

# MOHAMED NAFEEL

## MEP DRAFTSMAN/ SITE SUPERVISOR

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Visit Visa Expiry: 25-Oct-2022

Date of Birth: 08-MAY-1999

Nationality: Indian

Status: Single

Passport No.: T5515263

PP Date of Expiry: 02-Apr-2029

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### MECHANICAL, AUTOCAD, MEP, SITE SUPERVISOR / ENGINEER / COORDINATOR

**Mechanical Engineer (MEP)** with **3.8 Years of experience** across Supply, Installation, Maintenance, Testing & Commissioning of MEP Projects in Residential, High rise buildings, Commercial, Industrial Buildings.

#### EDUCATIONS & CERTIFICATIONS

❖ **DIPLOMA in MECHANICAL ENGINEERING (DME)**

❖ **HVAC CERTIFICATION**

❖ **MEP (HVAC, Plumbing & Fire Fighting)**

❖ **AUTOCAD**

#### COMPUTER & LANGUAGES AWARENESS:

**MS-OFFICE, AUTOCAD.**

#### HVAC SOFTWARE SKILLS:

**HAP, E-20 form, McQuay (DUCT & PIPE SIZER), XL Program for Pump & Fan Static Pressure, ASHARE Duct Fitting Database, BOQ XL Program, Beta Program.**

#### Languages:

**English & Tamil**

#### AREAS OF EXPERTISE

❖ MEP Designing

❖ Project Management

❖ Planning /Estimation

❖ Procurement & Cost Control

❖ Installation & Maintenance

❖ Supervision/Management

#### PROFESSIONAL EXPERIENCE ( 3.8 Years)

**INDIA (CHENNAI) – 2 Years**

**Company: M/s Gemini Cooling Systems Projects Pvt Ltd.**

**Jun - 2020 to Jun - 2022**

**Designation: HVAC Site Engineer / HVAC Draftsman**

#### **JOB DESCRIPTION:**

- Co-ordinate with Consultants, Main contractor and other services for implementation of project to avoid hindrances and delay of the project.
- Preparation of Design, Schematic and Shop drawings for Mechanical Services (HVAC, Fire Fighting & Chilled Water Piping).
- Inspection and Supervision on site as per approved Shop drawings and coordinate with supervisors to solve the problem related with Design & Drawing

- Allocating manpower according to site activities and work priorities
- Guiding to AutoCAD Draftsman for preparation of drawings for installations of equipment and accessories.
- Keeping the records of material and manpower mobilization
- Attend technical & Progress meeting with clients/consultants/contractor/employer
- Preparing weekly/monthly reports, cost savings and variation claims.
- Reporting to project manager / Operational manager
- Preparing cost analysis for any additional work.
- Approval of the works done through consultants' inspections
- Preparing as built drawings manuals.
- Preparation of Design, Schematic and Shop drawings for Mechanical Services (HVAC, Fire Fighting & Chilled Water Piping).
- Preparing sectional details, shaft coordination & schematic drawings of HVAC.
- Reviewing Consultant Specifications.
- Raising RFI for Design and Structural Issues.
- Preparation of AS BUILT Drawings for Mechanical Services.
- Preparation of Bill of quantity for Projects.
- To assist the Engineers in special procedures like coordination, quantity etc.
- To be aware and implement accordingly all CAD standards.
- Co-ordination with site co-coordinator & Engineer.
- Receiving emergency work and finishing in time

**INDIA (CHENNAI) – 1.8 Year.**

**Company: Tech-Sharp Engineers, Pvt, Ltd. Chennai.**

**Sep - 2018 to May - 2020.**

**Designation: SITE SUPERVISOR / AutoCAD Draftsman**

**JOB DESCRIPTION:**

- Preparing Presentation Drawings in AutoCAD.
- Preparing Shop Drawings of Plan, Section & Elevation from Tender Drawings.
- Preparing As Built Drawings.
- Preparation of computer aided drawings related to structural construction and outfitting of new building projects as detailed in client's specification.
- Co-Ordination of Architectural Drawings with Structural & Service Drawings.
- Preparation of power distribution & Lighting layouts.
- Preparation of Single line Diagrams.
- Cable routing layout, earthing layout, DB Schedules & layouts.
- Wiring Diagrams, Cable Schedules.
- Instrumentation Hook-Up Drawings, Loop Drawings, I/O Schedules etc.
- Preparation of All types of standard drawing.
- Preparing Material Submittals.
- Preparation of bill of materials.
- Coordinate with architects, senior engineers, and other engineers.
- Review Contractors Submittals (Equipment's, Data Sheet, Inspection, Test Plan and installation O&M Manual) related to the discipline and ensure its compliance and concept design, contract requirements, and submit to consultant & client for review and approval.
- Co-ordinate with Consultants, Main contractor and other services for implementation of project to avoid hindrances and delay of the project.
- Inspection and Supervision on site as per approved Shop drawings and coordinate with supervisors to solve the problem related with Design & Drawing
- Allocating manpower according to site activities and work priorities
- Guiding to AutoCAD Draftsman for preparation of drawings for installations of equipment and accessories.
- Keeping the records of material and manpower mobilization
- Attend technical & Progress meeting with clients/consultants/contractor/employer
- Preparing weekly/monthly reports, cost savings and variation claims.
- Reporting to project manager / Operational manager
- Preparing cost analysis for any additional work.

- Approval of the works done through consultants' inspections
- Preparing as built drawings manuals.

**TECHNICAL SKILLS IN MEP:**

Heat Load Calculation, Ventilation Calculation, Pump Head Calculation, External static Pressure, Duct/Pipe Sizing, Grill/Diffuser/Louvers Sizing, Fans & Pump Selection, Shop Drawing & As built Drawing Preparation, Testing, Commissioning, Balancing, Bill of Quantity.

Familiar with Plumbing, Shop & As built Drawing Preparation, Installation, Bill of Quantity.

Having Good Knowledge Installation of Sprinklers, Diameter of the Pipe, Capacity of Tanks, Head of Pumps, Bill of Quantity.