

Job Title: Mechanical Designer

Years of Experience: Designers will be classified in accordance with their experience.

To apply: Send resume and cover letter to careers@mwengineers.com

MW Consulting Engineers is accepting applications for a mechanical designer to join our mechanical design team here in Spokane, Washington. We are a firm that values the fundamentals that have allowed us to be successful. We are also interested in continuing to build on that success, while supporting our staff, their families, and the community we all live in.

MW wishes to speak to any and all mechanical designers who possess knowledge of mechanical (HVAC/Plumbing) design concepts and how they apply to complex institutional (civic, higher education, health care, corrections, laboratory, and research) projects. Successful candidates will be able to demonstrate possession of solid time and project management skills, excellent communication skills, and appropriate experience for the work we do. Experience with Building Information Modeling (BIM) software is necessary.

Here are some additional details:

General Characteristics

- Primary responsibility for the “nuts and bolts” of design of mechanical and plumbing systems, i.e., translating the design concept as determined by the project engineer into construction documents.
- Knowledge of codes and design and construction practices.
- Able to perform basic engineering design using AutoCAD and/or Revit with supervision.

Technical Responsibilities

- Equipment selection
- Writing specifications
- Preparing cost estimates
- Work with project engineer to compile the drawing list, layout drawings.
- Work with the project engineer to identify areas where the design may be adversely affected by MWCE’s ability to complete the project on time would be examples.
- Participate in department technical training sessions.

Managerial Responsibilities

- Directing Drafters

Communication Skills

- Coordinating information with other disciplines such as:

- Mechanical/Structural: mechanical equipment weights, dimensions, locations to structural designer; coordination of ducts, pipes, etc. with structural members.
- Mechanical/Electrical: mechanical equipment motor loads, fire/smoke damper locations, VFD's starters & disconnects, etc.
- Electrical/Mechanical: lighting fixture locations and fixture schedule.
- The designer may be the lead contact with the Architect/Owner.
- Maintain close communication with the project engineer as design progresses.
- Attend meetings off-site and perform site visits during design and construction administration

Education

- Technical school or Community College graduate.