



RESUME

MOHAMMAD ZAKIUDDIN

Senior Mechanical Draftsman | MEP Coordinator

📍 Riyadh, Saudi Arabia

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PROFESSIONAL SUMMARY

Senior Mechanical Draftsman and MEP Coordinator with **13+ years of Gulf experience** across High-Rise residential, healthcare, and large-scale mixed-use projects. Strong expertise in HVAC, chilled water systems, plumbing, drainage, and firefighting services, with proven ability to deliver coordinated shop drawings, plant room layouts, and as-built documentation. Highly skilled in multidisciplinary coordination, compliance with international codes (NFPA, IPC), and meeting strict construction timelines.

CORE SKILLS

- Mechanical Shop Drawings & As-Built Documentation
- HVAC Ducting & Chilled Water Systems
- Firefighting & Plumbing Systems
- MEP Coordination & Clash Resolution
- Plant Room & Pump Room Layouts
- Builders' Work Drawings (BWD)
- Quantity Take-Offs & BOQ Support
- AutoCAD & Revit (2024)
- Duct Sizing (**McQuay Software**)
- Time Management & Multitasking

PROFESSIONAL EXPERIENCE

Senior Mechanical Draftsman

ABV Rock Group Ltd., Saudi Arabia

Sep 2018 - Present

Key Projects: Security Forces Medical Center (SFMC), **Riyadh & Jeddah**

Responsibilities:

- Preparation of Mechanical shop drawings such as HVAC Ducting System, chilled water piping system, Fire Fighting System, Drainage System and Water Supply Systems, Builders work and Mechanical coordination drawing, Section and detail, as built drawing including layout, section Details and schematic Diagram, using specifications, IFC Drawings and additional data from engineering team.
- Proficient in duct sizing, selection of air louvers and diffusers, plenum design, support spacing, and piping, with minimal supervision from engineers.
- Preparation of Mechanical Chilled water Pump Room & Heat Exchanger layout using Approved Material submittal for Actual views Actual dimension, Maintenance requirement and Plinth sizes,
- Duct connectivity and pipe connectivity coordination including valve assembly.
- Preparation the Plant Room Layout & Providing Sectional Details.
- Experienced in preparing quantity take-offs for mechanical, plumbing, and firefighting systems.
- Designing the Ductwork by maintaining the desirable **Aspect ratio**.

- Creating Shaft Coordination Drawings for MEP Services.
- Coordinate between Hvac system layout and other services (chilled water, firefighting layout, water supply layout, Drainage layout and All Electrical Services).
- Collect initial drawings, calculations Reports and design basis from engineers, and use all relevant data to make Coherent and complete design or shop drawing for approvals.
- Preparation of **As built drawing** as per site markup and Takeoff quantity material all Mechanical services.
- Preparation of All Mechanical single line schematic Riser drawing.
- Drafting the routing of pipe as per the NFPA – 13, Mention the pipe sizes in the drawing based on the sprinklers, Place the fire hose cabinet by logically.
- Designing the installation detail drawing of sanitary fixture & water tank
- Based on the Architecture drawing Design the entire drainage system along with the invert level.
- Based on sanitary fixture and mixer outlets, drafting the water supply system, drafting the piping layouts according To the IPC standard.

Mechanical Draftsman / MEP Coordinator

Saudi Binladin Group (P.B.A.D), Jeddah Saudi Arabia

Sep 2010 – Nov 2015

Project: King Abdullah Financial District (KAJD), Riyadh

Responsibilities:

- Preparation of Mechanical shop drawings of HVAC Ducting System, chilled water piping system, Fire Fighting System, Drainage System and Water Supply Systems, Builders work, as built drawing including layout, sectional Details and schematic diagram.
- Proficient in duct sizing, selection of air louvers and diffusers, plenum design, support spacing, and piping, with minimal supervision from engineers.
- Preparation of mechanical Room layout using approved material submittal for Actual views Actual dimension, maintenance requirement and Plinth sizes,

Mechanical Draftsman

Dulb Trading & Contracting Co., Riyadh, Saudi Arabia

Apr 2008 – Jun 2010

Responsibilities:

- Prepared mechanical shop drawings for HVAC, plumbing, drainage, and firefighting systems.
- Developed layout, sectional, and schematic drawings in compliance with project specifications.

EDUCATION & TECHNICAL QUALIFICATIONS:

- **Bachelor of Science** – Osmania University (2004–2007)
- **Diploma in AutoCAD** – Datar Institute, Hyderabad
- **Revit 2024**
- **3Ds Max** – Best Software, Hyderabad

LANGUAGES:

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| • English | Urdu | Arabic |
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PERSONAL DETAILS

- Nationality: Indian
- Iqama Status: Transferable
- Marital Status: Married