

Job Description
Job Title: Design Engineer

Duties and Responsibilities:

- Reports to Manager, Project Services
- Depending on project complexity, may work in conjunction with a Senior Design Engineer or individually
- Develop recommendations for air handling unit arrangements, construction, performance, and equipment options to meet customer specifications
- Create air handling unit layout drawings and construction details using AutoCAD
- Complete beam loading, static pressure, condensation, and sound calculations
- Make equipment selections using manufacturer's selection software
- Lead design review and pre-detail meetings
- Compile drawings, construction details, equipment schedules and selections, testing documents, and component data sheets into a submittal
- Coordinate with project management, consulting engineers, contractors, and owners to obtain submittal approval
- Create and edit project Bill of Materials
- Ensure purchased parts are correct and meet customer and internal specifications
- Determine solutions to manufacturing issues during production
- Assist with leakage, deflection, airflow, sound power, and sound pressure testing
- Minimal travel to provide engineering assistance with field issues, site walks, or on-site customer meetings.

Education:

- Bachelor's Degree in Mechanical Engineering. A Degree in Mechanical Engineering Technology may also be considered with applicable experience.

General:

- Continue self-directed education to increase overall understanding of equipment performance limits, best application practices, current temperature control methods and any other skills that are beneficial to the role of a Design Engineer.
- Other duties as required.

Status: Exempt

Nothing in this job description restricts management's right to assign or reassign duties and responsibilities to this job at any time.