OVERVIEW

Primary Responsibilities:
• Assists senior designers and engineers in fire suppression and detection system design tasks
• Assists in creation of calculations, drawings and specifications related to fire suppression and detection systems
• Assists in coordinating all aspects of the project design with project management, architects and other trades through the completion phase of a project
• Performs and reviews CAD and REVIT drafting work, calculations, fabrication reports, cut-sheets and field prints
• Learns and applies applicable codes, specifications and criteria required to support the design of multiple projects
• Examines field conditions, conceptual and construction documents to develop a constructible system

Roles and Responsibilities
Assists Senior Engineers in design tasks as required.
Performs basic deliverables and products such as calculations, drawings, and specifications related to heating, ventilating, and air-conditioning systems under supervision of Senior Engineers.
Perform basic calculations for a project, such as heating/cooling loads, equipment selection, and sizing, pipe and duct sizing, friction loss calculations, etc.
Assist in coordinating all aspects of the project design with project management, architects, and other trades through the completion phase of a project.
Perform and check CADD drafting work.
Review applicable codes and criteria and examine field conditions as required to support design of project.
Education and Qualifications
Pursuing a Bachelor’s Degree in Mechanical Engineering; 0-3 years experience in related field. Completion of classes in Thermodynamics and HVAC Design is highly desirable.

Ability to read and interpret technical documentation including CAD drawings, Blueprints, Submittals, etc.
Ability to work at a computer terminal with mouse and keyboard for several hours per day.
Ability to visit job construction areas and climb stairs, maneuver in and around pipework and air ducts and work safely in close proximity to construction materials and equipment.

Preferred Skills
Basic knowledge of HVAC design to include types of equipment utilized in the industry as well as general understanding of system operations (i.e. variable air, constant volume, refrigeration cycle.)
Ability to communicate with all levels of management, including project management and field trades.
Ability to read mechanical and plumbing plans.
Competent with general business writing.
Has competency in basic computer skills to include CADD and Microsoft Office products (specifically Excel.).

How to Apply
Email hr@southlandind.com, specify in subject line – UNLV Fire Protection Internship.