



ETERNAL FOR ENGINEERING SERVISES

إيترنال للتصميمات والأستشارات الهندسية



Who are

ETERNAL | Engineering Services provides a wide range of services and has professional staff in different fields. Our expertise is based on the solid technical knowledge of our engineers in the civil and architectural fields.

WE ARE GLAD TO HAVE YOU ON BOARD!



PREVIOUS EXPERIENCE

ETERNAL | Engineering Services has designed & supervised numerus projects, structures, buildings, different throughout Egypt, Arabian Gulf Area.

Hereby some samples of our projects.

1- STRUCTURAL, MEP DESIGN & SUPERVISION OF PLAZA STRIP PROJECT. One of our major achievements is a **PLAZA STRIP** where we were entrusted with complete responsibility for the design and execution of several key components. We managed everything from the Structural Design to the MEP (Mechanical, Electrical, and Plumbing) Design, ensuring that all systems were integrated seamlessly. Additionally, we oversaw the **supervision** of the entire project, guaranteeing that the work was executed according to the highest standards. This project highlights our ability to handle large-scale, complex projects with precision and efficiency.

Plaza Strip Tourist Walkway (Sadat City - Egypt).

Plaza is the first & largest tourist walkway in the Delta on an area of 21.000 square meters.

The project consists of 6 separated buildings 3 of them with basement floor & more than 14,000 square meters for landscape areas, roads & parking. project value is 60.000.000 L.E.

ETERNAL was responsible for Structural design of projects building, tanks & different landscape shapes. Architectural drawings & shop drawings for the façade & landscape. MEP Design for all the project. Supervising all structural & architectural works in the project.



Plaza Strip 3D View (By Others).





Work Progress in plaza strip project.



Work Progress in plaza strip project.



Work Progress in plaza strip project.





Work Progress for landscape in plaza strip project.

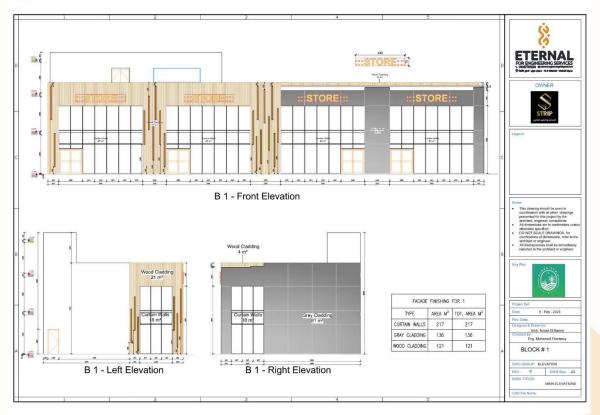


Work Progress for landscape in plaza strip project.

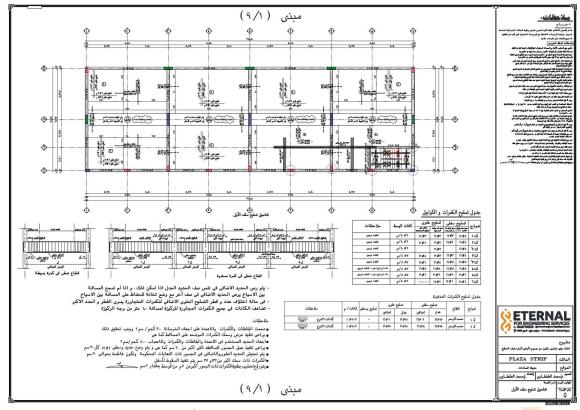


Work Progress for landscape in plaza strip project.



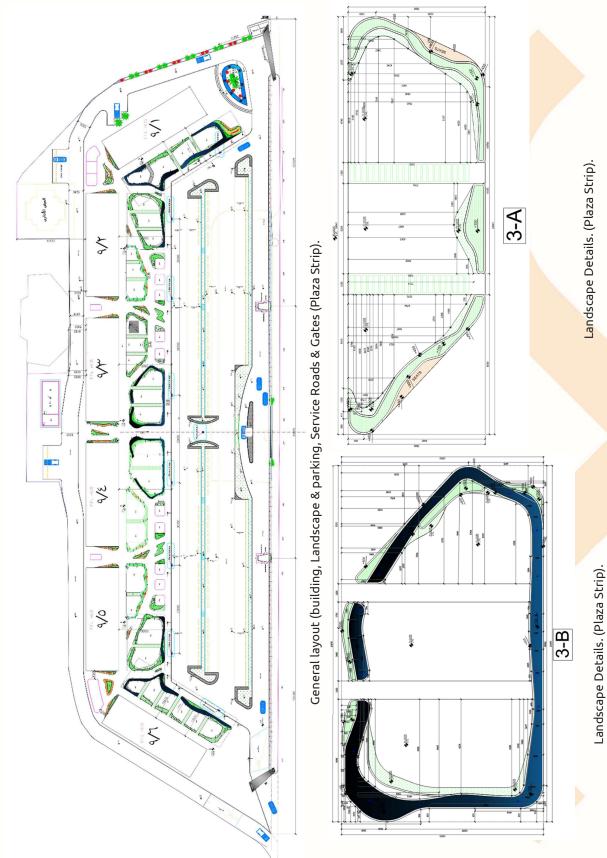


Façade Details (Plaza Strip).



1st Floor Structure Details (Plaza Strip).







2- STRUCTURAL DESIGN & SHOP DRAWINGS.

Moving on to **Structural Design**, our company has a strong track record of delivering robust and efficient structural solutions across various sectors. We specialize in the design of structural systems for buildings, including residential, commercial, and industrial projects. Our designs are characterized by their durability, safety, and compliance with the latest industry standards.

We pride ourselves on our ability to tackle complex structural challenges, providing innovative solutions that meet the specific requirements of each project. Our team ensures that every design is optimized for both performance and cost-effectiveness, balancing safety with aesthetic and functional considerations.

In addition to design, we also handle **detailed shop drawings** and **as-built documentation**, ensuring that every structural element is meticulously planned and executed.

We have successfully completed structural design projects in various locations, including Saudi Arabia, Libya, and, of course, Egypt. This international experience underscores our capability to deliver high-quality solutions in diverse environments.

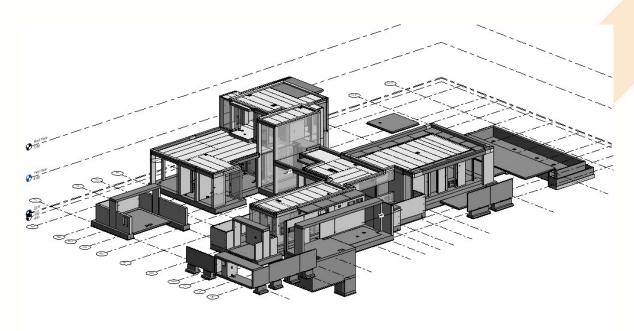


1- TB-GOLF PRIVATE RESIDENCES (H2) (RED SEA, Saudi Arabia) (PRECAST VILLA S.D)



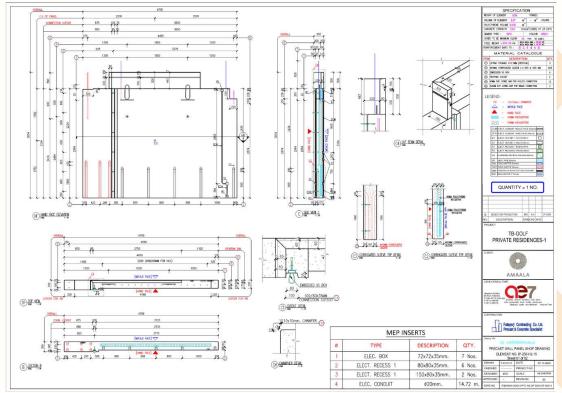
H2 - VILLA

Scope of work is **Preparation of Shop Drawings**: preparation of comprehensive shop drawings that include all required details from both structural and MEP files, providing detailed CAD files showing the quantities and specifications of the various precast elements in the project. and ERECTION Drawings in CAD Format Complete General Information Drawings (ERECTION) will be delivered in CAD format, illustrating all the necessary components and specifications of the precast villa.

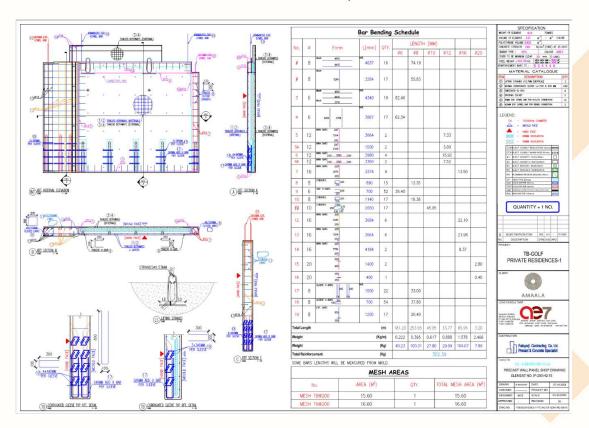


3d view (revit model)



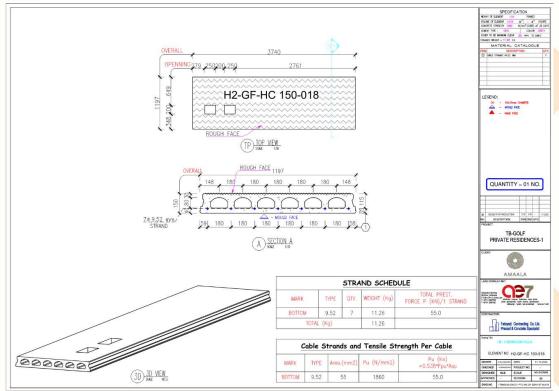


Precast Panel Sample S.D

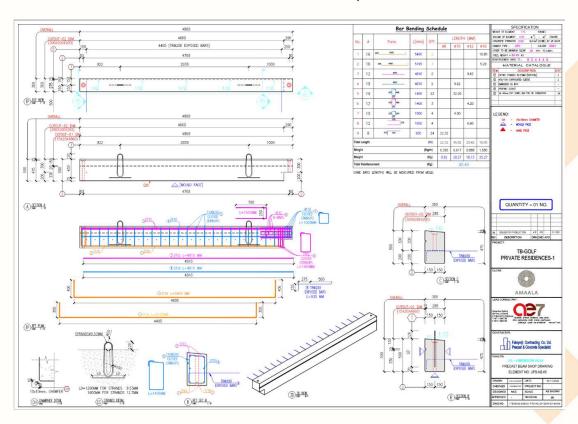


Precast Panel Sample S.D



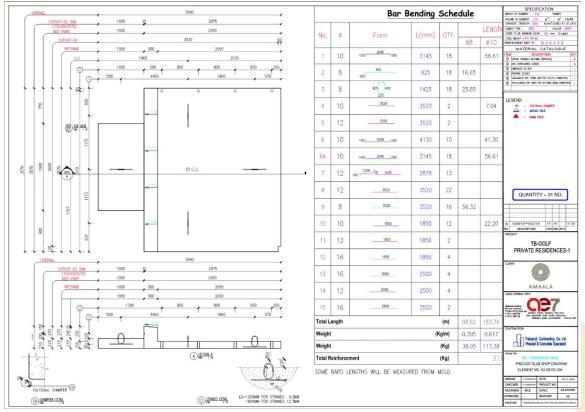


Hollow Core Slab Sample S.D

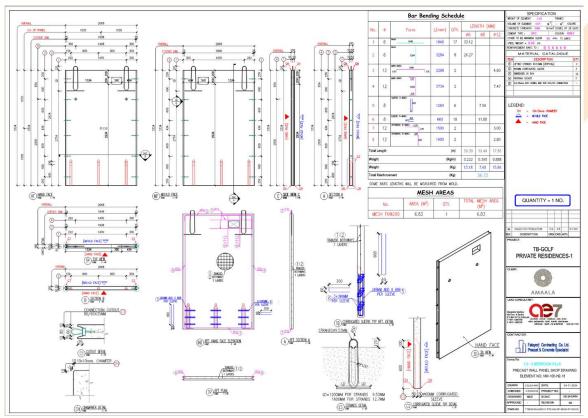


Precast beam Sample S.D



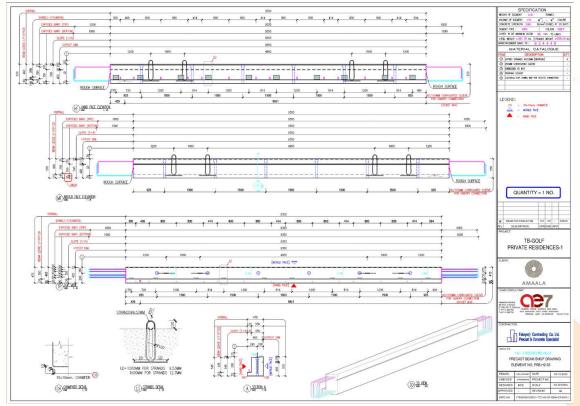


Precast Slab Sample S.D

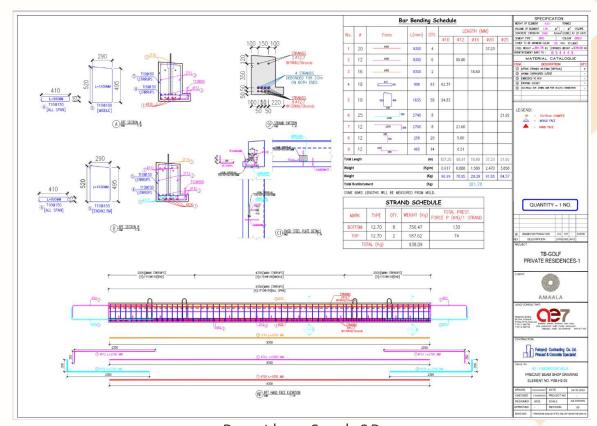


Precast Panel Sample S.D





Precast beam Sample S.D

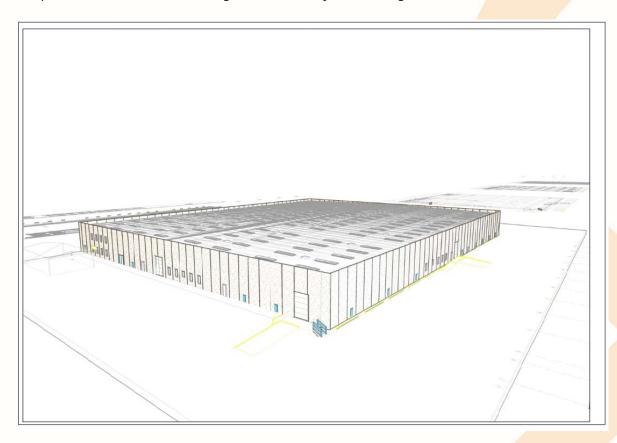


Precast beam Sample S.D



2- OIL & GAS NEW MAIN WAREHOUSE (BREGA, Libya)

Scope of work is Providing design concept, inputs and assumptions, Providing necessary twodimensional models under different types of loads / loading cases as per project or code requirements / If needed, Ensuring the compliance of the design basis to the design code requirements, Producing structural drawings and documentation, Ensure correctness and completeness of the structural design. Detailed analysis and design of all structural elements.



Warehouse 3d view.



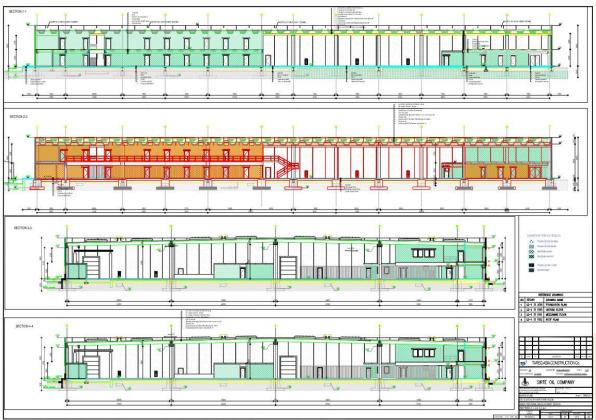


Warehouse Ground Floor Plan.

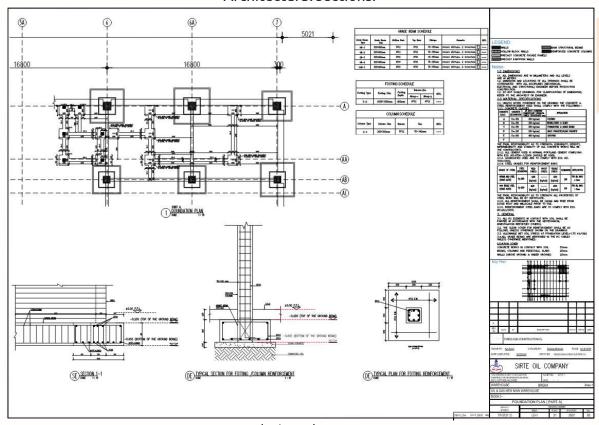


Warehouse Mezzanine Floor Plan.



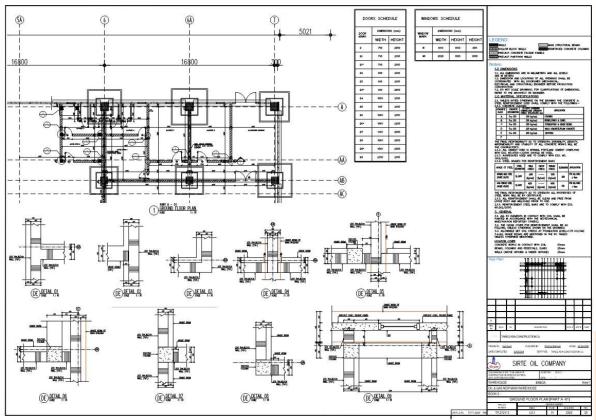


Architectural sections.

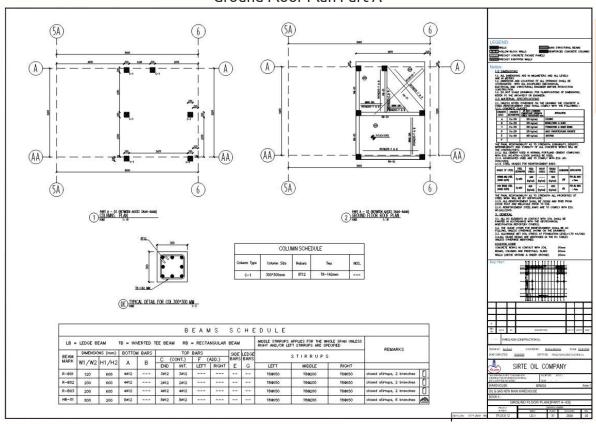


Foundation Plan Part A



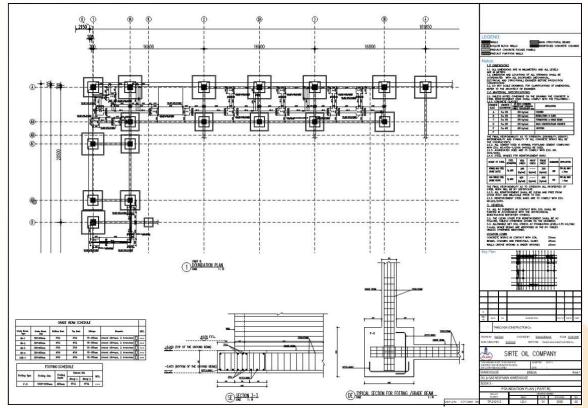


Ground Floor Plan Part A

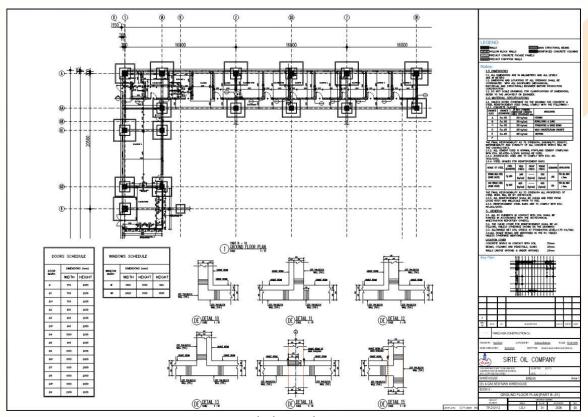


Ground Floor Roof Plan Part A





Foundation Plan Part B

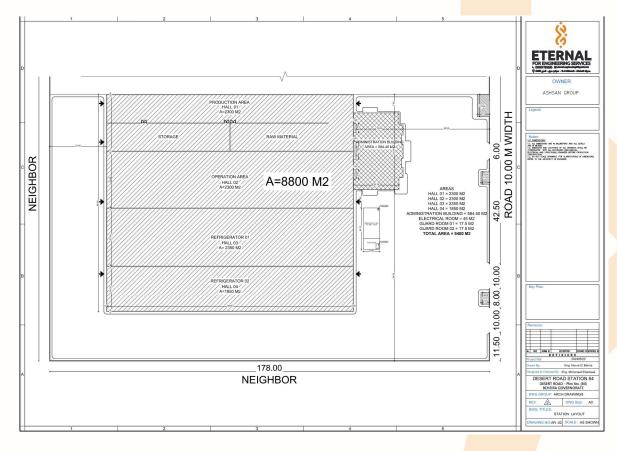


Ground Floor Plan Part B



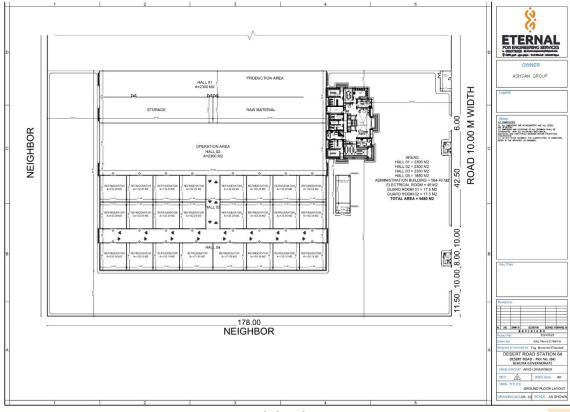
3- Desert Road Station (Cairo-Alex Desert Road, Egypt)

Scope of work is Providing architectural plans, Sections and elevations for the factory, Providing architectural plans, Sections and elevations for the administration Building, Ensuring the client's needs, expectations and vision for the project, Providing design concept, inputs and assumptions. Providing necessary three dimensional and two-dimensional models under different types of loads / loading cases as per code requirements, Ensuring the compliance of the design basis to the design code requirements, Providing the structural design and ensuring its compliance with the applicable ECP standards and regulations, Producing structural drawings and documentation. Ensure correctness and completeness of the structural design, Detailed analysis and design of all structural elements, Technical meetings with project main consultant to discuss the requirements and ensure its implementation.

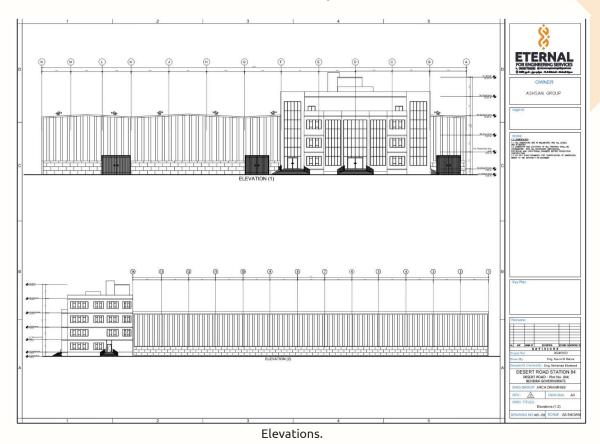


STATION LAYOUT.

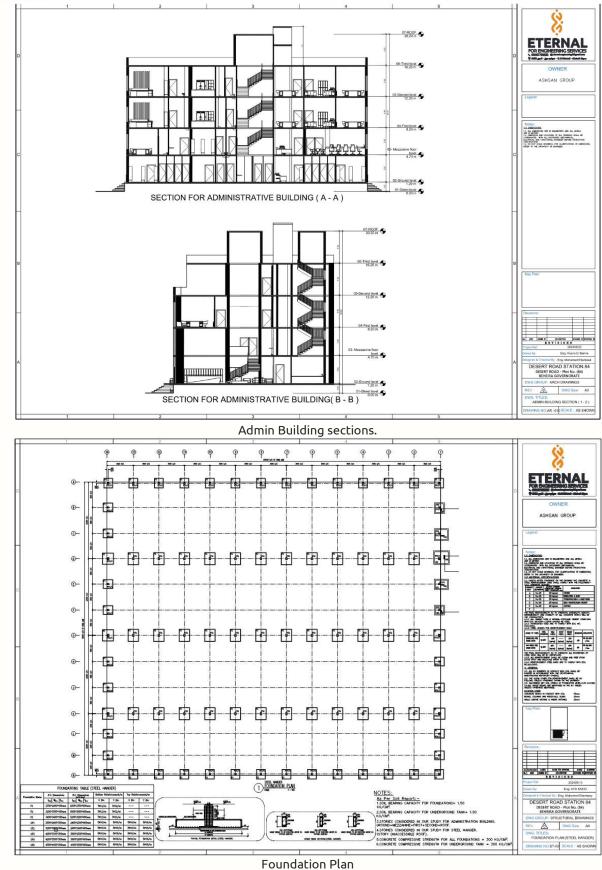




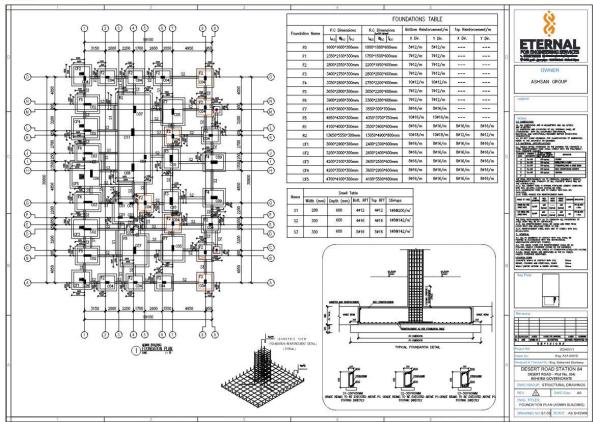
Ground Floor layout



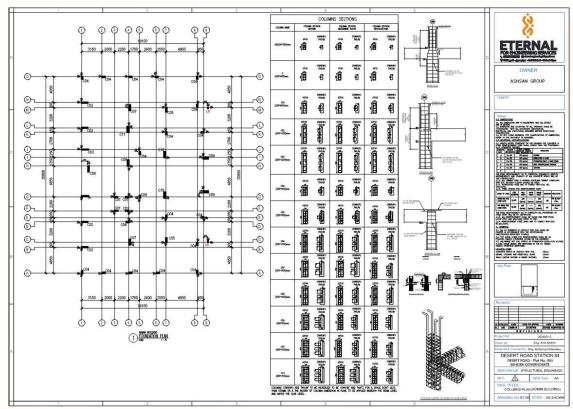






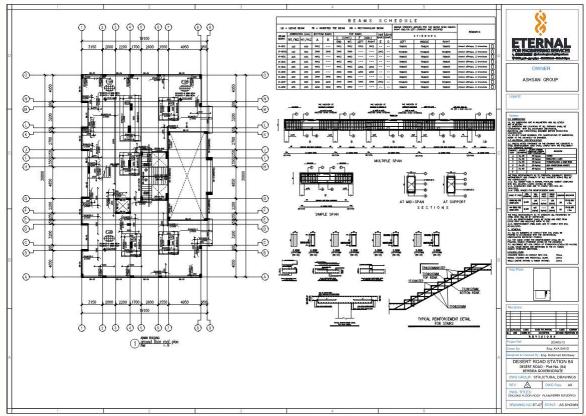


Foundation Plan (Admin Building)

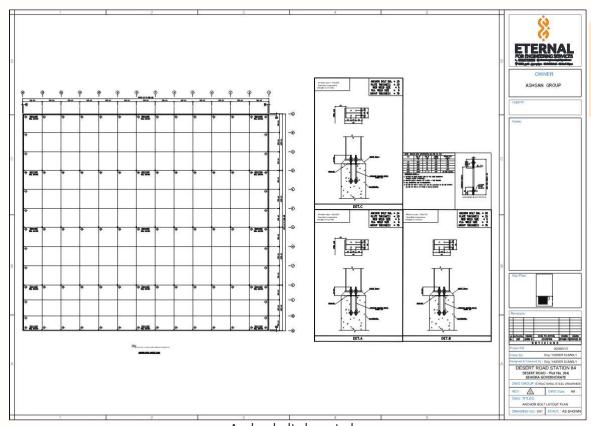


Columns Plan (Admin Building)



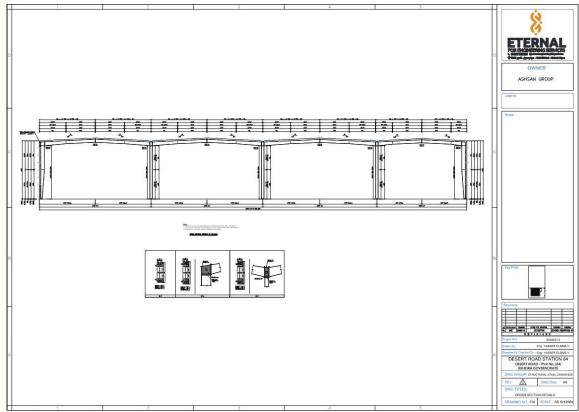


Ground Floor Roof Plan (Admin Building)

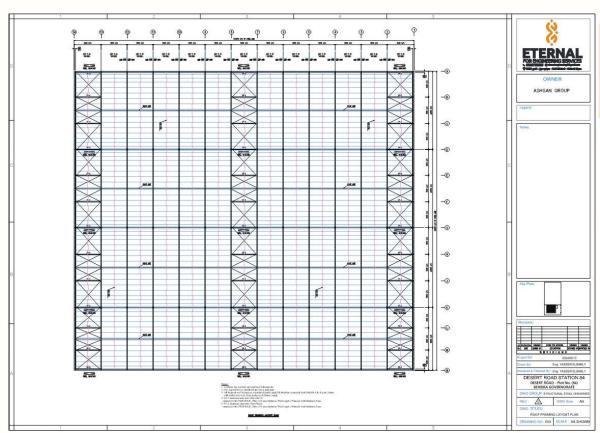


Anchor bolts layout plan



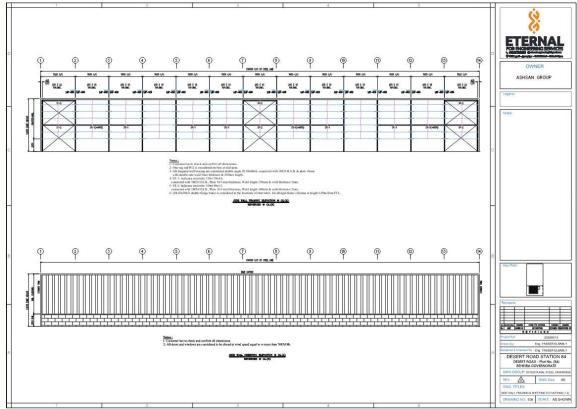


Cross Section Details

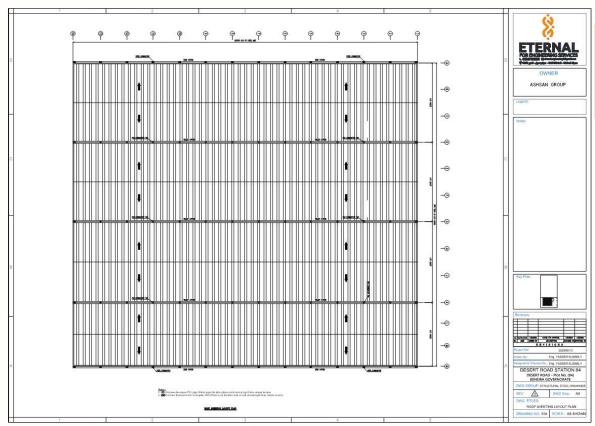


Roof framing layout plan



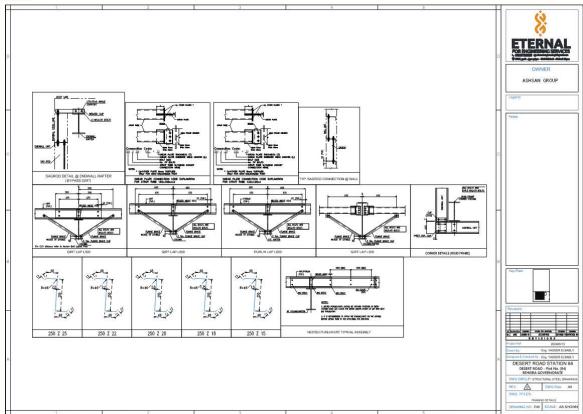


Side wall framing & Sheeting elevation

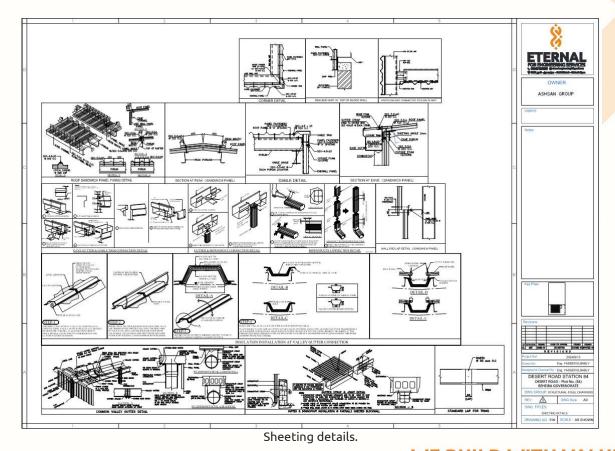


Roof Sheeting layout plan





Framing details.



WE BUILD WITH VALUE



4- AL Rrimal Strip Mall BANK ALBILAD (Riyadh, Saudi Arabia) STRUCTURAL DESIGN For Bank In SAUDI ARABIA.

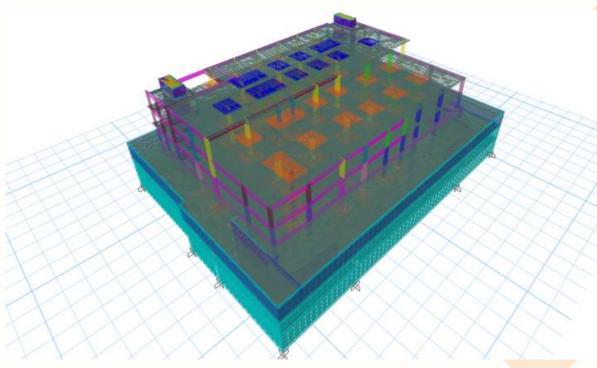
Scope of work is to design all structural concrete elements in the bank in compliance with the architectural requirements and to provide a complete technical report with all the calculations including lateral loads as per SBC code.

The bank consists of 6 floors (3 Basements, 2 stories & Roof)

ETERNAL was responsible for Structural design of projects building, tanks and preparing a technical report & structural drawings for approval.

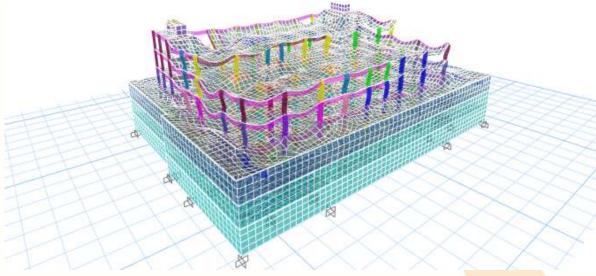


Bank 3D View (By others).

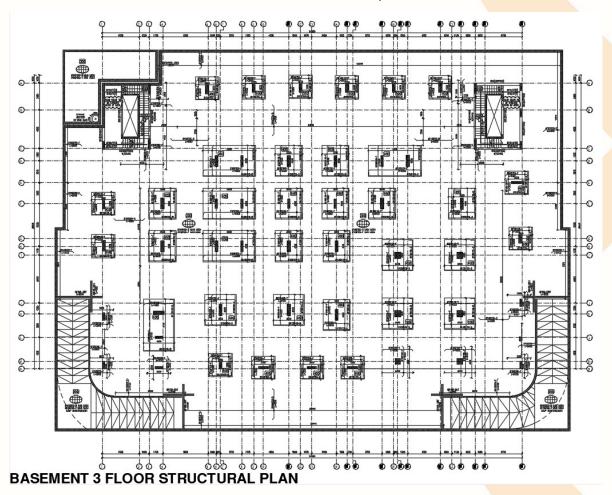


Bank 3D Etabs Model.





Bank 3D Etabs deformed shape.



(Example plan) for basement 3 structural plan.

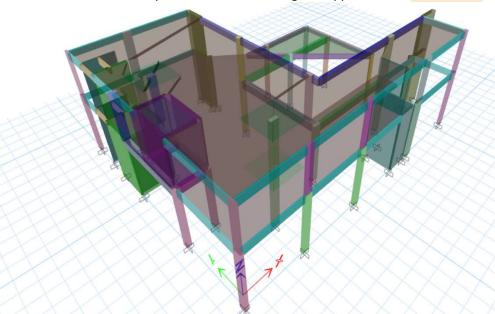


5- VARIOUS STRUCTURAL DESIGNS IN SAUDI ARABIA (BANKS, RESIDENTIAL VILLAS, **COMMERCIAL BUILDINGS AND FACTORIES.**

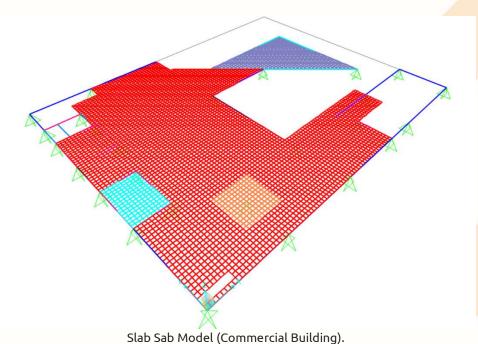
Structural design for various building (Saudi Arabia).

Scope of work is to design all structural concrete elements in different buildings in compliance with the architectural requirements and to provide a complete technical report with all the calculations including lateral loads as per SBC code.

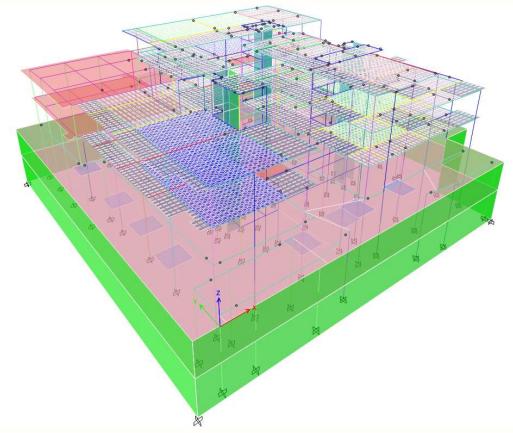
ETERNAL was responsible for Structural design of projects building, tanks and preparing a technical report & structural drawings for approval.



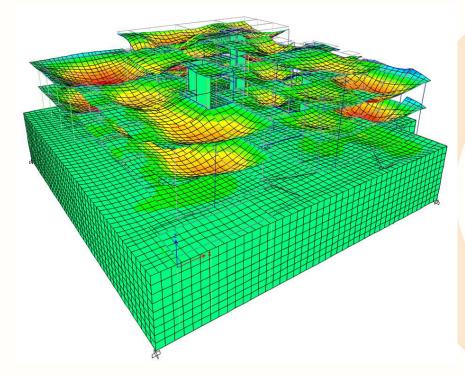
Etabs 3d Model (Commercial Building).





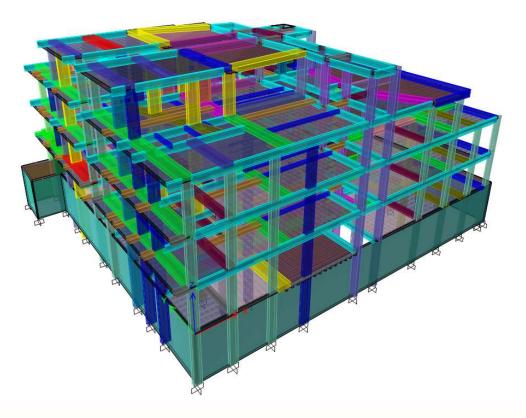


Etabs 3d Model (AYA_ Commercial & Residential Building) Building statical system has different types of slabs such as (Solid Slabs, Flat Slabs, Hollow Block Slabs & Paneled beams), It's also had a lot of planted columns in order to maintain the architectural requirements.

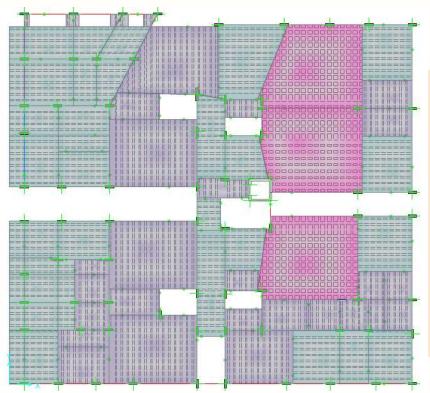


Etabs 3d Model Deformed Shape (AYA_ Commercial & Residential Building).



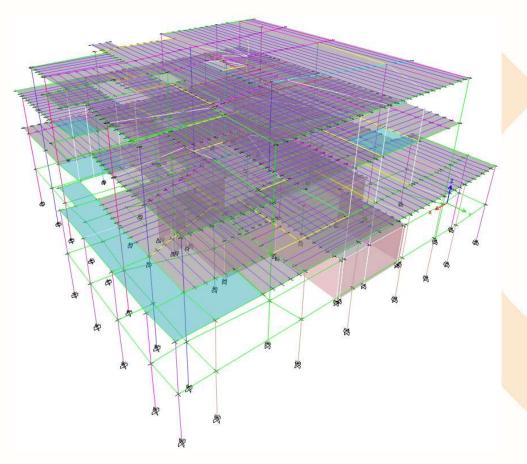


Etabs 3d Model (ABDELAZIZ ABDALLAH_ Commercial & Residential Building) Building statical system has different types of slabs such as (Solid Slabs & Hollow Block Slabs), It's also had a lot of planted columns in order to maintain the architectural requirements.

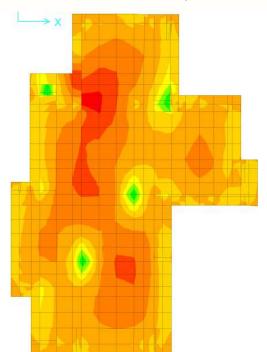


Safe Ground Floor Slab Model (ABDELAZIZ ABDALLAH_ Commercial & Residential Building).



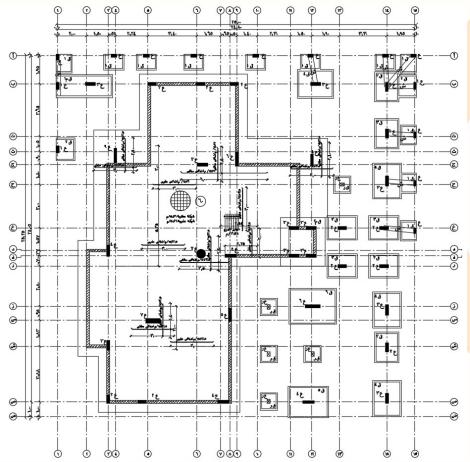


Etabs 3d Model (KH Villa_ Residential Building) Building statical system has different types of slabs such as (Solid Slabs, Flat Slabs & Hollow Block Slabs), It's also had a lot of planted columns in order to maintain the architectural requirements.

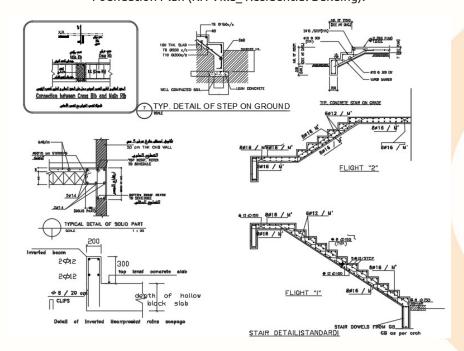


Safe Raft Model (KH Villa_ Residential Building).





Foundation Plan (KH Villa_Residential Building).



Typical Structural Details (KH Villa_Residential Building).

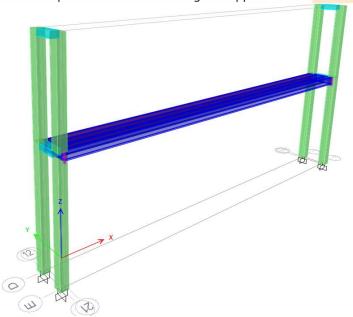


6- STRUCTURAL DESIGNS FOR FOOTBRIDEGES IN LIBYA.

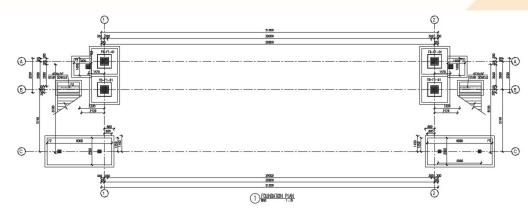
Structural design for precast footbridge 30m (LIBYA).

Scope of work is to design all structural precast & cib concrete elements in different buildings in compliance with the architectural requirements and to provide a complete technical report with all the calculations including lateral loads as per ACI code.

ETERNAL was responsible for Structural design of all the project elements and preparing a technical report & structural drawings for approval.



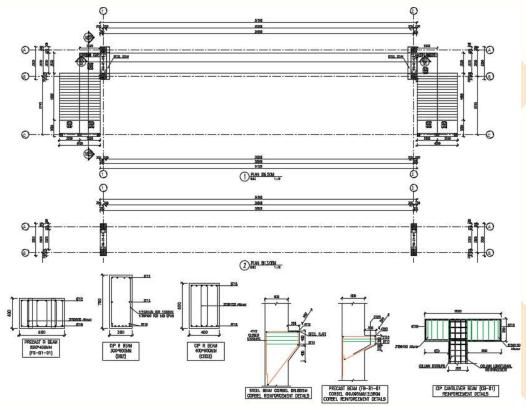
Etabs 3d Model (Precast Footbridge 30m)



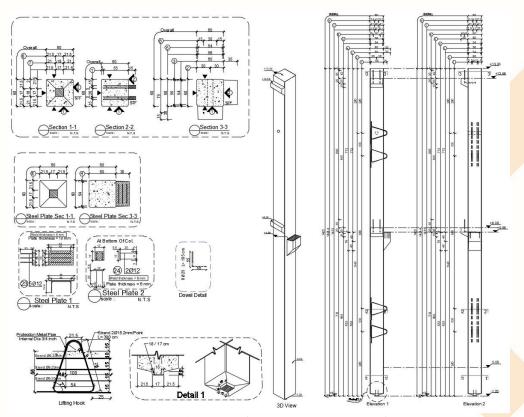
					Fo	undations T	abla				
Foundation Name	P.C Dimensions	R.C Dimensions	Pocket Dimensions	Bottom Rein Lang Dir.	forcement/m Short Dir.		Short Dr.	PC Ver.Reinf.	CKET Rainforcam	ent/m Adt.Hor.Reinf.	NOTES
FB-F1-01	2800*2800*200mm	2400*2400*450mm	1300°1300°1050°∰M	6¢16/m	6916/m	3#16/m	3#16/m	6#16/m	5#12/m	3#16	PRECAST FOOTING
F2	8400*2900*200mm	6000*2500*450MM		4914/m	4#14/m	4#14/m	4914/m				CIP FOOTING
F3	2400*1400*200mm	2000*1000*450MW		5#12/m	5#12/m						CIP FOOTING STAR STARTER
F4	2030*1800*200mm	1600*1600*450WN		4#14/m	4#14/m						CIP FOOTING

Foundation Plan (Precast Footbridge 30m).





Floor Plan & Reinforcement details (Precast Footbridge 30m).



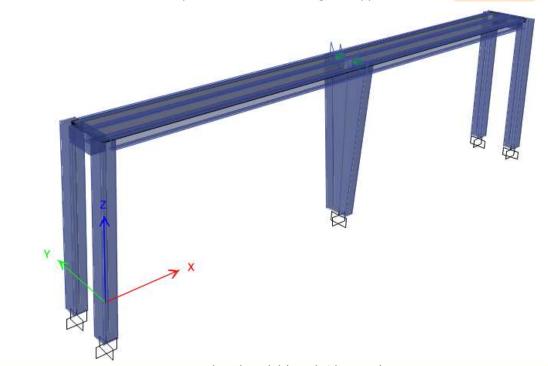
Precast Columns S.D (Precast Footbridge 30m).



Structural design for cip footbridge 14M (LIBYA).

Scope of work is to design all structural concrete elements in different buildings in compliance with the architectural requirements and to provide a complete technical report with all the calculations including lateral loads as per ACI code.

ETERNAL was responsible for Structural design of all the project elements and preparing a technical report & structural drawings for approval.

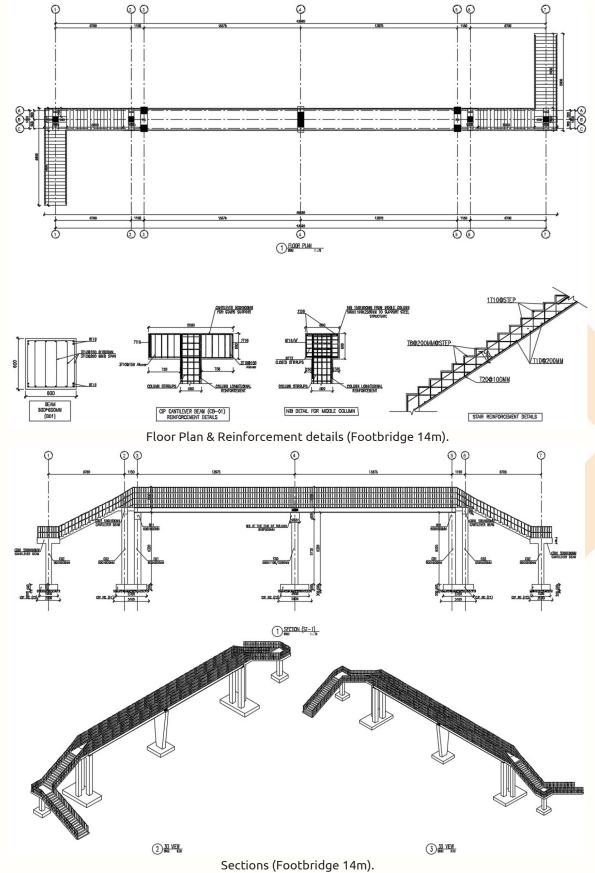


Etabs 3d Model (Footbridge 14m)



3d Model (Footbridge 14m)





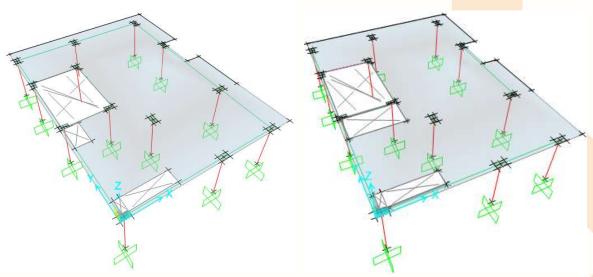


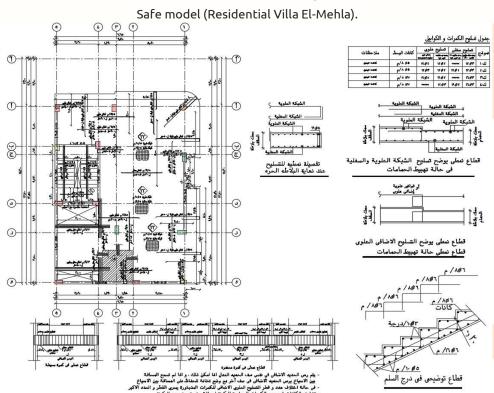
7- VARIOUS STRUCTURAL DESIGNS FOR RESIDENTIAL BUILDINGS IN EGYPT.

ETERNAL | has designed and supervised various residential buildings Scope of work is to design all structural concrete elements in different buildings in compliance with the architectural requirements and to provide a complete technical report with all the calculations including lateral loads as per ECP code.

ETERNAL was responsible for Structural design of projects building, tanks and preparing a technical report & structural drawings for approval.

Structural design for residential villa (El-Mehla).

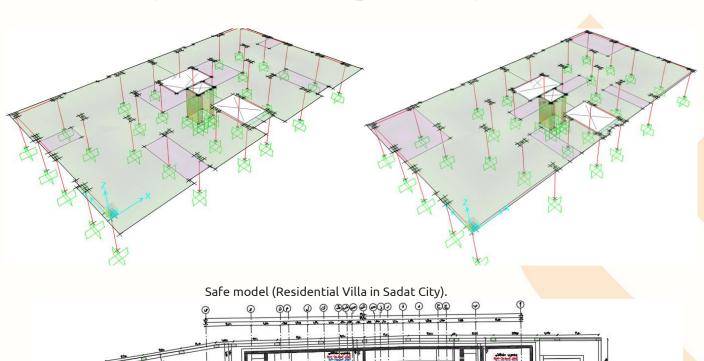


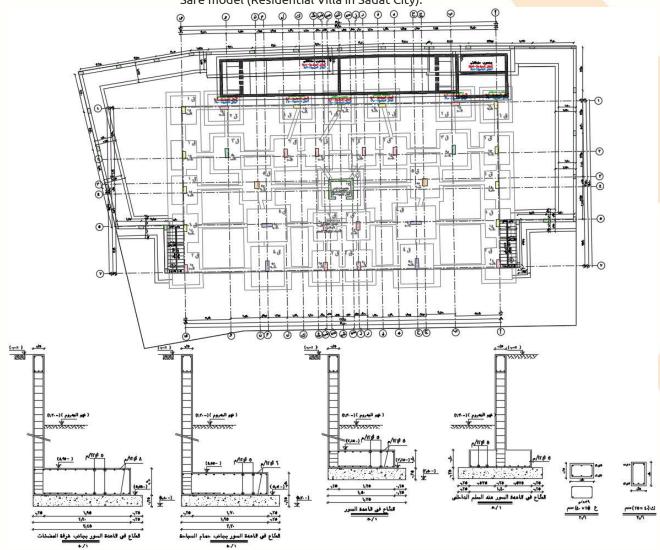


Typical floor plan (Residential Villa in El-Mehla).



Structural design for residential villa Plot 759_Zone 5 (Sadat City).





Typical floor plan (Residential Villa in Sadat City).

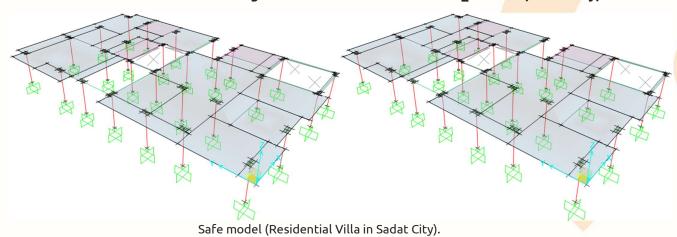




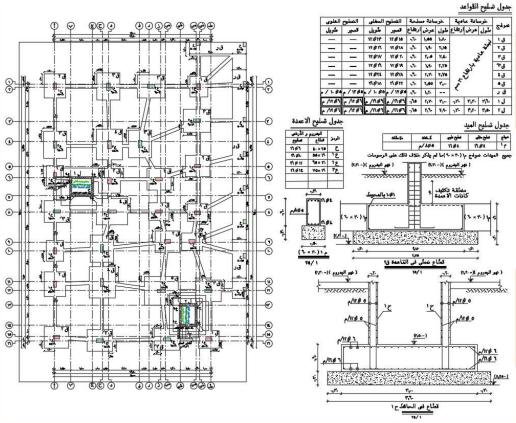


Work Progress for the residential villa.

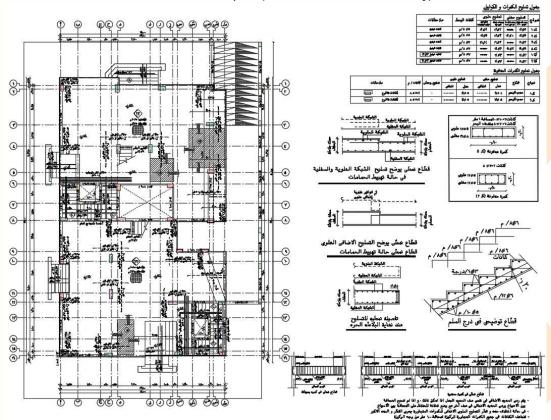
Architectural & Structural design for residential villa Plot 1317_Zone 29 (Sadat City).







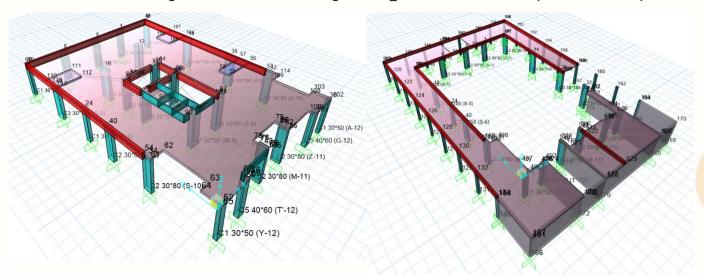
Foundations plan (Residential Villa in Sadat City).



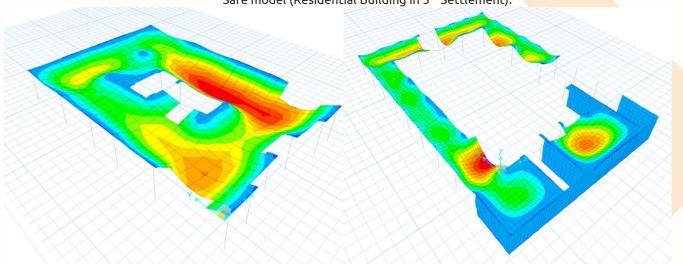
Ground floor plan (Residential Villa in Sadat City).



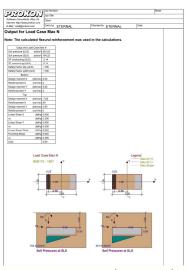
Structural design for residential Building Plot 80_Zone 8 Beet El-Watn (5th Settlement).

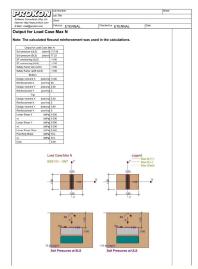


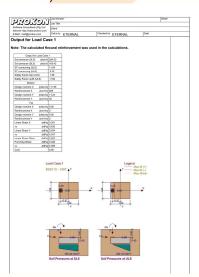
Safe model (Residential Building in 5th Settlement).



Safe Deformed Shape (Residential Building in 5th Settlement).

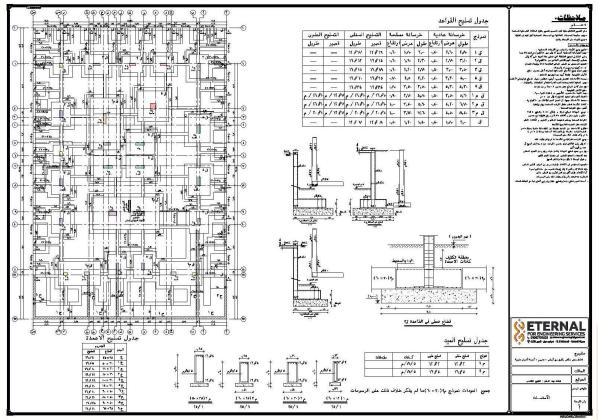




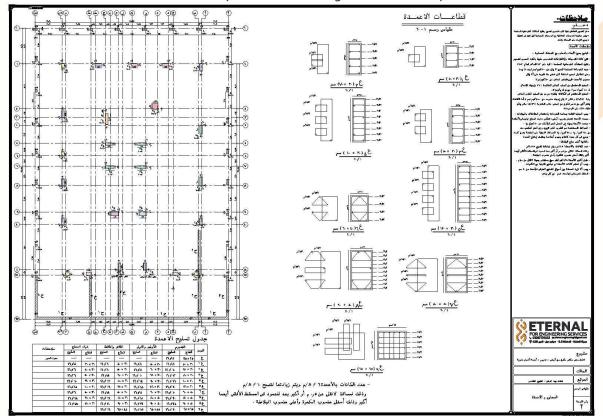


Prokon Foundations Design (Residential Building in $\mathbf{5}^{\text{th}}$ Settlement).





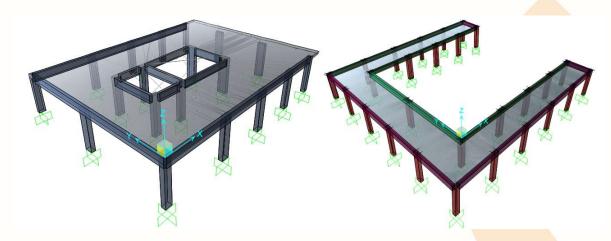
Foundations Plan (Residential Building in 5th Settlement).



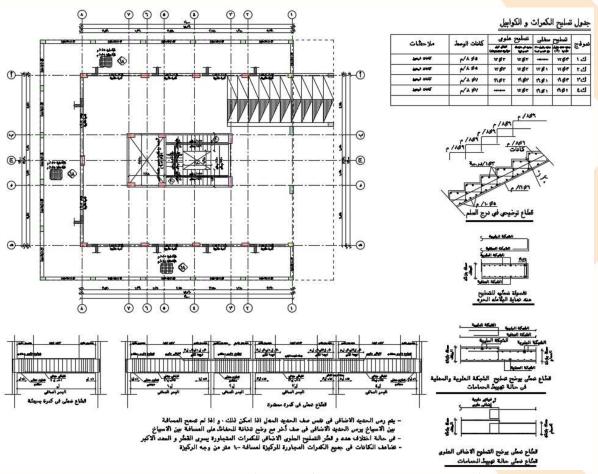
Columns Plan (Residential Building in 5th Settlement).



Architectural & Structural design for residential villa Plot 193_Zone 36 (Sadat City).



Safe model (Residential Building in Sadat City).



Walkway floor plan (Residential Villa in Sadat City).



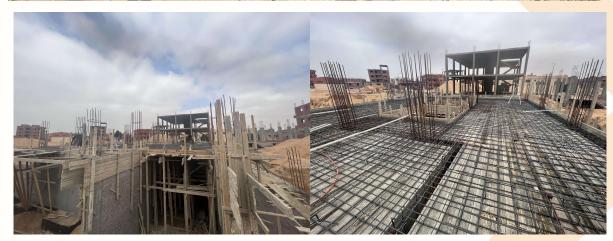














Work Progress for the residential villa.



8- EXTERIOR DESIGN

At our company, we specialize in *Exterior Design*, delivering innovative and functional solutions that stand out in the market. We've completed a wide range of projects, each reflecting our commitment to quality and creativity. Our designs not only enhance the aesthetics of a building but also integrate seamlessly with the surrounding environment.

We take pride in our ability to manage every aspect of the design process, from concept development to detailed execution. Our team provides comprehensive *shop drawings* and *as-built documentation*, ensuring that every project is executed with precision and aligns with the client's vision.

Today, we'll be showcasing some samples of our work, highlighting the diverse range of exterior designs we've accomplished.

Exterior design for a Bank. (Fayoum, Egypt).



Exterior 3D Shot (Bank).





Exterior 3D Shot (Bank).



Exterior 3D Shot (Bank).





Exterior 3D Shot (Bank).

Exterior design for a Hospital. (Fayoum, Egypt).



Exterior 3D Shot (Hospital).





Exterior 3D Shot (Hospital).



Exterior 3D Shot (Hospital).





Exterior 3D Shot (Hospital).

Exterior design for a Mall. (Fayoum, Egypt).





Exterior 3D Shot (Mall).



Exterior 3D Shot (Mall).





Exterior 3D Shot (Mall).



Exterior 3D Shot (Mall).

Exterior design for a residential Villa. (El-Mehla, Egypt).





Exterior 3D Shot (Villa).



Exterior 3D Shot (Villa).





Exterior 3D Shot (Villa).



Exterior 3D Shot (Villa).



Exterior design for Leaves Cafe. (Sadat City, Egypt).



Exterior 3D Shot (Leaves Cafe).



Exterior 3D Shot (Leaves Cafe).





Exterior 3D Shot (Leaves Cafe).



Exterior 3D Shot (Leaves Cafe).





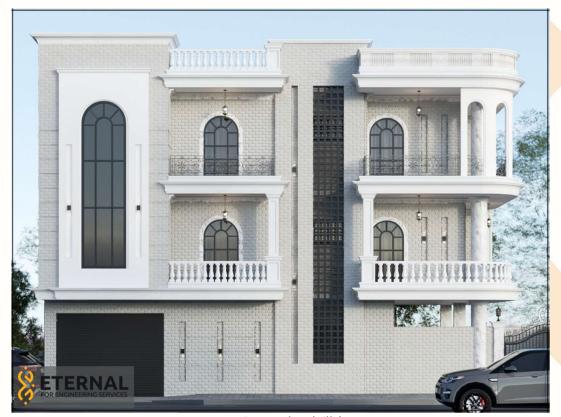
Exterior 3D Shot (Leaves Cafe).



Exterior 3D Shot (Leaves Cafe).



Exterior design for a residential Villa. (El-Mehla, Egypt).



Exterior 3D Shot (Villa).



Exterior 3D Shot (Villa).





Exterior 3D Shot (Villa).



Exterior 3D Shot (Villa).



9- INTERIOR DEISGN.

VILLA V4. (Lake West Compound, Sheikh Zayed, Egypt)

Scope of work is to Provide the following design concept, Rendering Design (Interior 3D Perspectives), Furniture Plans, Flooring Plans, Reflected Ceiling Plans, Lighting Plans, Electricity Plans, Sanitary plans, Internal Elevations and Sections, Technical Details (Sanitary, Electricity, Lighting, Flooring Plans, etc...)



Reception Interior 3D Shot.



Reception Interior 3D Shot.





Reception Interior 3D Shot.



Reception Interior 3D Shot.





Reception Interior 3D Shot.



Reception Interior 3D Shot.





Reception Interior 3D Shot.



Master Bedroom Interior 3D Shot.





Master Bedroom Interior 3D Shot.



Master Bedroom Interior 3D Shot.





Master Bedroom Interior 3D Shot.



Master Bedroom Interior 3D Shot.





Master Bedroom Interior 3D Shot.



Master Bathroom Interior 3D Shot.





Master Bathroom Interior 3D Shot.



Master Bathroom Interior 3D Shot.





Main Bathroom Interior 3D Shot.



Master Bathroom Interior 3D Shot.





Kids Bedroom Interior 3D Shot.



Kids Bedroom Interior 3D Shot.





Kids Bedroom Interior 3D Shot.



Kids Bedroom Interior 3D Shot.



VILLA C47 . (Sodic The Estates, Sheikh Zayed, Egypt)

Scope of work is to Provide the following design concept, Rendering Design (Interior 3D Perspectives), Furniture Plans, Flooring Plans, Reflected Ceiling Plans, Lighting Plans, Electricity Plans, Sanitary plans, Internal Elevations and Sections, Technical Details (Sanitary, Electricity, Lighting, Flooring Plans, etc...)



Reception Interior 3D Shot.



Reception Interior 3D Shot.





Reception Interior 3D Shot.



Reception Interior 3D Shot.





Reception Interior 3D Shot.



Reception Interior 3D Shot.





Master Bedroom Interior 3D Shot.



Master Bedroom Interior 3D Shot.



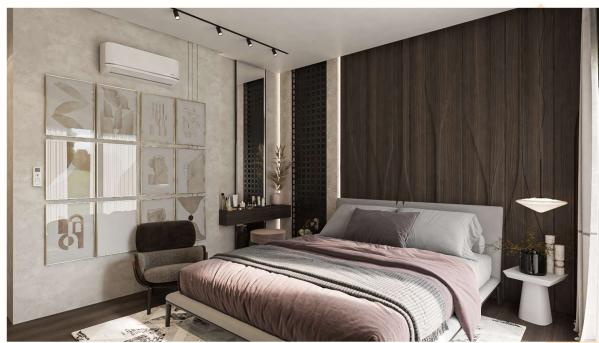


Master Bedroom Interior 3D Shot.



Master Bedroom Interior 3D Shot.





Kids Bedroom Interior 3D Shot.



Kids Bedroom Interior 3D Shot.





Kids Bedroom Interior 3D Shot.



Kids Bedroom Interior 3D Shot.





Kids Bedroom Interior 3D Shot.



Kids Bedroom Interior 3D Shot.





Living Room Interior 3D Shot.



Living Room Interior 3D Shot.





Living Room Interior 3D Shot.



Kitchen Interior 3D Shot.





Kitchen Interior 3D Shot.



Kitchen Interior 3D Shot.



Residential VIlla . (Zone 5, Sadat City, Egypt)

Scope of work is to Provide the following design concept, Rendering Design (Interior 3D Perspectives), Furniture Plans, Flooring Plans, Reflected Ceiling Plans, Lighting Plans, Electricity Plans, Sanitary plans, Internal Elevations and Sections, Technical Details (Sanitary, Electricity, Lighting, Flooring Plans, etc...)



Reception Interior 3D Shot.



Reception Interior 3D Shot.





Reception Interior 3D Shot.



Reception Interior 3D Shot.





Kitchen Interior 3D Shot.



Kitchen Interior 3D Shot.





Master Bedroom Interior 3D Shot.



Master Bedroom Interior 3D Shot.





Master Bedroom Interior 3D Shot.



Master Bedroom Interior 3D Shot.





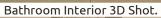
Master Bedroom Interior 3D Shot.



Master Bedroom Interior 3D Shot.









Master Bedroom Interior 3D Shot.





Kids Bedroom Interior 3D Shot.



Kids Bedroom Interior 3D Shot.





Kids Bedroom Interior 3D Shot.



Kids Bedroom Interior 3D Shot.





Living Interior 3D Shot.



Living Interior 3D Shot.





Living Interior 3D Shot.



Living Interior 3D Shot.





Living Interior 3D Shot.



Living Interior 3D Shot.





Kids Bedroom Interior 3D Shot.



Kids Bedroom Interior 3D Shot.





Kids Bedroom Interior 3D Shot.



Kids Bedroom Interior 3D Shot.



Interior design for a reception. (Mehala, Egypt)

Scope of work is to redesign the flat reception, Interior 3D shots and prepare full S.D for the interior design.



Reception Interior 3D Shot.



Reception Interior 3D Shot.



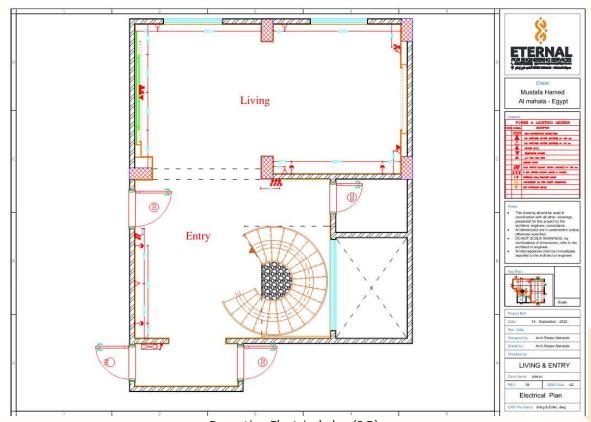


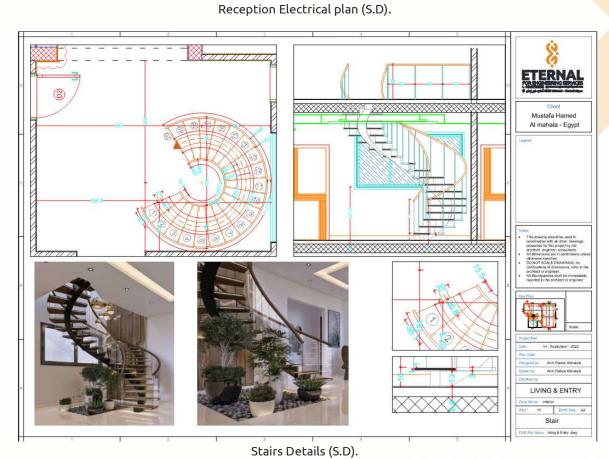
Reception Interior 3D Shot.



Reception Interior 3D Shot.









Interior design for Leaves Cafe. (Sadat city, Egypt)

Scope of work is Interior design for the Cafe and to prepare shop drawings for the interior design details.



Interior 3D Shot.



Interior 3D Shot.





Interior 3D Shot.



Interior 3D Shot.



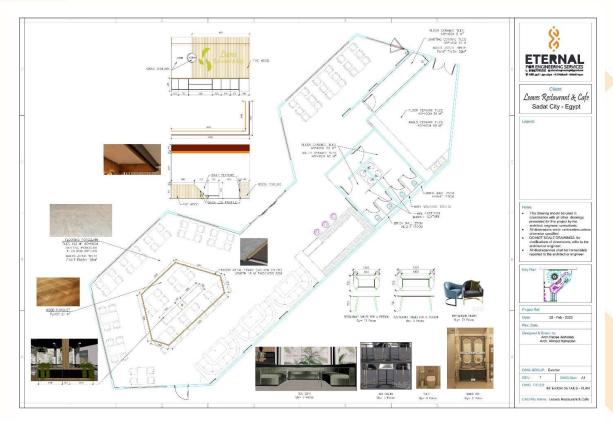


Interior 3D Shot.

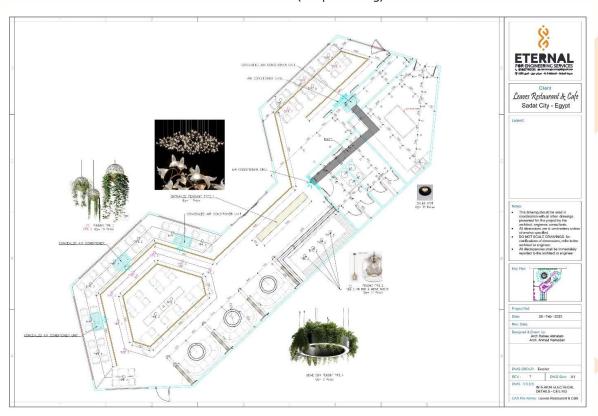


Interior 3D Shot.





Interior Details (Shop Drawing).



Ceiling Electrical Details (Shop Drawing).



Interior design for Administration Building (CEO Office). (Sadat city, Egypt)

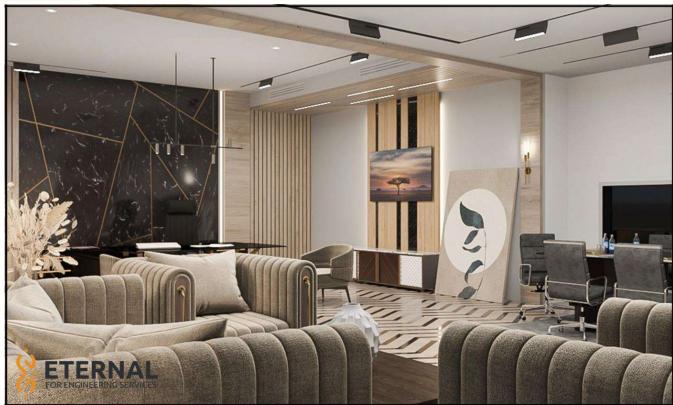


Interior 3D Shot.



Interior 3D Shot.





Interior 3D Shot.



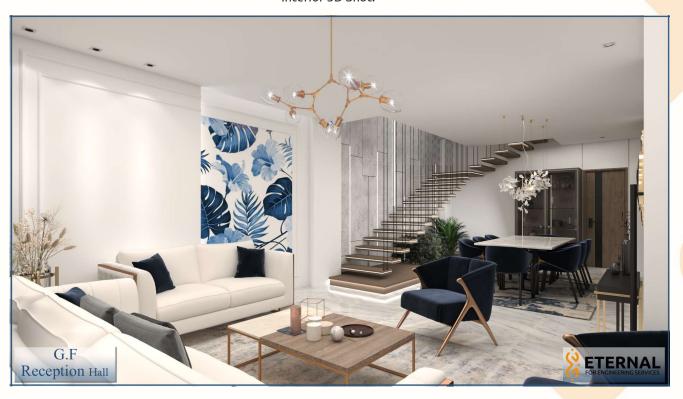
Interior 3D Shot.



Interior design for duplex apartment. (Sadat city, Egypt)



Interior 3D Shot.



Interior 3D Shot.





Interior 3D Shot.



Interior 3D Shot.





Interior 3D Shot.



Interior 3D Shot.