





MAHESH SHANMUGHAN

CONTACT

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EDUCATION

Mechanical Engineering diploma(3years)
Board of Technical Education Tamilnadu, India

Pre Degree: Commerce
Bethany College – Trivandrum

SKILLS

- REVIT MEP
- AUTO CAD
- MICRO STATION
- MICROSOFT OFFICE APPLICATIONS

DRIVING LICENCE

Automatic Light Vehicle

PERSONAL DETAILS

Date of birth
20/04/1982

Nationality
INDIA

Visa status
Employment Visa

Marital status
Married

ABOUT ME

Seeking for a position to utilize my 15 years of experience, skills and abilities in the MEP engineering industry that offers professional growth while being resourceful, innovative and flexible.

WORK HISTORY

BIM MEP Coordinator 12/2020 - Current
Constructora San Jose, S. A. Abu Dhabi - UAE

Responsibilities

- Develop/Update, implement and maintain BIM Workflow, protocols and standards within the MEP Engineering Team.
- Reviewing and preparing BIM Execution Plans, BIM Scope of work and contractual documents.
- Assist project management in the Planning, Procurement, Submittal and RFI process.
- Leading and Managing a team of BIM Specialist / BIM Technicians / BIM & Design System Lead and CAD Technician.
- Coordinate all design matters between the key project stakeholders/subcontractors and specialists .
- Provide and analyse 3D models during design coordination to support pre-construction.
- Propose alternative BIM solutions to improve collaboration and productivity across projects.
- Perform clash detection in a proactive manner to ensure BIM Models are well coordinated.
- Perform, manage and track design change and manage BIM revision log.
- Review Navisworks coordination models.
- Attend various technical coordination workshops to gather all the information required to develop a tailored projects BIM strategy.
- Work on-site to update the models to reflect as-builts conditions.

Project Handled

- AL AIN Hospital Al Ain, UAE.

BIM MEP Engineer 06/2012 - 11/2020
Arabtec Construction LLC - Dubai, UAE

Responsibilities

- Responsible for set-up and direction of BIM workflow on assigned projects.
- Develops workflows for various stages in design and submissions.
- Attend various technical coordination workshops to gather all the information required to develop a tailored projects BIM strategy.
- Managing all MEP and MEQ technical issues by BIM.
- Provide day-to-day BIM Technical support to the construction team.
- Preparing 3D models and 2D Shop drawings for Mechanical services. (HVAC Ducting, Piping, Drainage, Water Supply and Fire Fighting)

LANGUAGES

English
Hindi
Malayalam
Tamil

- Responsible for Clash free Co-ordination with Architecture, Structure, Medical Equipment's & MEP services and Preparing Clash Report by using clash detection.
- Highlighting the problems in MEP Services with RFI's and Proposing Solutions.
- Responsible for 2D Extraction from 3D model and making Shop drawings for Mechanical services.
- Work on-site to update the models to reflect as-builts conditions.

Project Handled

- AL AIN Hospital, Al Ain, UAE.
- Fairmont Hotel and Serviced Apartments, Abu Dhabi, UAE.
- Saraya Residential Development, Abu Dhabi Corniche, UAE.
- Najmat residential development, Reem Island, Abu Dhabi, UAE.

CAD Coordinator/QS

03/2010 - 05/2012

Trans Gulf Electromechanical LLC - Dubai, UAE

Nature of work (Quantity Survey)

- Studying Tender Drawings, Specifications and BOQ and prepare Scope of works to discuss with seniors.
- Responsible for Complete Material take off.
- Preparing Tender Queries and studying Tender Addenda.
- Forwarding enquires to Vendors for all equipment and material as per Tender.
- Involved in Design, in case of Design and Building Projects.

Project Handled

- Four Seasons Hotel, Doha, Qatar.
- Military Hospital, Maliha, Sharjah.
- Hilli Shopping Mall, AL Ain.
- Special Security Hospital, DIP, Dubai.
- Dubai Police Forensic science, Dubai.

Nature of work (CAD Coordinator)

- MEP Space planning.
- Verifying IFC designs for the purpose of Shop drawing & raising discrepancies.
- Ensuring Drawings are in compliance to local authority requirements & standards.
- Explain drawing to construction teams and engineers to provide adjustments as necessary.
- Document submission process support & follow up.

Project Handled

- Development of Beach Hotel & Resort (HYATT International) Saadiyat Island, Abu Dhabi.
- Proposed Ministry of Interior Head Quarters. Doha, Qatar.
- Ain Aoudha Palace, Morocco.

CAD Designer

08/2007 - 02/2010

Fawaz Refrigeration & Air Conditioning Co. W.L.L - Sharjah, UAE

Responsibilities

- Preparing HVAC shop drawings as per schedule.
- Preparation of MEP drawings.
- Selection of Grilles and Diffusers.
- Calculating duct sizes

Project Handled

- Proposed (2B+G+M+8TYP+HC) Office Building, Dubai.
- Proposed (G+58 Commercial & Res.) Building Dubai.
- Proposed (G+10 car parking + 2 Mech.) building Dubai.