

HVAC Systems Designer Job Description

Title: HVAC Systems Designer

Purpose: Support Charlotte Engineering Design Department

Company Information

Since its establishment in 1948, Mechanical Contractors has been serving Charlotte, Raleigh and surrounding areas with design, installation, and service of mechanical systems - over 65 years of expertise. We have over 150 employees and offer full engineering services on HVAC design. MCI continues to evolve into high performance HVAC solutions for the construction industry and has developed significant expertise in energy performance LEED Certification, design build delivery, and renewable energy.

Overall Position Description

MCI seeks a HVAC Systems Associate to design multiple, complex HVAC projects for a large commercial HVAC Contractor throughout North and South Carolina in a professional and profitable manner. The position reports to the Engineering Services Manager and is located in **Charlotte, NC**.

Key Job Tasks

- **Design Duties Include:**
 - Select and design HVAC systems:
 - Load analysis
 - Equipment selection
 - Duct & piping design
 - Generate plans and coordinate with other trades
 - Shop drawing for construction
 - Submittal approval and site inspections
 - Interact with building owners, property management, and members of design and construction team
 - On a limited basis:
 - Develop and maintain CAD/BIM standards and details
 - Assist with service and controls group
 - LEED Project review and documentation
- **Maintain effective communications with Project Teams:**
 - Communicate with interdepartmental Marketing, Sales, and Estimating individuals.
 - Communicate with Project Leaders during progress meetings and coordinate closely with all project teams on any special requirements projects may have (i.e. LEED).
- **Ensure customer satisfaction during project:**
 - Communicate with Project Team to identify conflict and work to resolve issues to meet customer and project requirements.
 - Maintain high quality of design documents from initial design through completion of construction.

Qualifications

Required Experience/Education Requirements:

- Ability to read and understand construction drawings, specifications, and contract documents
- College degree or community college diploma in mechanical engineering or construction management
- Excellent working knowledge of Autodesk products including AutoCAD and Revit MEP versions 2013, 2014, 2015, Navisworks, and Trane Trace/Carrier HAP.
- Knowledge of HVAC equipment and systems
 - Ductwork, piping, refrigeration, compressed air, gas piping, and steam systems
- Minimum of 5 years related experience or have demonstrated knowledge, skills, and abilities to perform the above-mentioned tasks.

Beneficial Skills and Expertise:

- NC Mechanical Contracting License
- Knowledge of Energy Management Systems and/or temperature controls considered an asset

Personal Characteristics and Expectations:

- Ability to multi-task
- Accuracy and attention to detail
- Communicates well with co-workers and customers
- Professional in manner and attire
- Strong customer service interaction

Compensation

Salary- based on qualifications

Plus performance bonus

Benefits including Medical, Dental, FSA, Life Insurance, Disability, 401K

Interested in this opportunity?

Contact:

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