

106099-CVL-D-E-2006
Civil Structural Design Team Leader Engineer

Holds a B. Sc. in Civil Engineering (Structural Dept.) and has over 15 years hands-on experience working mainly in design field.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 08/04/1983
Gender : Male
Marital Status : Married
Residence : Nasr City, Cairo

EDUCATION

- : B. Sc. in Civil Engineering (Structural Dept.), Ain Shams University, 2006
- : King Abdulaziz Secondary School, Abha, Saudi Arabia, 2001

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

- : Windows, MS Office (Word, Excel, Power Point), Internet
- : AutoCAD
- : CSI programs: SAP 2000, SAFE and ETAB
- : PCA Column
- : PROKEN
- : STAAD Pro
- : Rebeam
- : MIDAS-CIVIL

TRAINING COURSES AND CERTIFICATIONS

- : Primavera Project Planner (Ain Shams University) (Apr. 2006).
- : SAFE, ETABS, STAAD (Ain Shams University) (Feb. 2006).
- : Training at Arab Contractors (Othman Ahmad Othman) (Jul. 2005): Participated in the construction of a storage building and central office for Al-Azhar University. Get good background in field work in general as well as other tasks such as quantity counting, reinforcement, different isolation types and finishing.
- : SAP analysis tool (Dr. Atef Eraki Office, Zagazig) (summer 2005).

- : AutoCAD Drawing tool (Dr. Atef Eraki Office, Zagazig) (summer 2004).
- : Training at The Arabian Office for Engineering Consultation (Aug. 2004): Passed through different design stages of concrete structures, as well as quality assurance of concrete mixture. Also, used AutoCAD tool to draw deliverable drawings.
- : Training at Arab Contractors (Othman Ahmad Othman) (Jul. 2004): Summer Training in Gesr El-Suez training center. Get good background in Paint works, Electrical connection and Water supply.
- : Training at The Arabian Office for Engineering Consultation (Jul. 2003).

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Jun. 2019 till now
- Employer** : Madkour (EPC) Group – Engineering, Procurement, Construction
- Projects** :
- Installing tasks for medium and low voltage networks and general site lighting for the residential district project in the New Administrative Capital (R1, R2 and R6) – The Owner - The Administrative Capital for Urban Development Company – ACUD
 - Highways lighting project with 30 m high mast - This is the first project of its kind in Egypt (Suez Road, Ismailiyah Road and Ring Road) – The Owner - Engineering Authority of the Armed Forces
 - Construction of new SARAI 220/22KV GIS SUBSTATION – The Owner - Madinet Nasr for Housing and Development
 - Establishment of a power plant with photovoltaics (P.V.) on rooftop of ALKAYAN buildings – The Owner - Engineering Authority of the Armed Forces
 - Installing tasks for medium and low voltage networks and general site lighting for Taj City and Sarai S1 & S2 – The Owner - Madinet Nasr for Housing and Development
 - Establishing the city of Galala - the service avenue – The Owner - Engineering Authority of the Armed Forces
 - Construction of new 66-22KV GIS SUBSTATION FOR MOHAMED NAGIB MILITARY BASE – The Owner - Engineering Authority of the Armed Forces
 - Construction of new ELDABAA SUBSTATION 220/66/22KV GIS SUBSTATION BASE – The Owner - MINISTRY OF ELECTRICITY & RENEWABLE ENERGY MINISTRY EGYPTIAN ELECTRICITY TRANSMISSION COMPANY (EETC)
 - South Valley development project for the Toshka region by Construction of Pump Stations – The Owner - The National Company for the reform and cultivation of desert areas
- Job title** : Civil Structural Design Team Leader Engineer (act as Section Head)
- Job Description** :
- The responsibility of the civil department as part of the Madkour Group responsibility is to deliver projects as a turnkey, so, I have been participated in most of projects activities beside the main job which that was assigned to me.
 - Participation in the technical tender specification for electrical substations.
 - Make full conceptual civil design and estimated BOQ for seawater reverse osmosis (SWRO) desalination plant for ABO REDIS 15,000 m³/day EXTENADABLE TO 30,000 m³/day and TABA-SWRO

5,000m³/day EXTENADABLE TO 10,000 m³/day.

- Make full shop drawing for New Capital International University CIU.
- Make a site investigation for several types of buildings and submit assessment reports.
- Helping to find inexpensive practical solutions to some unexpected problems on the site.
- Scope of main job (Civil Structural Design Team Leader – Section Head):
 - Assign the work in the unit to the unit members.
 - Schedule all the activities in unit.
 - Monitor projects milestones and ensure delivery of services on time as scheduled.
 - Oversee the design work ensuring highest standard.
 - Evaluate, monitor and improve the productivities of personnel by introducing new approaches to the design process.
 - Implement and maintain a coordinated and consistent filing system for his unit's work.

Dates	:	From Mar. 2008 till Jun. 2019
Employer	:	Arab Consulting Engineers (A.C.E.)
Job title	:	Structural Design Engineer
Job Description	:	<p>Structural analysis, design and workshop detailing for different structures in different projects such as:</p> <ul style="list-style-type: none">• Greater Cairo Metro Line 3 Phase 4B: Review and approval of shop drawings, prepared by many Contractors and Consulting.• The new Grain Terminal in Aqaba Port – Jordan: Full design and preparing structural drawing.• ADERA-PHASE 1 & 2 in Cairo: General review and write the comments on the structural design for diff. buildings.• KUWAIT CANCER CENTER in Kuwait: Full design and preparing structural drawing.• GAMSHA BAY in Egypt (Red Sea Coast): Full design and preparing structural drawing.• AMWAJ TOWERS in Dubai, U.A.E.:<ul style="list-style-type: none">- Dimensioning and preliminary design calculation for super structures and podium.- Preliminary design for raft and piles.• Golden Pyramids Plaza Project (City Stars) in Egypt:<ul style="list-style-type: none">- Design and prepare modifications of some parts.- Review the design prepared by main designer (Cassia & ass.).- Review and approval of shop drawings and as-built.• Abu Rawash Wastewater Treatment Plant in Egypt: Full design and preparing structural drawing for some units.• HELIOPOLIS CHEMICAL INDUSTRIES in Cairo: Full design for Administrative diff. buildings and make workshop DWG.• GRAND EGYPTIAN MUSEUM in Egypt: Full design and shop drawing for the Travelator & Menkaure Stair.• Abo Zabel Chemical Industries, Cairo: Design and production of construction drawings for some building and also review shop drawings prepared by contractor.• Construction of Residential Units in Libya: Full design and preparing

- structural drawing.
- Naga Hammadi Bridge in Egypt: Full design and preparing structural drawing.
- Alfalah Community Underpass, Abu Dhabi: Full design and preparing structural drawing.
- El-Salam International Hospital in Cairo:
 - Design and prepare modifications of some parts.
 - Check the safety of the structural elements that will have a different usage, and receive additional loads and additional equipment, which they were not designed for.
- KAFR SHOKR WATER TREATMENT PLANT in Egypt: Full design and preparing structural drawing for some units.
- Practical implementation of the intersection of Fourth Ring Road with Jabal-Thour Road in Makkah Al-Mokaramah in KSA: Auditing for the design drawings and calculation sheet and redesign calculation with some modification.
- Private Projects (Egypt & KSA): Analysis and design all structural elements and production of detailed construction drawings.

Dates	:	From Dec. 2017 till Dec. 2018 (part time)
Employer	:	Canadian KS-PRECAST Designs Consultants
Job title	:	Civil Structural Design Engineer
Job Description	:	<p>(1) Create 2-D and 3-D models, (2) Design all infrastructure elements, (3) Make sure that the project is in accordance with Canadian codes, project specifications & time schedule and (4) Preparing drawings with full details.</p> <ul style="list-style-type: none"> • Participation in the full structural analysis and design for many of different transportation infrastructure such as bridges, culverts, chambers, manholes and retaining walls. With utilize the latest codes, manuals and state of the art software to produce safe and cost-effective designs that conform to the Canadian Highway Bridge Design Code and MTO. • Study the new Codes (Canadian Highway Bridge Design Code S6- 14) and make design excel database and template modeling's for different submittals. • Evaluate, monitor and improve the productivity of personnel by introducing new approaches to the design process. • Some Highlights Projects aren't limited: <ul style="list-style-type: none"> - Manhole Chamber, 3600mm x 3000mm, Ontario. - Stone Strong Block Retaining Wall, Concession 6 South, Township of Wellington North, Ontario. - Stone Strong Block Retaining Wall, Storm Sewer Improvements, Township of Gravenhurst, Muskoka, Ontario. - Manhole Chamber, 2400mm x 1800mm, Ontario. - Stone Strong Block Retaining Wall, Floradale Road Culvert Replacement, Township of Woolwich, Ontario. - Stone Strong Block Retaining Wall, Upper James Storage, Hamilton, Ontario. - Box Culvert, 2400mm x 1800mm Culvert Replacement, Ministry of Transportation, Township of Kendrey, Ontario. - Box Culvert, 4200mm x 2700mm Culvert Replacement, Ministry of

- Transportation, Township of Dahl, Ontario.
- Meter Chamber, 6000mm x 2400mm, Ontario.
- Stone Strong Block Retaining Wall, Pfaff Subaru, Guelph, Ontario.
- Valve Chamber, 3900mm x 2400mm, Township of Gorham, Ontario.
- Manhole Chamber, 3900mm x 3000mm, George Street Sewage Pumping Station, Township of Selwyn, Ontario.
- Box Culvert, 3000mm x 2400mm and 4500mm x 1800mm, Link 427, Toronto, Ontario.
- Manhole Chamber, 2400mm x 2400mm, York Street, London, Ontario.
- Septic Tank, 3000mm x 6150mm, Wesley Acres, Ontario.
- Valve Chamber, 3000mm x 2700mm, Toronto, Ontario.
- Stone Strong Block Retaining Wall, Bleams Road, Township of Wilmot, Ontario.
- Stone Strong Block Retaining Wall, Millpond Condominiums, John Pound Road, Tillsonburg, Ontario.
- Flat Cap, 1500mm Diameter Custom Curb Inlet Flat Cap, Ontario.
- Stone Strong Block Retaining Wall, Chillico Run Block 135, Guelph, Ontario.
- Stone Strong Block Retaining Wall, Glendon Drive and Tunks Lane, Komoka, Ontario.
- Manhole Chamber, 1200mm x 1600mm, Loyalist Solar Farm, Ontario.
- Flat Cap, 2400mm x 3000mm, Birnam Excavating Ltd., Ontario.
- Manhole Chamber, 3600mm x 2400mm, Echelon Environment, Ontario.
- Box Culvert, 3600mm x 6150mm Septic Tank, Belleville, Ontario.
- Stone Strong Block Retaining Wall, Former Gurney Lands Outlet Designs, Paris, Ontario.
- Box Culvert, 2400mm x 1800mm SWM Outlet System, Saugeen Shores, Ontario.

Dates : From Nov. 2016 till Nov. 2017 (part time)

Employer : Jawda Engineering Consultants (J.E.C.)

Job title : Structural Design Engineer

Job Description : (1) Create 2-D and 3-D models using STAAD Pro., (2) Design all electrical substations elements and (3) Make sure that the project is in accordance with codes, project specifications & time schedule and (4) Preparing drawings with full details.
 Creating analysis models, design for all civil work in different electrical L.V. & M.V. & H.V. substations using STAAD Pro. and production of detailed construction drawings.

- Some Highlights Civil Designs:
 - Design calculation of switchgear control building.
 - Design calculation of power transformer fire wall foundation.
 - Design calculations of auxiliary transformer fire wall foundation.
 - Design calculation of oil tank.
 - Design calculation of water tank, septic tank soak pit.

- Design calculation for HV switchgear foundation.
- Column and footing location plan and sections for control building.
- Ground floor roof framing plan, opening layout, slab rebar details and sections.
- Staircase layout sections and rebar's details.
- Basement retaining wall opening and rebar details.
- Hand- hole, man- hole trenches and duct banks details.
- Some Highlights Projects aren't limited:
 - Construction of new 33/13.8KV AL-THAR substation (Najran – KSA).
 - Construction of 132/33KV S/S and connect it with the network in Al-Kharj area (AL-KHARJ – KSA).
 - Construction of 132/13.8KV Industrial area substation (Riyadh – KSA).
 - Construction of Durma 132/33-132/13.8KV S/S (Rural Riyadh – KSA).
 - Construction of new 33/13.8KV MEQUOA substation (Tabarjal – KSA).
 - Construction of new NEEMAH 33/13.8KV S/S (Baha – KSA).
 - Construction of new 33/13.8KV YADMAH substation (Najran – KSA).
 - Construction of 132/33KV BIR BIN HARMAS substation (Tabuk – KSA).
 - Construction of 132/13.8KV ALYARMOUK S/S (Riyadh – KSA).
 - Construction of new 33/13.8KV RAHWAH substation (Asir – KSA).
 - Construction of 132/13.8KV BURAYDAH NORTH substation (Al-Qassim – KSA).
 - Construction of 132/13.8KV Tabuk S/S (Tabuk – KSA).
 - Construction of 132/13.8KV KING FAISAL substation (Riyadh – KSA).
 - Construction of 110/13.8KV JAWAD S/S (Jeddah – KSA).
 - Construction of new 33/13.8KV AL-SODAH substation (Abha – KSA).
 - Construction of 132/13.8KV AL-AMARIYAH S/S (Riyadh – KSA).

Dates : From Nov. 2006 till Mar. 2008
Employer : Middle East Co. for Contracting & Urban Development (M.E.C.)
Job title : Civil Site Engineer
Job Description : Working in design and construction of different structures like water tanks, office building, earthen working, check quantity and develop my other skills.

Dates : From Aug. 2006 till Oct. 2006
Employer : Dr. Khaled Salah El-Deen Office for Engineering Consultation
Job title : Civil Engineer
Job Description : Applying my technical background and what was to be educated in the college to construct the general library in Almanzalah – Dakahlyah.

- Field of experience :**
- **KEY SKILLS AND COMPETENCIES:**
 - Extensive experience of planning, leading, structural analysis, design & client liaison.
 - Ability to multi- task in a demanding engineering environment.
 - A strong track in delivering projects on time.
 - Resolving complex technical issues and coming up with fast efficient, creativity & out-of-the-box solutions.
 - A full committed, capable and confident Engineer.
 - Results-driven and well-organized with technical professional.
 - Combines hands- on experience with a solid educational background in applied engineering.
 - Familiar with different design Codes such as:
 - Egyptian code of Practices (ECP).
 - American code (ACI-318M).
 - Canadian Highway Bridge Design Code S6-14.
 - Euro Codes.
 - British Standards.
 - Uniform Building Code (UBC97).
 - American Society of Civil Engineers (ASCE).
 - Saudi Building Code (SBC).
 - Mega Projects:
 - Grand Egyptian Museum.
 - Greater Cairo Metro Line 3.
 - High rising buildings in UAE.
 - Water Treatment Plant.
 - Repairing existing building.
 - Transportation Infrastructure.
 - Electrical L.V. & M.V. & H.V. substations in KSA.