

105153-CVL-CDE-E-2013

Structural Design Engineer

Holds B. Sc. in Civil Engineering and Master degree in Material Dept. Has over 7 years hands-on experience working as Site, Technical Office and Structural Design Engineer. Has very good experience in design and strengthening of different structural buildings.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 01/01/1991
Gender : Male
Marital Status : Married
Residence : Zagazig

EDUCATION

: B. Sc. in Civil Engineering, Obour Academy for Engineering and Technology, 2013
: Master degree - Material Dept. - Zagazig University
: PhD Student - Material Dept. - Zagazig University

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet

TRAINING COURSES AND CERTIFICATIONS

: Post Tensioning slab design Course.
: Structural Strengthening Design (Rehabilitation) using Carbon Fiber Reinforced Polymers (CFRPs).
: Repair and Strengthening of Buildings, Dr. Mahmoud Al-Sakkar.
: Steel Structure design, Level I, Dr. Eliya Henin.
: Steel Structure design, Level II, Dr. Eliya Henin.
: ANSYS
: SAP 2000
: ETABS
: SAFE
: CSI COLUMN
: PROKON

- : CAST
- : RAM CONCEPT
- : MIDAS GEN
- : MIDAS DESIGN
- : REVIT STRUCTURE
- : AutoCAD 2D
- : AutoCAD 3D
- : NANOCAD 2D
- : Quantities Estimation & shop drawing.
- : Architectural Design.
- : MS Project
- : Professional Site Engineer Diploma "Eng. Hassan Kandel".
- : Professional Survey Engineer Diploma "Total Station, Theodolite and level staff".
- : Trained at "Hany Bakir Company" project of "Repairing Alahrar hospital" at Zagazig City (2009).
- : Trained at "Hany Bakir Company" project of "Construction Shipa School" at Zagazig City (2010).
- : Trained at "Hany Bakir Company" project of "Construction a School" at 10th of Ramadan City (2011).
- : Trained at "Hany Bakir Company" project of "Construction Sinita School" at Zagazig City (2012).
- : Structural and Architectural Design of a lot of building and Construction a lot of building.
- : MKCL`s International Certificate in Information Technology.
- : TOEFL Review Course with a general score 563.

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Feb. 2022 till now
- Employer** : Gulf Consulting Group
- Job title** : Structural Design Engineer
- Job Description** :
- Design of Doha Winter Wonderland (Beach Club building), Consist of (3) parts with total area 4600 m2.
 - Design of Doha Winter Wonderland (R3 building), Consist of (2) stories with area 700 m2.
 - Design of Doha Winter Wonderland (R3.1A building), Consist of (2) stories with area 700 m2.
 - Design of Doha Winter Wonderland (R3.1B building), Consist of (2) stories with area 700 m2.
 - Design of a villa for Shk. Khalid Fahd Al Thani, Consist of (3) stories with area 900 m2, Out Block and Gate.
 - Design of (4) underground Tanks.

- Dates** : From Jan. 2017 till Feb. 2022
- Employer** : Expertise House "Nile Engineering Consultant Bureau" - Prof. Dr. Eng. Farouk Al-Kadi's Office
- Job title** : Structural Design Engineer

- Job Description** :
- Design of Administrative building of Burj Al Arab Mills, Consist of (8) stories with area 1500 m2.
 - Design of Three (3) underground tanks Project of Construction of El-Sadat University.
 - Design of a tower consist of (12) stories with area 2500 m2.
 - Participating in Design of Hadaiq El-Maadi Metro Station Mall.
 - Design of two underground Tanks 10th of Ramadan Youth Center with Volume 420 m3 and 630 m3.
 - Design of 30 June Tank for Al-Salam International Company for Construction.
 - Design of faculty of Dentistry building of El-Sadat University, consist of one basement and (4) stories with area 10000 m2 and participating in Design other structural elements.
 - Design of faculty of Engineering building of El-Sadat University, consist of one basement and (4) stories with area 8000 m2 and participating in Design other structural elements.
 - Design of faculty of Education building of El-Sadat University, consist of one basement and (4) stories with area 7000 m2.
 - Design of Administrative building of ALUMIL factory consist of (4) story with area 500 m2.
 - Design of underground Tank Project of Construction of ALUMIL factory with Volume 800 m3.
 - Design of underground tank Project of construction of SAQULTA Hospital with Volume 650 m3.
 - One of the team work which design BADR DEPOT project of construction of (LRT) 10th of Ramadan Railway - the project consists of a fence and (29) buildings.
 - One of the team work which design El-obour mall consists of one basement with area 17000 m2 and (3) stories. The project consists of:
 - PLAZA with area 9000 m2.
 - BUILDING (1) consists of (4) stories with area 3500 m2.
 - BUILDING (2) consists of (4) stories with area 1000 m2.
 - BUILDING (3) consists of (4) stories with area 3500 m2.
 - One of the team work which design Almaza mall consists of one basement with area 13650 m2 and (3) stories. The project consists of:
 - PLAZA with area 10500 m2.
 - BUILDING (A) consists of (3) stories with area 100 m2.
 - BUILDING (B) consists of (3) stories with area 550 m2.
 - BUILDING (C) consists of (3) stories with area 500 m2.
 - BUILDING (D) consists of (3) stories with area 500 m2.
 - BUILDING (E) consists of (3) stories with area 400 m2.
 - BUILDING (F) consists of (3) stories with area 300 m2.
 - BUILDING (G) consists of (3) stories with area 200 m2.
 - BUILDING (H1) consists of (3) stories with area 300 m2.
 - BUILDING (H2) consists of (3) stories with area 400 m2.
 - BUILDING (F) consists of (3) stories with area 300 m2.
 - One of the team work which design East Port Said GRAIN Silo.
 - Design of SHERATON mall consists of (2) basements and (6) stories with area 7500 m2.
 - Design of Helmia tower consists of (10) stories with area 400 m2.
 - Design of Al-FOSTAT TOWER (1), consists of one basement and (12) stories with area 900 m2.

- Design of AI-FOSTAT TOWER (2), consists of one basement and (12) stories with area 850 m2.
- Re-design and strengthening of AI-FOSTAT TOWER (3), consists of one basement and (12) stories with area 1000 m2.
- Re-design and strengthening of AL-FOSTAT TOWER (4), consists of one basement and (12) stories with area 1000 m2.
- Design of AL-MINIA CLUB building, consists of (2) stories with area 1250 m2.
- Design of MIDOR tower consists of (2) basements and (8) stories with area 6500 m2.
- Design of MABARA HOSPITAL at Alexandria consists of one basement and (4) stories with area 900 m2.
- Design of QAHA HOSPITAL, consists of (3) stories with area 700 m2.
- Design of FAGALA tower, consists of one basement and (11) stories with area 900 m2.
- One of the team work which Re-design and strengthening of SPA Boutique hotel at sahl hasheesh red sea, consists of one basement and (2) stories with area 4000 m2.
- Design of Chill out flying Restaurant, consists of (4) buildings with (2) stories connected with (3) steel bridges.
- Design of AUC MALL, consists of (2) Basements and (5) stories with area 7200 m2.
- Design of MAXIM MALL (1), consists of (1) Basement and (5) stories with area 2500 m2.
- Design of MAXIM MALL (2), consists of (1) Basement and (5) stories with area 3500 m2.
- Design of Roxy MALL, consists of (1) Basement and (2) stories with area 3800 m2.
- Design of ABB MALL, consists of (1) Basement and (5) stories with area 18000 m2.
- Re-design of Ramadan metro station 10th of Ramadan Railway Project with area 9000 m2.
- Re-design of Industrial park metro station 10th of Ramadan Railway Project with area 9000 m2.
- Re-design of Quisna GRAIN Silo.
- Re-design of Toukh Al-Qaramous GRAIN Silo.
- Re-design of Nazlet El-Khayyal GRAIN Silo.
- Design of EL REHAB MALL BUILDING (D) in 5TH settlement, which consist of (1) basement and (5) stories with a total area 2500 m2.
- One of the team work which design SAJA (01) EXTENSION MALL, which consist of (1) Basements and (4) stories with area 11500 m2.
- One of the team work which re-design SAJA (02) MALL, which consist of (1) basement and (6) stories with area 24000 m2.
- One of the team work which design SAJA (03) MALL, which consist of (1) basement and (5) stories with area 15500 m2.
- One of the team work which design ALMOSHEER AXIS MALL, which consist of (1) Basements and (4) stories with area 7200 m2.
- Design of a lot of other underground Tanks.
- One of the team work which design a lot of other projects.
- One of the team work which re-design and strengthening a lot of other projects.

Dates : From Apr. 2016 till Oct. 2016
Employer : Sun Office
Job title : Technical & Site Engineer

Dates : From Nov. 2015 till Apr. 2016
Employer : Refaat Contracting
Job title : Technical & Site Engineer

Dates : From Feb. 2015 till Jul. 2015
Employer : Marouf-Hegazi Office
Job title : Structural Design Engineer

Dates : From Dec. 2014 till Jan. 2015
Employer : Hany Bakir Company
Project : Construction Nishwa School at Zagazig
Job title : Site Engineer

Research Experiences:

Participated in publishing many scientific research papers such as:

- Experimental and numerical evaluation of compression confinement techniques for HSC beams reinforced with different ratios of high strength steel reinforcement.
- Strengthening RC beams contain opening with several techniques: Numerical study.
- Effect of drilling geometry on the behaviour of RC beams strengthened with CFRP laminates.

Further experiences : Work Freelance as a Structural and Architectural Design Engineer:

- Structural and Architectural Design for more than (50) buildings and Construction a lot of these buildings.
- Making Shop Drawing for many of these buildings.
- Structural Design of Bin Khaldoun Mosque at Kingdom of Saudi Arabia with area 2000 m2.
- Structural Design of a Mosque at Al Mazrouah Qatar with area 1200 m2.
- Structural Design of Tower, consists of (10) stories and (3) basements with area 3500 m2.
- Structural Design of Faculty of Science and Arts building King Abd el-aziz University and making shop drawing for it with area 1500 m2.
- Re-design and Strengthening of a building at Kingdom of Saudi Arabia, consists of (5) stories with area 250 m2.
- Making Shop Drawing for project of construction (8) buildings at Al-Salam City, consists of 6 stories with area 700 m2.
- Quantities Estimation for project of construction (8) buildings at Al-Salam City, consists of (6) stories with area 700 m2.
- Making Time schedule for project of construction (8) buildings at Al-Salam City, consists of (6) stories with area 700 m2.
- Structural Design of a villa at Obour City, consists of one basement and (3) stories with area 275 m2.

- Structural Design of administrative and stores building at Al-Amal City, consists of one basement and (5) stories with area 1500 m2.
- Structural Design of a villa, consists of (4) stories with area 150 m2.
- Structural Design of a villa at El-Andalos 5th Settlement, consists of one basement and (4) stories with area 500 m2.
- Structural Design of a villa at El-Andalos 5th Settlement, consists of one basement and (4) stories with area 1000 m2.
- Structural Design of La Verde New Capital Towers, consists of two towers each tower consist of one basement and (10) stories with area 1500 m2.
- Structural Design of OBOUR STORE building, which consist of (1) Basement and (4) stories with area 4000 m2.