

Holds B. Sc. and M. Sc. in Structural Engineering and has about 12 years hands-on experience working in the fields of design of RC/Steel Structures, Workshop drawings of Bridges & Buildings.

PERSONAL DATA

Nationality : Egyptian
Gender : Male
Residence : New Cairo

EDUCATION

: B. Sc. in Structural Engineering, Ain Shams University, 2005
: M. Sc. degree, 2012
: PhD student

LANGUAGES

Arabic : Native Language
English : Good
French : Basics

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet
: AutoCAD
: CSI programs (Sap, Etabs, Safe & CSI Column)
: Ansys
: Abaqus
: Midas Gen
: Staad Pro
: Revit

TRAINING COURSES AND CERTIFICATIONS

: I studied these Courses in the M. Sc. & PhD:
• Finite element method.
• Earthquakes and wind engineering.
• Soil dynamics.
• Concrete durability.
• Wall bearing systems.
• Strengthening and Repair of RC structures.
• Strut and Tie method.

- Statistics.
 - Engineering Economics.
 - Risk and Safety Management.
 - Tall Buildings.
 - Advanced Composite Materials.
- : English Proficiency Test "TELP": I got 572 out of 677.
- : TOEFL ibt: I got 74 out of 120.

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From 2016 till now
- Employer** : NECB – Prof. Dr. Farouk Elkadi Consulting Office
- Job title** : Senior Structural Engineer
- Job Description** :
- Preparing & revising the workshop drawings for the RC buildings (Footings, Tie beams, Columns Stairs, Ramps and Slabs) including the bending bar list in project of El-Sadat University.
 - Preparing & revising the workshop drawings of all the elements of the RC bridges (Piles, Footings, Piers, Abutment, Box Girders, Diaphragms, Precast Girders, Tunnels, Transition Slabs & Decks) in many projects like:
 - 26 July Corridor widening of 11 m in the right & left Bridges.
 - 30 June Corridor (Elmahsama Bridge, Teraa Ismailia Bridge & South Port Said Bridge and 2 Bridges crossing over Elhussynia drainage and Elsalhyia canal).
 - Elkhataatba Bridge crossing over the Nile river.
 - Elferdan South Bridge - Port Said.
 - Elferdan North Bridge - Ismailia.
 - Banhaa Bridge on Nile + Tunnel Kafr Saad.
 - West Airport Bridge project + Tunnel in Elkalubia.
 - Tamalay – shbeen Elkom Link (Teraa Shabsheer Bridge + Teraa Elsabeel Bridge + Drainge Sabal bridge).
 - Adly Mansour Corridor in Beni Suef.
 - Some design checks on the bridge elements such as slabs, new jersey and X-Diaphragms, etc.
 - Repair (evaluation + report) for 3 bridges on the Coastal International Road (Almattar + Eladoua + Damyatt).
 - Site Engineer (Quality Control + Document Controller) in the project of New Extension of Cancer Hospital 57357 (outpatient Building) - stage of constructing diaphragm wall panels of depth up to 32 m (in corporation with ACC, Baur & Fressini) companies. The quality control was on the ready mix concrete + fresh & treated bentonite slurry + depth & steel cages + ultrasonic tests.

- Dates** : From 2014 till 2015
- Employer** : KCEG – Prof. Dr. Mostafa Elkafrawy Consulting Office
- Job title** : Structural Design Engineer
- Job Description** :
- Design Mantrack RC administration building for in State of Ghana fulfilling the design requirements of code EC2-2004 on the following checks (Simple bending, shear of beams, punching of flat slab, deflection, columns capacity).

- Design a new RC extension in Aljazeera Plaza project in 6th October City - Egypt.
- Design a Steel Factory included many Cantilever long columns (8.5 m height) and supporting 40 ton moving crane load.
- Check on the proposed design of all steel elements in Fridal Steel warehouse at Beni Suef City - Egypt.
- Experience in shop drawings of RC elements (Slabs, beams, Columns and Retaining Walls). I implemented many workshop drawings for project "East town - Sodic" in New Cairo beside AUC.
- Design a retaining wall of 3.5 m height for new Extension at Alex.-Desert Road.
- Design and preparing both of calculation sheets & BOQ of Steel Warehouse for Al Safa Oil Extraction Factory to store Soya beans with beans pressure height 4 m.
- Check on proposed sections (plates, beams, struts) and preparing a calculation sheets of a Steel Barrel Tank (200 tons oil storage) for Al Safa Oil Extraction Factory.
- Redesign of Ground and First floors in a residential building in Palm City on Ring road after changes in the interior architectural design.

Dates : From 2010 till 2013
Job Description : Concentrating in getting of the M. Sc. Degree and implementing the teaching tasks and some private works.

Dates : From 2008 till 2009
Employer : Okoplan Office in Masaken Sheraton
Projects :

- Design units of compound (Tellal El Alameen) at North Coast
- Design units of compound (Stone Park) at New Cairo
- Design units of compound (Telal Elsokhna) at El Ain El Sokhna
- Design an administration building in Sharm El-Sheikh City

Job title : Structural Design Engineer

Dates : From 2005 till 2006
Employer : Dr. Saleh Mekawy Consulting Office
Job title : Structural Design Engineer
Job Description : I have designed (2) tall buildings in Heliopolis, (2) villas and (2) residences.

Dates : From 2006 till now
Job Description : I was appointed as a Teaching Assistant in the Structural Engineering Department at Ain Shams University.

My own Private Works:

- Design & Construction of villa on 90th street in New Cairo.
- Design a villa in Narges - New Cairo.
- Design a residential building in Nasr City.
- Design a villa in Katamya Dunes - New Cairo with halls composed of paneled beams & two way hollow blocks.
- Design a residential building consists of 6 floors in El-Lotus - New Cairo (applying lateral load analysis).

- Check on proposed sections for arched steel beams, rings, struts to support dome of span 7.20 m and height of 1.25 m in a masjid carrying 100 kg/m² ceiling weight.