

## **COMPANY BACKGROUND**

ATSR is a nationally recognized, multi-disciplinary planning, architectural, and engineering firm specializing in planning and design of educational facilities. We thrive in creating long-term relationships with our clients, some for more than 71 years. Our 78 years of continuous service is testimony to the comprehensive in-house disciplines and single-source responsibility which we provide to our clients.

## **POSITION OVERVIEW – MECHANICAL ENGINEER (EIT)**

The Mechanical Engineer plays a key role in the successful execution of projects. Reporting to the Senior Project Manager and Director of Mech, this individual will provide technical and engineering excellence, as well as successful delivery of work to our clients. The Engineer is responsible for a high level of customer satisfaction by ensuring expectations are clearly communicated and managed – both externally and internally. The successful candidate will also contribute to a dynamic team environment by being proactive, communicating clearly and frequently, and modeling a highly collaborative working environment.

## **TYPICAL RESPONSIBILITIES**

Specific responsibilities will include, but not be limited to, the following:

- Prepares engineering documents and equipment specifications to meet contracted scope of work and to ensure application of Thermodynamic Principles (e.g., HVAC Engineering and Design, load/energy modeling calculations, etc.) and Plumbing Design.
- Learn a basic understanding of Architectural, Electrical, Civil and Structural Engineering construction practices.
- Will serve as a future project manager for complete projects, overseeing a project team.
- Support the business development process through input to proposals, meeting and presenting to prospective clients, etc.
- Provides technical and engineering support to other departments/disciplines.
- Learning Construction administration- leading and attending meetings, reviewing change orders, responding to RFI's.
- Performing engineering calculations: i.e.: pump head, static pressure, load calculations.
- Learning and performing load calculations.
- Learning and attending seminars on various mechanical and plumbing systems.

## **KEY PERFORMANCE CHARACTERISTICS**

- Is well organized, resourceful, and planful
- Effective and efficient at marshalling multiple resources to get things done
- Lays out tasks in sufficient detail
- is able to get things done with less and in less time; can work on multiple tasks at once without losing track
- foresees and plans around obstacles
- Builds Relationships
- Treats people with respect; relates well to people regardless of their organization level, personality, or background
- Encourages others to express their views, even those contrary to current thinking.

## **KNOWLEDGE, SKILLS & ABILITIES**

The successful candidate will have strong interpersonal skills to enable effective interaction with Designers, Engineers, and Project Managers. This person will also possess strong communication skills, and influencing skills, and has demonstrated the maturity and self-confidence to work with colleagues and clients. The level of seasoning we are looking for likely comes with a minimum of 0–4 years of experience following graduation. The successful candidate will be naturally collaborative and possess the ability to assimilate a range of ideas, programs, or alternatives into a set of recommendations. This person will be directed by other project engineers or the department head and thrive in an environment where consultation leads to superior outcomes. Additional qualifications the successful candidate will possess include: Knowledge in both Revit and AutoCAD.

- Strong attention to detail.
- Adaptable and agile, responsive to quick changes in direction.
- Ability to establish rapport and credibility with clients and other stakeholders.
- Knowledge of Fluid Dynamics and Thermodynamics.
- Basic knowledge of plumbing.
- Strong abilities with Excel and Word.

## **EDUCATION**

Bachelors' degree in Mechanical Engineering is required, having passed the FE exam, and set up for future Professional Engineering Registration or willingness to pursue this designation is also required.