105190-CVL-D-E-2010
Senior Civil Structural Engineer

Holds a B. Sc. in Structural Engineering and has over 11 years experience in Steel & RC structures design of large scale projects in Gulf area & Egypt (residential, industrial, commercial and hospitality sector buildings). His job responsibilities include proposals of structural systems, coordination, modeling, analysis, design, preparation of structural design & shop drawings. Has wide knowledge of the provisions of different international building codes.

PERSONAL DATA

Nationality	:	Egyptian
Birth Date	:	05/04/1988
Gender	:	Male
Residence	:	Nasr City, Cairo

EDUCATION

: B. Sc. in Structural Engineering, Ain Shams University, 2010

LANGUAGES

Arabic	:	Native Language
English	:	Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet
: ETABS
: SAFE
: SAP 2000
: Staad Pro
: AutoCAD
: PROKON
: Tekla Structures
: RAM connections
: Idea Statica
: Master series
: MIDAS SET
: PCA Column
: Revit

TRAINING COURSES AND CERTIFICATIONS

: Professional Engineer (P.E.), Kentucky state Board, USA, License no. PE#35158.
: Passed F.E. (Fundamental Engineering) exam.
: ABET-accredited bachelor's degree.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From May 2021 till now
Employer : ENGINEERING CONULTANT GROUP (ECG) - Cairo
Projects :
- ZED Towers, Cairo, Egypt
- BANQUE MISR BUILDING AT ADMIN CAPITAL
- CENTRAL BANK OF EGYPT NEW HQ AT THE ADMINISTRATIVE CAPITAL
- BANQUE DU CAIRE BUILDING AT ADMIN CAPITAL
- SUEZ MEDICAL COMPLEX
- ARAB AFRICAN INTERNATIONAL BANK BUILDING AT ADMIN CAPITAL
- NATIONAL BANK OF EGYPT AT THE NEW CAPITAL
- NEW GIZA CLINICS
- EGYPT POST HQ AT THE NEW CAPITAL

Job title : Senior Civil Structural Engineer (Steel Structures)

Dates : From May 2019 till May 2020
Employer : DAR SSH INTERNATIONAL CONSULTANT, KUWAIT
Job title : Senior Structural Engineer (R.C & Steel Structures)
Job Description :
- New maternity hospital, KUWAIT: The hospital is located on an area of over 59,000sqm and its main building will span an area of 241,000sqm.
- KIPRIC Project JV DAR EL-HANDSA (Client: KOC), KUWAIT: Lead the Design of underground parking about 30,000sqm along with ramps and tunnels.

Dates : From May 2013 till May 2019
Employer :
- Khatib & Alami – Egypt
- Khatib & Alami – U.A.E. (from Feb. 2014 till Jan. 2016)

Projects :
- Al Habtoor Palace Complex, Dubai (UAE): This new complex is one of the region's biggest and most luxurious hotels built on 100,000 sqm property with cost of 361 million $. This large theater will introduce Dubai to some of the worlds best theatrical performances such as Las Vegas. With over 1000 seats, the theater has highest Degree of technical development and multimedia effects including hydraulic central stage, Water features and moving floors.
  - Design & Review Steel structure of the aqueous theater comprises of 5 floors steel Vierandeel & roof steel trusses (50m span, 5m depth), with hanged catwalks & platforms serving the acrobatic show (full calculations, STAAD, ETABs model).
  - Design review many of steel canopies, steel domes, and steel spiral stair cases & technical support during the development of

construction documents using STAAD.

- Mall of Saudia in Riyadh, (KSA): The project includes construction of a mall spread over an area of 866,000 sq.m. The Mall main components can be structurally distinguished as follows:
  - Main mall area (Under croft car parking & two and half levels for retails and roof level).
  - Two Parking Buildings (west and south buildings, 2 and 3 levels respectively).
  - ULO (Ultra Leisure Offering) Building and (Snow Park & Ski) Building which are partially integrated in the southern Car Park Building.
  - Restaurant Pavilion & Restaurants opposite to mall Entrance.
  - Substation (Energy Center).
- Meeqat Hospital in (KSA) (Repairing): Meeqat Hospital is a 300 Beds Hospital currently under construction and to be transformed into specialized healthcare facility serving Oncology patients. The total site area is about 198,000 m2 with a main Hospital Building Built up Area of 79,000 m2 consisting of five (5) upper levels, Ground Floor and a basement with medical services distributed.
- El Sadiyyat Project, Abu Dhabi (UAE): Consists of main building, SPA, GYM building, 5 villas and owner villa.
  - Full Design & calculations of one part from four parts of the main building, the main building comprises of four parts which all supported on Transfer slab at ground level.
  - Design of Transfer slab.
  - Design review of steel space truss (12m double cantilever) supported by one steel column.
- Al Zahia City Center Mall in Sharjah (UAE): Al Zahia shopping mall is developed to be a primary regional shopping and entertainment center in the Emirate of Sharjah. The project mainly consists of two distinguished structures:
  - Car Parking structure consist of three slab levels. The first one is a grade slab placed directly on the soil, and the others are elevated deck slabs.
  - Mall structure consists of four slab levels for the majority retail area of the mall. The first one is slab on grade placed directly on the soil, and the others are elevated deck slabs. Only the mall Zones that host cinema and magic planet, consist of five slab levels.
- MBZ Residential Tower, Dubai (UAE): The proposed development is reinforced concrete skeleton residential building; the plot area is about 2421.51 m square. The building will comprise one partial basement floor, ground floor, three parking podium floors, (12) lower typical floors & (4) upper typical floor, roof floor and top of roof.
- Al Rashad Hospital in North Batinah (Sultanate of Oman): The proposed development consists of the New Modular Hospital, Project initiated by Ministry of health Oman (the Client) at the proposed location at Saham. The components of the project shall consist of the following: Outpatient department, A/E Department, Maternity unit, 30 Bed renal dialysis unit, Burns Unit, 30 bed day care unit, operating suite, Radiology department, Pathology department, Central sterilize supply department, Physiotherapy department, Pharmacy, Adult intensive care unit (AICU) -20 Bed, Pediatric intensive care unit (PICU) 10 Bed, Special care baby unit (20 Station –SCUB), Cc unit- 10 Bed, 6 Nos. Nursing unit,

Administration, stores, Engineering Services, laundry, kitchen & other facilities with total built up area 43,000 sq.m.

- Shikha Aisha Residential tower in Abu Dhabi (UAE): Sheikha Aisha Al Ketbi Project is a residential development proposed to be built on Plot no. (RBW3-14) located in Al Raha Beach, Abu Dhabi - UAE. The project consists of (19 stories) building (3 Basements, Ground, First, 11 typical floors, pent house, lower roof and upper roof) in addition to Services' Rooms on Roof.
- EL YAMAMA cement factory housing compound, Riyadh (KSA): Residential Compound for YAMAMA Cement Factory " project consisting of several types of structures including residential apartment buildings, workers accommodation, Luxury villas, VIP rest house with schools and nursery, restaurant, Friday mosque, shopping center, clubs, administration building and clinic, the project is located at 80 km away from the urban area at Riyadh town, Kingdom of Saudi Arabia. Hollow block system is used.
- AL-AIN HILTON, Abu Dhabi (UAE): The proposed development is a reinforced concrete skeleton building. The development will be constructed in AL HA NYAH, AL SAROOJ - AL AIN - UAE. This project is a mix use development project which consists of two identical service apartment buildings which consist of lower ground, upper ground floor & 4 typical floors, Core and shell F&B building consist of one lower ground, upper ground and first floor and fifteen town house building consist of ground and first floor and swimming pool and misc.
- Port of DUQM – Government Berth, Duqm (Sultanate of Oman): Duqm peninsula is a natural bay hill site located 682 km south of the Omani capital Muscat and 672km north city of Salalah. A government berth will be constructed among a master plan development for port of Duqm. All Buildings design envisioned to reflect Omani traditional heritage theme. Buildings base will be cladded with Omani natural stone whereas all external façade will be treated with a high quality rang of unique textures and high performance colors and blue gray color glazing units.
- Al Mashriq Mixed Use Building (Sultanate of Oman): The project will serve a mixed-use (residential and commercial) building with a G+5 and the location of the building is in Al Athaiba, Muscat (Plot number: 994) with a total plot area of 837 m2. The development consists of a basement parking and ground floor with shops and five levels, which comprise of residential apartments, roof and utility room. The total height of the building is around 26m with a story height of 3.3m for the residential floors and 5m for the ground floor.
- Marina Mall – Extension II, Abu Dhabi (UAE): The project consists of 2 wings which are connected to the existing complex development. The north wing consists of 2 basements (parking), lower ground floor (parking & retail) and ground + first floor for retail and other facilities. This part accommodates a hospital building of 16 floors on the far corners of the mall. The south wing consists also of 2 basement parking, lower ground and ground + first as areas dedicated for the mall while the tower above it of 16 stores acts as serviced apartments block of 397 keys (216 studios, 151 1-br, 20 2-br and 10 3-br). The total area of project is 430,295 sqm and mall rentable area is 97570 in total. And the building footprint is approx. 72,564 sqm.
- Capital Business Park, Sheikh Zayed City (Egypt).
- New Arab Bank headquarter, Cairo (Egypt): Design of steel façade with

full connections.

Job title : Structural Engineer (R.C & Steel Structures)

Dates : From Nov. 2011 till May 2013

Employer : Asec Aresco for Manufacturing & Industrial Projects – Cairo

Projects :

- National Cement Company, Helwan (Egypt):
  - 423 Cyclone Pre-heater (Repair & strengthening & Increase capacity of pre-heater steel tower (80m height-32.5mx18m) (Full details & full calculations).
  - 314 Raw Mill Feed (design of 2 Conveyors and transfer station 20m height & length of Conveyors 100m & 25m) & steel structure building (30m height, 8.8m width 30m length) (full details &full calculation).
  - 151 Raw material transport from storage (design of double Conveyors its length of Conveyors 120m) & Transfer station (full details & full calculations).
  - 131 limestone crusher (Roof steel metal deck silo its diam.15m) (full details & full calculation sheet).
- Lithuania Cement Plant, Lithuania.

Job title : Structural Engineer (Steel Structures)

Dates : From Nov. 2010 till Nov. 2011

Employer : TCB (Technical Consultant Bureau) – Cairo

Projects :

- Al Minya Cement Plant (under FLSmidth), Egypt:
  - Lime stone crusher (design of 2 bay trussed frames with 2 cranes, crane 60t & crane30t) (Full details & full calculation).
  - Design of 2 conveyors (length 100m and 200m) with full details.
  - Gypsum crusher (design of double conveyor, its length 150m) with full details.
  - Clinker transporter (design of platform, its length 70m, connected with 4 conveyors) with full details.
  - Raw mill (Atox Mill) &Steel Tank connected with steel tower (30m height).
- Assiut Cement Plant, Egypt: Design review of Minor platforms of Cyclone pre-heater.
- Yeast Angle factory (Beni Suef - Egypt):
  - Dryer building (design with full details).
  - Full design of 3 steel structures sheds.

Job title : Structural Engineer (Steel Structures)

Other Structural works:

- (Box Park - Riyadh - KSA): The complex is mixed use which contains restaurants, retails and offices in roof floor. Design of steel structure using ETABs with full details & full calculation.
- New Lexus Building in KSA comprises of basement floor, a concrete ground floor, mezzanine & roof steel structure using ETABS & SAFE.
- Detailing of steel formwork for ROD EL-FARG BRIDGE comprises of steel trusses & platforms using Tekla structures (Egypt).
- New DALMA police center (concrete building) (full design with full calculation using ETABS & SAFE (ABU DHABI – UAE).

- PACMAN Steel Structure project (full design with full calculation and detailing using SAP & Tekla Structures (Egypt).
- Design of Abu Simbel International Airport using SAP (roof steel shed 215m span, 85m length) (Abu Simbel, Egypt).
- Design of International house Doha, Commercial steel structure building (center point its area 35mx70m & its height 37m G+7) comprises of mezzanine Floor, (7) different floors and Roof floor (full details & full calculations) (Doha, Qatar).
- Full design with full calculation of theater roof steel truss using ETABS (AISC-LRFD) (KSA).
- Design of Roof steel tanks (Iraq & KSA).
- Design & review of many steel sheds, canopies & signboards (Egypt, KSA & UAE).
- Detailing of steel structure projects using Tekla Structures (pipe racks, platforms, sheds & tanks).
- Design of Connections for pipe rack steel structure (The Bahrain Petroleum CO.) about (3000Ton) under TECHNIP FMC Design Review using excel sheets & IDEA STATICA.

Design Codes:

ACI318, UBC97, ASCE07, BS5950, AISC and ECP205.

Field of experience :

- Prepare designs, specifications, calculations, drawings and new build schemes; obtain statutory approvals where needed.
- Provide project management and team leadership for the preparation of concept, scheme, and detailed design calculations and drawings for structural projects.
- Leading and undertaking structural engineering analysis and design.
- Be accountable for the timely production and delivery of reliable design solutions, reports, specifications and drawings.
- Provide effective task and resource management and monitor against agreed scope, programme and budget.
- Provide structural technical support and manage the technical accuracy of the project delivery.
- Be able to present technical aspects of a project and structural design approach to technical and non-technical individuals.
- Maintaining a comprehensive knowledge and appreciation of current technical engineering codes and practices and taking a role in technical matters both at project and divisional level.
- Calculation of vertical and lateral loads according to related codes.
- Design and review of structural members according to related codes.
- Provide and review of structural design drawings.
- Coordinate with other disciplines (Architectural, electrical, mechanical) through all project stage.