

Ali Y. Mohammad

(BIM Coordinator)



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Work Experience

2018-2020 **Position: Electrical Team Leader & BIM Manager**
Project: Riyadh Metro (Saudi Arabia)
Company: CETE

Duties:

- Managing all technical issues of MEP by BIM using Revit software.
- Issuing shop drawing coordinate with all disciplines of the project.
- Modeling architecture, structural and MEP.
- Attending internal construction coordination meetings with Client.
- Attending coordination meetings with the client and consultant discussing technical and construction progress solve technical and contradiction issues related to quality, project technical specifications and variation orders.
- Monthly monitoring of project using earned value method.
- Monthly invoice, originating, submitting and follow up payment certificates.
- Fulfilment of subcontractor agreement in regards of quality, progress, invoicing, claims and variation orders.
- Coordinate with project team the construction schedule implementation and comments solve schedule conflicts, identifying the critical path and driving activities/milestones.
- Expedite materials submittals and procurement, close monitoring for long lead items.
- Expedite shop drawings submittals and approval.
- Team support in problem solving and decision making. Coach and improve team skills.

Work Executed:

- Containment
- Lighting
- Power
- Earthing and Lightning systems
- Low current systems: BMS, CCTV, Fire alarm, Telephone system, Data System

2017-2018

Position: MEP Technical Office & BIM Modeler

Project: Kuwait Gulf Oil Company (Kuwait)

Company: BIM-ME

Duties:

- Procurement all discipline MEP based on technical and submittal approved.
- Utilize the BIM format to prepare a BIM model of the planned constructions.
- Provide leadership and supervision to the BIM team and its activities.
- Ensure the BIM activities are concluded within the set budget.
- Help in presentation of BIM model to the management and take their feedback.
- Verify if the BIM model complies with the planned dimensions of the building.
- Prepare time schedule to deliver projects on time with all requirement.
- Prepare total quantity and types for each project.
- Determine space and man-power for each project as finishing and electro mechanical subcontractor to install (lighting, sensor box, andetc.)
- Follow material submittals approval in coordination with technical office for each project.
- Ensure timely and complete project documentation including minutes of meeting, review comments, design decisions, technical white papers, engineering studies, etc.
- Maintain up-to-date project files in a systematic manner.
- Follow production and prepare daily report and weekly report for consultant and each project's site, and need's for each site based on computable time schedule.
- Follow delivery and logistic for deliverable between site's and factory based on needs.
- Follow approved design for casting.
- Attending internal construction coordination meetings.
- Attending coordination meetings with the client discussing construction progress, solve contradiction issues related to quality and project technical specifications.
- Fulfillment of subcontractor agreement in regards of quality, progress invoicing and claims.
- Follow up discrepancies with vendors and raise claims.
- Coordinate with Project Management the construction schedule implementation and comments, solve schedule conflicts, identifying the critical path and driving activities/milestones.
- Optimize man-power distribution, activities prioritizing, depending on critical paths, materials availability, and weather conditions, which allowed achieving milestones before target dates.
- Expedite other disciplines progress (Mechanical and Civil).
- Expedite materials procurement, engineering design and modifications.
- Team support in problem solving and decision-making. Coach and improve team skills.
- Implement the value engineer concept, Explore alternative materials and methodologies, by review the engineering design, and propose design modifications which applicable and compatible with site conditions, which affects the cost of material and man-hours positively.

Work Executed:

- Installation of: Switchgears, transformers, MCCs, DC & UPS systems
- Installation of control panels: Generator protection panel, Transformer panels.
- Cabling: Cable ladders and trays, Conduits, Cable pulling and termination (medium voltage, low voltage)
- Underground works Grounding, Cable trenches, Cable tunnels
- Lighting: Indoor, Outdoor, Aviation, Road - Pole lights, High mast lighting
- Low current systems: BMS, Fire alarm, Public address, Clock and Telephone
- Earthing and Lightning protection systems

2016-2017

Position: Assistance for Executive Project's Director

Project: Habtoor Water Theater (Dubai)

Company: BIM-ME

Duties:

- Develop and promote new strategies for effective working of BIM model
- Perform quality analysis tests to check consistency of the product with the plans
- Liaise with the architect, clients, and civil engineers from time to time
- Train the team members on developing the BIM model and using BIM software
- Upgrade the organization's BIM model with advancements in BIM technologies
- Work with BIM team to develop all shop drawing for site to transfer from 2D to 3D to get best imagination and touch every details on drawing with perfect tools Revit Autodesk for Architecture, structural and MEP, and get bill of quantity and planning schedule automatic and accuracy based on data entry throw design drawing.
- Deal with partner to give all qualified staff courses and certificate

Work Executed:

- Planning department report.
 - Coordination department report (main problem to solve it).
 - Technical office department (submittal approval, shop-drawing approval...etc.).
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2014-2016

Position: Electrical Site/Design Engineer

- ✓ VERMELHO (Hamra)
- ✓ VANDYKE 741 (Ain el Mraysieh)
- ✓ VIEW BCHAMOUN (Bchamoun)
- ✓ TOP BRANDS (Khalde)
- ✓ AUBMC (Beirut)

Duties:

- Experience in execution of the capital improvement projects (main buildings / utility buildings / support buildings)
- Review and brief understanding of the construction documents, shop drawings (composite coordination), specifications, technical product data, material submittals, samples, request for information, schematics, standards, catalogues, and equipment manuals.
- Issuing approved drawings, giving targets & explaining to site engineers about integrity of the work involved with reference to approved drawings for timely job completion.
- Closely monitor site activities to ensure quality of work complies with contract requirements, good construction practice and compliance with shop drawings.
- Attend weekly meetings, correspondence, coordination, technical and commercial discussions / negotiations with clients, consultants, sub-contractors, architects and suppliers.
- Review construction contractor scope of work prior to issue of the intents/orders (lump sum / unit price).
- Coordinate with senior, managers and supervise site engineers.

Technical Skills

- Work with management to assign, perform, oversee and schedule work tasks and meet cost objectives.
- Follow up of the Project Executes, Installation, Testing, Commissioning and Closeout.
- Coordinate the progress of work with the main Contractors & Clients.
- Responsibilities of arranging and managing all Projects Engineers and shall cover complete MEP systems.
- Responsible for overall plan, design/coordination and implementation/ execution of respective services.
- Leading construction & coordination team by using BIM system till 7D stage.
- Develops projects plans specifying goals, strategy, and staffing, scheduling.
- Identification of risks contingency plans and allocation of available resources.
- Review and approve the MEP engineering design, analysis, technical specifications, Diagrams, design drawings and tender documents.
- Prepare preliminary design and compile scope statement for MEP systems.
- Participate in project phasing and planning.
- Provides technical leadership to personnel supporting the assigned project.
- Provide technical approvals for the project's Material Submittals, Base Design, Schematic Design, Technical Data Sheets, Shop drawing, etc.
- Ensure optimized engineering solution to meet clients and end user requirements.
- Preparing & following payment documents up to the approval stage.
- Solving the problems for all Projects in order to handling the projects on time.
- Produce sufficient data for Variation Orders and timely communicate to client in coordination with General Manager / Contract / Estimation section.
- Follow up with purchasing until finalization of requested items delivery, and report any delay to the Project Director / General Manager as needed beforehand.
- Prepare recovery schedule to meet the original plan if delay founds.
- Supervising daily log of construction and inspection activates and compares progress reports.
- Develops quality assurance test plans and direct quality assurance testing.
- Revit software Specialist.
- BIM Coordination.

Computer Skills

- Revit
- AutoCAD
- Navis Work
- ETAP
- Dialux
- Relux
- Microsoft Office

Educational Qualifications

- Masters in Electrical Engineering (LIU)
- Bachelor Degree in Electrical Engineering (LIU)