

## **JOB DESCRIPTION: Mechanical Engineer**

QA Engineering specializes in facility support design and construction services including mechanical, electrical, civil, fire protection and energy engineering, commissioning and lighting.

Candidate must have a P.E. or be within a year of obtaining a P.E. Applicant must be able to demonstrate an established career in residential, commercial and industrial design specific to Design and Construction documentation for HVAC systems in new and existing building, which includes air handling systems, DDC Temperature Controls, Energy and Energy Modeling, Building Automation Systems, chiller plants and associated systems, boiler plants, and both steam and hot water heating and associated systems. The applicant should also have some experience or familiarity with new advances in HVAC systems such as variable refrigerant systems, chilled beam, dedicated outside air systems, displacement ventilation and radiant cooling and heating. Although not required, familiarity of plumbing and fire protection systems, LEED, Commissioning, and Data Collection is a bonus. Strong written and verbal communication skills required.

### **Education:**

- BS degree in Mechanical Engineering
- P.E. (or within a year of obtaining a P.E.)

### **Requirements:**

- 3-5 years of experience in hands-on mechanical systems engineering design including production construction documents demonstrating ability to complete mechanical systems analysis, design and report writing.
- Revit MEP, AutoCAD and TraneTrace 700.
- Able to climb ladders and work at heights.
- Must have some familiarity with construction and commission processes.
- Must possess the ability to do site visits to assess all MEP equipment and controls.
- Some travel required.

### **Responsibilities:**

- Able to lead the mechanical design on a multi-discipline project.
- Must be able to create and assemble a complete set of mechanical construction documents.
- Review and audit construction specifications in Master Spec and Specs Intact.
- Assist in mentoring the design activities of junior engineers and designers to verify that quality controls and project criteria are met and within budget.
- Delegate these activities and train less experienced staff.

Applicants must be authorized to work in the U.S.

QA Engineering LLC is an Equal Opportunity Employer

All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability, protected veteran status, or any other characteristic protected by law.