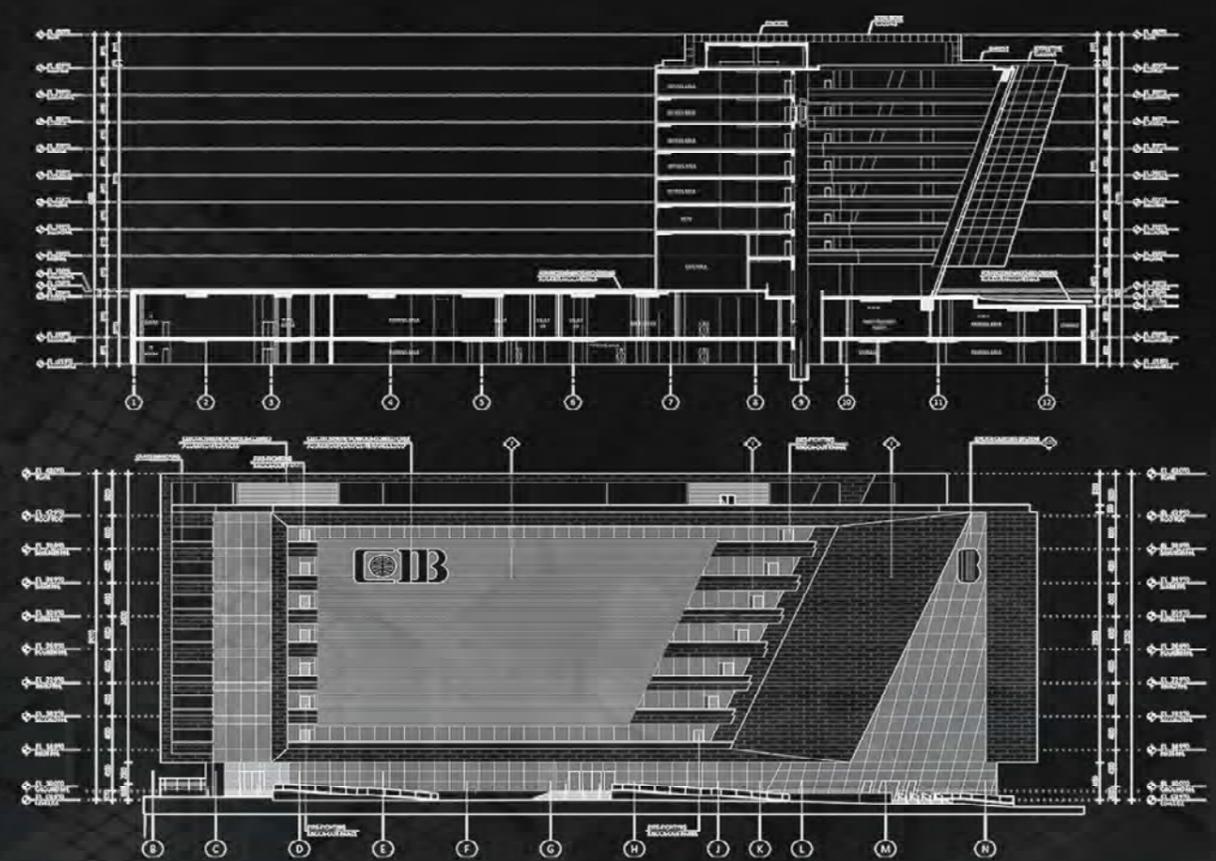
**Short Bio:** Working on Design Development, Design Verification, Shop Drawings for the main administrative building in New Capital City in Egypt.

**Program:** Block Work Drawings  
 Finishes Drawings  
 Flooring Drawings  
 Ceiling Drawings  
 Wet Areas / Pantry Drawings  
 Elevations Drawings

| LEGEND AND ABBREVIATIONS:   |                          |                          |                       |
|---|--------------------------|--------------------------|-----------------------|
| WALL TYPE   | WALL NO.                 | WALL THICKNESS           | C.M.U. Type           |
| W01   | 200 mm                   | Hollow                   | --                    |
| W02   | 200 mm                   | Hollow                   | 1 Hr                  |
| W03   | 100 mm                   | Solid                    | --                    |
| W04   | 200 mm                   | Solid                    | --                    |
| W05   | 100 mm                   | Solid                    | 1 Hr                  |
| W06   | 200 mm                   | Solid                    | 2 Hr                  |
| W07   | 200 mm                   | Solid                    | 1.5 Hr                |
| W08   | 100 mm                   | Hollow                   | --                    |
| W09   | 200 mm                   | Solid                    | 1 Hr                  |
| W10   | 100 mm                   | Gypsum Board             | --                    |
| W11   | 200 mm                   | Gypsum Board             | --                    |
| LE  | = LEVEL                  |                          |                       |
| T.O.C   | = TOP OF CONCRETE        |                          |                       |
| F.F.L   | = FINISH FLOOR LEVEL     |                          |                       |
| T.O.PR  | = TOP OF PARAPET         |                          |                       |
| F.P.L   | = FINISH PAVEMENT LEVEL  |                          |                       |
| T.O.W   | = TOP OF WALL            |                          |                       |
| F.C.L   | = FINISH CEILING LEVEL   |                          |                       |
| F.F.L   | = FINISH FLOOR LEVEL     |                          |                       |
| T.O.S.S   | = TOP OF STAINLESS STEEL |                          |                       |
| F.G.L   | = FINISH GRAVEL LEVEL    |                          |                       |
| F.D   | = FLOOR DRAIN            |                          |                       |
| R.D   | = ROOF DRAIN             |                          |                       |
| E.J   | = EXPANSION JOINT        |                          |                       |
| C.U   | = CONDENSER UNIT         |                          |                       |
| SLAB TH   | = SLAB THICKNESS         |                          |                       |
| C.J   | = CONTROL JOINT          |                          |                       |
| DOOR MATERIAL   | M                        | = METAL                  |                       |
|   | W                        | = WOOD                   |                       |
| FIRE RATING   | F1                       | = 60 MIN                 |                       |
|   | F2                       | = 120 MIN                |                       |
|   | F3                       | = 180 MIN                |                       |
| WALL HEIGHT   | P                        | = PARTIAL WALL           |                       |
|   | B                        | = TO BOTTOM OF STRUCTURE |                       |
| MEP COORDINATION  |                          |                          |                       |
| REV. SUB.   | Description              | Date                     | Dra                   |
| - PROJECT NAME:   |                          |                          |                       |
| <b>CIB BANK HEADQUARTER</b>   |                          |                          |                       |
| CLIENT:   |                          |                          |                       |
| Commercial International Bank-CIB   |                          |                          |                       |
| URBAN DEVELOPER:  |                          |                          |                       |
| ADMINISTRATIVE CAPITAL FOR URBAN DEVELOPMENT<br>العاصمة الإدارية للتمهيد العمراني |                          |                          |                       |
| JOINT VENTURE CONSULTANCY:  |                          |                          |                       |
| ECG ENGINEERING CONSULTANTS GROUP S.A.<br>www.ecgsa.com                           |                          |                          |                       |
| SHAKER CONSULTANCY GROUP  |                          |                          |                       |
| - PRODUCED BY:  |                          |                          |                       |
| EDGES Contracting & Engineering services  |                          |                          |                       |
| - PROJECT CONTRACTOR:   |                          |                          |                       |
| HASSAN ALLAM CONSTRUCTION   |                          |                          |                       |
| DRAWING SCALE   | DATE                     | CHECK                    |                       |
| 1:100   | 19-10-2019               |                          |                       |
| - DRAWING TITLE:  |                          |                          |                       |
| FOURTH FLOOR PLAN - BLOCK WORK PART 1-4   |                          |                          |                       |
| - DRAWING NUMBER:   |                          |                          |                       |
| 2607  | HAC                      | B                        | AAR A08 03 P1 001 R00 |

| DOOR DESIGNATOR KEY        |                      |
|----------------------------|----------------------|
| LINTEL                     | ↑                    |
| DOOR TYPE                  | - D01-F - FIRE RATED |
| WINDOW DESIGNATOR KEY      |                      |
| LINTEL                     | ↑                    |
| W02                        | → WINDOW TYPE        |
| SILL                       | ↓                    |
| ROOM DESIGNATOR KEY        |                      |
| ROOM NAME                  | PRAYER HALL          |
| ROOM No.                   | 00 G03               |
| FLOOR                      |                      |
| INTERIOR ELEVATION CALLOUT |                      |
| ELEVATION NOT SHOWN        | ↖                    |
| ELEVATION SHOWN            | ↗                    |
| SHEET SHOW                 |                      |
| ARCH DESIGNATOR KEY        |                      |
| LINTEL                     | ↑                    |
| ARCH TYPE                  | - AR01               |
| FRAME TYPE                 |                      |
| HATCH LEGEND:              |                      |
| CONCRETE                   | ▨                    |
| HOLLOW CMU                 | ▤                    |
| SOLID CMU                  | ▥                    |

**Commercial International Bank CIB**  
 New Capital, Egypt



Partner in success



Client :



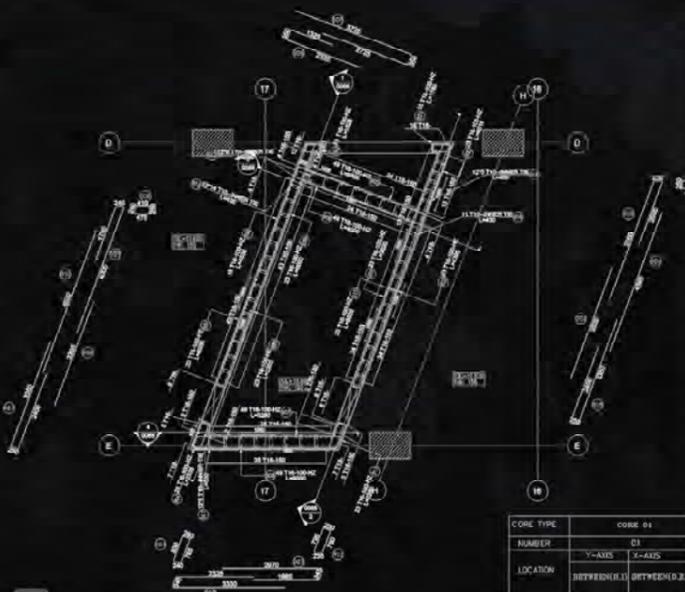
## Arab African International Bank New Head Quarters Ninety New Cairo, Egypt

The project consists of 2 parts with approximate area 9,000 m<sup>2</sup> consisting of 10 stories, it's design as two different zones connected with bridges.

**Category:** Structural Design Development  
Design Verification, & Shop Drawings.

**Location:** Cairo, Egypt.

**Program:**  
Structural: Reinforcement for (foundations, columns, cores and walls, slabs, beams, stairs  
Concrete dimensions for (foundations, slabs, beams, columns and stairs.



KEY PLAN

PROJECT  
AAIB New Head Quarters  
1-NINETY, Nineteen St, New Cairo

CLIENT  
Address: Midan Al Bony Al Soofia,  
Dokki City, Cairo, Egypt  
P.O. Box: 114655 El Shab El Khay  
Fax: 2 8227844 1 9  
A.S.O.

PROJECT MANAGER  
Website:  
PENTAGON OFFICE Building, Banks  
1st Floor, New Cairo,  
14002 2320000 Fax: 202  
www.hill.com + 20200012

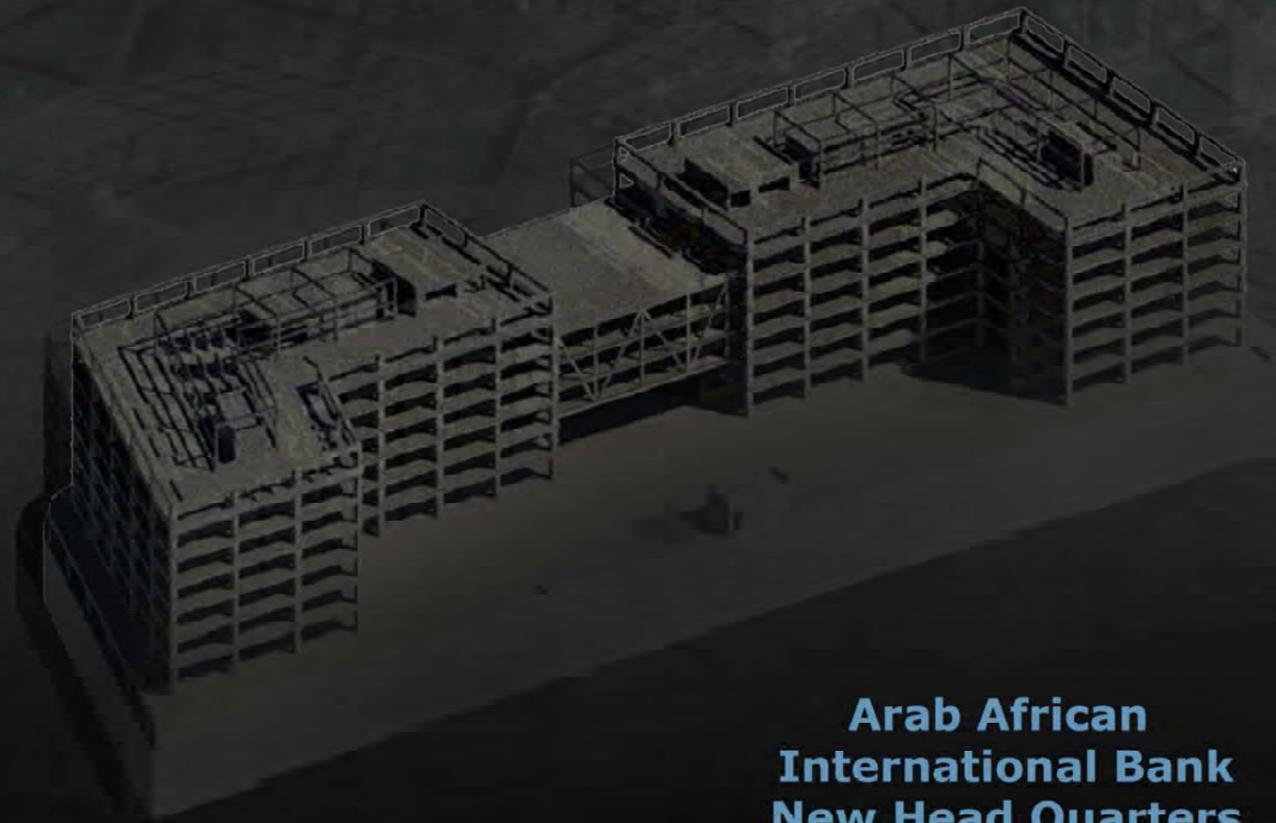
CONSULTANT CONSORTIUM

**EHA** **EHA F** **SHAKER**  
Structural Engineering Firm  
14002 2320000  
14002 2320000  
14002 2320000  
14002 2320000

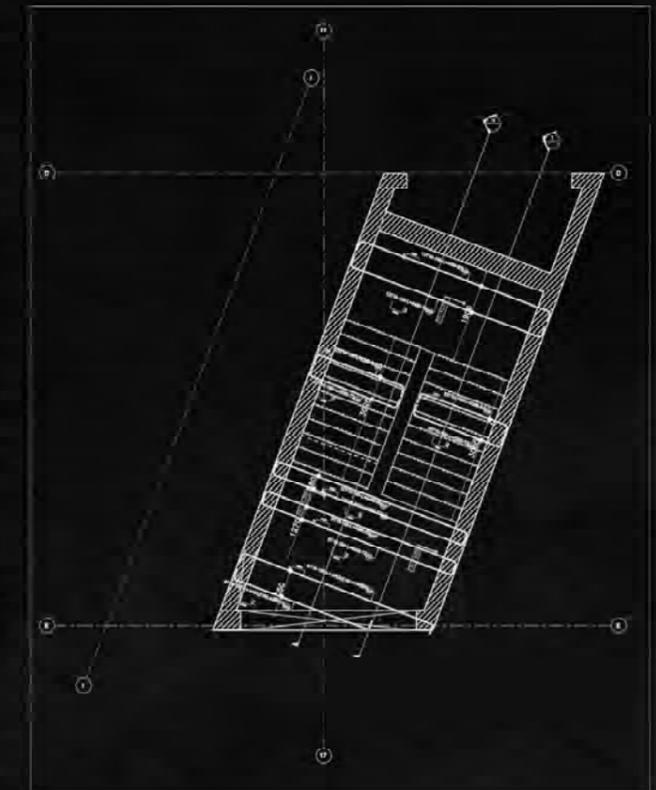
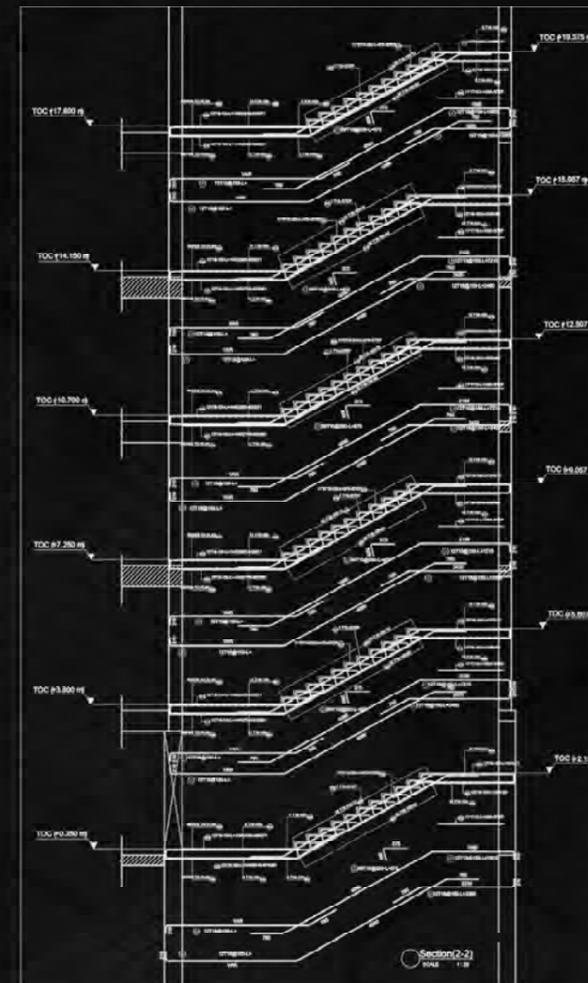
INTERNATIONAL CONSULTANT  
BRIDMORE, OWINGS & MERRILL  
100 BROADWAY  
NEW YORK, NY 10004  
www.bom.com

CONTRACTOR IN CHARGE  
**HASSAN ALLAM CONSTRUCTION** **HASSAN ALLAM TECHNOLOGIES**

BUILDING NAME  
ARAB AFRICAN INTERNATIONAL BANK



## Arab African International Bank New Head Quarters Ninety New Cairo, Egypt



Stairs Sectional Plan RFT  
at Level (+0.350 - +3.800)  
SCALE 1:25



Partner in success



Client



## ARK BUSINESS DISTRICT PHASE 3 Buildings 3A 3B 3C

The Ark Business District Phase 3 comprises three architecturally distinctive buildings—3A, 3B, and 3C—offering a mix of office spaces, retail outlets, and recreational areas. These structures are designed with modern aesthetics and functionality, catering to diverse business needs. The development emphasizes sustainability, with a significant portion of the area dedicated to green

**Category:** Structural shopdrawing  
**Location:** New Cairo , Cairo

### Program:

The structural scope covers all activities related to reinforcement detailing and coordination for the project's concrete and structural elements, including:

- Slabs, Columns, and Beams: Complete reinforcement detailing for all slabs, beams, and columns in accordance with the approved structural drawings and project specifications. Includes bar schedules, bending details, and placement drawings for proper construction execution.
- Core Walls: Detailed reinforcement for all shear walls, elevator cores, and stair cores, ensuring structural integrity and compliance with seismic and design requirements
- Swimming Pool: Reinforcement detailing for the swimming pool structure, including walls, slabs, and base, accounting for water-tightness and durability requirements.
- Coordination & Documentation: Preparation of shop drawings, bar bending schedules, and reinforcement reports.
- Coordination with MEP and architectural scopes to avoid clashes and ensure smooth construction.

Developer  
The Ark Development

The Ark

New Cairo, Egypt  
T: 202 25279  
www.arkdevelopment.com  
Cairo 30 | La Piedad 88 | Helwan 8 | Heliopolis 8

Project Manager  
Hill International

HILL  
International

149 - NCF Building, Sheikh Zayed  
City District - 5th Settlement, New Cairo, Egypt  
T: 202 2322096 | F: 202 2322092  
www.hill.com

Supervision Consultant

AC ATTABY CONSULTANCY  
عتابى للاستشارات الهندسية

Main Contractor

INSPIRE

Structural Consultant

INTERNATIONAL CONSULTING ENGINEERS  
مركز الدراسات والبحوث الهندسية

Prepared By Subcontractor





Partner in success

**HOWEEDY**

هويدي للاستشارات الهندسية  
Howeedy for Engineering Consulting

**Boulevard Mall**

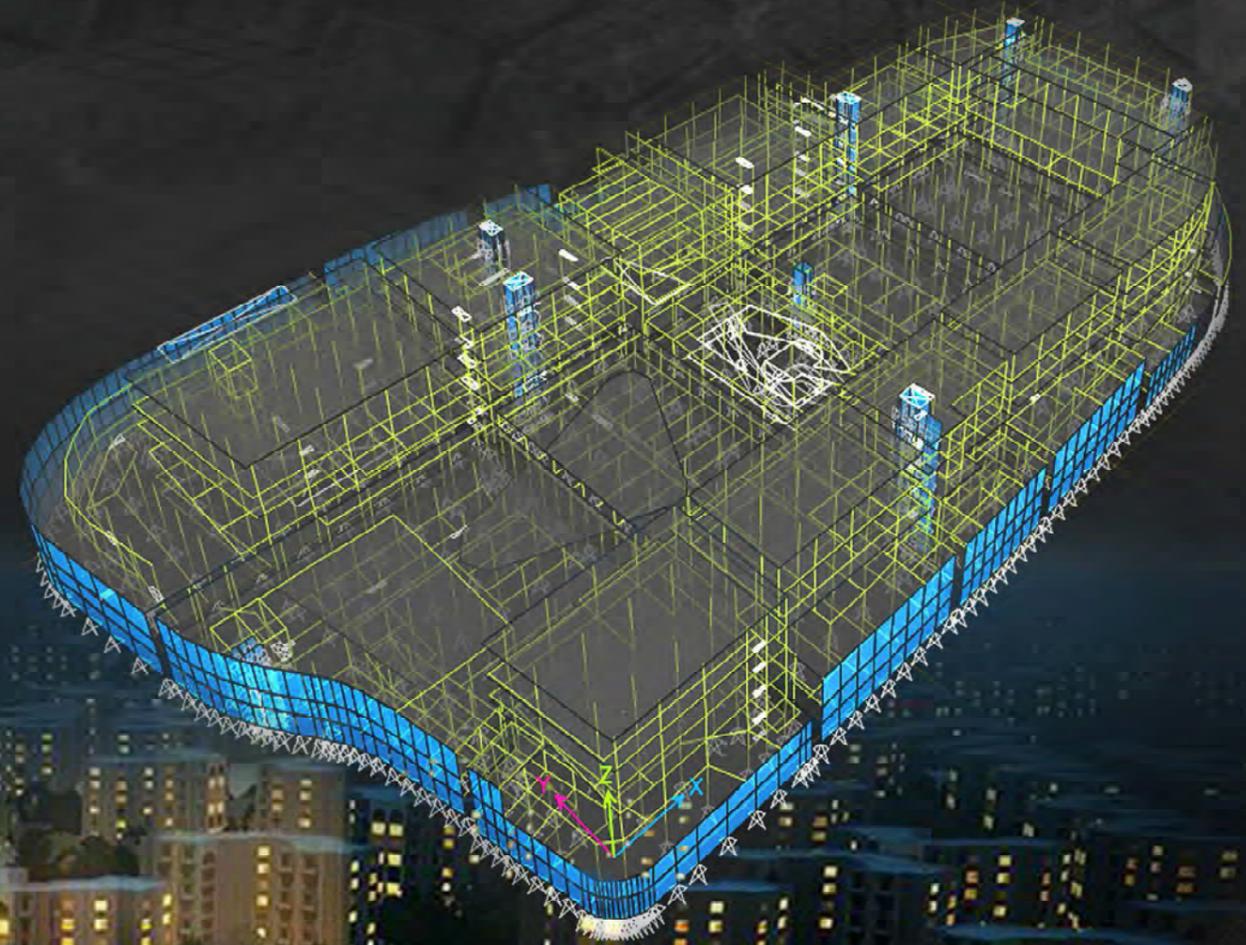
Al Rehab City, Cairo, Egypt

Client : **Awlad Ragab Group.**

Category : Full Structural Schematic Design  
and Modeling

Location : Al-Rehab City, Cairo, Egypt.

Total Area : 40000 m2, 7 Storey Building.





# HIGHT RISE BULIDING PROJECTS





Partner in success



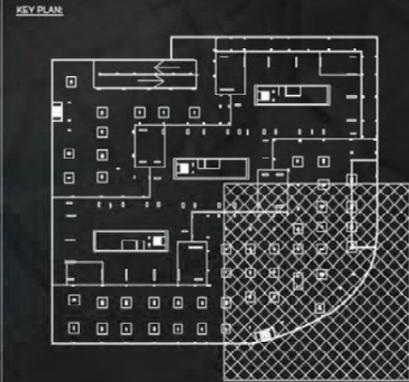
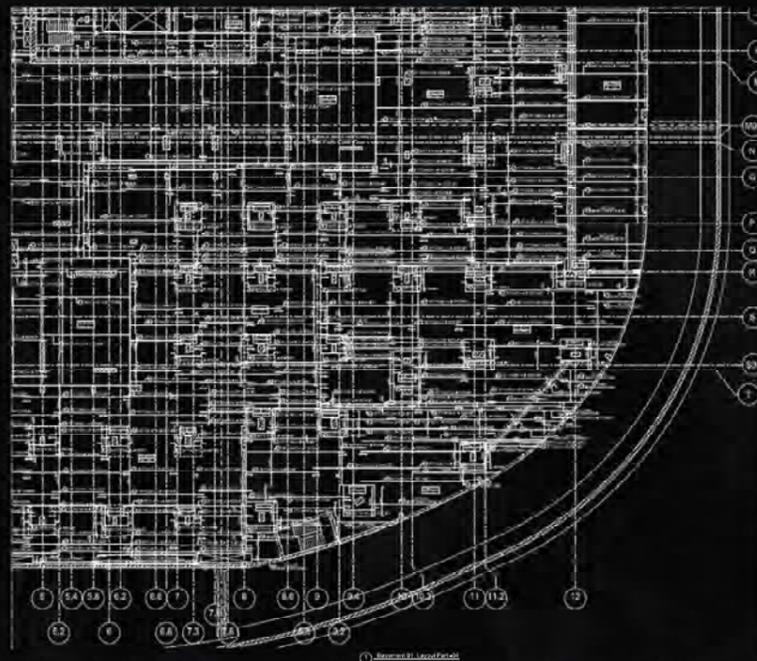
Client:



**AEON Tower**  
6<sup>th</sup> of October city, Egypt

20 Floors Towers that present the best of both; urban and suburban living, situated in West Cairo, Aeon Towers deliver an unparalleled high-end living experience accentuated by a diverse range of services and facilities, achieving a great balance between the comfort and tranquility of suburban life and the excitement of modern living.

- Owner:** Marakez Group (Member of Fawaz Hokair Group)
- Category:** Structural Design Development, Design Verification, & Shop Drawings.
- Location:** 6<sup>th</sup> of October City, Egypt.
- Program:** Beams Reinforcement Detailing, Core Walls Reinforcement Detailing, Swimming Pool Reinforcement Detailing.



DESIGN REFERENCE & LETTERS

| NO. | NUMBER                | TITLE                  | REV | DATE      |
|-----|-----------------------|------------------------|-----|-----------|
| 01  | 00-ST-03-01-01-000-00 | BASEMENT 01 FLOOR PLAN | 06  | JUN. 2019 |

REVISION TABLE

| REV | DATE      | ISSUED FOR | DRW | CHK |
|-----|-----------|------------|-----|-----|
| 00  | AUG. 2019 | APPROVAL   |     |     |
| 01  | AUG. 2019 | APPROVAL   |     |     |

PROJECT: AEON TOWER 6th October City



MAIN CONSULTANT:  
**EHAFA**  
CONSULTING ENGINEERS  
5 Abd El rahman Hussein St.,  
Mohandseen, Cairo, Egypt  
T: +20 (2)3760 10 99  
F: +20 (2)3760 88 64  
info@ehaf.com  
www.ehaf.com

STRUCTURAL CONSULTANT:  
**CDEC**  
CENTER OF DESIGN & ENGINEERING CONSULTING  
Prof. Dr. M. EL-SHAARAWY, Prof. Dr. A. EL-SHAARAWY  
195 SAHAB GARDEN ST. 6TH OF OCTOBER CITY, CAIRO, EGYPT  
TEL: 02 33083000 FAX: 02 33083001

M/E/P CONSULTANT:  
**SHAKER CONSULTANCY GROUP**

SITE SUPERVISION CONSULTANT:  
**ECG**  
ENGINEERING CONSULTANTS GROUP S.A.  
www.ecgsa.com

MAIN CONTRACTOR:  
**HASSAN ALLAM CONSTRUCTION**

SHEET TITLE:  
**(SHOP DRAWING)**  
Basement 01 Layout Part 4  
Bottom Reinforcement Details (X-Direction)

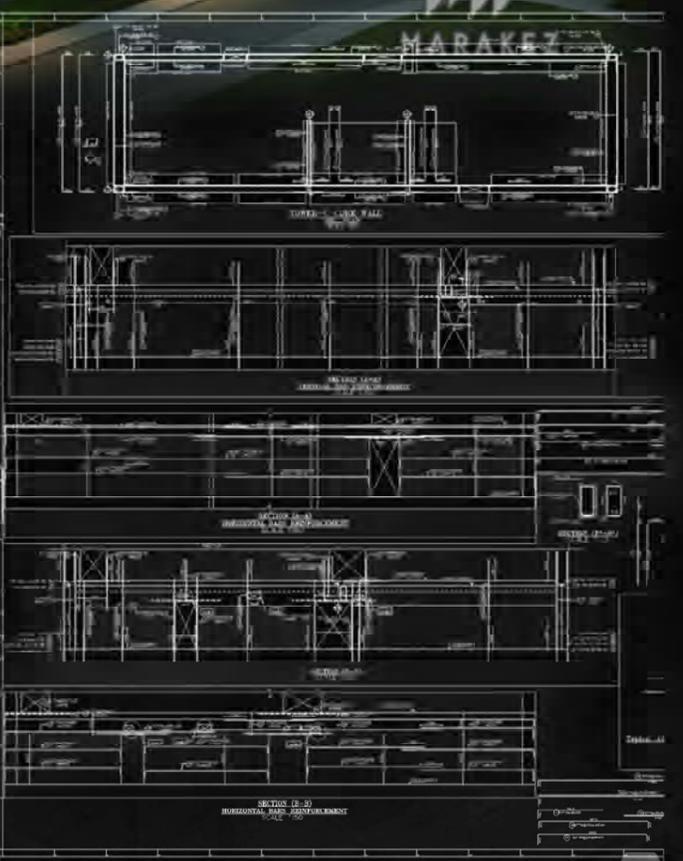
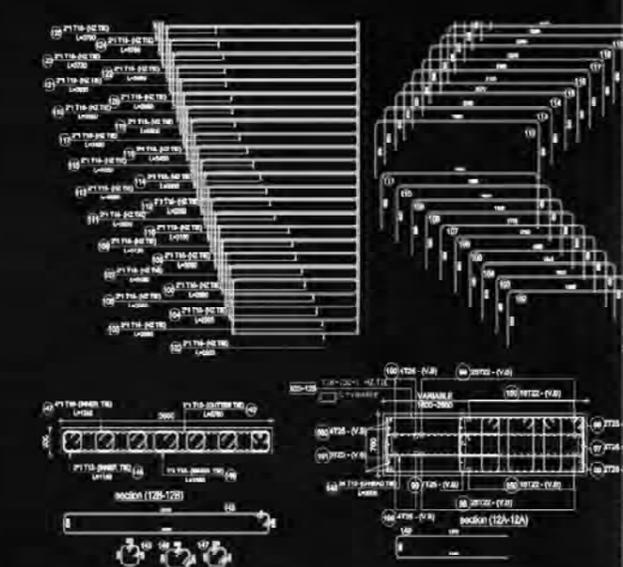
DRAWING NUMBER

| DESIGNER | CHECKER | DATE | SCALE | NO. | REV. | DATE |
|----------|---------|------|-------|-----|------|------|
| ALUN     | HAC     | PM   | 01    | SU  | S    | RF   |

ZOOM



**AEON Tower**  
6<sup>th</sup> of October city, Egypt



Partner in success



Client



# Iconic Tower

Alamein Downtown Towers, New Alamein City, Egypt

The Iconic Tower is a modern skyscraper located in the heart of Egypt's New Administrative Capital, about 45 kilometers east of Cairo. Designed to be a symbol of Egypt's future, the tower merges ancient heritage with contemporary design and is the tallest building in Africa.

**Category:** Structure design , shopdrawing  
**Location:** the New Administrative Capital of Egypt

**Program:**  
 Structure of the Iconic Tower Project  
 the scope structure typically outlines the main components and deliverables. For the Iconic Tower, the scope may include:  
 Structural Works  
 Deep foundations and piling  
 Core concrete structure  
 Steel frame and composite materials  
 Earthquake resistance systems

**PROJECT NAME:**  
 Alamein Downtown Towers  
 ألامين新城超高综合体项目

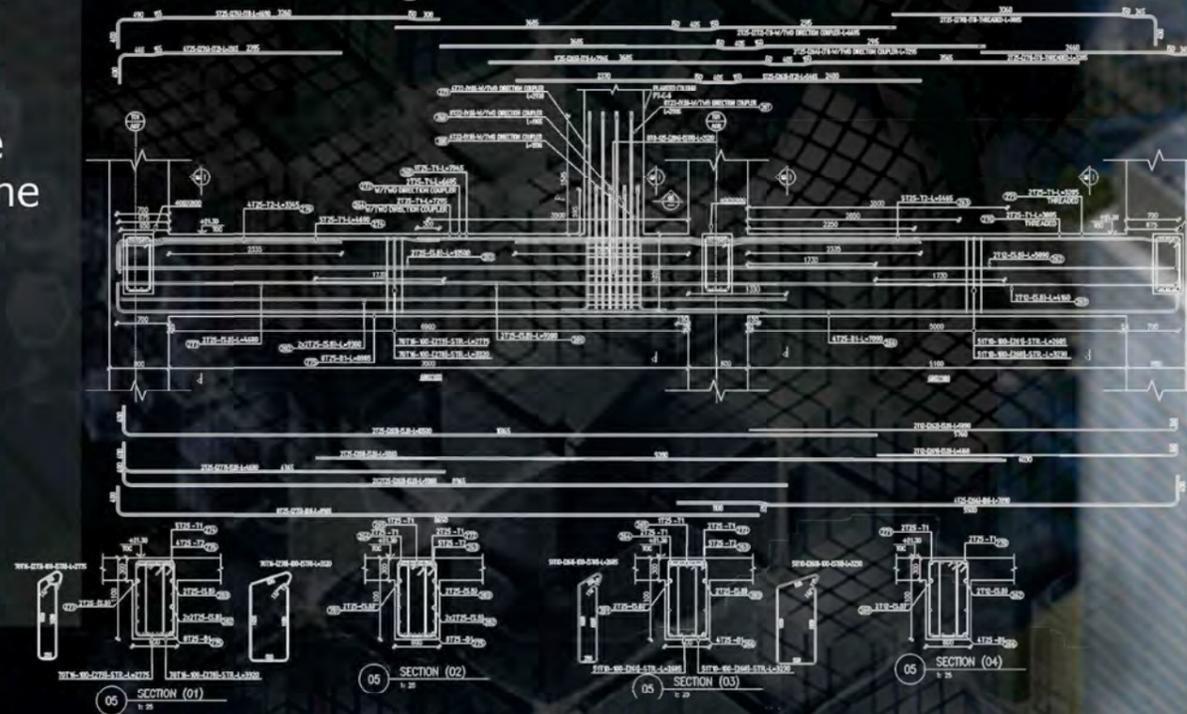
**CLIENT:**

Ministry of Housing, Utilities & Urban Communities

New Urban Communities Authority

**THE ENGINEER:**  
**dar** Dar Al-Handasah (Egypt) Shair & Partners

**CONTRACTOR:**  
 中國建築股份有限公司  
 CHINA STATE CONSTRUCTION ENGRG . CORP . LTD





# HOSPITALITY PROJECTS



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

 [instagram social media](#)

 [facebook social media](#)

Tel. / Fax: 002 02 25658414

Address: Gardenia Mall, 5<sup>th</sup> Settlement, New Cairo, Egypt

[info@edgescons.com](mailto:info@edgescons.com)



Partner in success



Client



**H9  
MARASSI HOTEL**  
North Coast, Egypt

The project consists of 10 parts consisting of 5 stories, each storey's area is about 10,000 m2. The approximate built up area of hotel is 43,000 m2.

**Category:**

Architectural and structural design development

**Location:** North Coast, Egypt.

**Program:**

Architectural: Design modification, design development and shop drawings.

Structural: Design verification, design development Shop drawings reinforcement, concrete dimensions and Revit modelling.

MEP :Infra Design modification & shop drawings.

Total Area: 43,000 m2

**PROJECT:**  
MARINA H9 BEACH HOTEL  
THE ADDRESS HOTEL  
MEDITERRANEAN-NORTH COAST, EGYPT

**CLIENT:**  
 EMAAR MISR FOR DEVELOPMENT S.A.E  
P.O. BOX 229  
MOKATTAM, CAIRO  
EGYPT  
TEL: +20.2.2503.2000  
FAX: +20.2.2503.2020  
EMAIL: WWW.EMAAR.COM

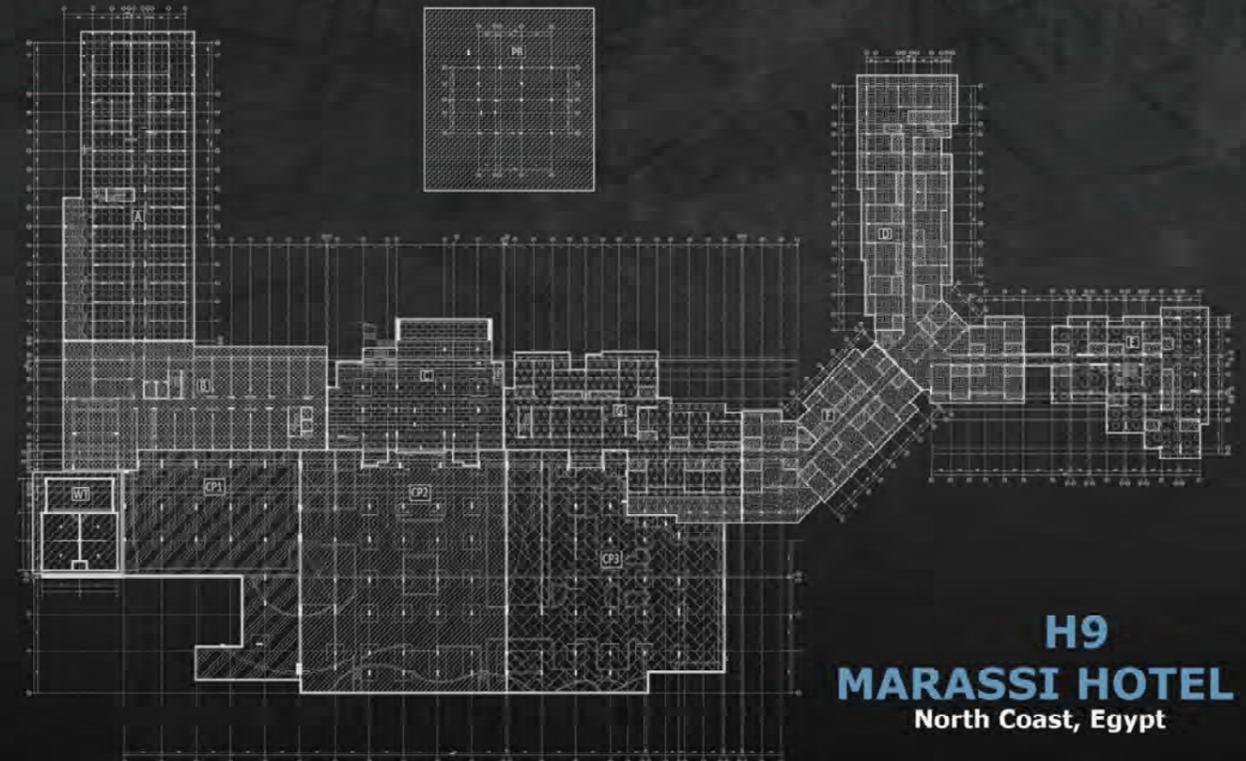
**PROJECT MANAGEMENT:**  
 TURNER INTERNATIONAL MIDDLE EAST  
SALES CENTER, GROUND FLOOR  
MOKATTAM, CAIRO, EGYPT  
PHONE: +20 2 2503 2040  
FAX: +20 2 2503 2099  
EMAIL: MSA@TCCCO.COM

**LEAD CONSULTANT:**  
 ECG  
ENGINEERING CONSULTANTS GROUP S.A.  
www.ecg.sa.com

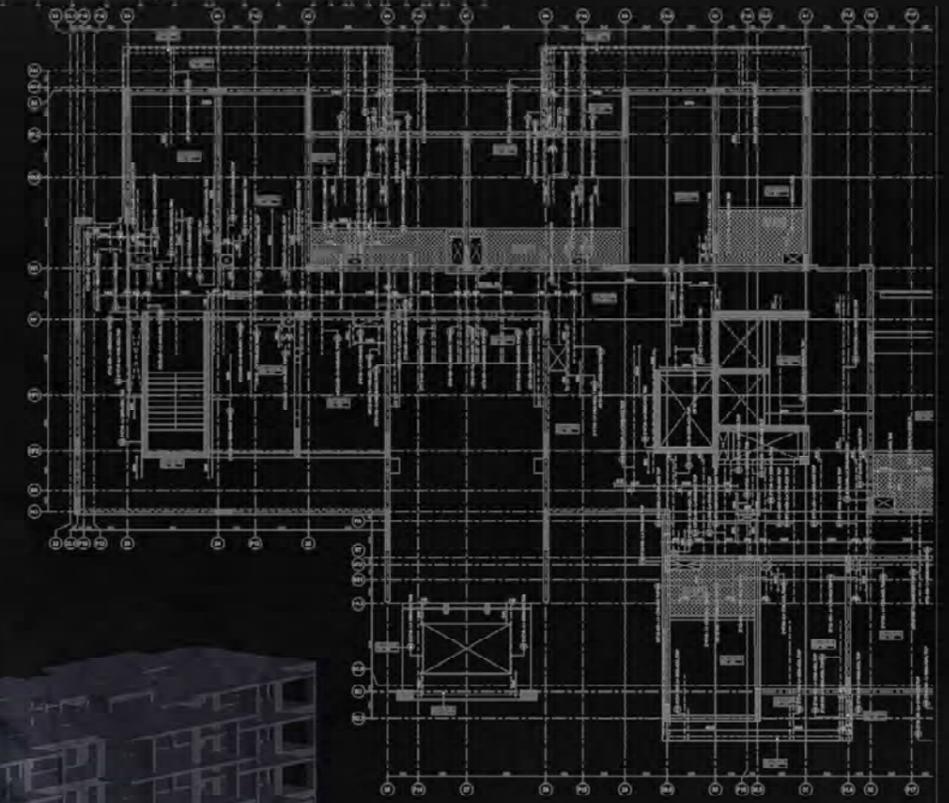
**SUB CONSULTANT:**  
 PERKINS EASTMAN  
115 FIFTH AVENUE,  
NEW YORK, NY 10003  
T: +1 212 363 7200  
F: +1 212 363 7676

**SUB CONSULTANT:**  
 WILSON ASSOCIATES  
DUBAI  
Dubai Design District  
Building 4, Suite 0500, 5th Floor  
P.O. Box 336133  
Dubai, United Arab Emirates  
T: +971 (0) 4279 8400  
www.wilsonassociates.com

**MAIN CONTRACTOR:**  
 HASSAN ALLAM CONSTRUCTION



**H9  
MARASSI HOTEL**  
North Coast, Egypt



Partner in success :



Client: **Al-Masah Hotel**  
New Capital, Egypt

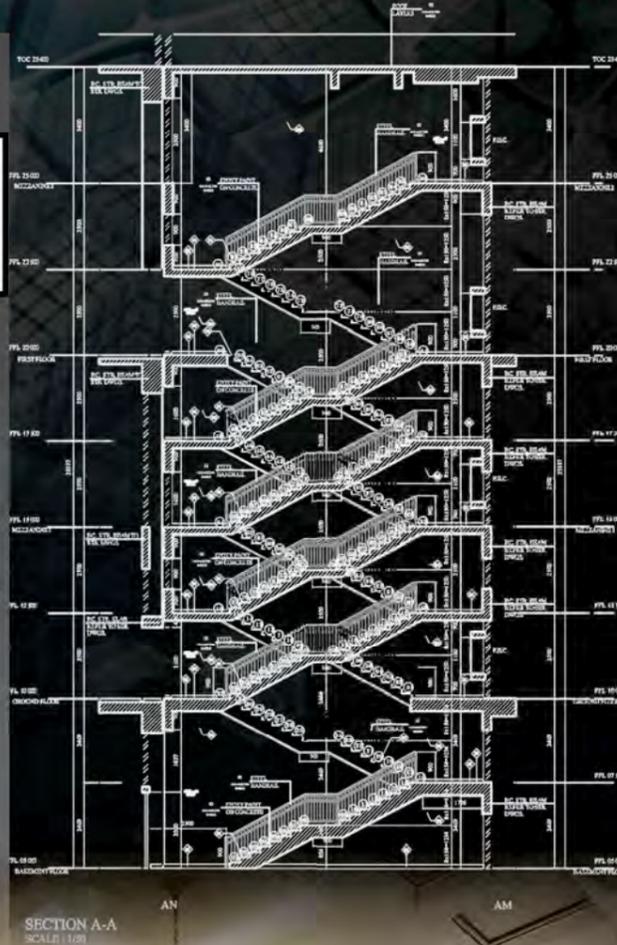
EDGES participated in producing over 1200 Architectural and Structural Design Verification, Design Development & Shop Drawings.

**Category:** Architectural and Structural Design Verification, Design Development, & Shop Drawings

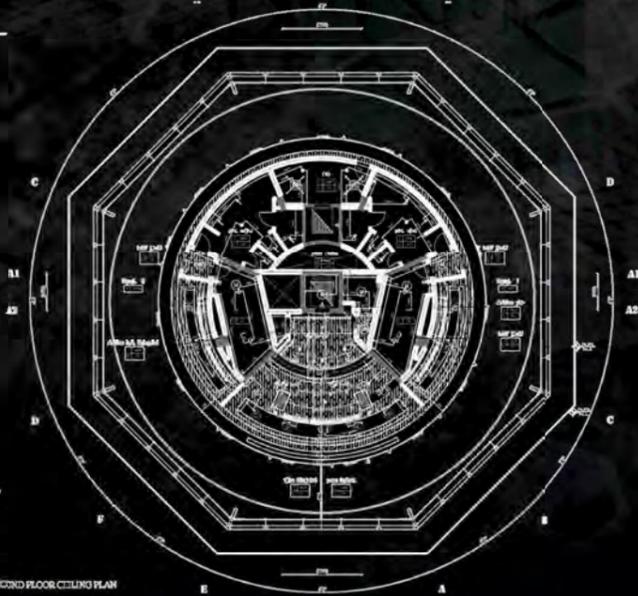
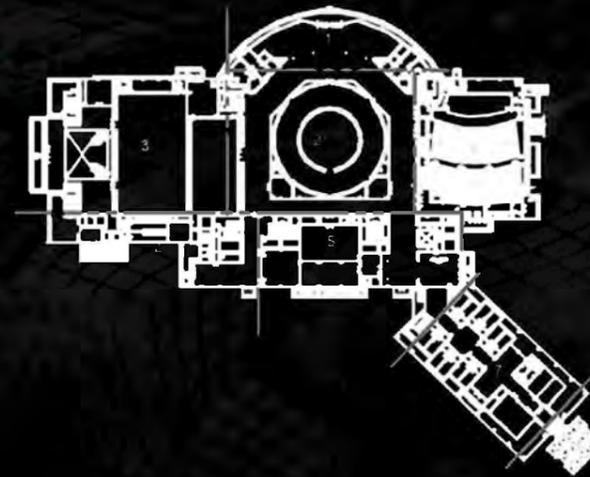
**Location:** New Capital, Cairo, Egypt

**Total sheets:** Over 700 Structural Design Verification, Design Development & Shop Drawings.

Over 550 Architectural Design Verification, Design Development & Shop Drawings.



KEY PLAN



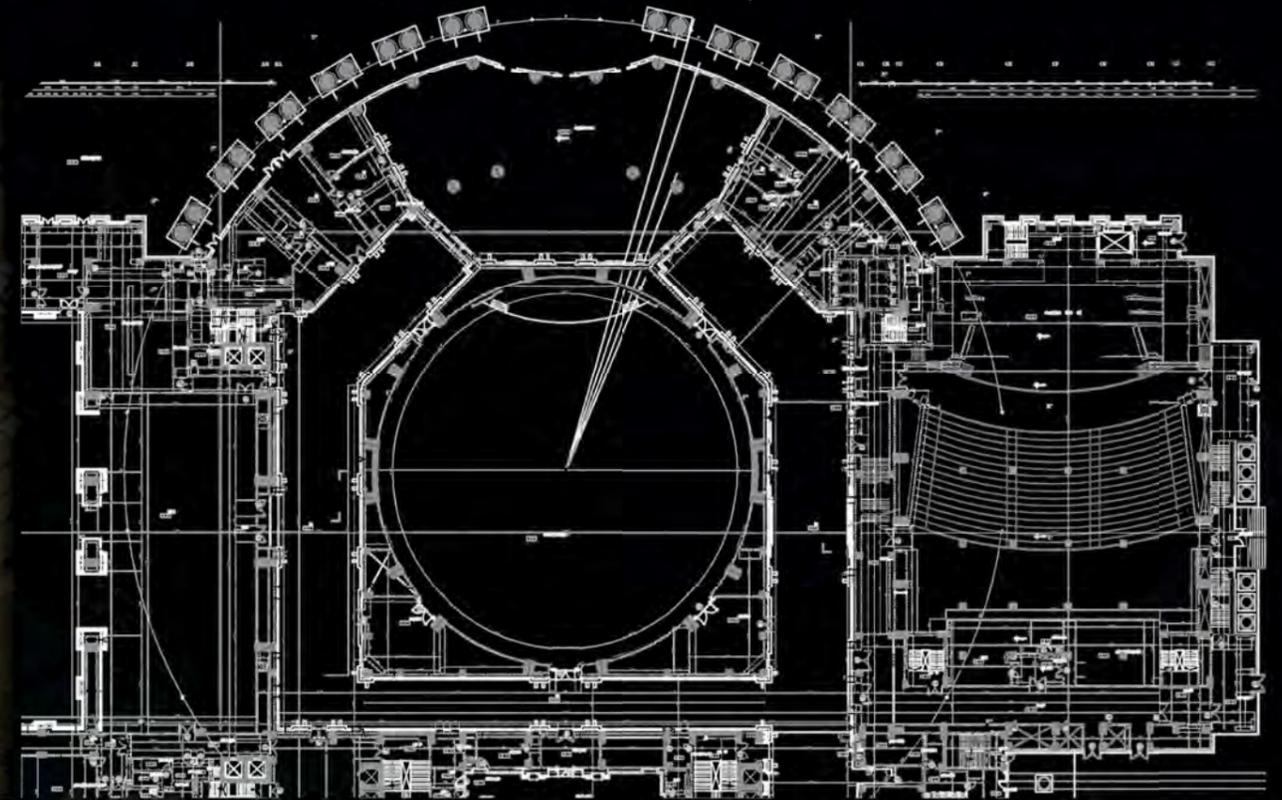
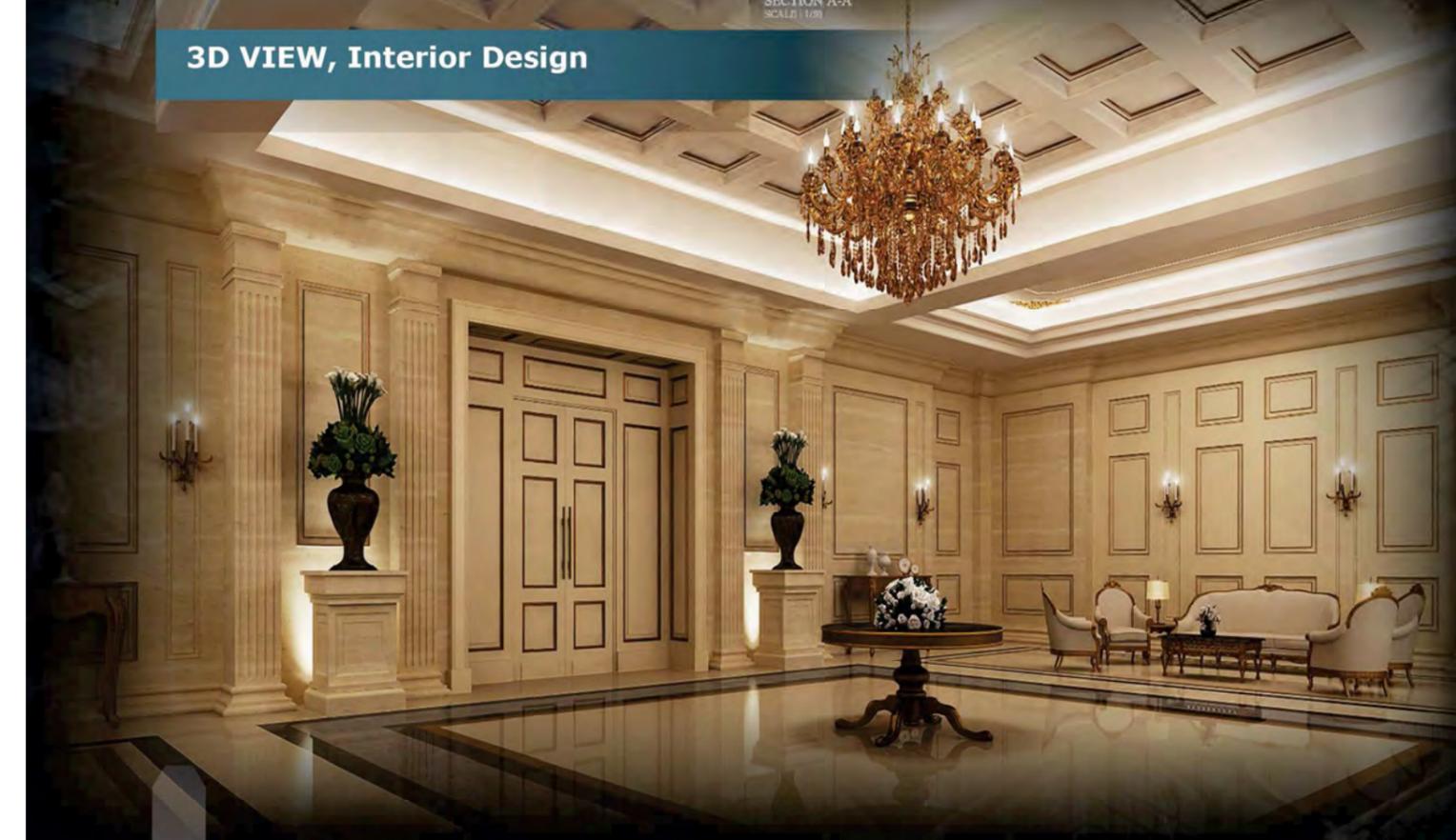
ECG ENGINEERING CONSULTANTS GROUP  
 21, EL-DOKKI DISTRICT, BULL. 91/62, EL-DOKKI, CAIRO, EGYPT  
 P.O. BOX: 1167, CAIRO 11511, EGYPT TEL: +20 2 22744240 FAX: +20 2 22744240  
 WWW: WWW.ECG.COM WWW SITE: WWW.ECG.COM



المساح  
ALMASAH

Al Masah, New Capital Icon

3D VIEW, Interior Design



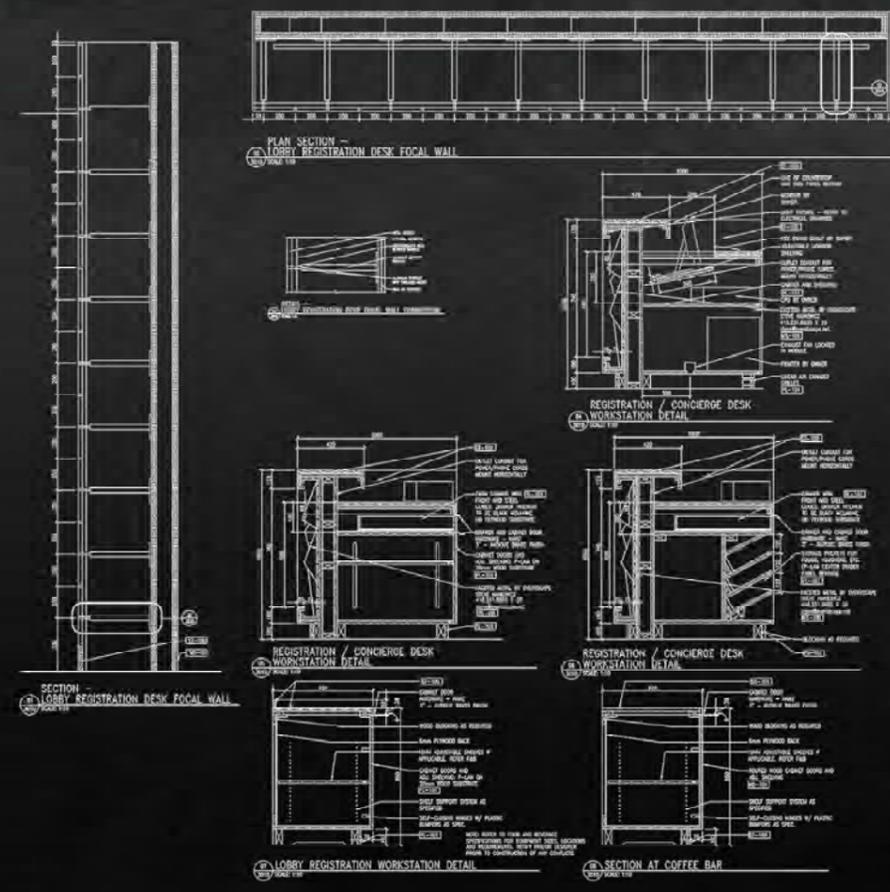
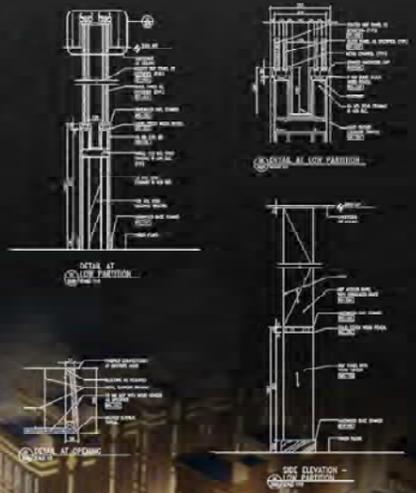
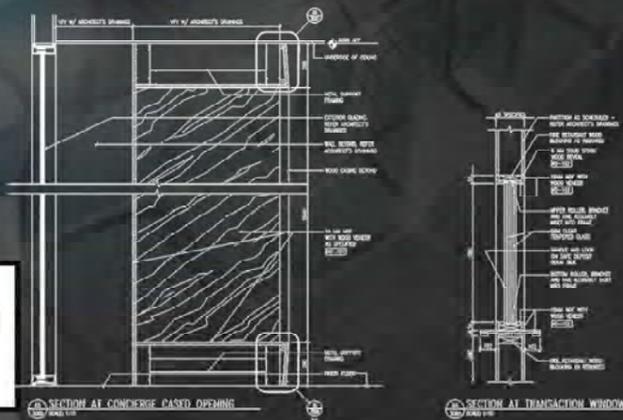
Partner in success



**Jabal Omar**  
Makkah, Saudi Arabia

Client: Jabal Omar Development Company

Partner: JETCOM INTERNATIONAL  
Category: Architectural Design Development,  
& Shop Drawings.  
Total Sheets: 800 Sheets



**KEY PLAN:**

**NOTES:**

1. ALL DIMENSIONS ARE IN METERS.
2. ALL DIMENSIONS ARE TO FACE UNLESS SPECIFIED OTHERWISE.
3. ALL DIMENSIONS ARE TO FACE UNLESS SPECIFIED OTHERWISE.
4. ALL DIMENSIONS ARE TO FACE UNLESS SPECIFIED OTHERWISE.
5. ALL DIMENSIONS ARE TO FACE UNLESS SPECIFIED OTHERWISE.

**LEGEND:**

- FINISHED CONCRETE
- FINISHED WALL
- FINISHED FLOOR
- FINISHED CEILING
- FINISHED GLASS
- FINISHED METAL
- FINISHED WOOD
- FINISHED FABRICATION
- FINISHED PAINT
- FINISHED PLASTER
- FINISHED Gypsum
- FINISHED INSULATION
- FINISHED MECHANICAL
- FINISHED ELECTRICAL
- FINISHED SANITARY
- FINISHED FURNITURE
- FINISHED LIGHTING
- FINISHED SIGNAGE
- FINISHED SECURITY
- FINISHED ACCESSIBILITY
- FINISHED SUSTAINABILITY
- FINISHED WELL-BEING
- FINISHED COMMUNITY
- FINISHED CULTURE
- FINISHED ECONOMY
- FINISHED ENVIRONMENT
- FINISHED SOCIETY
- FINISHED TECHNOLOGY
- FINISHED INNOVATION
- FINISHED LEADERSHIP
- FINISHED EXCELLENCE
- FINISHED INTEGRITY
- FINISHED RESPECT
- FINISHED RESPONSIBILITY
- FINISHED TRANSPARENCY
- FINISHED ACCOUNTABILITY
- FINISHED ETHICALITY
- FINISHED HONESTY
- FINISHED FAITHFULNESS
- FINISHED COURAGE
- FINISHED PATIENCE
- FINISHED HUMILITY
- FINISHED GRACE
- FINISHED KINDNESS
- FINISHED MERCY
- FINISHED COMPASSION
- FINISHED GENTLENESS
- FINISHED MILDNESS
- FINISHED PEACE
- FINISHED LOVE
- FINISHED JOY
- FINISHED HOPE
- FINISHED FAITH
- FINISHED TRUST
- FINISHED OBEDIENCE
- FINISHED SUBMISSION
- FINISHED RESPECTFULNESS
- FINISHED COURTESY
- FINISHED POLITENESS
- FINISHED DECORUM
- FINISHED DIGNITY
- FINISHED HONOR
- FINISHED REVERENCE
- FINISHED SACREDNESS
- FINISHED HOLINESS
- FINISHED RIGHTEOUSNESS
- FINISHED JUSTICE
- FINISHED EQUITY
- FINISHED FAIRNESS
- FINISHED BALANCE
- FINISHED HARMONY
- FINISHED BALANCE
- FINISHED EQUILIBRIUM
- FINISHED STABILITY
- FINISHED SECURITY
- FINISHED PROTECTION
- FINISHED DEFENSE
- FINISHED RESISTANCE
- FINISHED ENDURANCE
- FINISHED PERSEVERANCE
- FINISHED PERSISTENCE
- FINISHED DETERMINATION
- FINISHED RESOLVE
- FINISHED COURAGE
- FINISHED BRAVERY
- FINISHED VALIANTNESS
- FINISHED HEROISM
- FINISHED GALLANTRY
- FINISHED VALOR
- FINISHED COURAGE
- FINISHED BRAVERY
- FINISHED VALIANTNESS
- FINISHED HEROISM
- FINISHED GALLANTRY
- FINISHED VALOR

**COORDINATED WITH THE FOLLOWING DISCIPLINE:**

| Discipline     | Lead                      | Team                |
|----------------|---------------------------|---------------------|
| Architectural  | JETCOM INTERNATIONAL      | Architectural Team  |
| MEP            | MEP CONSULTANT            | MEP Team            |
| Structural     | STRUCTURAL ENGINEER       | Structural Team     |
| Electrical     | ELECTRICAL ENGINEER       | Electrical Team     |
| Plumbing       | PLUMBING ENGINEER         | Plumbing Team       |
| Mechanical     | MECHANICAL ENGINEER       | Mechanical Team     |
| Fire           | FIRE ENGINEER             | Fire Team           |
| Accessibility  | ACCESSIBILITY CONSULTANT  | Accessibility Team  |
| Security       | SECURITY CONSULTANT       | Security Team       |
| Well-being     | WELL-BEING CONSULTANT     | Well-being Team     |
| Community      | COMMUNITY CONSULTANT      | Community Team      |
| Culture        | CULTURE CONSULTANT        | Culture Team        |
| Economy        | ECONOMY CONSULTANT        | Economy Team        |
| Environment    | ENVIRONMENTAL CONSULTANT  | Environment Team    |
| Society        | SOCIETY CONSULTANT        | Society Team        |
| Technology     | TECHNOLOGY CONSULTANT     | Technology Team     |
| Innovation     | INNOVATION CONSULTANT     | Innovation Team     |
| Leadership     | LEADERSHIP CONSULTANT     | Leadership Team     |
| Excellence     | EXCELLENCE CONSULTANT     | Excellence Team     |
| Integrity      | INTEGRITY CONSULTANT      | Integrity Team      |
| Respect        | RESPECT CONSULTANT        | Respect Team        |
| Responsibility | RESPONSIBILITY CONSULTANT | Responsibility Team |
| Transparency   | TRANSPARENCY CONSULTANT   | Transparency Team   |
| Accountability | ACCOUNTABILITY CONSULTANT | Accountability Team |
| Ethicality     | ETHICALITY CONSULTANT     | Ethicality Team     |
| Honesty        | HONESTY CONSULTANT        | Honesty Team        |
| Faithfulness   | FAITHFULNESS CONSULTANT   | Faithfulness Team   |
| Courage        | COURAGE CONSULTANT        | Courage Team        |
| Patience       | PATIENCE CONSULTANT       | Patience Team       |
| Humility       | HUMILITY CONSULTANT       | Humility Team       |
| Grace          | GRACE CONSULTANT          | Grace Team          |
| Kindness       | KINDNESS CONSULTANT       | Kindness Team       |
| Mercy          | MERCY CONSULTANT          | Mercy Team          |
| Compassion     | COMPASSION CONSULTANT     | Compassion Team     |
| Gentleness     | GENTLENESS CONSULTANT     | Gentleness Team     |
| Mildness       | MILDNESS CONSULTANT       | Mildness Team       |
| Peace          | PEACE CONSULTANT          | Peace Team          |
| Love           | LOVE CONSULTANT           | Love Team           |
| Joy            | JOY CONSULTANT            | Joy Team            |
| Hope           | HOPES CONSULTANT          | Hope Team           |
| Faith          | FAITH CONSULTANT          | Faith Team          |
| Trust          | TRUST CONSULTANT          | Trust Team          |
| Obedience      | OBEDIENCE CONSULTANT      | Obedience Team      |
| Submission     | SUBMISSION CONSULTANT     | Submission Team     |
| Respectful     | RESPECTFUL CONSULTANT     | Respectful Team     |
| Courteous      | COURTEOUS CONSULTANT      | Courteous Team      |
| Polite         | POLITE CONSULTANT         | Polite Team         |
| Decorous       | DECOROUS CONSULTANT       | Decorous Team       |
| Dignified      | DIGNIFIED CONSULTANT      | Dignified Team      |
| Honorable      | HONORABLE CONSULTANT      | Honorable Team      |
| Reverent       | REVERENT CONSULTANT       | Reverent Team       |
| Sacred         | SACRED CONSULTANT         | Sacred Team         |
| Holy           | HOLY CONSULTANT           | Holy Team           |
| Righteous      | RIGHTEOUS CONSULTANT      | Righteous Team      |
| Just           | JUST CONSULTANT           | Just Team           |
| Equitable      | EQUITABLE CONSULTANT      | Equitable Team      |
| Fair           | FAIR CONSULTANT           | Fair Team           |
| Harmonious     | HARMONIOUS CONSULTANT     | Harmonious Team     |
| Balanced       | BALANCED CONSULTANT       | Balanced Team       |
| Equilibrium    | EQUILIBRIUM CONSULTANT    | Equilibrium Team    |
| Stable         | STABLE CONSULTANT         | Stable Team         |
| Secure         | SECURE CONSULTANT         | Secure Team         |
| Protected      | PROTECTED CONSULTANT      | Protected Team      |
| Defended       | DEFENDED CONSULTANT       | Defended Team       |
| Resistant      | RESISTANT CONSULTANT      | Resistant Team      |
| Enduring       | ENDURING CONSULTANT       | Enduring Team       |
| Persistent     | PERSISTENT CONSULTANT     | Persistent Team     |
| Determined     | DETERMINED CONSULTANT     | Determined Team     |
| Resolute       | RESOLUTE CONSULTANT       | Resolute Team       |
| Courageous     | COURAGEOUS CONSULTANT     | Courageous Team     |
| Brave          | BRAVE CONSULTANT          | Brave Team          |
| Valiant        | VALIANT CONSULTANT        | Valiant Team        |
| Heroic         | HEROIC CONSULTANT         | Heroic Team         |
| Gallant        | GALLANT CONSULTANT        | Gallant Team        |
| Valorous       | VALOROUS CONSULTANT       | Valorous Team       |
| Courageous     | COURAGEOUS CONSULTANT     | Courageous Team     |
| Brave          | BRAVE CONSULTANT          | Brave Team          |
| Valiant        | VALIANT CONSULTANT        | Valiant Team        |
| Heroic         | HEROIC CONSULTANT         | Heroic Team         |
| Gallant        | GALLANT CONSULTANT        | Gallant Team        |
| Valorous       | VALOROUS CONSULTANT       | Valorous Team       |

**CONTRACT DRAWING REFERENCES:**

| Discipline     | Reference          |
|----------------|--------------------|
| Architectural  | ARCHITECTURAL RFI  |
| MEP            | MEP RFI            |
| Structural     | STRUCTURAL RFI     |
| Electrical     | ELECTRICAL RFI     |
| Plumbing       | PLUMBING RFI       |
| Mechanical     | MECHANICAL RFI     |
| Fire           | FIRE RFI           |
| Accessibility  | ACCESSIBILITY RFI  |
| Security       | SECURITY RFI       |
| Well-being     | WELL-BEING RFI     |
| Community      | COMMUNITY RFI      |
| Culture        | CULTURE RFI        |
| Economy        | ECONOMY RFI        |
| Environment    | ENVIRONMENTAL RFI  |
| Society        | SOCIETY RFI        |
| Technology     | TECHNOLOGY RFI     |
| Innovation     | INNOVATION RFI     |
| Leadership     | LEADERSHIP RFI     |
| Excellence     | EXCELLENCE RFI     |
| Integrity      | INTEGRITY RFI      |
| Respect        | RESPECT RFI        |
| Responsibility | RESPONSIBILITY RFI |
| Transparency   | TRANSPARENCY RFI   |
| Accountability | ACCOUNTABILITY RFI |
| Ethicality     | ETHICALITY RFI     |
| Honesty        | HONESTY RFI        |
| Faithfulness   | FAITHFULNESS RFI   |
| Courage        | COURAGE RFI        |
| Patience       | PATIENCE RFI       |
| Humility       | HUMILITY RFI       |
| Grace          | GRACE RFI          |
| Kindness       | KINDNESS RFI       |
| Mercy          | MERCY RFI          |
| Compassion     | COMPASSION RFI     |
| Gentleness     | GENTLENESS RFI     |
| Mildness       | MILDNESS RFI       |
| Peace          | PEACE RFI          |
| Love           | LOVE RFI           |
| Joy            | JOY RFI            |
| Hope           | HOPES RFI          |
| Faith          | FAITH RFI          |
| Trust          | TRUST RFI          |
| Obedience      | OBEDIENCE RFI      |
| Submission     | SUBMISSION RFI     |
| Respectful     | RESPECTFUL RFI     |
| Courteous      | COURTEOUS RFI      |
| Polite         | POLITE RFI         |
| Decorous       | DECOROUS RFI       |
| Dignified      | DIGNIFIED RFI      |
| Honorable      | HONORABLE RFI      |
| Reverent       | REVERENT RFI       |
| Sacred         | SACRED RFI         |
| Holy           | HOLY RFI           |
| Righteous      | RIGHTEOUS RFI      |
| Just           | JUST RFI           |
| Equitable      | EQUITABLE RFI      |
| Fair           | FAIR RFI           |
| Harmonious     | HARMONIOUS RFI     |
| Balanced       | BALANCED RFI       |
| Equilibrium    | EQUILIBRIUM RFI    |
| Stable         | STABLE RFI         |
| Secure         | SECURE RFI         |
| Protected      | PROTECTED RFI      |
| Defended       | DEFENDED RFI       |
| Resistant      | RESISTANT RFI      |
| Enduring       | ENDURING RFI       |
| Persistent     | PERSISTENT RFI     |
| Determined     | DETERMINED RFI     |
| Resolute       | RESOLUTE RFI       |
| Courageous     | COURAGEOUS RFI     |
| Brave          | BRAVE RFI          |
| Valiant        | VALIANT RFI        |
| Heroic         | HEROIC RFI         |
| Gallant        | GALLANT RFI        |
| Valorous       | VALOROUS RFI       |

**PROJECT NAME:** Jabal Omar Development Project in Makkah

**CLIENT:** Jabal Omar Development Co.

**PROJECT MANAGER:** Hill International

**MAIN CONSULTANT:** ARCREA

**URBAN DESIGNERS:** ATELIER LIGN ASSOCIÉS, KINGEOP

**DESIGN DEVT. COORDINATOR:** ATELIER LIGN ASSOCIÉS

**SUPERVISION CONSULTANT:** ACC, Dr. Seull

**MAIN CONTRACTORS:** ACC, Dr. Seull

**SUB CONTRACTORS:** JETCOM INTERNATIONAL

**DRAWING TITLE:** FRONT DESK AND HOTEL LOBBY LEVEL 1006 PART -E FINISH FLOOR PLAN



partner success



Client



**RAFFLES HOTEL AND BRANDED RESIDENCE DIRIYAH GATE SOUTH Riyadh ,Saudi Arabia**

**Category:** BIM PROJECT LOD 400 , Arch ,Str ,MEP  
**Program:**

The architectural scope includes the following:  
General Arrangement Plans – Overall layout and planning.

Block Work Plans – Partition wall layouts and types.  
Flooring Finishes Plans – Floor material types and layouts.

Reflected Ceiling Plans (RCP) – Ceiling levels, materials, and lighting coordination.

Internal & External Elevations – Interior wall elevations and external .

Wet Area Package – Detailed design of toilets, showers, kitchens, etc.

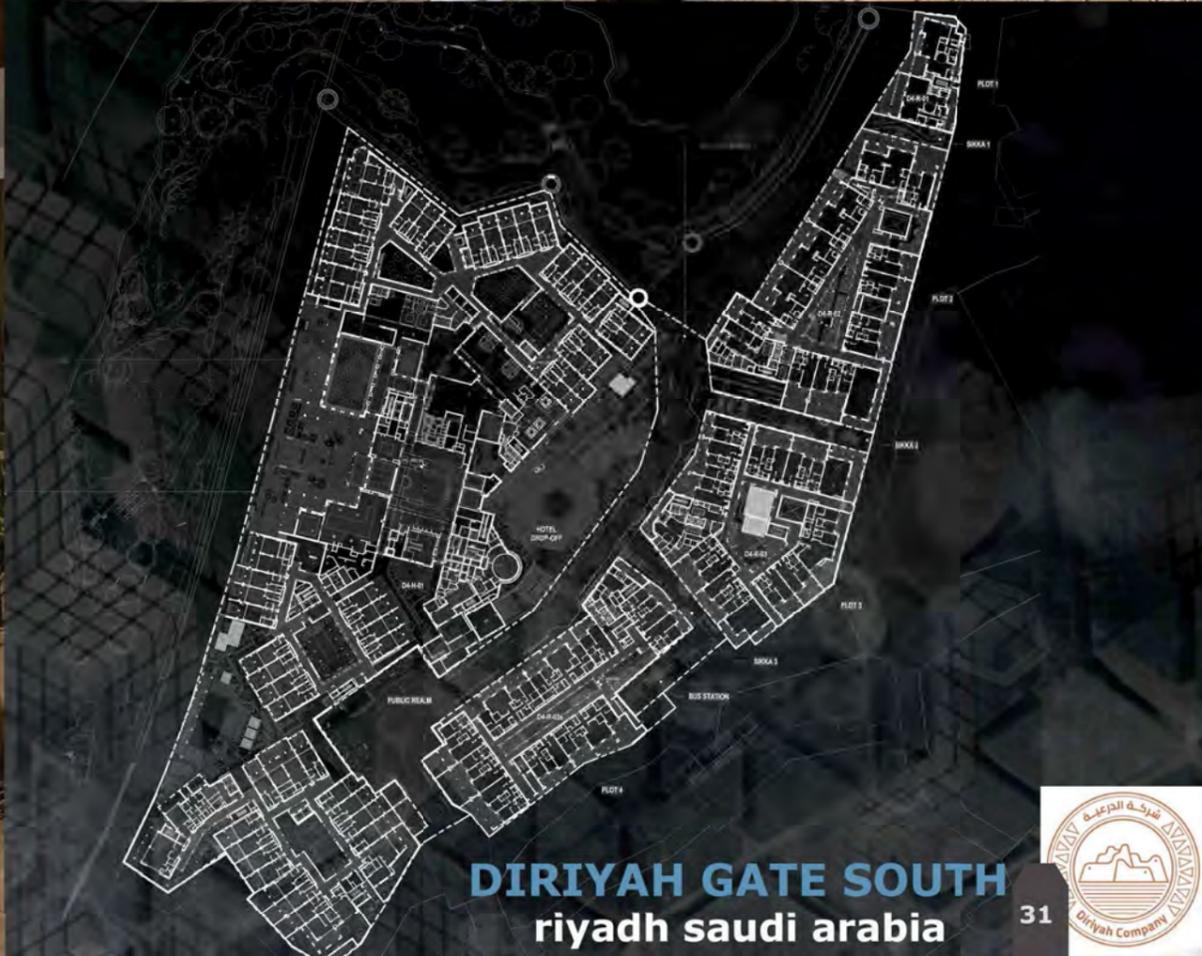
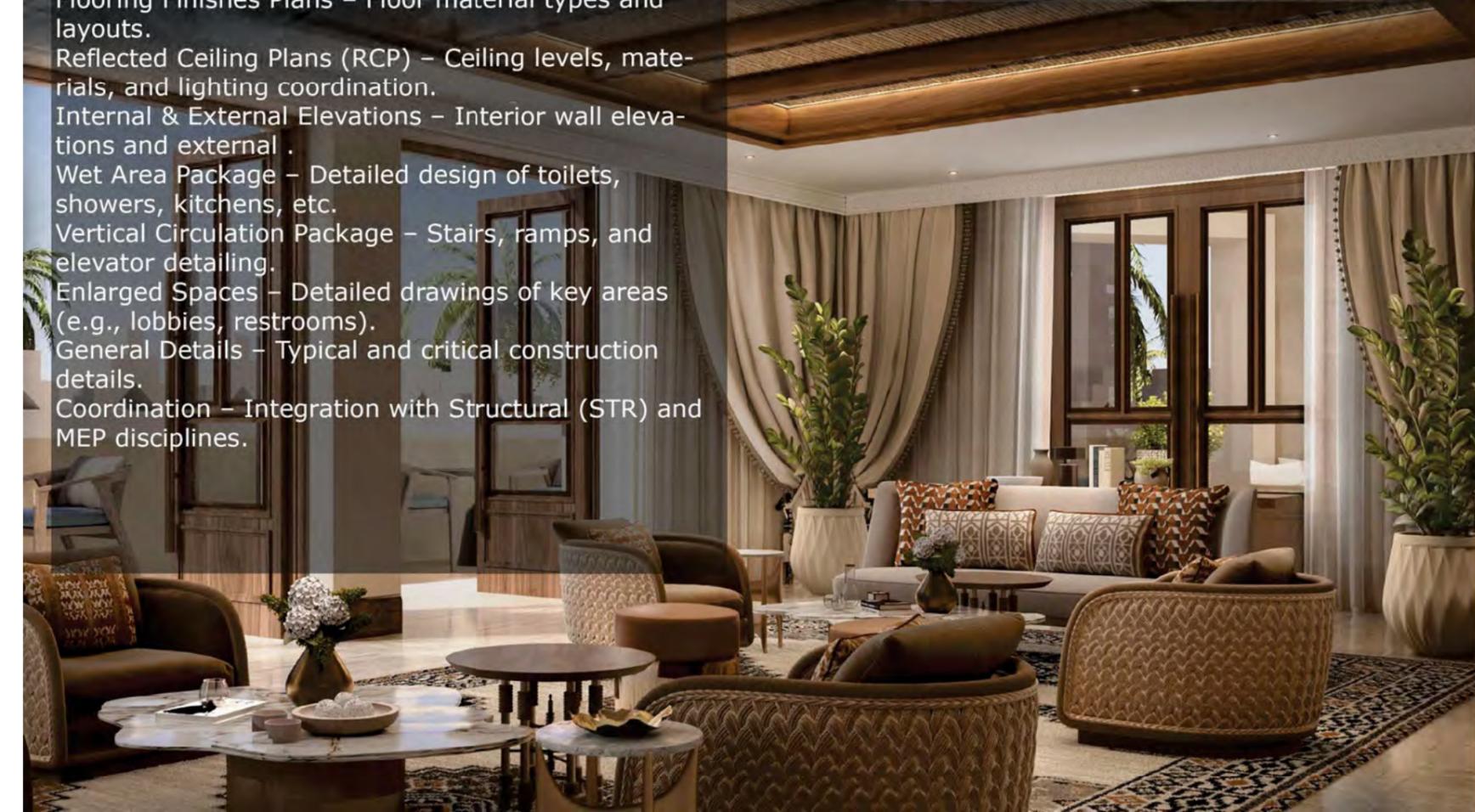
Vertical Circulation Package – Stairs, ramps, and elevator detailing.

Enlarged Spaces – Detailed drawings of key areas (e.g., lobbies, restrooms).

General Details – Typical and critical construction details.

Coordination – Integration with Structural (STR) and MEP disciplines.

|   |                  |          |
|---|------------------|----------|
|   |                  |          |
| GENERAL CONTRACTOR<br>RYADH 11571-4000<br>WWW.MOBCO.COM.SA      |                  |          |
| <b>mirage</b>   |                  |          |
|   |                  |          |
| PROJECT NAME<br>Branded Residence-Ground Floor-blockwork layout |                  |          |
| ISSUED TO APPROVE   | DATE             | SCALE    |
| Issued to Approve   | 09/04/2025       |          |
| COUNTRY   | CITY             | AREA     |
| S.A   | S.A              | S.A      |
| PROJECT NO.   | SCALE OF DRAWING | REVISION |
| DG-DSH-216-0415-MOB-AR-SDW-30-ZZZ-01120-00                      | As indicated     | 0        |
| PROJECT NUMBER<br>DG-DSH-216-0415-MOB-AR-SDW-30-ZZZ-01120-00    |                  |          |



Client:



SIX SENSES

KSA

Category: Design & Shopdrawing  
Architectural & Structural drawings.

Location: KSA.

Program: Landscape, Hardscape  
Design & Shopdrawing

Architectural Shop Drawing ( Plans - Wall sections  
- Elevations - Details )

Structural Shop Drawing ( Plans - Wall sections -  
Elevations - Details )

وزارة الشؤون البلدية والقروية  
Ministry of Municipal & Rural Affairs

أمانة منطقة نوك  
Municipality of Nook

AMAAALA  
AMAAALA Project Planning, Support and Coordination Office (PPSCO)

CONSULTANT  
الاستشارية الهندسية  
Ruhoff & Partners Ltd  
Schulthess A. M. Engineer  
CONSULTANT

Land Consultant  
UAE

CONSOLIDATED CONSULTANTS  
Engineering & Environment

CONSTRUCTION DOCUMENTS

APPROVAL NOTES  
1. Do not modify drawings. Check dimensions given.  
2. All dimensions are in millimeters unless noted otherwise.  
3. All levels are in meters above mean sea level.  
4. All dimensions shall be verified on site before proceeding with the work.  
5. UHA Company shall be notified in writing of any discrepancies.  
6. Any levels indicated on the sheets are approximate and indicate only.

AMAAALA SIX SENSES  
RQA

Building Name: ALL ZONES

Building Number: 03

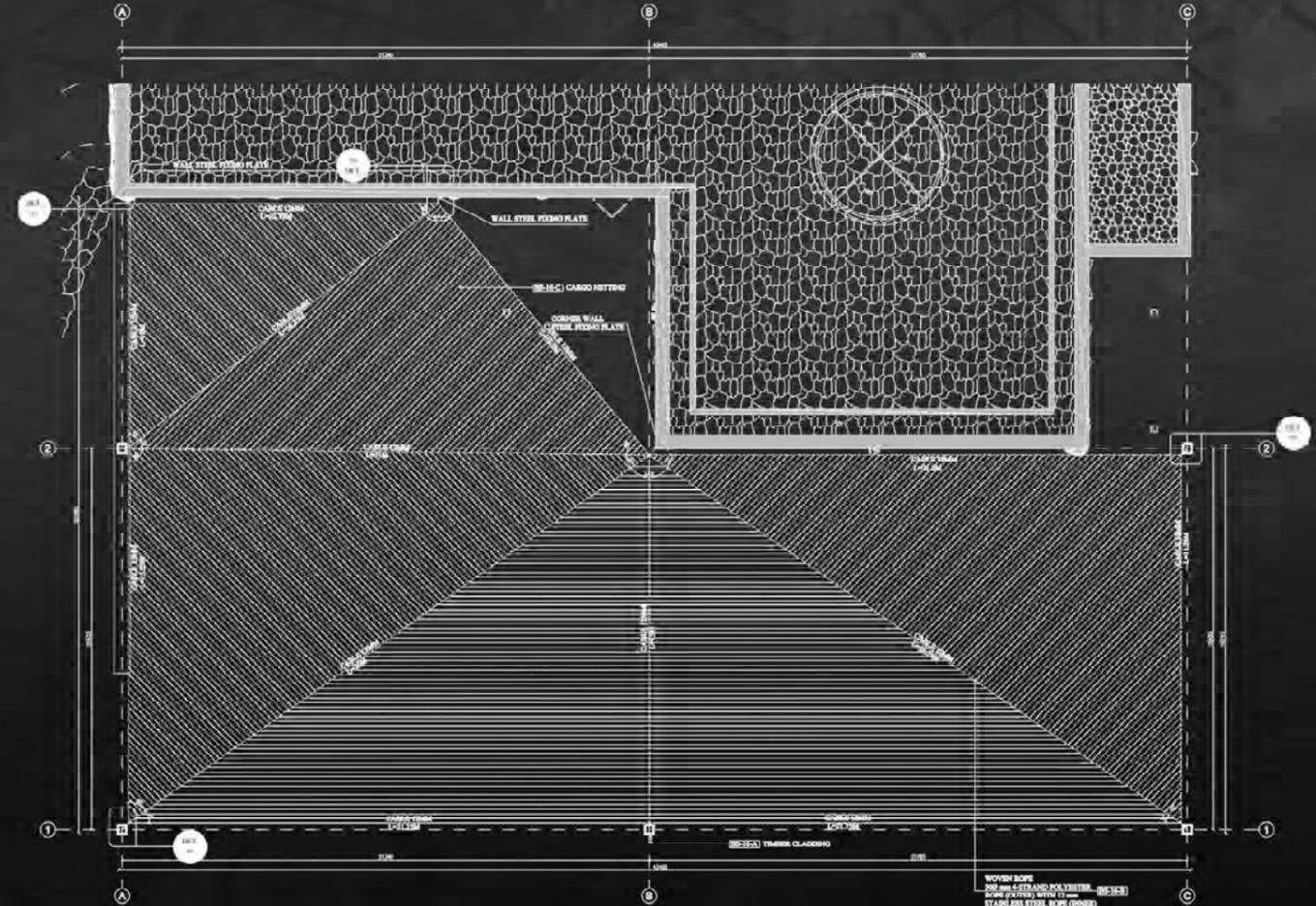
Plot Number: TD-06-2 TD-07

Wooden Work Contractor: SAUDI LEBANON

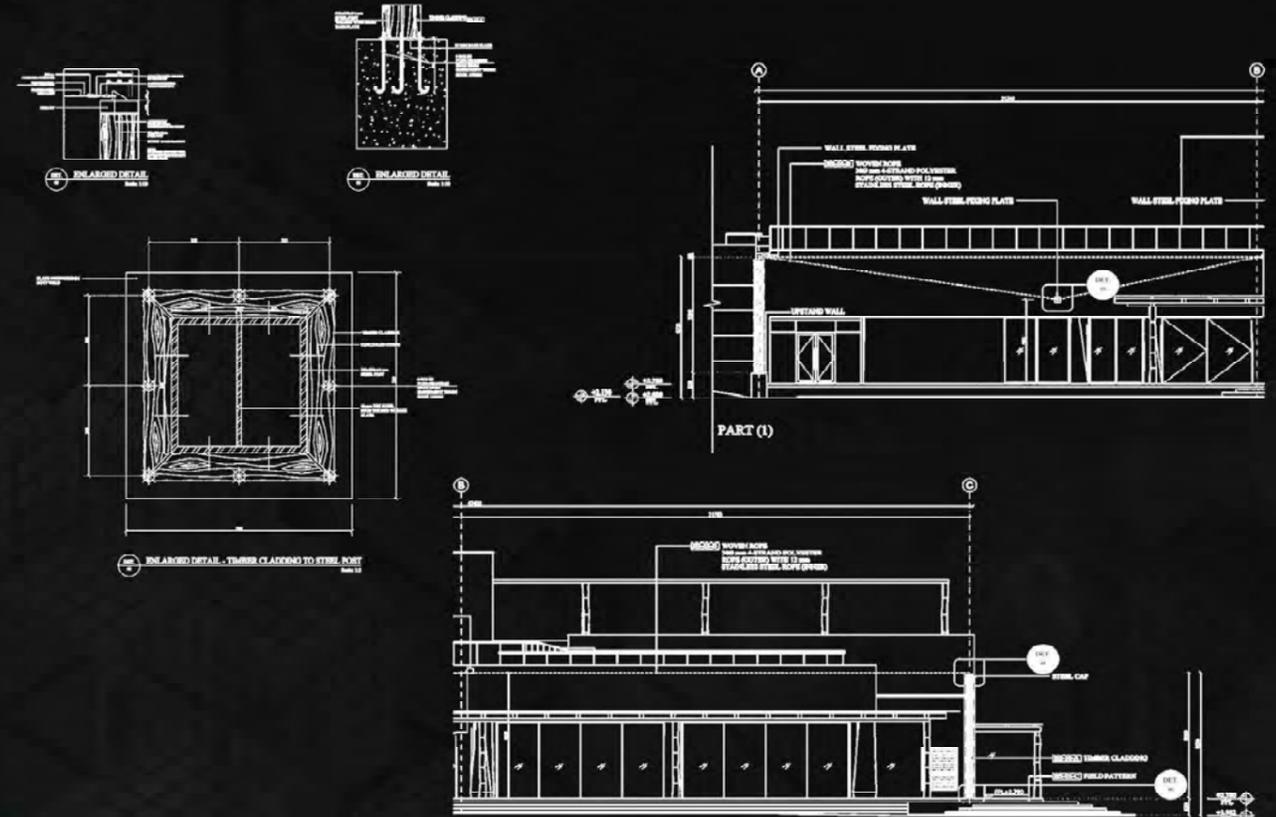
Drawing Title: ALL DAY DINING - SHADE STRUCTURE  
SHOP DRAWINGS DETAILS  
SHEET 02 OF 06

Model File Reference: TD02017-01700-1800-00-22-0000-1.0-0015

|   |                 |                   |
|---|-----------------|-------------------|
| Drawn By: REY   | Checked By: REN | Approved By: H.J. |
| Author  | Checker         | Approver          |
| Project No.   | Issue Date      | Scale             |
| TD02017   | 28-02-2024      | As Indicated      |
| Drawing Number: TD02017-01700-1800-00-22-0000-1.0-75001 | Revision: 01    |                   |



VOL 00 - PLOTS TB06 & TB07  
ALL DAY DINING SHADE STRUCTURE BS-16 - ROOF PLAN  
Scale: 1:100



VOL 00 - PLOTS TB06 & TB07  
ALL DAY DINING SHADE STRUCTURE BS-16 - SECTIONAL ELEVATION  
Scale: 1:50

PART (2)



# INDUSTRIAL PROJECTS



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

 [instagram social media](#)

 [facebook social media](#)

Tel. / Fax: 002 02 25658414

Address: Gardenia Mall, 5<sup>th</sup> Settlement, New Cairo, Egypt

[info@edgescons.com](mailto:info@edgescons.com)



Partner in success



## Allam Wood Division Factory

Cairo, Egypt

The project consists of 1 existing building and got divided through our design into 2 parts. (administrative and industrial) consisting of 4 stories, each storey's area is about 2,500 m<sup>2</sup> located in 6th October city.

**Category:** Architectural, Structural and MEP full design.

**Location:** Cairo, Egypt.

**Program:**

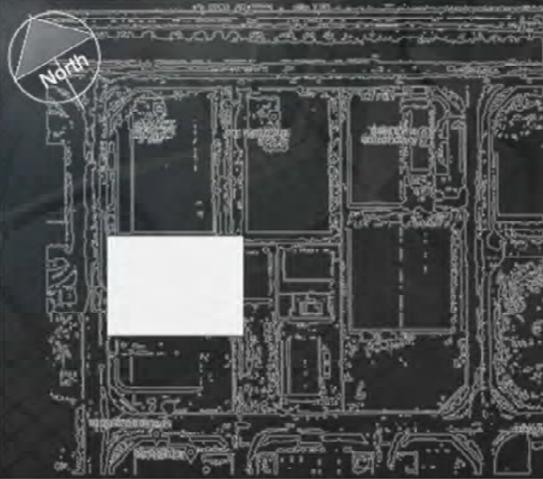
**Architectural :** Creating moodboards and full designing.

**Structural:** Full design.

**MEP:** Full design all of it's elements

**Total Area:** 4,000 m<sup>2</sup>

### KEY PLAN



| No.  | Date       | Description      |
|------|------------|------------------|
| REV. | 27/04/2022 | FIRST SUBMISSION |

OWNER:



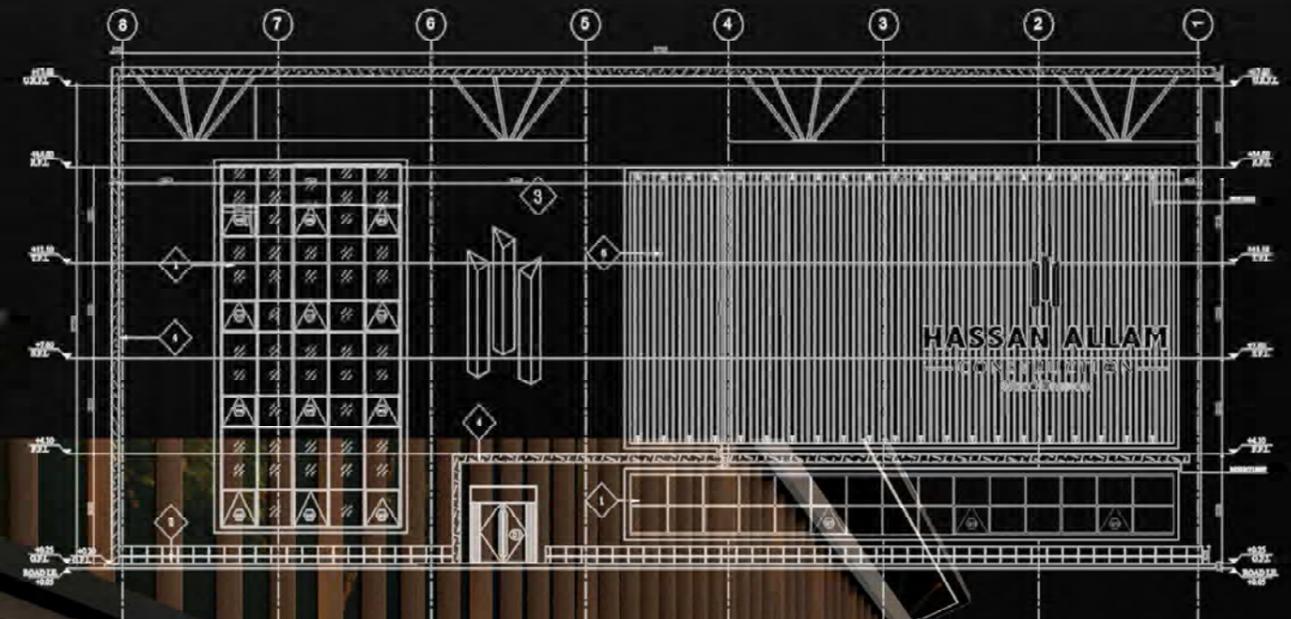
PROJECT:

Allam Wood Division Factory

CONSULTANT :

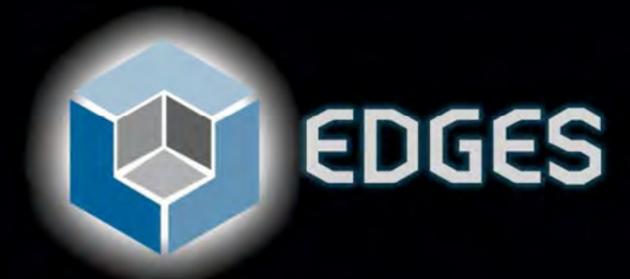


PROJECT CONTRACTOR :

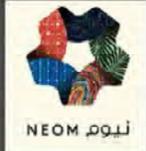




# PUBLIC SERVICE PROJECTS



**Partner in success**

**Client :**

**NC1  
OPERATIONS HUB  
- GOLF FACILITY**
**Neom, Saudi Arabia**

The project consists of 3 buildings with approximate land area 44,000 m<sup>2</sup>. The project site is located in the northern part of the NC1 Community expansion. The project site will house approximately 74 golf carts.

**Category:** Architectural, structural and MEP design

**Location:** Riyadh, Saudi Arabia

**Program:**

Architectural: Full design including drawings and BOQ

Structural: Full design (system, beams, slabs,...) including drawings and BOQ

MEP: Full design including drawings and BOQ

Total Area: 44,000 m<sup>2</sup>

NORTH DIRECTION :



|          |            |                     |               |                 |               |
|----------|------------|---------------------|---------------|-----------------|---------------|
| ARCH/01  | 10/06/2022 | Schematic Design    | REEM<br>CZZAT | MARCO<br>GIRGIS | AHMED<br>ALAA |
| REVISION | DATE       | REVISION OF DETAILS | DRAW.         | HASC            | APPR.         |

MAIN CONTRACTOR



PROJECT **NEOM COMMUNITY-1  
GOLF CART FACILITY**

CLIENT



**NEOM**

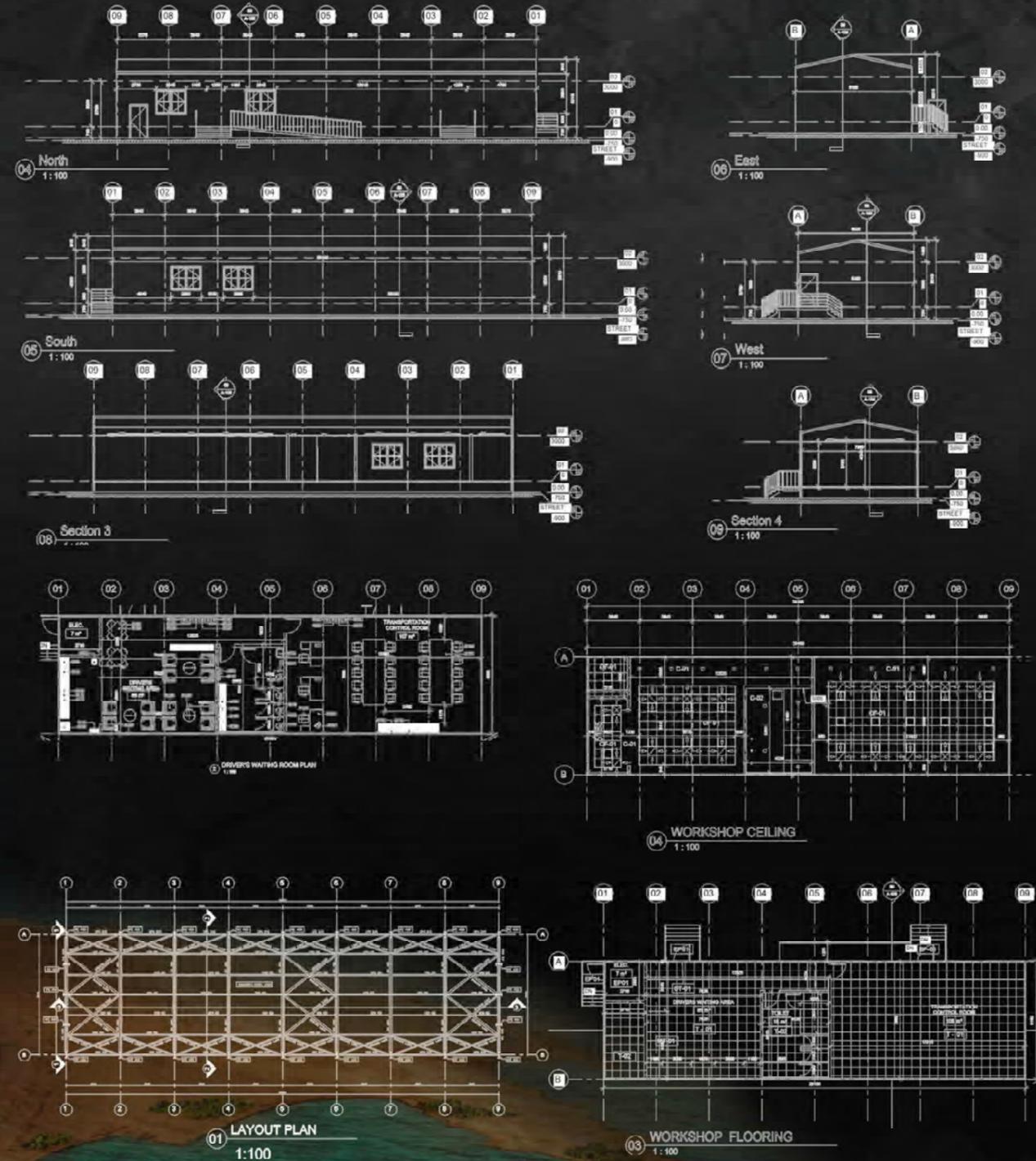
LOCATION **KINGDOM OF SAUDI ARABIA**

|               |                           |       |        |
|---------------|---------------------------|-------|--------|
| DRAWING TITLE | ARCHITECTURE DRAWINGS     | SCALE | 1 : 50 |
| DESIGN STAGE  | SCHEMATIC DESIGN DRAWINGS | REV.  | 00     |

CONSULTANT



**EDGES**  
Consulting & Engineering services



Partner in success



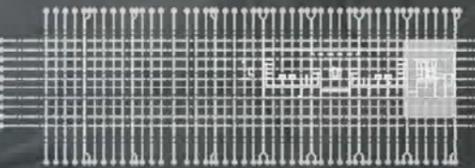
Client:



Transportation hub  
&  
Walkways  
New Capital, Egypt

The mall consists of 7 zones and each zone consists of 5 parts.  
The walkways consists of 6 parts with approximate and 4 stories.  
**Category:** Architectural, structural and MEP design development.  
**Location:** New Capital, Egypt.  
**Program:**  
Architectural: Design modification, design development and shop drawings.  
Structural: Shop drawings reinforcement, concrete dimensions and Revit modelling .  
MEP: Design modification, design development and shop drawings.  
Total Area of walkways: 13,500 m<sup>2</sup>  
Total Area of Mall: 85,000 m<sup>2</sup>

**KEYPLAN:**



**OWNER:**



**PROJECT:**



**CONSULTANT:**

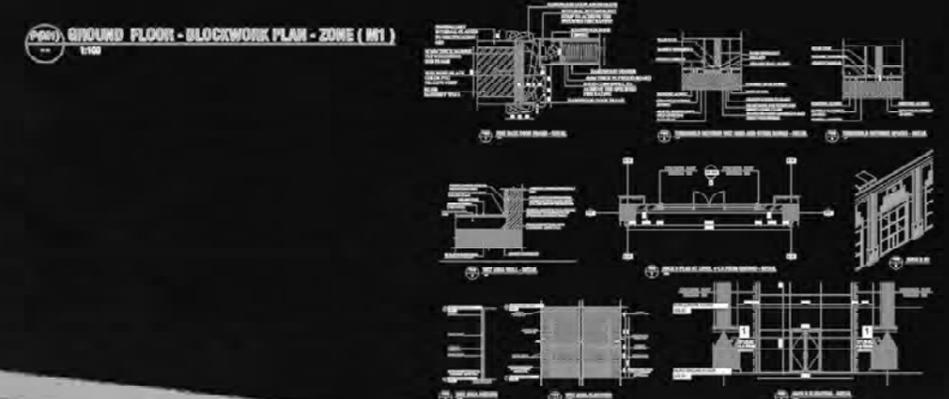
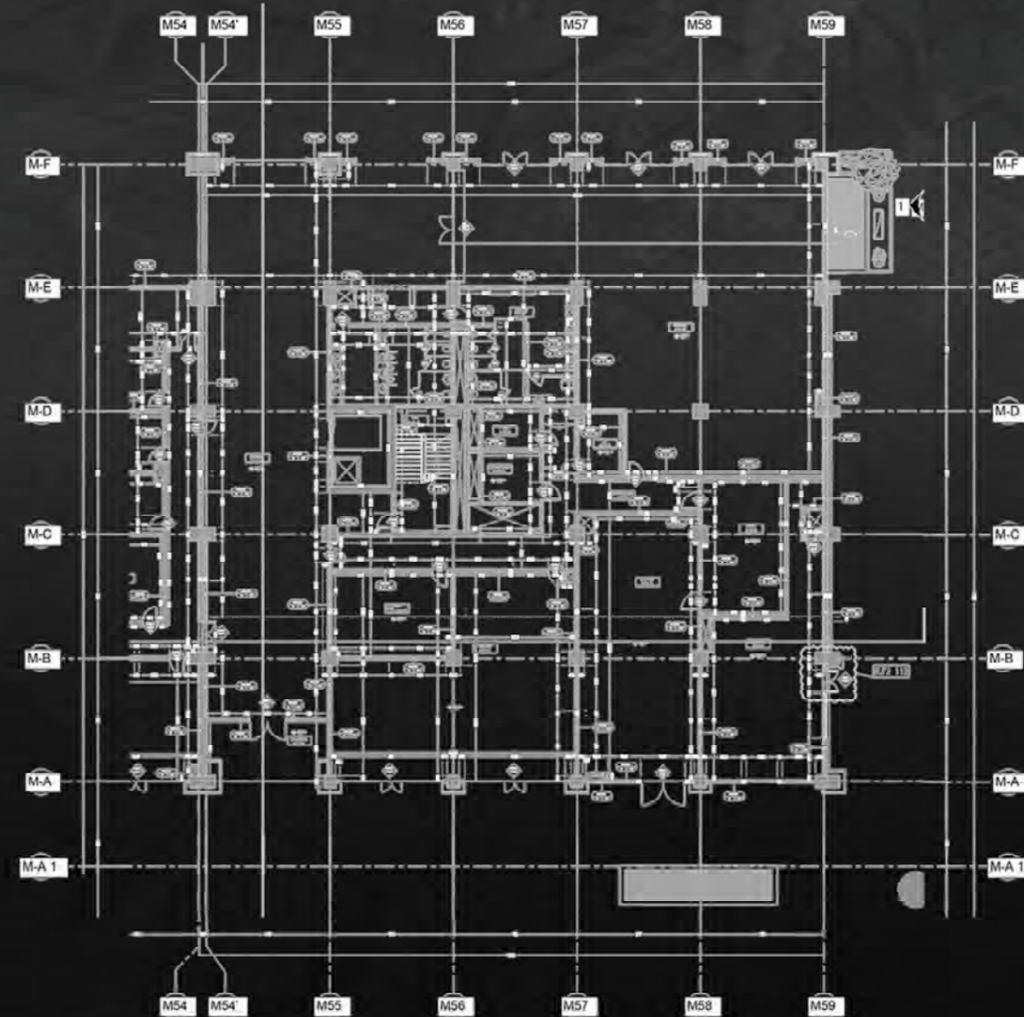
**ARCHPLAN** ARCHITECTS & PLANNERS  
المكتب الهندسي للعمارة والتخطيط  
أ.د. / محمد إيهاب عثمان

**DESIGNER:**

**ARCHPLAN** ARCHITECTS & PLANNERS

**CONTRACTOR:**

**HASSAN ALLAM** CONSTRUCTION





Partner in success



# Sphinx International Airport Cairo, Egypt

This project consists of 8 buildings that have different functions with approximate land area 32,000 m2.

**Category:** Architectural design development  
**Location:** Cairo-Alexandria road, Egypt.  
**Program:** Design development  
**Total Area:** 32,000 m2

PROJECT TITLE:  
**Sphinx International Airport**

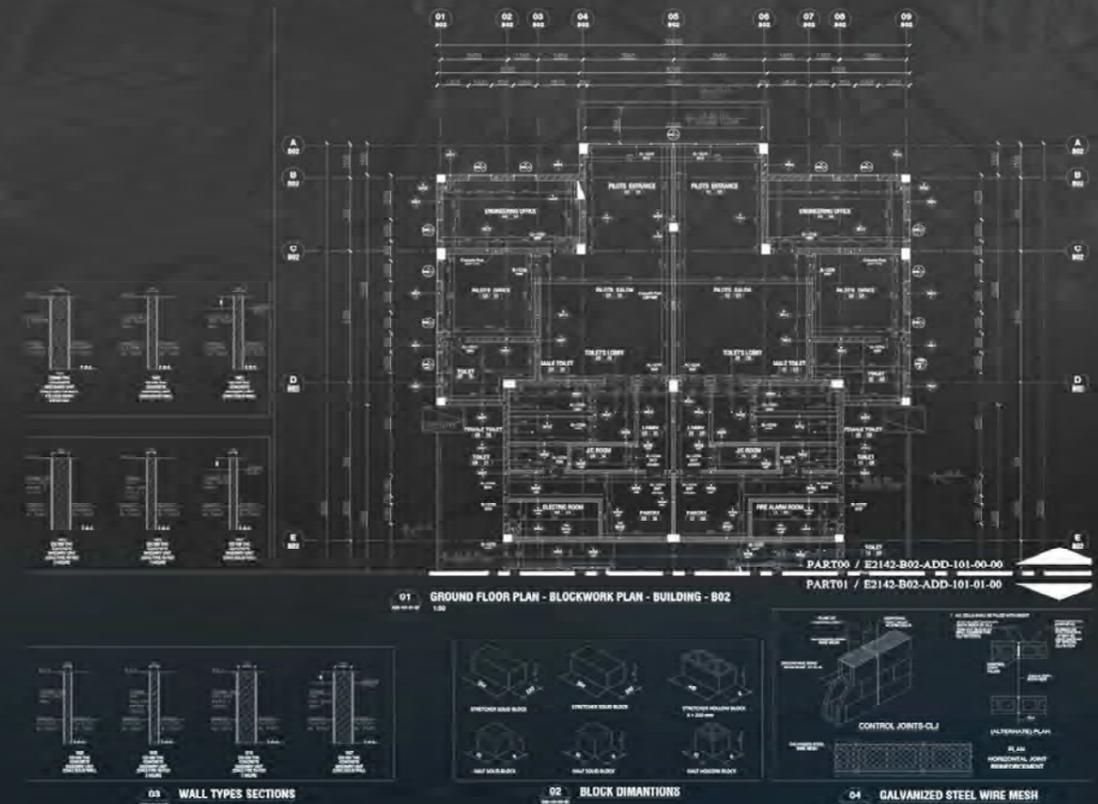
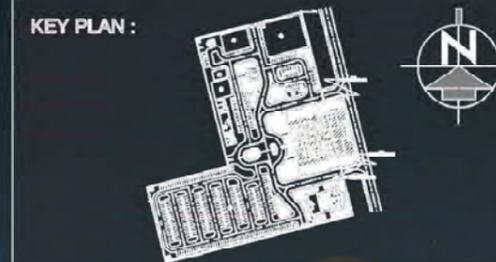
CLIENT :  
**EGYPTION CIVIL AVIATION  
AUTHORITY**

ARCH. CONSULTANT:  
808 EL MOLTAKA EL ARABY  
DISTRICT, MASARAEN  
SHERATION,  
HELIOPOLIS,CAIRO, EGYPT,  
TEL:(202) 22897760 | 29944310  
FAX:(202)22897702 P-CODE:11361  
  
DESIGNERS, ENGINEERS & CONSULTANTS

ST. & ELE.- MECH.  
CONSULTANT:  
808 EL MOLTAKA EL ARABY  
DISTRICT, MASARAEN SHERATION,  
HELIOPOLIS,CAIRO, EGYPT,  
TEL:(202) 22897760 | 29944310  
FAX:(202)22897702 P-CODE:11361  
  
Engineers & Consultants

MAIN CONTRACTOR:

**GENERAL NOTES**  
- FOR GENERAL NOTES, LEGEND, SYMBOLS, AND ABBREVIATIONS, REFER TO SHEET NO. ADD-003  
- U.O.M. ALL DETAILS SHOWN ARE FOR DESIGN  
- INTENT ONLY CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR APPROVAL.  
- DO NOT SCALE FROM DRAWINGS, DIMENSIONS GIVEN SHALL GOVERN.  
- FOR MISCELLANEOUS DETAILS REFER TO .000-ADD-004-008



Partner in success

**ECG** **جماعة المهندسين الاستشاريين**  
ENGINEERING CONSULTANTS GROUP S.A.

Client



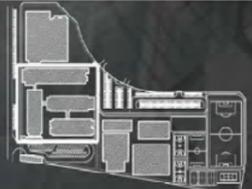
**BRITISH BRIGHT SCHOOL  
DUBAI**

Category: BIM PROJECT LOD 300 ,  
Schematic drawing  
Landscape, Interior Design, 3D Shots

Location: DUBAI

Program:  
**Architectural** : Scymetic design,  
Landscape design, Interior 3D Shots  
Moodboards & Presentations.

**KEY PLAN**



**GENERAL NOTES**

1. ALL WORKS ARE TO BE CARRIED OUT IN ACCORDANCE WITH THE RELEVANT CODES OF PRACTICE AND ALSO TO MEET THE LOCAL AUTHORITY REQUIREMENTS.
2. DIMENSIONS ARE NOT TO BE SCALED FROM THIS DRAWING.
3. DIMENSIONS ARE IN METERS, UNLESS NOTED OTHERWISE.
4. THE CONTRACTOR IS TO VERIFY ALL DIMENSION ON SITE BEFORE EXECUTING THE SITE.
5. ANY DISCREPANCIES, EITHER BETWEEN WRITTEN DIMENSIONS AND SITE DIMENSIONS OR BETWEEN THIS DRAWING AND OTHER CONSULTANTS' OR SUPPLIER'S DRAWINGS SHOULD BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT BEFORE EXECUTING THE WORKS.
6. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE RELEVANT STRUCTURAL, MECHANICAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS.

**CLIENT:** **DUBAI SOUTH**

**CONSULTANT:** **ECG** **جماعة المهندسين الاستشاريين**  
ENGINEERING CONSULTANTS GROUP S.A.

**CLIENT'S LOGO:** **CHICAGO**

**PROJECT:** **BRIGHT BRITISH SCHOOL (PHASE 1)**

**LOCATION:** **DUBAI SOUTH**

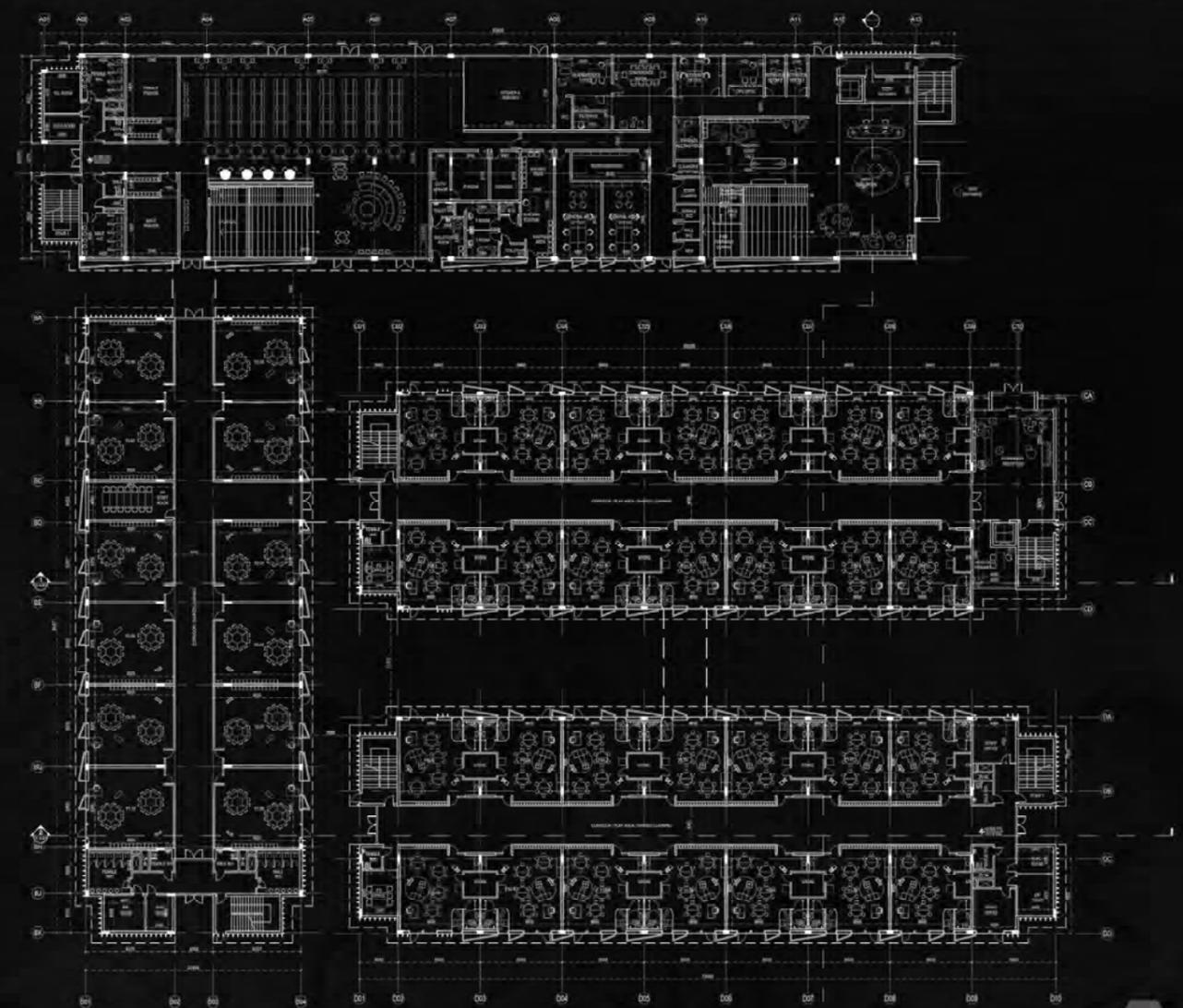
**PROJECT NO. / DRAWING NO.:** 1000000000 / 0000000000

**DRAWING TITLE:** **IN PRIMARY AVOIDANCE A ROOM BLOCK EXCLUDED FROM PLANS**

| DATE       | ISSUES | PREPARED | APPROVED |
|------------|--------|----------|----------|
| 2023-01-01 |        |          |          |

**PROJECT NO. / SCALE:** 1000000000 / 1:1000

**DRAWING NO. / REV.:** 0000000000 / 0



Partner in success



Owner:



**Greater Cairo Metro Line 4**  
New Capital, Egypt

**Category:** Architectural Shop drawing design  
**Location:** New Cairo, Egypt.  
**Program:** Architectural Shop Drawing  
(Block works - Wall sections - Fire plans)

OWNER:  
NATIONAL AUTHORITY FOR TUNNELS  
Japan International Cooperation Agency

ENGINEERING CONSULTANTS CONSULTING (NOCE)

NIPPON KOEI

CONTRACTOR:

HASSAN ALLAM CONSTRUCTION

CONTRACTOR CONSULTANT:

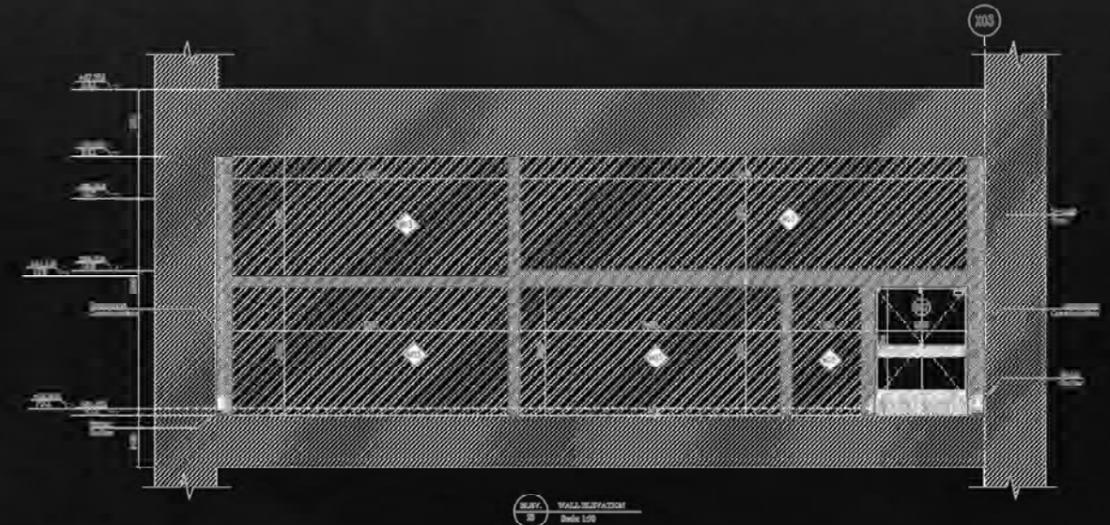
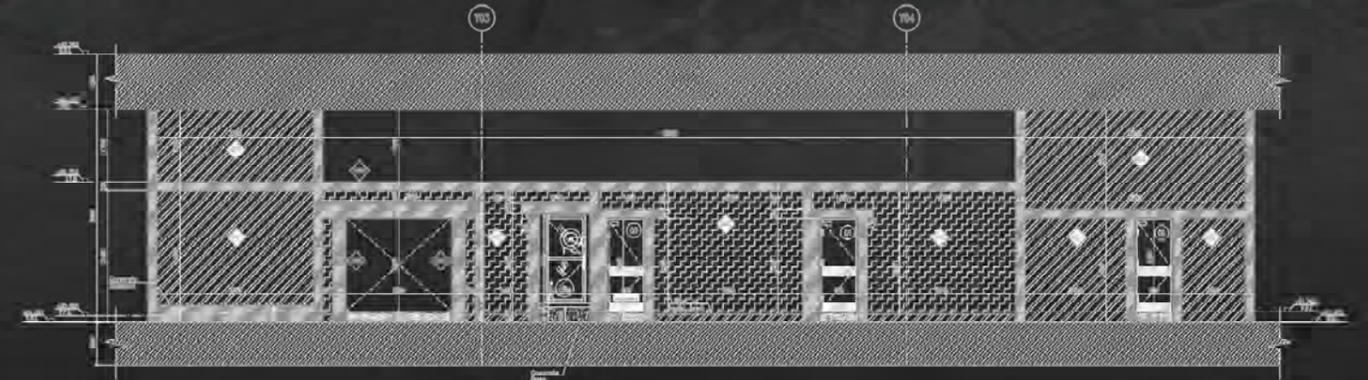
GREATER CAIRO METRO LINE 4 (BASSI) - NEW STATION

SCALE: 1/50

TYPE: WALL ELEVATIONS (BLOCK WORKS)

DATE: 2023-09-01

| REV. | DATE       | DESCRIPTION       | PREPARED BY | CHECKED BY | APPROVED BY |
|------|------------|-------------------|-------------|------------|-------------|
| A    | 23/09/2023 | ISSUED FOR REVIEW |             |            |             |



Concrete Slab Level  
Key Plan





Partner in success



Client:



# HIGH SPEED RAIL STATION AL-ALAMAIN, Egypt

**Category:** Architectural Shop drawing design ..  
**Location:** AL-ALAMAIN, Egypt.  
**Program:** Architectural Shop Drawing ( Plans - Wall sections - Elevations )

**PROJECT NAME**  
HIGH SPEED RAIL STATION

**CLIENT**  
 Ministry of Transportation  
 وزارة النقل  
 National Authority for Tunnels  
 الهيئة القومية للإنفاق

**GENERAL CONSULTANT**  
 SYSTRA SHAKER

**DESIGN CONSULTANT**  
 ECG  
 ENGINEERING CONSULTANTS GROUP S.A.

**MAIN CONTRACTOR**  
 HASSAN ALLAM CONSTRUCTION

**SUB CONTRACTOR**  
 EDGES

**LEGEND**

| WALL NAME | WALL TYPE | FINISH RATE       | WALL FINISH RATE  |
|-----------|-----------|-------------------|-------------------|
| W 01      | STONE     | 1 HOUR FIRE RATED | 1 HOUR FIRE RATED |
| W 02      | STONE     | 1 HOUR FIRE RATED | 1 HOUR FIRE RATED |
| W 03      | STONE     | 1 HOUR FIRE RATED | 1 HOUR FIRE RATED |
| W 04      | STONE     | 1 HOUR FIRE RATED | 1 HOUR FIRE RATED |
| W 05      | STONE     | 1 HOUR FIRE RATED | 1 HOUR FIRE RATED |

**NOTES**

- ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SPECIFIED.
- ALL DIMENSIONS IN WALL SECTIONS AND ELEVATIONS TO BE FROM THE FACE OF THE STRUCTURE.
- ALL DIMENSIONS IN GENERAL PLANS SHALL BE FROM CENTER LINE UNLESS OTHERWISE SPECIFIED.
- FOR ALL DIMENSIONS, LEVELS, GRADES, FINISHES, DIMENSIONS, ETC., REFER TO THE ARCHITECT'S DRAWINGS AND SPECIFICATIONS.
- FOR EXACT LOCATION AND SIZE OF IMP. OPENINGS, REFER TO ALL LABELS HEREIN AND TAGS FROM P.F.L.

**Ground Floor KEY-PLAN**

**REVISION**

| NO. | DATE | DESCRIPTION | BY |
|-----|------|-------------|----|
|     |      |             |    |

**SCALE** 1:50 **DRAWING SIZE** A1

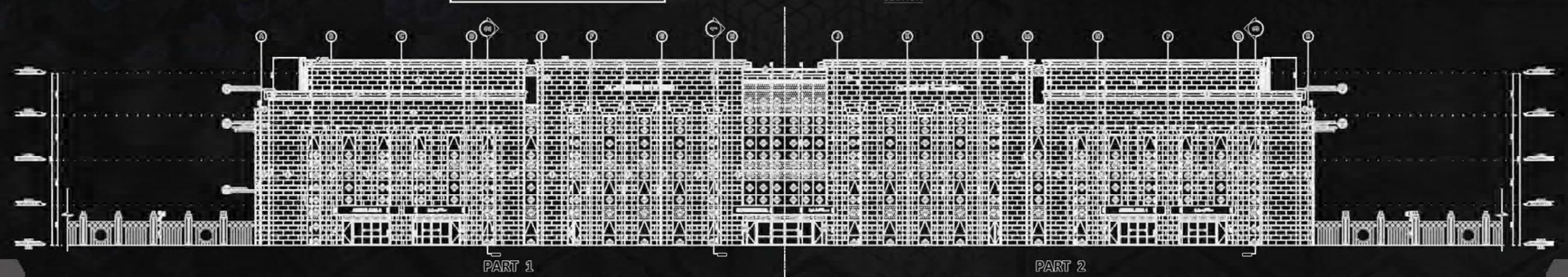
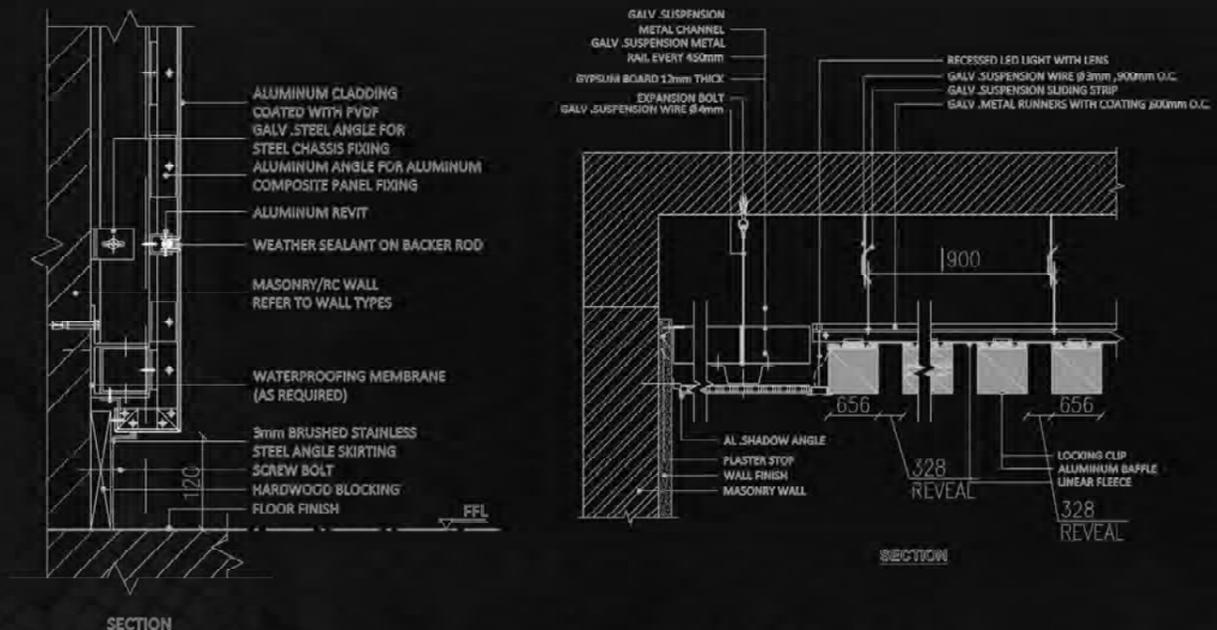
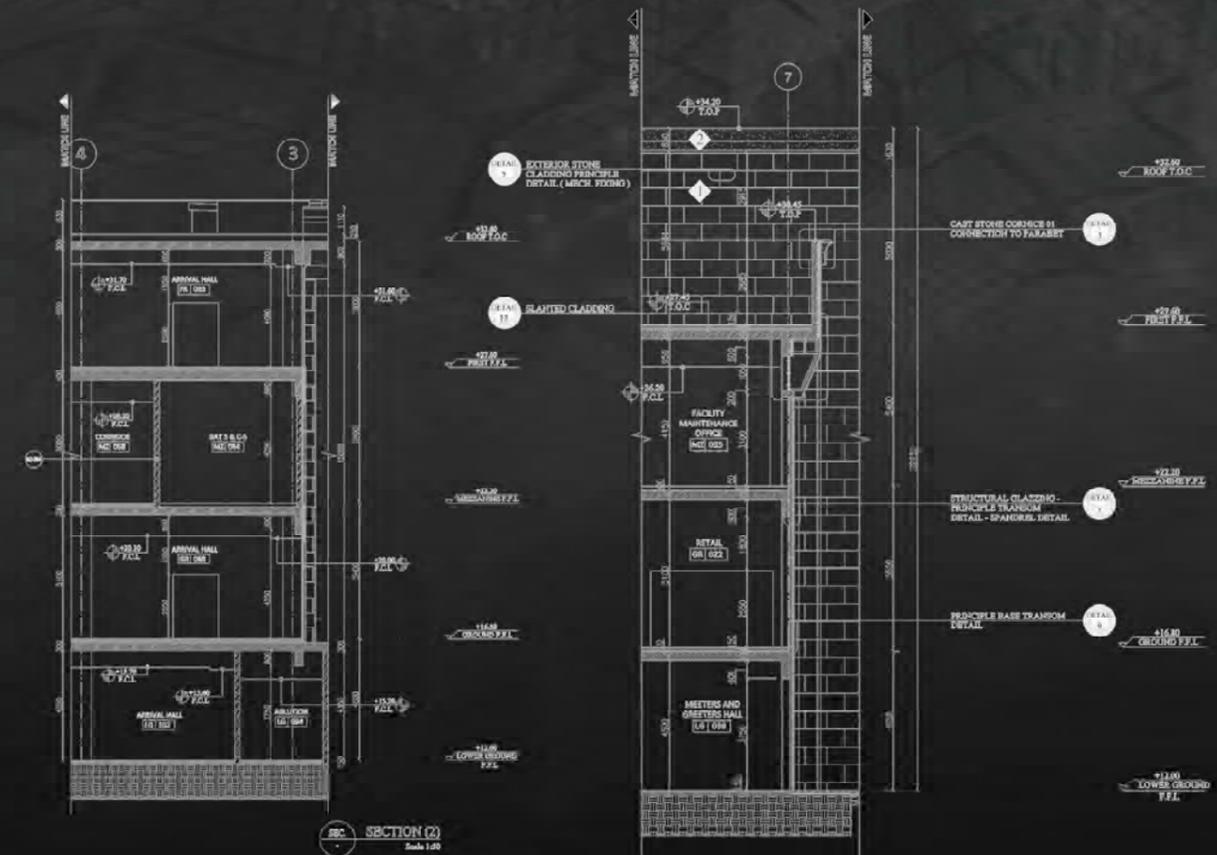
**DRAWN BY** HASSAN BASAM **SIGNATURE**

**CHECKED BY** YARA NAVAR **SIGNATURE**

**APPROVED BY** ALI HUSSEIN **SIGNATURE**

**DRAWING TITLE**  
GENERAL PLAN FOR BLOCK WORK FOR FIRST FLOOR OVERALL PLAN FLOOR LEVEL = +27.6

**DRAWING #** MAC-ALS-80-ARCH-01-011 **REV** 01



Partner in success  ARCHISITE  
الكامن لمواقع البناء

Client  أمانة منطقة الرياض  
RIYADH REGION MUNICIPALITY

**RIYADH REGION MUNICIPALITY**  
RIYADH , KSA

Category: ARCHITECTURAL AND INTERIOR DESIGN

Location: RIYADH, KSA.

Program:

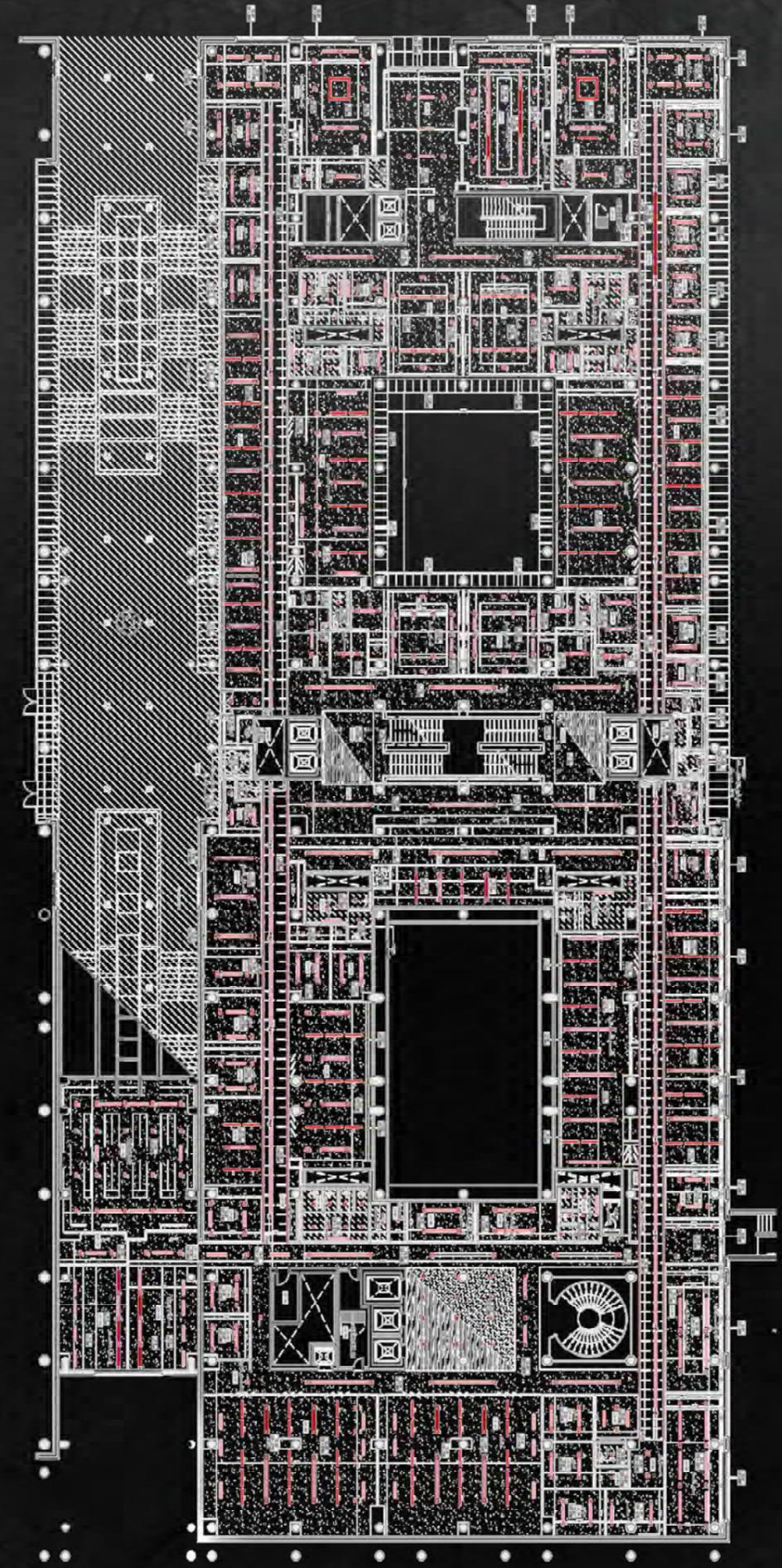
- GROUND FLOOR:  
(partition plan-furniture plan-ceiling plan-floor plan-dimension plan)
- FIRST FLOOR:  
(partition plan-furniture plan-ceiling plan-floor plan-dimension plan)
- SECOND FLOOR:  
(partition plan-furniture plan-ceiling plan-floor plan-dimension plan)
- THIRD FLOOR:  
(partition plan-furniture plan-ceiling plan-floor plan-dimension plan)
- FOURTH FLOOR:  
(partition plan-furniture plan-ceiling plan-floor plan-dimension plan)
- FIFTH FLOOR:  
(partition plan-furniture plan-ceiling plan-floor plan-dimension plan)



AMANA MATRAH RIYADH  
RIYADH REGION MUNICIPALITY

DESIGN DRAWING

3D MODEL







# UTILITIES PROJECTS



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

 [instagram social media](#)

 [facebook social media](#)

Tel. / Fax: 002 02 25658414

Address: Gardenia Mall, 5<sup>th</sup> Settlement, New Cairo, Egypt

[info@edgescons.com](mailto:info@edgescons.com)

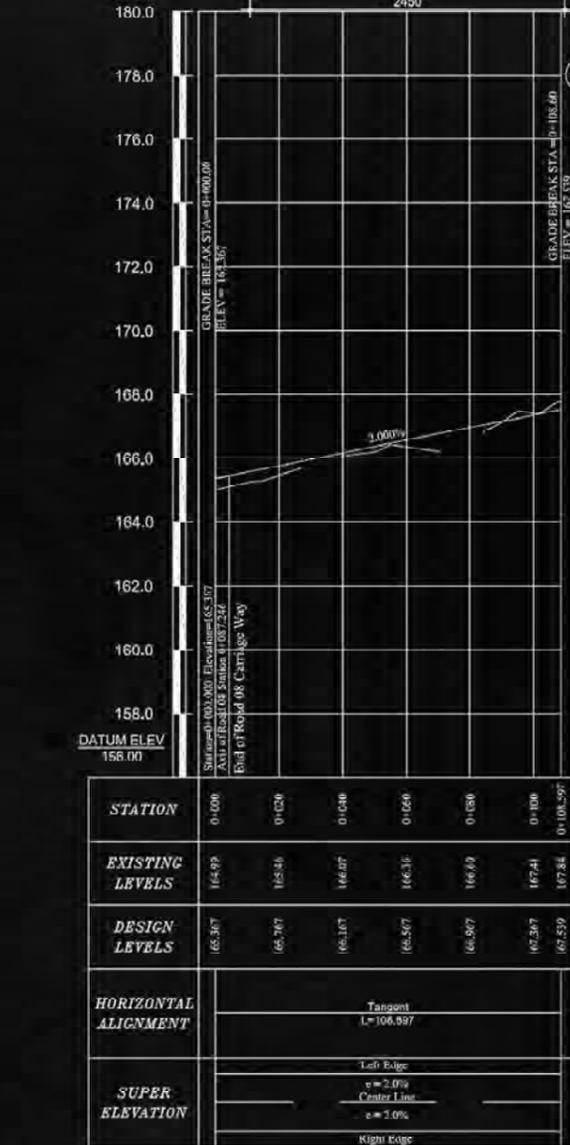
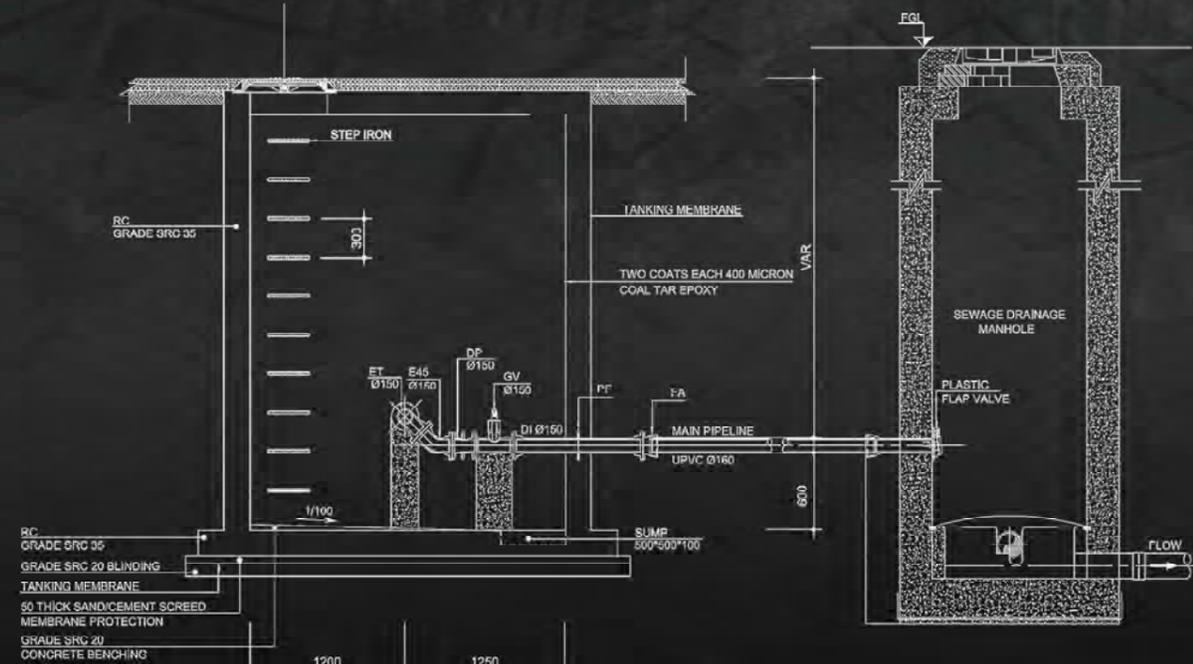
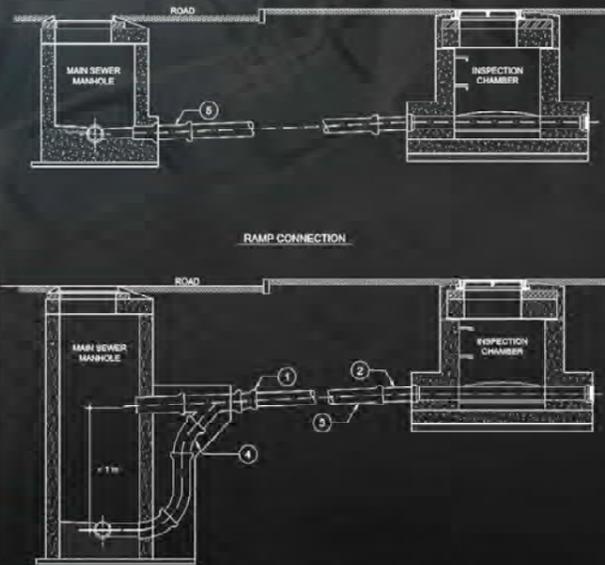
Client:



The Egyptian Ministry of Housing

**Loloah  
October Housing**  
6 of October City, Egypt

**Category:** Urban, Roads and External MEP Design  
**Location:** 6th of October, Egypt.  
**Total Area:** 200.000 Feddan



المخطط العام



SECTION 9-9

|                     |   |        |
|---------------------|---|--------|
| مستندات طرح التوسعة | المسلسل رقم 1/1250  | 1      |
| اسم المشروع         | اعمال شبكات المرافق لمشروع لؤلؤة أكتوبر للسكان المتوازي بمسطح 1,9,23 فدان بمدينة السادس من أكتوبر | مستعمل |

الاستشاري العام: الدكتور هيثم محمد عبد اللطيف  
 سجل هندسي: 8 / 888  
 رقم القيد: 11 / 286

استشاري المرافق: **EDGES** Contracting & Engineering services

اسم اللوحة: **المخطط العام لشبكة الطرق**

|                                 |                          |
|---------------------------------|--------------------------|
| مقياس الرسم: 1/1250             | مدير التصميم: محمد السيد |
| التاريخ: أغسطس 2011             | مدير المشروع: محمد الشال |
| رقم المشروع: رقم اللوحة (RD-01) | المسلسل العام            |

الموقع: المدينة الصناعية لحماويحيات الميناء والاسكندرية

|                    |                               |                                 |                             |
|--------------------|-------------------------------|---------------------------------|-----------------------------|
| مهندس: محمد النجار | مدير عام المشروعات: محمد عامر | رئيس قطاع المشروعات: محمد السيد | استشاري المرافق: محمد السيد |
|--------------------|-------------------------------|---------------------------------|-----------------------------|

Profile of Road 09

**Partner in success**



Kharafi National, Egypt

**Switching Station 1  
(Electrical Station)**  
Cairo, Egypt

**Client:**

**El-Mostakbal for Urban Development**

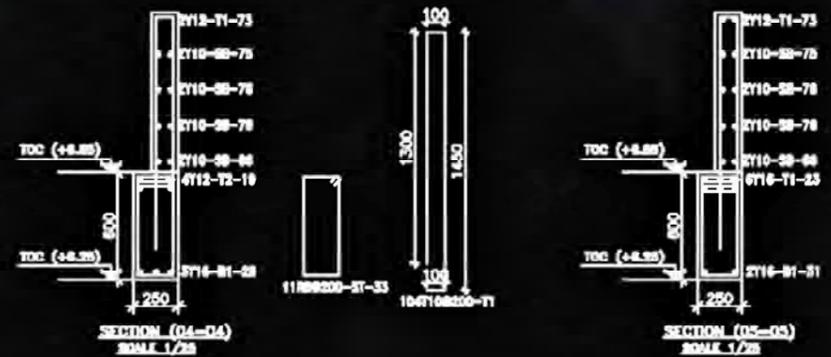
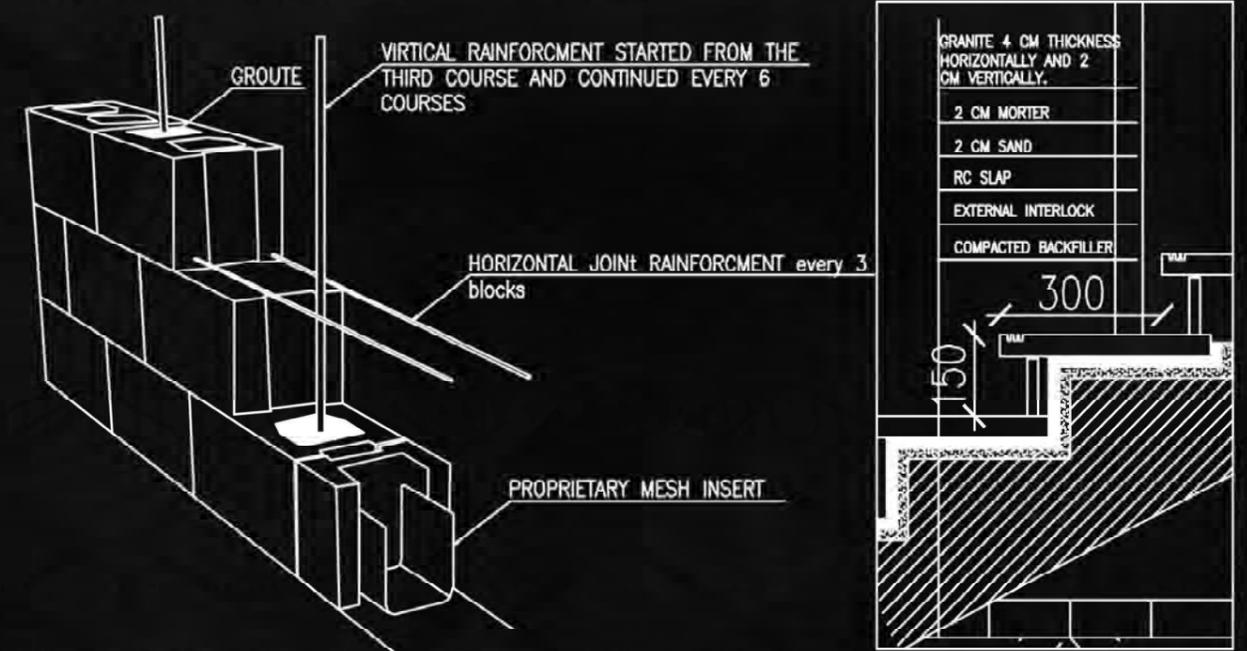
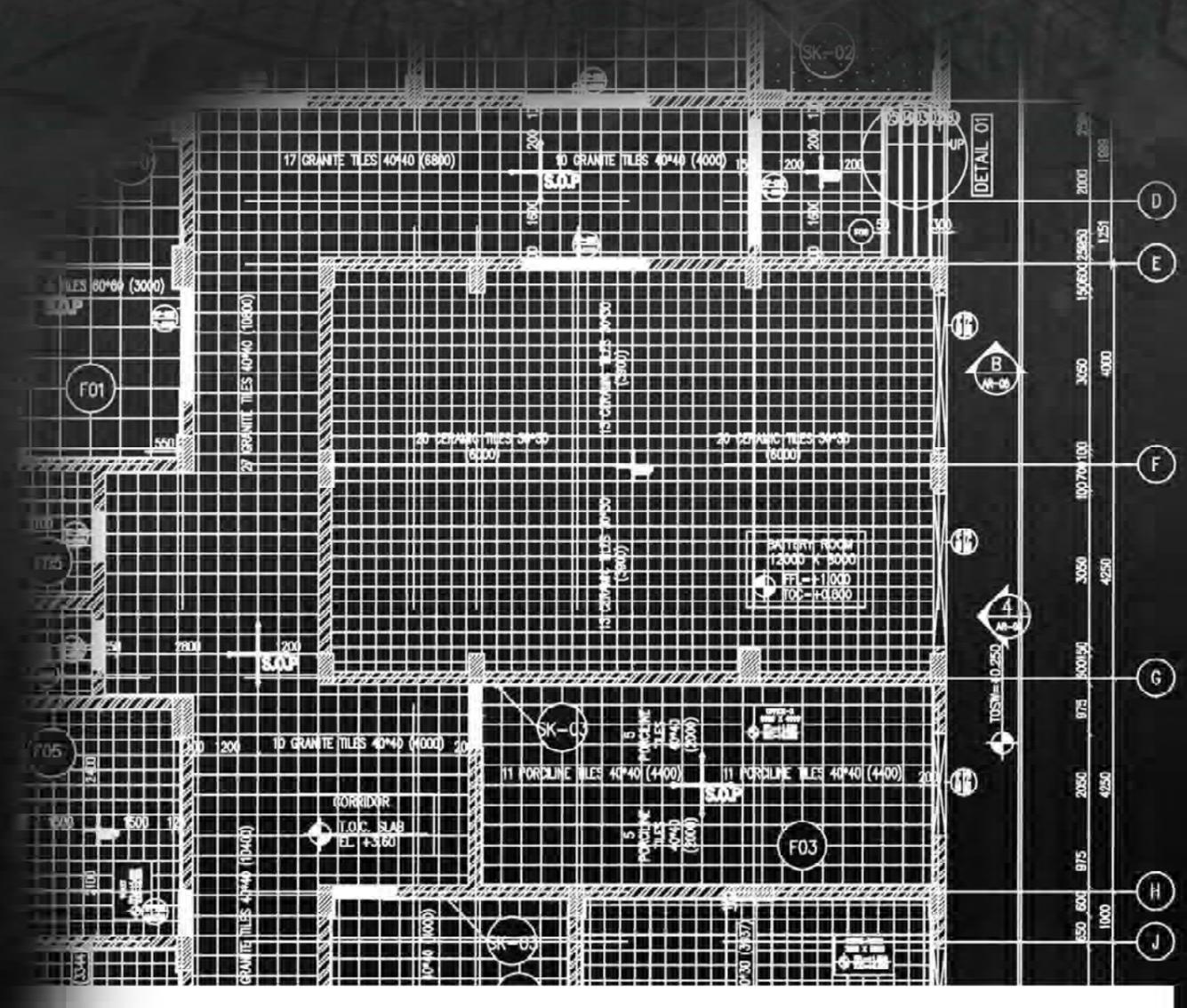
EDGES processed a total of over 700 Structural and Architectural Design Development, Design Verification, & Shop Drawings for different Buildings and Zones inside the Project.

**Category:** Structural and Architectural Design Development, Design Verification, & Shop Drawings  
**Location:** Mostakbal City, Egypt.

**Program:** Complete Architectural design Development, Design Verification & Shop Drawings & Complete Structural Design Development, Design Verification, & Shop Drawings.  
**Total Sheets:** Over 350 Structural sheets.  
Over 350 Architectural sheets.

**Applications:** 1- GIS  
2- Switch Gear  
3- Fire Fighting  
4- Control  
5- Boundary Fence

|                                   |   |
|-----------------------------------|---|
| PROJECT                           | <b>Mostakbal City</b><br>220 / 22 Kv GIS & 220KV SWITCHING STATION 1  |
| EMPLOYER / DEVELOPER              | El-Mostakbal For Urban Development<br>Zakari El-Mandi Tower, Level C2, 65, Foratoh El-Nile, El-Mandi, Cairo<br>Tel.: 01 1 1-373-6059 / 2328441 / 180 Fax: 2328441 15  |
| PROJECT PM                        | <b>MOHARRAM BAKHOUM</b>   |
| SUPERVISION CONSULTANT            | <b>SHAKER CONSULTANCY GROUP</b>   |
| CONTRACTOR: CONSORTIUM (KN / HHI) | <br><b>KHARAFI NATIONAL</b><br>For Infrastructure Projects<br>Developments - Construction and Service S.A.E.<br>1000, Banjaeojinsinhawn-doro, Dong-gu, Ulsan, Korea<br><b>HYUNDAI ELECTRIC</b><br>AND<br><b>POSCO</b><br>DAEWOO<br>POSCO DAWWOO CORPORATION (FDC) |
| CONTRACTOR CONSULTANT             | <b>B.c.G. Bahrawy Consultancy Group</b>   |
| Sub contractor:                   | <b>ALBARQ FOR CONTRACTING</b><br>ADDRESS: 96 Alhimmu Fakhry St., Cairo, Egypt<br>TEL: +202 23646187 FAX: +202 23647034<br>E-mail: info@albarq-eg.com  |



**22 KV SWGR ROOM  
ROOF SLAB BEAMS RFT DETAILS**



Partner in success



Client



## Laheq Island

Laheq Island is a luxury residential-focused development by Red Sea Global on Saudi Arabia's west coast.

Designed by Foster + Partners, it spans about 400 hectares with villas, condos, and two luxury hotels. The island features a marina, golf course, beach clubs, and retail souq, blending living with leisure. It's powered entirely by renewable energy and emphasizes environmental restoration. Laheq marks the Red Sea's first residential island, offering private ownership in a sustainable luxury setting

**Category:** MEP BIM LOD (400)

**Location:** Laheq Island , Saudi Arabia

### Program:

The MEP scope for the Golf and Middle Communities includes developing mechanical and electrical utility systems to LOD 400. It covers defining all utility parameters and labeling standards for accurate modeling. Ensures full coordination between electrical, mechanical, structural, and architectural disciplines. Integrates IFC and COBie parameters for asset data and interoperability. Delivers a fully coordinated, clash-free model ready for construction and BIM handover

**RAWABI** RAWABI SPECIALIZED CONTRACTING (RSC)  
P.O. Box 30445, Al Khobar 31952  
Kingdom of Saudi Arabia  
Tel: +966 13 814 6336  
Website: www.rawabiholding.com

Structural Consultant  
**Dubai Office —**  
Office 210, MSM2 Building, Al Safa  
First, Sheikh Zayed Road, Dubai, UAE  
P / +971 4 885 5004  
E / dubai@bgeeng.com  
bgeeng.com —

**BG & E**

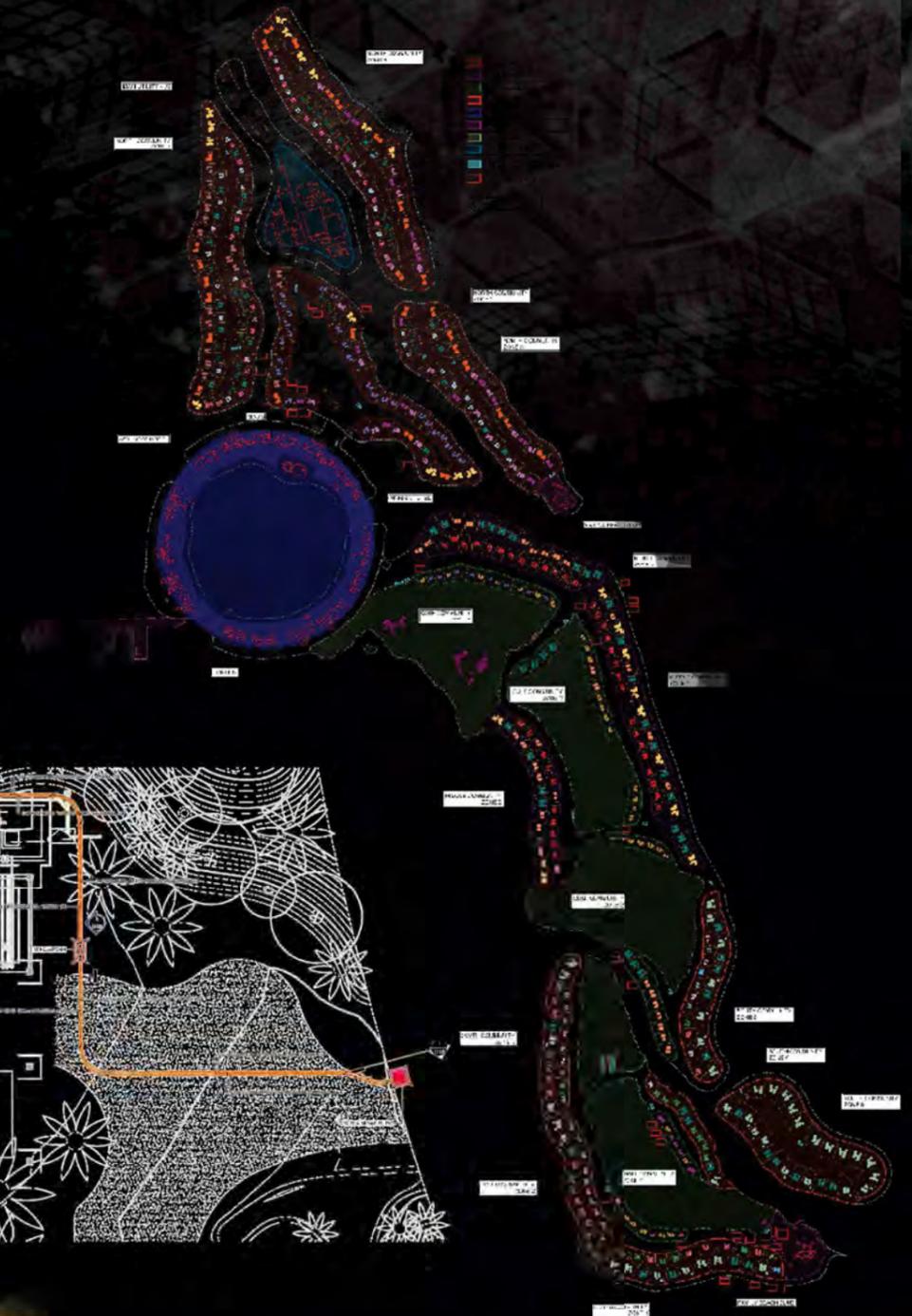
Lead Engineering Consultant  
**chapmanbdsp**  
40 Gracechurch Street,  
London EC3N 2DT  
T: +44 (0) 20 7618 7800  
info@chapmanbdsp.com  
www.chapmanbdsp.com

Executive Architect AOR  
Uthmaniyah District  
Riyadh 11625, KSA  
T: +966 8220 50750  
F: +966 8220 50750  
ryadh@deewan-architects.com

**Dewan**  
Architects +  
Engineers

Signature/Design Architect  
**Foster + Partners**  
Riverbank, 22 Hester Road,  
London SW11 5AN  
T: +44(0)20 7738 0455  
F: +44(0)20 7738 1107  
london@fosterandpartners.com  
www.fosterandpartners.com

Client  
**Red Sea**  
Global





Partner in success



Client



# WASTE WATER PUMPING STATION

Saudi Arabia , KSA

Category: BIM - LOD 300

Structure, Architecture & Tendering Drawing

Location: KSA.

Program: Waste water treatment plant  
 Waste water lift station 11,12  
 Waste water lift station 1,2,4,6,7,9  
 Irrigation Distribution Pumping station  
 TSE Transfer pumping station (TTPS)  
 PWDPS NORTH  
 PWDPS SOUTH

Client:

Project Name / Logo: DETAILED MASTER PLAN ENGINEERING & INFRASTRUCTURE DESIGN FOR UPTOWN (SOUTH) DISTRICT

Key Plans:

| Scale           | Planning | Station Footprints | Cladding | Structural Grid |
|-----------------|----------|--------------------|----------|-----------------|
| Final Plan      |          |                    |          |                 |
| Final Section   |          |                    |          |                 |
| Final Elevation |          |                    |          |                 |
| Final Detail    |          |                    |          |                 |
| Final Section   |          |                    |          |                 |
| Final Elevation |          |                    |          |                 |
| Final Detail    |          |                    |          |                 |
| Final Section   |          |                    |          |                 |
| Final Elevation |          |                    |          |                 |
| Final Detail    |          |                    |          |                 |

| Station    | Capacity (m <sup>3</sup> /day) | Flow (m <sup>3</sup> /hr) | Power (kW) | Notes |
|------------|--------------------------------|---------------------------|------------|-------|
| Station 1  | 1000                           | 42                        | 15         | ...   |
| Station 2  | 1500                           | 63                        | 22         | ...   |
| Station 3  | 2000                           | 84                        | 30         | ...   |
| Station 4  | 2500                           | 105                       | 38         | ...   |
| Station 5  | 3000                           | 126                       | 45         | ...   |
| Station 6  | 3500                           | 147                       | 52         | ...   |
| Station 7  | 4000                           | 168                       | 60         | ...   |
| Station 8  | 4500                           | 189                       | 68         | ...   |
| Station 9  | 5000                           | 210                       | 75         | ...   |
| Station 10 | 5500                           | 231                       | 82         | ...   |
| Station 11 | 6000                           | 252                       | 90         | ...   |
| Station 12 | 6500                           | 273                       | 98         | ...   |

Rev. No. | Description | Date | Checked

Consultant / Lead Designer: **JACOBS**

Contractor: **EDGES**

Drawing Title: **SITE LAYOUT**

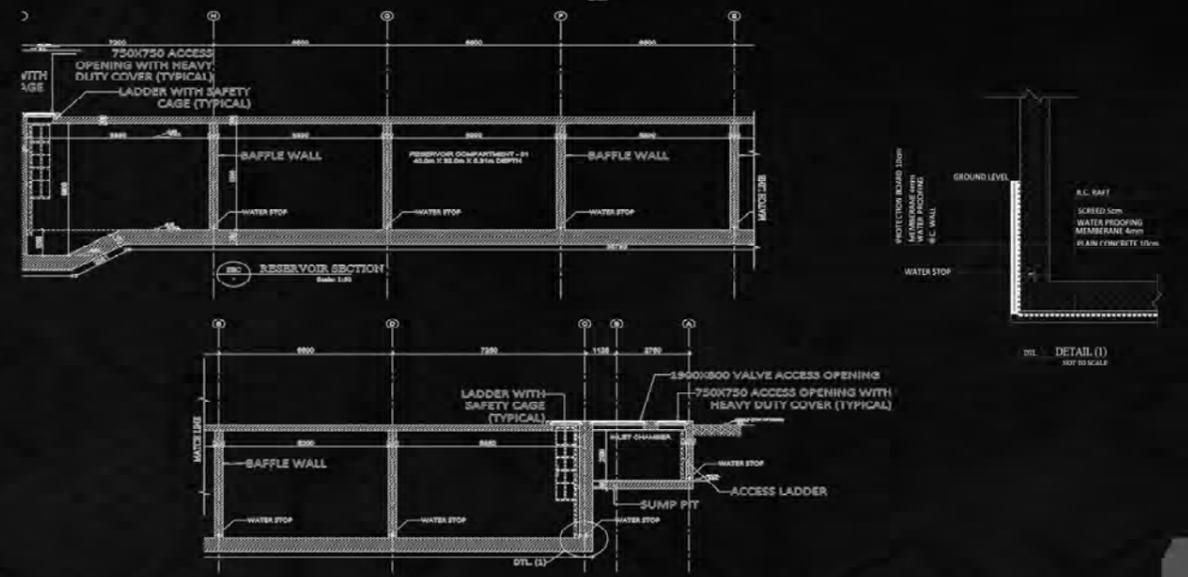
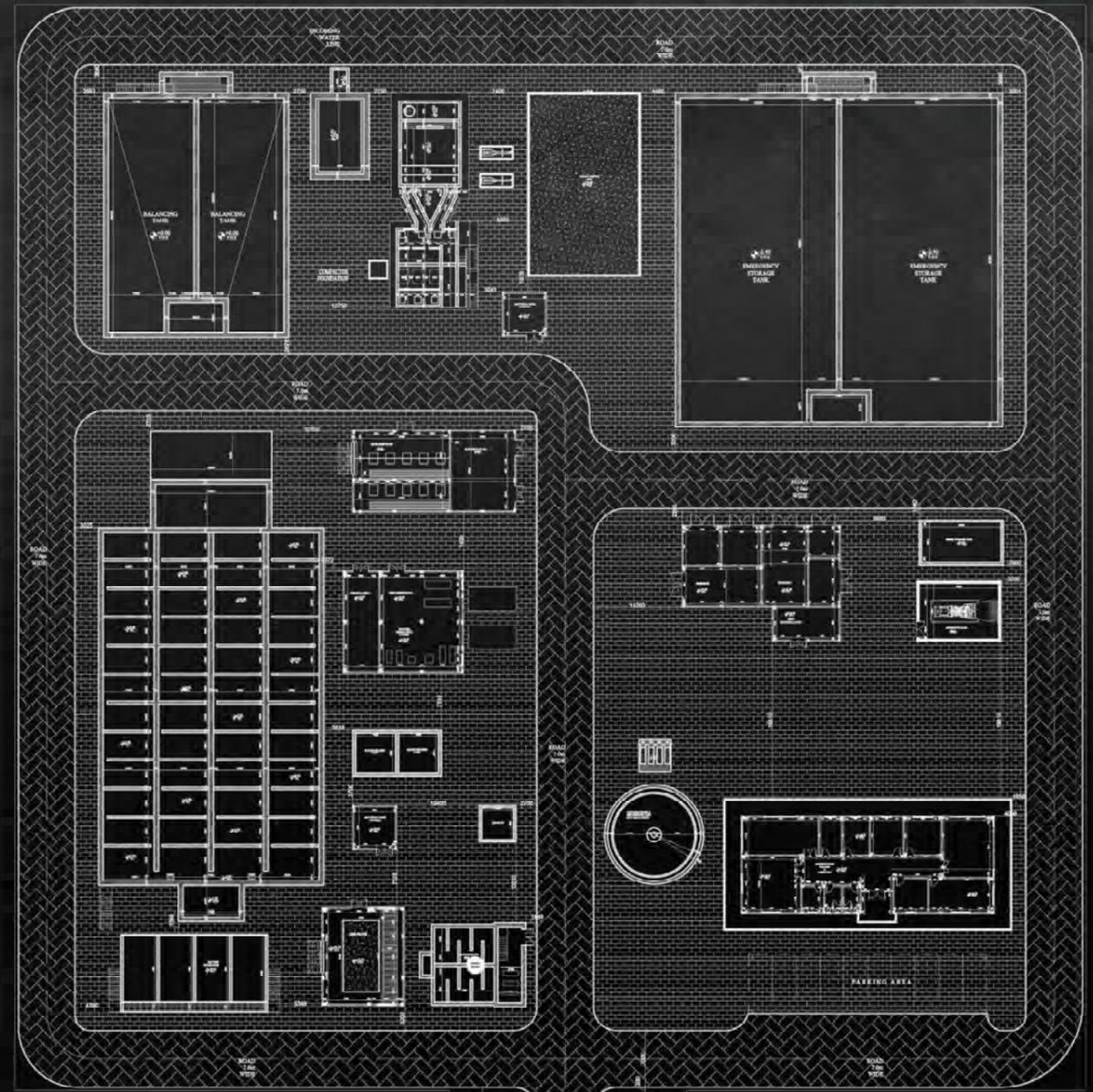
Reference File: N/A

Author: N/A

Checked: N/A

Drawing Number: Scale: NTS

| Project ID | Disc. | Doc. Type | Dwg. Type | Disc. | Area | Version | Rev. |
|------------|-------|-----------|-----------|-------|------|---------|------|
| LTD        | JCS   | DRW       | ARC       |       |      |         |      |



Partner in success



Client



# WASTE WATER PUMPING STATION

Saudi Arabia , KSA

**Category:** BIM PROJECT LOD 300  
Schematic  
Structure, Architecture  
& Tendering Drawing

**Location:** Saudi Arabia, KSA.

**Program:** Waste water treatment plant  
Waste water lift station 11,12  
Waste water lift station 1,2,4,6,7,9  
Irrigation Distribution Pumping station  
TSE Transfer pumping station (TPPS)  
PWDPS NORTH  
PWDPS SOUTH

Client:

Project Name / Logo:  
DETAILED MASTER PLAN ENGINEERING &  
INFRASTRUCTURE DESIGN FOR UPTOWN  
(SOUTH) DISTRICT

Key Plan:

| LIFTING STATION REF. | GROUND LEVEL (m) | WELL DEPTH (m) | WELL INVERT (m) | WELL DIA. (mm) | WELL VOL. (m <sup>3</sup> ) | WELL TYPE | WELL ALARM (m) | WELL START (m) | WELL STOP (m) | WELL ALARM (m) | WELL STOP (m) | SUMP FLOOR LEVEL (m) |
|----------------------|------------------|----------------|-----------------|----------------|-----------------------------|-----------|----------------|----------------|---------------|----------------|---------------|----------------------|
| WWAL11               | 997.82           | 3.7            | 994.12          | 1000           | 3.7                         | 3.7       | 994.12         | 997.82         | 994.12        | 994.12         | 994.12        | 997.82               |
| WWAL12               | 998.1            | 3.8            | 994.3           | 1000           | 3.8                         | 3.8       | 994.3          | 998.1          | 994.3         | 994.3          | 994.3         | 998.1                |
| WWAL4                | 997.41           | 0.6            | 996.81          | 1000           | 0.6                         | 0.6       | 996.81         | 997.41         | 996.81        | 996.81         | 996.81        | 997.41               |
| WWAL5                | 998.49           | 0.6            | 997.89          | 1000           | 0.6                         | 0.6       | 997.89         | 998.49         | 997.89        | 997.89         | 997.89        | 998.49               |
| WWAL7                | 998.72           | 0.7            | 998.02          | 1000           | 0.7                         | 0.7       | 998.02         | 998.72         | 998.02        | 998.02         | 998.02        | 998.72               |
| WWAL9                | 998.2            | 1.5            | 996.7           | 1000           | 1.5                         | 1.5       | 996.7          | 998.2          | 996.7         | 996.7          | 996.7         | 998.2                |

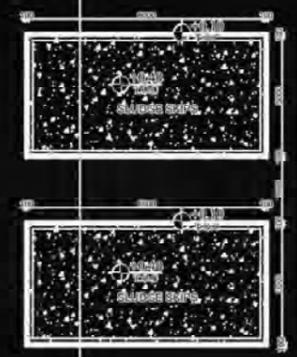
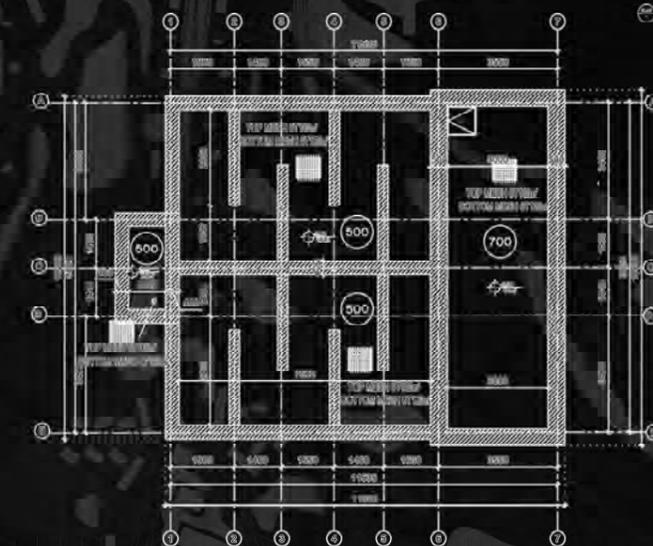
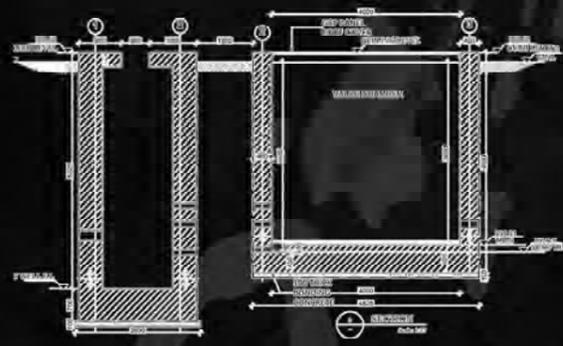
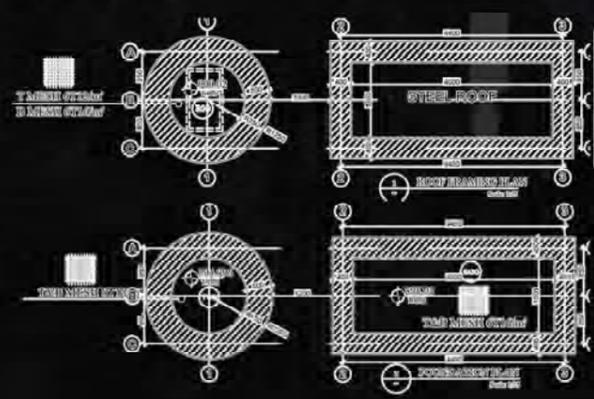
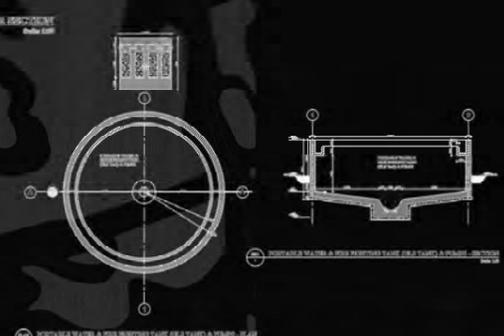
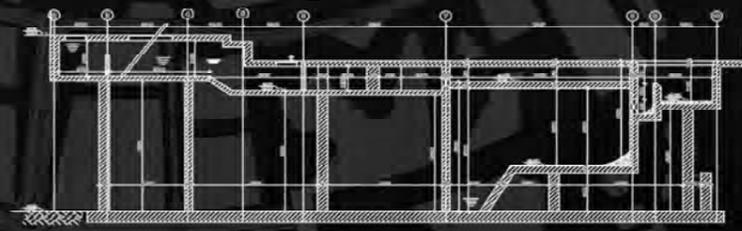
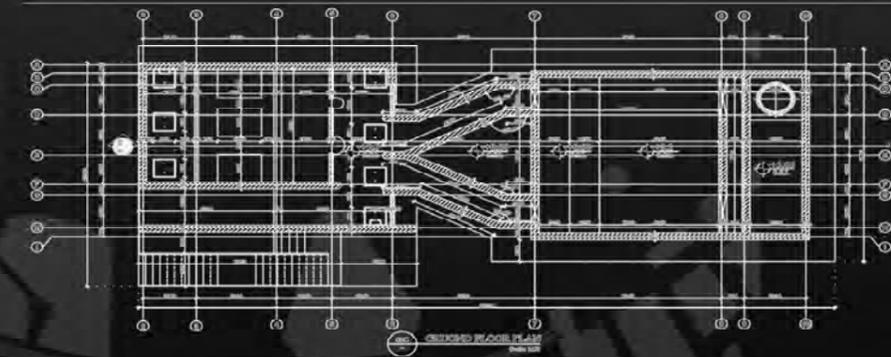
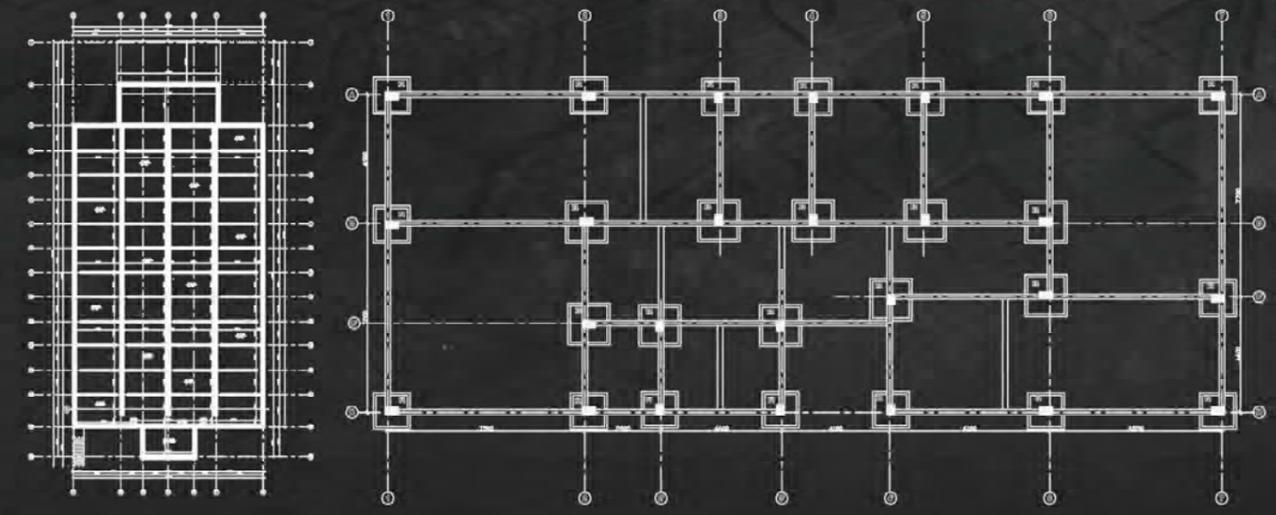
| LIFTING STATION REF. | DUTY FLOW (m <sup>3</sup> /hr) | HEAD (m) | POWER (kW) | DUTY STATIONS | REMARKS                           |
|----------------------|--------------------------------|----------|------------|---------------|-----------------------------------|
| WWAL11               | 15                             | 10.00    | 1          | 1             | SUBMERSIBLE TYPE, CHOUFFY/GRINDER |
| WWAL12               | 15                             | 7.00     | 1          | 1             | SUBMERSIBLE TYPE, CHOUFFY/GRINDER |
| WWAL4                | 15                             | 7.00     | 1          | 1             | SUBMERSIBLE TYPE, CHOUFFY/GRINDER |
| WWAL5                | 15                             | 7.00     | 1          | 1             | SUBMERSIBLE TYPE, CHOUFFY/GRINDER |
| WWAL7                | 15                             | 7.00     | 1          | 1             | SUBMERSIBLE TYPE, CHOUFFY/GRINDER |
| WWAL9                | 15                             | 17.00    | 2          | 2             | SUBMERSIBLE TYPE, CHOUFFY/GRINDER |

| LIFTING STATION REF. | WELL DIA. (mm) | WELL INVERT (m) | WELL VOL. (m <sup>3</sup> ) |
|----------------------|----------------|-----------------|-----------------------------|
| WWAL11               | 1000           | 994.12          | 3.7                         |
| WWAL12               | 1000           | 994.3           | 3.8                         |
| WWAL4                | 1000           | 996.81          | 0.6                         |
| WWAL5                | 1000           | 997.89          | 0.6                         |
| WWAL7                | 1000           | 998.02          | 0.7                         |
| WWAL9                | 1000           | 996.7           | 1.5                         |

| Plan. No. | Description | Date | Checked |
|-----------|-------------|------|---------|
|           |             |      |         |

Consultant / Lead Designer:

Contractor:



SLUDGE TRAPS - PLAN  
Scale 1:50

Partner in success



Client



**Namangan WWTP -  
100,000 m<sup>3</sup>/day Uzbekistan**

Uzbekistan

Category: Structural Design

Location: Uzbekistan.

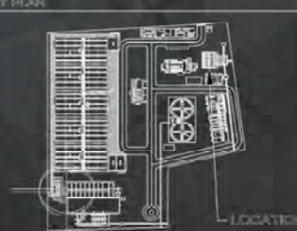
Program: Structural Design & Detailing



**NOTES**

1. ALL DIMENSIONS ARE IN MILLIMETERS AND ALL LEVELS ARE IN METERS.
2. EACH PUMP WEIGHT 2000 kg APPROX.
3. FINISHED GRADE LEVEL IS CONSIDERED AS +0.00 m
4. ALL PUMP FOUNDATION IS UNDER HOLD

**KEY PLAN**



**LEGEND**

- BL : BOTTOM LEVEL
- FC : FINISHED GRADE LEVEL
- YFC : FINISHED GRADE LEVEL
- SL : SURFACE LEVEL
- SWL : SURFACE WATER LEVEL
- FWL : FINISHED GRADE LEVEL

|     |          |    |                     |       |
|-----|----------|----|---------------------|-------|
| NO. | DATE     | BY | DESCRIPTION         | APP'D |
| 0   | 05.04.23 | SM | ISSUED FOR APPROVAL | RK SS |

**EDGES**  
Civil Design & Preliminary Services  
Website: www.edges.com  
Email: info@edges.com

**CLIENT**  
Ministry of Housing and Communal Services of the Republic of Uzbekistan

**EPC CONTRACTOR**  
**MEYITO**  
MEYITO (OVERSEAS) LIMITED  
OFFICES : (071 8) 508 4777  
FAX : (071 8) 508 4777

**DRAWING TITLE :** CIVIL OUTLINE DRAWING FOR LIFTING PUMPING STATION  
**FOUNDATION CONCRETE AND REINFORCEMENT DETAILS**

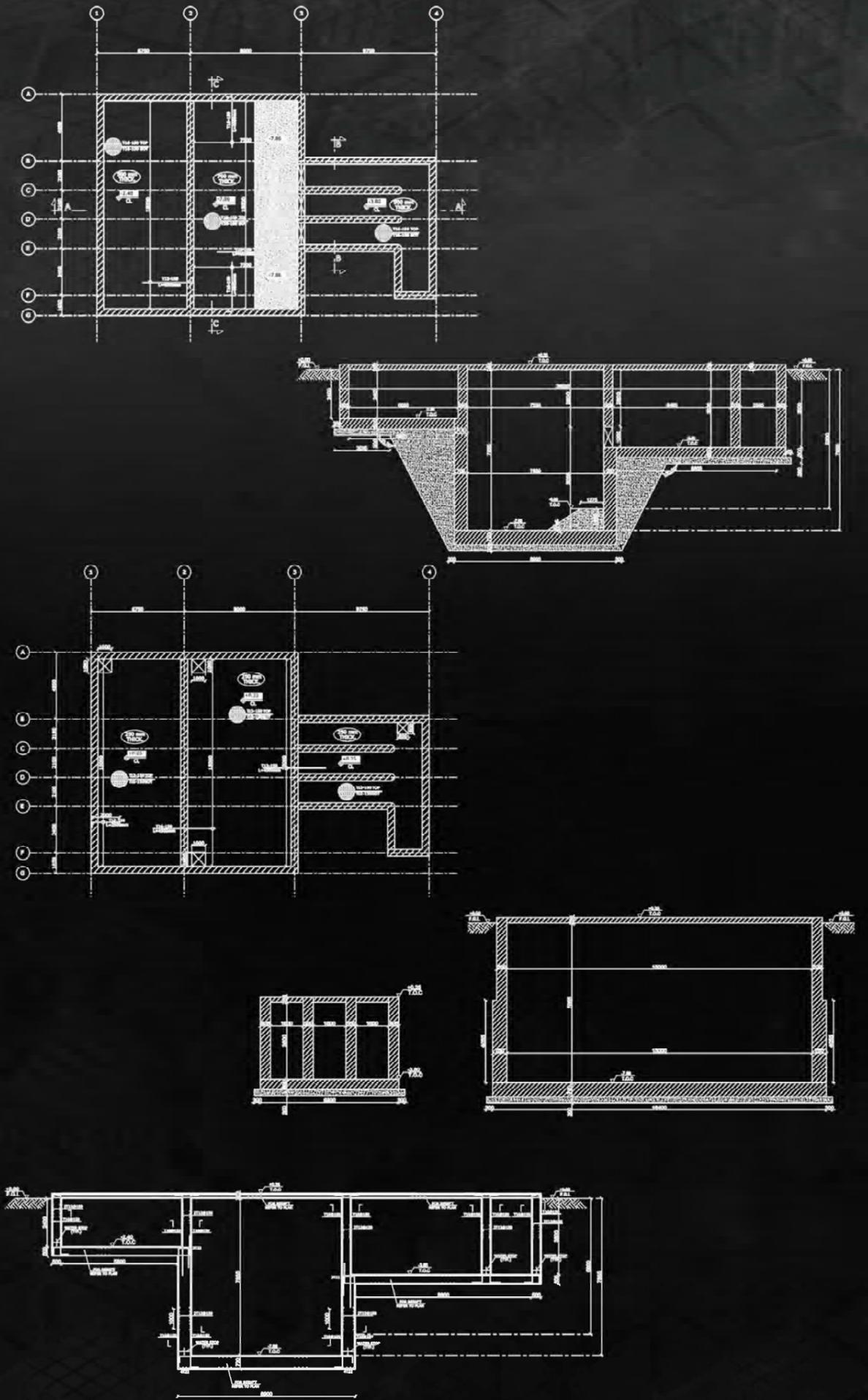
**PROJECT :** WASTEWATER TREATMENT PLANT IN NAMANGAN - UZBEKISTAN, CAPACITY-100 MLD

**CLIENT :** MINISTRY OF HOUSING AND COMMUNAL SERVICES

**SCALE :** 1:20

**DATE :** 2023.04.05-30-01

**REV. NO. 1 OF 4**



Partner in success



Client

وزارة البيئة والمياه والزراعة  
Ministry of Environment Water & Agriculture  
Kingdom of Saudi Arabia المملكة العربية السعودية



**EXPANSION OF SAKAKA SEWAGE TREATMENT PLANT AL-JOUF REGION- 26,000M3/DAY**

Saudi Arabia , AL-JOUF REGION

Category: FULL DESIGN & SHOP DRAWING BIM lod400

Location: Saudi Arabia , AL-JOUF REGION.

Program: FULL DESIGN & SHOP DRAWING BIM

**GENERAL NOTES:**  
1- ALL DIMENSIONS ARE IN MM & ALL ELEVATIONS ARE IN METERS

**LEGEND**

|    |                                     |
|----|-------------------------------------|
| 02 | SCREEN & GRIT REMOVAL SYSTEM        |
| 03 | ALKALINATION DISTRIBUTION CHAMBER   |
| 04 | AERATION TANKS                      |
| 05 | CLARIFIER DISTRIBUTION CHAMBER      |
| 06 | CLARIFIERS                          |
| 07 | F FEED SUMP /F FEED PUMPS STATION   |
| 08 | TERTIARY FILTRATION                 |
| 09 | CHLORINE CONTACT TANK               |
| 10 | CHLORINATION BUILDING               |
| 11 | B/A RETURN PUMP STATION/SUMP        |
| 12 | BACKWASH PUMP STATION               |
| 13 | WORKS PUMP STATION / SUMP           |
| 14 | FLAS/WAS PUMP STATION               |
| 15 | SLUDGE THICKENER TANK               |
| 16 | BELT PRESS BUILDING                 |
| 17 | EMERGENCY RAW WATER TANK            |
| 18 | AIR BLOWERS BUILDING                |
| 19 | EMERGENCY TREATED WATER TANK        |
| 20 | ADMINISTRATION/LAB/CONTROL ROOM     |
| 21 | CLARIFIER COLLECTION CHAMBER        |
| 22 | MARRIENANGE BUILDING                |
| 23 | POWER HOUSE                         |
| 24 | VALVE CHAMBER                       |
| 25 | ODOUR CONTROL SYSTEM                |
| 26 | NEW REC ROOM - (W/AD AL SHAMAL)     |
| 27 | NEW TRANSFORMER- (W/AD AL SHAMAL)   |
| 28 | ODOUR CONTROL SYSTEM FOR BELT PRESS |

EXISTING ROADS    STATION FOR NEW ROADS  
NEW ROADS    LEVEL FOR EXISTING ROADS  
INTERLOCK    SLOPE FOR ROADS

REV. DATE DESCRIPTION BY

**REVISIONS COORDINATION**

| REF. | DWG. DOC. | ARCHITECTURAL | STRUCTURAL | ELECTRICAL | MECHANICAL | SUBVISED |
|------|-----------|---------------|------------|------------|------------|----------|
|      |           |               |            |            |            |          |

CLIENT: THE KINGDOM OF SAUDI ARABIA  
Ministry of Environment Water & Agriculture  
General Directorate of Water Affairs  
AL-JOUF Region

CONSULTANT: G.O.C.  
BIGAD OGDHA COMPANY & PARTNERS  
For Engineering Consultations

CONTRACTOR: ALKAWTHAR الكوثر  
P.O. BOX 7771 - JEDDAH 21472

PROJECT TITLE: Expansion of SAKAKA Sewage Treat. Plant AL-JOUF Region - 26,000 m<sup>3</sup>/day

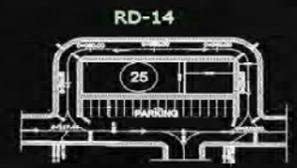
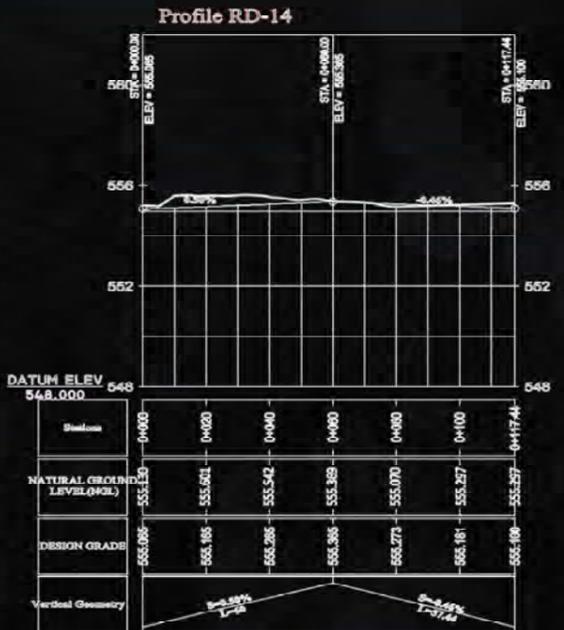
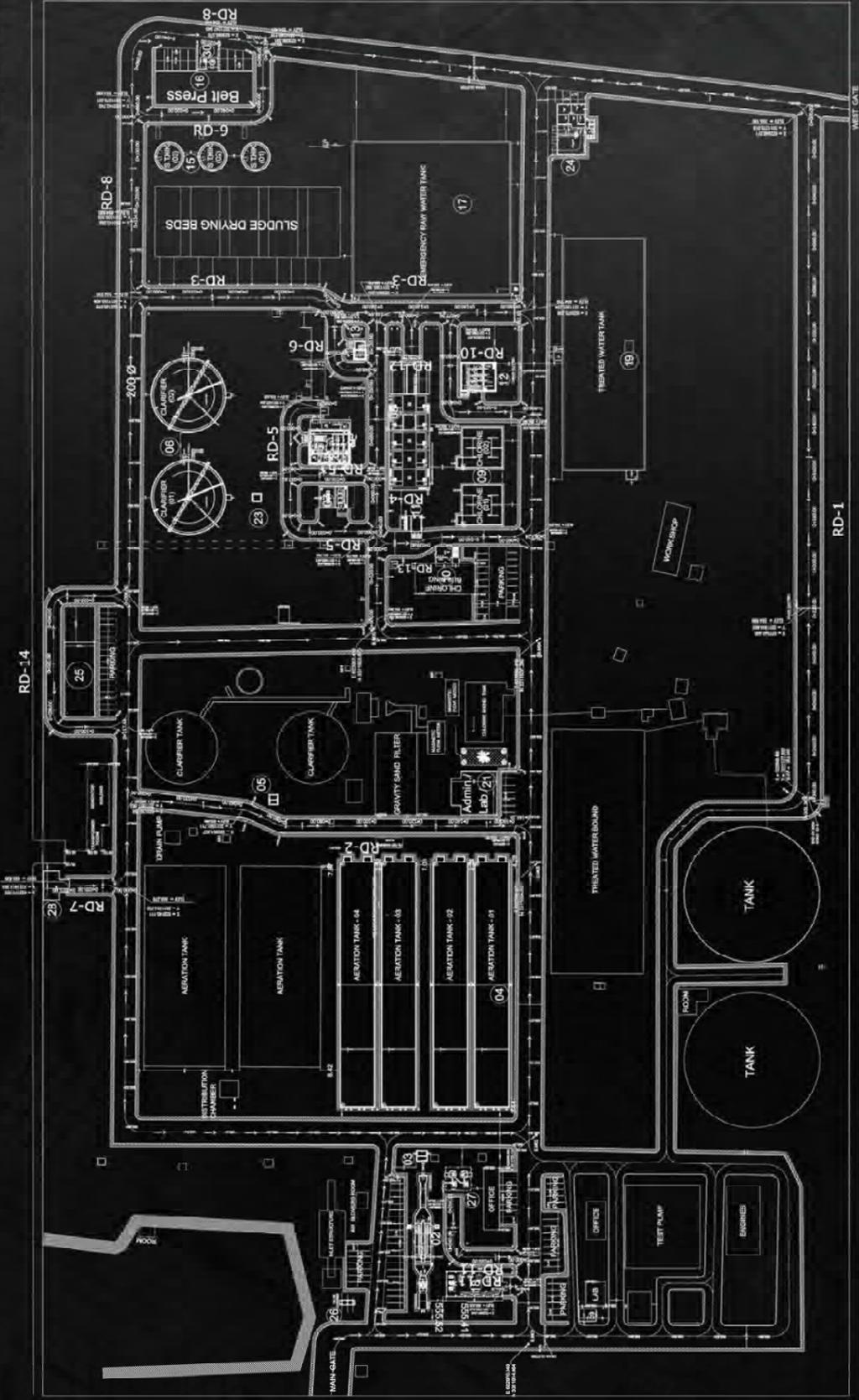
SHOP DRAWING TITLE: ROADS GENERAL LAYOUT CHANGE LOCATION OF POWER HOUSE

|                      |                |            |
|----------------------|----------------|------------|
| DRAWN & CHECKED CIV. | SAMEH ALRASHDY | 05-09-2022 |
| CHECKED MECH.        | HOAZZAH ALI    | 04-09-2023 |
| CHECKED ELEC.        | MOHAMED GAHOM  | 05-09-2022 |
| PROJECT MANAGER      | YASER ATYEA    | 05-09-2022 |

PROJECT No.: J/1820102  
DRAWING No.: J/1820102-SL-6    REV. 02-A  
SCALE: 1:75    SIZE: A0    SHEET No.: 01 OF 02

NOTES:  
1- ALL DIMENSIONS ARE IN MM & ALL ELEVATIONS ARE IN METERS  
2- FROM FINISHING LEVEL OF ASPHALT  
3- ALL SIZES UNLESS SPECIFIED OTHERWISE

↑ MAKKAH





**THANK YOU .**



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 [facebook social media](#)

Tel. / Fax: 002 02 2344 3037

Address: Gardenia Mall, 5<sup>th</sup> Settlement, New Cairo, Egypt

[info@edgescons.com](mailto:info@edgescons.com)