

Holds a B. Sc. in Civil Engineering and has over 9 years hands-on experience working in structural design for many residential, industrial and commercial projects in Egypt and Oman.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 01/01/1986
Gender : Male
Residence : Alsalam District, Cairo

EDUCATION

: B. Sc. in Civil Engineering, Cairo University, 2009

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet
: AutoCAD
: Prokon
: Etabs
: Hilti Profis
: SAP 2000
: Safe
: Geo5
: Revit

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Sep. 2013 till now
Employer : M.A Design Architectural Consultations, Al Khuwair - Muscat
Job Description :

- Preparation of the structural analysis of the 3000 m2 mosque using a 30 m long frames designed to carry a 13 m dome, analyze the impact of earthquakes and wind on a minaret of 50 m height.
- Design Commercial building consist of 2 stories hydraulic garage + 6 stories offices. The building conditions made it necessary to use counterfort wall to retain loose soil at a depth of 10 m and use secant piles to protect the neighbour from deep excavation.

- Design the main administrative building of the Ministry of Electricity (MEDC) and coordinate with the other engineering departments of the project to ensure that the building provides all its technical requirements.
- Several high-rise buildings (11 stories) have been analyzed, designed by Etabs considering response spectrum analysis, wind load effect, stiffness modifier for cracked section and perform optimum design according to UBC97-ACI.

Dates : From Jun. 2012 till Sep. 2013

Employer : Al Qarshoobi Engineering Consultancy, Al Khuwair - Muscat

Job Description :

- Perform check for culvert consist of 64 cells by studying the effect of moving load of trucks, earth pressure and water pressure in different conditions.
- Design Oil station Al Sarooj considering the fire resistance of concrete in analysis, design of structure and checking the foundation of car left due to dynamic load.
- Supervising the construction works of the compound villas to ensure the implementation of the work at a high level of quality. Inspection, including sampling, testing it ensure that the completed works comply with the specifications and the drawings.
- Preparing the design, the detailed drawings for hotel consists of 3 basements + 8 floors. Due to the architectural conditions, we used PT slab to support 6 stories considering wind, seismic impacts and other factors according to UBC1997.

Dates : From Aug. 2009 till May 2012

Employer : Miser Contraco, Cairo

Job Description :

- Analysis and design various types of reservoirs of hydraulic structures. It has been varying between underground, on grounds and overhead tanks with capacities up to 10.000 m3.
- Design of 10 buildings, each building consists of 14 floors, study the environmental impacts on buildings such as winds, earthquakes using Etabs and design according to Egyptian specifications.
- Design of Aldemery Factory in 10th Ramadan over 5000 m2 using built up steel sections in main portal frame and cold formed steel sections in side girts of purlins.
- Supervision on El Rowaey Mall located in downtown in Cairo, structural system consists of raft over pile and secant pile wall to retain neighbour. Overseeing the actual construction on the ground, monitoring resources and maintaining progress against budgets.
- Engineering investigation of an existing building of National Bank of Egypt, identification of weaknesses in the building and repairing it using rebar, steel sections, shot-crete.

Field of experience :

- Expertise in technical office and designing in the field of building construction with proven track record of involvement in diverse projects.
- Proficient in the field of structural design. Fully familiar with the international codes of construction (ACI - BS - EUROCODE - UBC).
- Monitoring design errors and stop their re-occurrence.
- Analyze configurations of the basic components of a structure, calculate the pressures, stresses and strains for each element.

- Preparation of drawings, specifications and structural model of the building.
- Work with Geotechnical Engineers to investigate ground conditions and analyze results of soil sample in situ tests.
- Examine structures at risk of collapse and advise how to improve their structural integrity, such as recommending removal or repair of defective parts or rebuilding the entire structure.
- Liaise with other Designers, including Architects, to agree on safe designs and their fit with the aesthetic concept of the construction.