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TBPE No. F-19823

## Plumbing Engineer / Designer

Reports to Team Leader

Market Title: Plumbing Engineer / Designer

### Job Purpose

The Plumbing Engineer / Designer will have overall responsibilities for the plumbing design on a project. The position will collaborate and direct other plumbing staff during the design and documentation of the plumbing system. The position will coordinate the plumbing design with all other disciplines so that the design is completely coordinated internally as well as with external clients.

Title and specific responsibilities dependent on qualifications and experience.

### Duties and Responsibilities

The primary duties and responsibilities of this position include the following:

- Prepare design documents appropriate for the project and in accordance with company standards
- Design of appropriate plumbing systems for the project including domestic water, sanitary, storm water and gas systems
- Documenting redmarks provided by the engineering staff on the project
- Performing appropriate calculations as directed by senior plumbing staff
- Knowledge of the state and local codes
- Coordination with other in-house disciplines as required
- Review and back-check work for complete and accurate documentation
- Monitor project status and development to meet project deadlines
- Coordinate the completion of the documents in the appropriate time to have a QA/QC review completed prior to the deadline for the project
- Coordinate staffing manpower needs weekly with the Project Manager
- Review the plumbing budget hours and coordinate any recommended adjustments with the Project Manager
- Work with team plumbing staff to identify tasks and assign staffing to complete the plumbing design

### Qualifications

The following qualifications are requirements of the position:

- Registered Professional Engineer OR Preference of a two-year technical degree or high school diploma (minimum)
- Two years of relevant MEP industry expertise (healthcare, education, commercial, federal, and light industrial)
- Ability to meet and socialize with clients to foster future repeat work
- Proficient in AutoCAD and Revit
- Able to work well and communicate with other disciplines within the firm as well as other consultants on the project
- Excellent interpersonal and communication skills
- Ability to work well with other plumbing staff to complete the plumbing design of the project and meet the project deadlines

**Continuing Education**

Beyond any specific outside education classes taken to maintain professional registration, 10 hours of company continuing education shall be required. This would include attending and participating in company discipline training sessions or appropriate approved outside training classes. Although attending vendor classes are encouraged to keep up with technology, this will not count toward the 10 hours of in-house training.

**Working Conditions**

This position requires night and weekend work at times to complete projects to meet deadlines.

**Physical Requirements**

The ability to carry up to 50 lbs. of drawings and carry and/or climb ladders is a requirement of the position.

**Direct Reports**

None