

Senior Mechanical/Plumbing Designer

Assisted engineers in design and engineering skills to a variety of diverse and challenging projects in a multi-disciplinary environment. The position requires experience in creating engineering design documents for construction of facilities, structures, or civil utilities and infrastructure. Past experience must include design consulting business, with demonstrated commercial or industrial design capabilities.

RESPONSIBILITIES

- Performs engineering assignments with clear and specified objectives and involving conventional types of plans and specifications.
- Reviews work for the application of sound professional judgment.
- May be asked to perform basic design calculations such as piping, ductwork or ductulator sizing using standard formulas or look-up tables.
- Performs design calculations and prepares equipment or material specifications.
- Familiar with the AE design process and specifications leading to construction documents.
- Prepare graphical representations of designs.
- May be required to coordinate the work of other designers.
- Coordinates the work of designers and other technical support personnel.
- Other duties may be assigned

LEVEL OF EDUCATION & EXPERIENCE

- 2-year Associate's Degree in Design Engineering or 10 yrs Design experience
- Minimum 7–10 years of years of Revit, CAD, Mechanical & Plumbing Design Experience

KNOWLEDGE, ABILITIES AND SKILLS

To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements listed below are representative of the knowledge, skill, and/or ability required. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

- Proficient with MS Office software; including MS Word, and Excel
- Proficient with Computer Assisted Drafting (CAD) and software such as AutoCAD
- Experience preparing graphical representations of designs
- Experience in graphical design of the following: HVAC, plumbing, fire protection, controls, and fire detection systems
- Demonstrated ability to work successfully in a team environment
- Demonstrated ability to work successfully in a fast-track environment
- Ability to apply concepts such as fractions, percentages, ratios, and proportions to practical situations.
- Ability to apply concepts of basic algebra, geometry, and financial functions.

- Ability to interpret an extensive variety of technical instructions in mathematical or diagram form and deal with several abstract and concrete variables.
- Ability to effectively present information and respond to questions from groups of managers, clients, customers, and the general public.