Fire Protection Engineer

Job Description:

JENSEN HUGHES has a job opportunity for a Fire Protection Engineer in Washington, DC with experience in life safety code consulting, and sprinkler, fire alarm, and performance-based fire engineering design. The Associate will provide full-time, on-site engineering and technical support at a high profile government location, collaborating with a team of fire protection engineers with diverse backgrounds and experience levels. This is an exciting opportunity to gain fire protection experience and knowledge in a wide range of fire suppression, fire alarm, and life safety systems and approaches, in a unique and challenging setting.

The successful candidate will:

- Conduct design review and commissioning services for fire protection, fire alarm, and life safety systems. Duties include review of designs and submittals; verification of as-built and redline drawings; construction surveys and inspections; development and partial witnessing of pre-functional checklists; and development and executing functional performance tests.
- Review of designs will include evaluating whether the designer has met the owner's intent based on contract serviceability, maintainability, and operability requirements, that the designer has adhered to all applicable building, fire and life safety codes, and assess whether fire protections systems and components are adequately sized for owner/tenant identified requirements.
- Provide technical assistance to develop statements of work for projects related to all aspects of the built environment for building owner and stakeholders.
- Apply fundamental fire and life safety engineering principles to create performance based solutions to design challenges that are not addressed by the straightforward application of existing fire protection codes and standards.
- Conduct building code and egress analyses, fire detection and alarm systems reviews, smoke control systems reviews, and sprinkler and water supply systems reviews, including hydraulic calculations.
- Perform surveys and/or analysis to ensure compliance with the most current version of the National Fire Prevention Association (NFPA) codes and standards and the Unified Facilities Criteria (UFC). Perform calculations as assigned such as size required means of egress, maximum allowable building area, sprinkler system water supplies and smoke control equipment.
- Provide engineering support to the building management office for fire alarm and fire protection system inspection, testing, and maintenance.
- Propose additions, changes, and updates to existing fire protection and life safety codes, standards, and regulations, such as NFPA, UFC, WHSBC, and the WHSFR. Perform impact analysis on the consequences of new code adoption and code cycle changes to construction project requirements and building operations.
- Investigate fire, smoke and fire alarm activation related incidences to assist in determining cause and make recommendations for improvements of policies and practices.
- Meet client and customer needs and expectations by completing assigned tasks in the time allotted, and effectively communicating with project team members, clients, customers, and others. Compose technical letters and reports to address specific technical concepts as may be needed by assigned tasks.

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Requirements:
BS degree or MS Degree from accredited US program in mechanical engineering or fire protection engineering or other related engineering area
5 years experience to include fire code, life safety or fire suppression systems experience.
Excellent communication (verbal and written) and customer service skills
Candidates must be able to pass a general federal background check
Candidates who have recently passed their EIT and/or who have their PE license will be looked upon favorably
US Citizenship is required due to federal contract regulations