



# Mohammed Sulaim

## Senior MEP Draughtsman

With a career spanning 15 years in MEP design and on-site execution, I take pride in turning complex customer designs into feasible projects for my team. Specialized in Electrical, LV, ELV, HVAC, Fire Fighting, and Plumbing, my approach integrates the latest industry standards, including ADDC, DEWA, SEWA, and FEWA. Certified in AutoCAD and skilled in Revit and Photoshop, my technical prowess is complemented by a comprehensive understanding of international benchmarks such as IEC, BS, NFPA, CIBSE, ASHRAE, and SMACNA. Known for my adaptability and innovative problem-solving, I offer a perfect blend of technical and interpersonal skills. I'm keen to bring my multifaceted expertise to a dynamic team, contributing to both immediate and long-term goals.

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📍 Dubai, United Arab Emirates

## SKILLS

Air Conditioning System

Electrical Design

HVAC Design

Plumbing Design

Drafting & Detailing

Water Demand Calculation

Fire Fighting System

Drainage System

Storm Water System

Water Supply System

Water Tank Selection

MEP Precast Wall Coordination

Sump Pit and Pump Calculation

Low Voltage Systems

Drainage Slope Calculation

Extra Low Voltage Systems

Plan Swift

Voltage Drop Calculation

MEP Service Coordination Drawings

MEP Builders Work Drawings

## WORK EXPERIENCE

### MEP Designer

#### Haida Green Engineering Consultants

07/2021 - Present

Dubai, UAE

##### Achievements/Tasks

- Represented the company's interests while building robust relationships with key stakeholders, including governmental agencies and esteemed clients. Diligently ensured all contractors were in full compliance with project specifications and contractual agreements.
- Conducted comprehensive site assessments for proposed mechanical and electrical installations, subsequently creating initial drafts and coordinating with architectural teams for ceiling layout integrations.
- Orchestrated the development and implementation of Low Voltage power systems, placing special emphasis on Lightning Protection and Power Containment solutions.
- Produced intricate electrical drawings and schematics for Low and Extra Low Voltage Systems, comprising Fire Alarm Systems, Building Management Systems, and CCTV setups.
- Crafted complex electrical layouts specifically for high-importance rooms like Transformer and Electrical Rooms, ensuring compliance with local and international standards.
- Engaged in detailed calculations for critical electrical parameters, such as Circuit Breaker Ratings and Cable Sizing, thus contributing to the accurate preparation of shop drawings.
- Collaborated with specialized electrical teams to formulate Main Single Line Diagrams and Load Schedules for both MDB and SMDB, ensuring optimal power distribution.
- Employed specialized knowledge to create network configurations for both internal and external telephone and public address systems. Prepared fire-fighting system drawings in compliance with Civil Defense regulations and designed HVAC systems, including calculations for heat loads, duct sizing, and air distribution schemes.
- Performed meticulous calculations for voltage drop considerations and cable tray spacing, thereby providing data-driven insights for both fieldwork and office planning.
- Developed schematic layouts for water supply and drainage systems, adhering to DM standards. Conducted water demand assessments, pump and tank selection, and sump pit calculations.

## WORK EXPERIENCE

### MEP Designer

#### Protexive Electromechanical LLC

03/2020 - 06/2021

Abu Dhabi, UAE

##### Achievements/Tasks

- Took the helm of project teams, successfully speeding up project timelines, which in turn played a pivotal role in enhancing client contentment. Worked hand-in-hand with architects and interior designers to seamlessly incorporate electrical designs into existing ID, Tile, and Furniture layouts.
- Designed intricate Low Voltage electrical systems, incorporating elements such as UPS power layouts and grounding systems, all while adhering to top-tier industry norms.
- Generated detailed drawings for ELV systems, which included Data Networks, Telephone Systems, and specialized emergency lighting setups. Created complex electrical room layouts that complied with the most stringent industry standards, while ensuring project-specific requirements were met.
- Conducted in-depth engineering calculations for important electrical components, such as cable sizes, circuit breaker ratings, and grounding systems. Prepared layouts for Bus Duct and Bus Riser systems, coordinating extensively with electrical teams for approval submissions to regulatory authorities.
- Developed comprehensive MEP service coordination layouts and builders' work drawings, with a focus on optimal wall coordination to facilitate construction.
- Conveyed intricate drawing specifications to both construction and production teams, ensuring the flawless execution of projects from inception to completion.
- Crafted schematic diagrams for mechanical systems like water supply, drainage, and fire-fighting systems, adhering to Civil Defense and DM regulations. Performed calculations for water demand, sump pump sizing, and HVAC parameters like heat load and duct sizing. Utilized Plan Swift software for precise project estimating, including cost and material requirements.

### MEP Design Coordinator

#### Coretec Technical Services

08/2017 - 02/2020

Dubai, UAE

##### Achievements/Tasks

- Orchestrated departmental coordination, optimizing project efficiency and resulting in an improvement in timelines.
- Played a crucial role in preparing shop drawings for water supply systems, strictly following DEWA standards.
- Formulated schematic diagrams for water supply and drainage systems, ensuring seamless implementation.
- Conducted water demand calculations and selected appropriate tanks and pumps according to industry standards.
- Developed drainage system shop drawings, adhering to DM standards, and optimizing wastewater management.
- Created manholes schedules based on slope calculations, enhancing the efficiency of drainage systems.
- Conducted sump pump and sump pit calculations, ensuring optimal performance in water drainage systems.
- Prepared fire fighting system shop drawings, adhering to Civil Defense rules and regulations for safety.
- Designed and detailed HVAC works including heat load calculation, duct sizing, and air distribution schemes.
- Mastered pressure loss calculations, refrigerant piping layouts, and sizing of diffusers and grills in HVAC systems.

### Electrical Designer / MEP Draughtsman

#### Bond Interiors LLC

04/2014 - 07/2017

Sharjah, UAE

##### Achievements/Tasks

- Responsible for implementing new drafting standards to elevate productivity, developing and maintaining an extensive portfolio of accurate electrical drawings, defining design requirements in collaboration with project managers, leveraging AutoCAD skills for detailed layouts, conducting design reviews, ensuring compliance with regional standards, training junior draughtsmen in AutoCAD and Revit, preparing tender documents, and carrying out site surveys for integrated design solutions with civil and mechanical departments.

### Electrical Draughtsman

#### Ali Moosa & Sons Contracting

02/2008 - 03/2014

Sharjah, UAE

##### Achievements/Tasks

- Responsible for updating and developing an archive of electrical drawings with 100% accuracy, preparing plans for large-scale residential and commercial projects, harmonizing electrical designs with overall project goals, conducting site visits for data collection, mastering regional and international electrical standards, training new hires in drafting best practices, preparing and submitting tender documents, engaging in cross-departmental collaborations for integrated designs, conducting reviews to identify design issues, and maintaining quality control across all electrical drawings.

## EDUCATION

Diploma in Electronics & Communication Engineering (3-Years) (2005)

Noorul Islam Polytechnic College (NIPC), Chennai, India

## WORK PROJECTS

Braem Al Ain Private School: G+1+Service Block + Entertainment Block in Abu Dhabi.

FIFA World Cup Qatar 2022: Overlay Projects at Al Wakrah Stadium, Al Bayt Stadium, and Al Bidda Stadium.

Expo 2020, Dubai: Involvement in the Overlay of South & North areas, Peru Pavilion (G+3), Brazil Pavilion (G+3), Monaco Pavilion (G+1), Belarus Pavilion (G+1), Algeria Pavilion, and Columbia Pavilion.

Damac Akoya Oxygen: Development of 1500 standalone G+1 villas & G+1 Townhouses.

Residential Complex: 407 Villas (G & G+1) in Sharjah and 282 Villas (G & G+1) in Dibba Al Fujairah.

Al Noof Primary School: C1 & KG Blocks in Sharjah.

Al Qassimmy Maternity Hospital: Emergency extension in Al Khezamiya, Sharjah.

Ajman Murur Mixed-Use Complex: 3 Basements + G + 5 Podium + 2 Towers of 26 & 23 Floors.

Jebel Ali Industrial Bus Station: Inclusive of Workshops Building, Advertising Bay, Inspection Bay, Staff Accommodation, Administration Building, Guard Rooms, and Etisalat Room.

ADNOC Filling Stations: Involved in the Construction, and Maintenance of 14 ADNOC Filling Stations across various Emirates.

SPA at Le Meridien, Abu Dhabi || Entrecote Café, Abu Dhabi

Banking Sector: Retail Branches for ADIB, ADCB, DIB, ENBD, FGB, and Dubai First Bank across the UAE.

Du Emirates Integrated Communication Company: Retail offices and kiosks across the UAE.

Food & Beverage Sector: Bateel Café restaurants across the GCC, Pallazo Versace in Dubai, Ritz Carlton Kids in Dubai, and Nandos Restaurants in Dubai.

Hospitality & Leisure: Geals Restaurant at Le Meridien Beach Resorts, Club Villas at Crescent West Palm Jumeirah, Parkers La Mer Restaurant in Dubai.

Retail: Vivel Patisserie in Dalma Mall, Carluccio's at Mirdif City Centre, Noodle House at Burjuman Centre, and Sloane's All Day Dining at Grosvenor House.

## TECHNICAL SKILLS

AutoCAD

Revit

Adobe Photoshop

Plan Swift

HAP

Dialux

MS Office (Word, Excel, PowerPoint & Outlook)

## PERSONAL DETAILS

**Date of Birth** 25 - 05 - 1986

**Nationality** Indian

**Visa Status** Freelance Visa

**Driving License** Light Vehicle (Valid UAE Driving License)

## LANGUAGES

English ● ● ● ● ●

Hindi ● ● ● ● ●

Malayalam ● ● ● ● ●

Arabic ● ● ● ○ ○

## REFERENCES

Available upon request.