

## **Consulting Engineer - Mechanical**

Designs HVAC and plumbing systems and creates construction documents for new construction and renovation projects. Develops and maintains relationships with clients. Performs field work for HVAC and plumbing system as-built. Works with the design team to develop mechanical system concepts for building projects. Maintains documentation and records for design projects. Performs feasibility studies and cost estimates for HVAC renovation work and mechanical system upgrades. Researches building codes as necessary. Assists in writing technical specifications and scope of work documents. Performs construction administration, including field observations, writing reports and working with contractors to creatively solve problems.

Specific skills required:

Degree in mechanical engineering

Able to build and maintain relationships with others on the design team, both in-house and externally

Desire to learn and grow as a professional, working within a truly collaborative team environment

5 – 8 years of HVAC design experience

Fluency in heating/cooling load calculations and AutoCAD software

Energy modeling experience

Ability to prioritize and organize multiple projects and assignments

Experience with typical Microsoft Office software products

Ability to obtain a favorable background check in order to work on government facilities

Additional skills desired:

Plumbing design experience

Experience with Revit software

Registered Engineer in Training or Professional Engineer

Cost estimating

Industrial project experience that includes piping design, pipe stress analysis, clean room HVAC design and hazardous material storage consulting