



MUHAMMAD TOQEER

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ABOUT ME

I am an experienced HVAC Draftsman specializing in preparing precise shop drawings, coordination layouts, and as-built drawings for MEP projects. Skilled in AutoCAD, Revit, and MEP drafting, I focus on creating accurate ducting, piping, and equipment layouts that meet project standards and client requirements.

My experience includes working on commercial buildings, hospitals, metro projects, and high-rise developments, where I collaborated closely with engineers, consultants, and site teams to ensure smooth execution.

SKILLS & PROFICIENCIES

- Expertise in HVAC shop drawings
- Strong knowledge of mechanical systems and MEP coordination
- Accuracy, speed, and attention to detail in drafting
- Ability to support site teams with technical drawings and revisions
- I am passionate about delivering high-quality drafting solutions and eager to contribute to projects where precision and collaboration are essential.

EDUCATIONAL BACKGROUND

B-Tech Pass (Civil)

PIMSAT - Preston Institute of Management,
Sciences & Technology - (2009)

3 Year Diploma of Associate Engineer (DAE Architecture)

Govt. College of Technology, Railway Road,
Lahore. (2002 - 2005)

Matriculation (Science)

Board of Intermediate & Secondary Education,
Lahore. (2000 - 2002)

WORK HISTORY

Associate Engineer

National Engineering Services Pakistan (Pvt.) Limited
July 2007 to Present

NESPAK (National Engineering Services Pakistan) —
Leading Consultancy Firm in Pakistan

Responsibilities:

Produce accurate and detailed technical drawings, schematics, and plans for HVAC and Fire Fighting systems using AutoCAD and Revit software. Read and interpret architectural and engineering drawings to understand building layouts and integrate mechanical systems seamlessly. Collaborate closely with engineers and designers to translate design concepts into practical, buildable drawings with accurate equipment sizing and placement. Develop comprehensive ductwork and piping layout drawings, including dimensions, materials, and connection details. Revise and update existing drawings to reflect system modifications, updates, or repairs with precision. Maintain and organize drawing records, ensuring consistency with project documentation and standards.

Mechanical Inspector (HVAC)

Responsibilities:

Conduct detailed inspections of HVAC systems, including heating, cooling, ventilation, and refrigeration equipment, ensuring compliance with local codes, ASHRAE standards, and manufacturer specifications. Evaluate the quality of installation, materials, and workmanship against project requirements and industry standards. Review HVAC plans, shop drawings, and specifications to confirm alignment with actual on-site installations. Perform functional tests and performance evaluations to verify system efficiency and design compliance. Inspect ductwork and air distribution systems for proper installation, insulation, sealing, and airflow distribution. Prepare and communicate inspection reports, highlighting non-conformities and recommendations to contractors and project managers. Collaborate with engineers, inspectors, and project teams to ensure successful completion of HVAC-related works.

COMPUTER SKILLS

Proficient with numerous office automation tools including but not limited to:

- Autodesk AutoCAD
- Autodesk REVIT
- Microsoft Excel, MS Word, MS PowerPoint
- Can Efficiently Handle Internet Correspondence & Related Software.

PERSONEL DETAILS

Father's Name : Zahoor Ahmad

DOB : December 26, 1985

Nationality : Pakistani

Marital Status : Married

Passport No. AB7329591

Civil AutoCAD Draftsman

JERS Engineering Consultant

August 2005 to September 2006

Key Responsibilities:

Create precise and detailed technical drawings for civil and infrastructure projects using AutoCAD software. Collaborate with civil engineers, architects, and planners to translate design concepts into accurate drawings, including site plans, elevations, sections, and construction details. Develop designs and layouts for sewer and water mains, stormwater drainage systems, and pump stations, ensuring compliance with local authority standards, building codes, and design regulations. Prepare and maintain project documentation, including drawing revisions, as-built records, and technical reports. Coordinate with multidisciplinary teams to ensure integration of civil, structural, architectural, and MEP systems within project drawings. Apply company drafting standards and QA/QC procedures to maintain consistency and accuracy across all design deliverables. Stay updated on industry advancements, drafting software updates, and best practices in civil and infrastructure design.

Project Involvement:

Contributed to drawings and documentation for various disciplines including:

- Infrastructure Design
- Water and Wastewater Treatment Plants
- Urban Planning
- Architecture and Interior Design
- Structural Engineering