

BAHER MOHAMED ZAKZOUK

Senior Structural Engineer

KSA-RIYADH

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Professional Summary:

Technical office civil-engineer who make coordination between Arch, Civil, MEP drawings Preparing Professional Formwork & Reinforcement Drawings for all Structural Element. Preparing 3D-Structural Revit Model. Talented technical office engineer dedicated to continuous improvement to keep everything running smoothly, highly analytical and organized in addressing routine needs and managing unique circumstances, Skilled team player with strong background in Civil Engineering environments. Works well independently to handle assignments and always ready to go beyond basics assignments. Quick learner with good computer abilities.

Skills:

- Hard Worker.
- Communication Skills.
- Team work.
- Self-development.
- Developed a good knowledge of Revit and design programs to be applied.
- Model building.
- Analytical thinking.
- Prioritization.

Experience:

Senior Structural Engineer, Salini Saudi Arab

Oct 2024 – Until Now

(Diriyah)

Super Basement

. Diriyah Square – Package 3 above Ground Floor – 4 Zones with 50 Buildings with traditional system and post tension slabs.

.Diriyah Square – Package 4 above Ground Floor – 5 Hotels and 4 Residence Buildings.

Prepare strategy work between my team according to base line for each building to achieve the milestone and make sure all engineering works have been done before construction.

- Make Coordination between other departments (Arch – MEP)
- Review general arrangement and setting out plans for each level on each building.
- Coordination between Consultant requirements and site issues to can be achieve targets.

- Prepare strategic plan to pass critical pas of drawings.
- Prepare follow up shop drawings logs
- Prepare BBS for Reinforced Shop Drawings such as Columns, beams, Etc.

Senior Technical Office Engineer, HY-SEC

Jan 2024 – Oct 2024

(North Coast Projects)

Ras El Hikma

First Project Client Marakez (Ramla) – 64 Villa with 9 Types .

Second Project Client M.Squaraed (Masyaf) - 29 Chalets and other Works.

Third Project Client Mountain View - Lagoon with 2.5 km length

- Prepare Cost Estimation For All Item Civil And Arch For Tender
- Prepare Variations Orders.
- Study all points in Contract and help commercial team to take company rights.
- Prepare strategy work between my team according to base line for each project to achieve the milestone and make sure all engineering works have been done before construction.
- Prepare method statement and risk assessment (by cooperating with other HSE and Quality team).
- Make Coordination between Site Issues and Consultant Comments To Choose The corrective action for these issues.
- Update the 3D Model and implement the all updates due to the Electromechanical updates, and follow up the implementation of all activities items in the 3D integrated model.
- Prepare Q.S BBS for Structure Items And Control Waste of bars on site.
- Follow up the infrastructure Works in all stages with other companies.
- Prepare the shop drawings and BBS for the structural members.
- Cooperate in preparing the revised BOQ.
- Prepare MSR , CR and Choose The Suitable Sub Contractor according to prewise experiences and works needs
- Prepare the Shop Drawings logs.
- Prepare Client invoice with all reference documents (IR- CBR-MSR-Q.S Approved)
- Follow up the site modifications and construction Inputs in comparing with the contract and BOQ items.
- Prepare Quantity Surveying sheets for the structural member.

**Senior Technical Office Civil Engineer, Gama Construction
Gama Construction**

**May 2022- Jan 2024
Helwan**

Gama Construction Helwan (Weaving and Dyeing Factories)

- Prepare method statement and risk assessment (by cooperating with other HSE and Quality team).
- Update the 3D Model and implement the all updates due to the Electromechanical updates, and follow up the implementation of all activities items in the 3D integrated model.
- Follow up the infrastructure Works in all stages.
- Prepare the shop drawings and BBS for the structural members.
- Cooperate in preparing the revised BOQ.
- Prepare the Shop Drawings logs.

- Follow up the site modifications and construction Inputs in comparing with the contract and BOQ items.
- Prepare Quantity Surveying sheets for the structural member.

**Technical Office Civil Engineer, Gama Construction
Gama Construction**

**Feb 2021-May 2022
Mahalla El Kob**

Gama Construction, Mahalla, Spinning factory

- Check and Preparing Civil Shop drawings (Formwork & Reinforcement) For All Project Buildings for factory.
- Budgeted cost with total 1,000,000,000 EGP.
- Preparing Bar Bending Schedules(BBS) for all Reinforcement Drawings with the
- Minimum Possible Scraps Ratio.
- Preparing Structural Revit Model.
- Follow up consultant requirement and site Issues to prepare solutions.
- Make coordination between MEP and ARC.
- Check S.D precast DWG with approved design.

**Technical Office Civil Engineer, Gama Construction
Gama Construction**

**Aug 2019-Feb 2021
New El Alamein**

Gama Construction New Alamein Latin district.

- Check and Preparing Civil Shop drawings (Formwork & Reinforcement) For all Project Buildings for nine clusters.
- Budgeted cost with total 1,500,000,000 EGP.
- Preparing Bar Bending Schedules(BBS) for all Reinforcement Drawings with the Minimum Possible Scraps Ratio.
- Preparing Structural Revit Model.
- Follow up all Post tension designers and applicators.

**Technical Office Civil Engineer, Concrete Plus
Concrete Plus**

**Feb2019- Aug 2019
New Capital City**

Concrete plus for construction and engineering, El Waha towers, New capital

- Check and Preparing Civil Shop drawings (Formwork & Reinforcement) For all Project Buildings for five towers-R3.
- Budgeted cost with total 1,500,000,000 EGP.
- Preparing Bar Bending Schedules(BBS) for all Reinforcement Drawings with the Minimum Possible Scraps Ration.

- Preparing Structural Revit Model Follow up consultant requirement and site Issues to prepare suitable solutions.
- Collaborated with internal and external stakeholders to identify and implement enhancement opportunities.

**Technical Office Civil Engineer, Concrete Plus
Concrete Plus**

**Jul 2018- Feb2019
New Capital City**

Concrete plus for construction and engineering, New garden city, New capital

- Check and Preparing Civil Shop drawings (Formwork & Reinforcement) For all
- Project Buildings for 450 villas – six types.
- Assign Budgeted cost with total 3,500,000,000 EGP.
- Preparing Bar Bending Schedules(BBS) for all Reinforcement Drawings with the Minimum Possible Scraps Ratio.
- Preparing Structural Revit Model.
- Follow up consultant requirement and site Issues to prepare suitable solutions.

Education:

Bachelor Degree: Civil Engineering.
Menofia University (from 2013 to 2018).
Overall Grade: Good.
Graduation project Grade: Excellent.
Project modeling using BIM (Revit structure – Robot).
PMP -- Prepare
CCP—Prepare

Software:

- Autocad Structural Detailing.
- Armacad.
- Revit Structure.
- Ms Office
- Tekla Concrete.
- Outlook
- Adapt Builder (Post Tension)
- Aconecx System

References Available

