

Date: August 2020

Subject: Senior Fire Protection Engineer – Moon Township, PA (Pittsburgh) – Job Number 200675

Michael Baker International

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The fire protection engineering group is a portion of Michael Baker's Architecture, Engineering and Planning (AEP) Practice. Baker's Moon Township AE group is full service, consisting of structural, mechanical, fire protection, electrical and telecom engineers along with architects, planners, landscape architects and interior designers. With the variety of employed professionals, the candidate will have the opportunity to work with all facets of vertical building engineering and design.

The fire protection engineering group is looking for a full time Senior Fire Protection Engineer in the Moon Township, PA office.

Job Description

The Senior Fire Protection Engineer will be responsible for completing projects with little or no supervision. Projects include all aspects of fire protection engineering design from 'cradle to grave'. This includes the responsibilities of proposal preparation, complete system design, site evaluations, and testing and commissioning of systems. Typical projects and types of systems include: fire sprinklers, fire pumps, high expansion foam, clean agent systems, fire alarm and mass notification systems. Typical buildings and facilities include: office buildings, storage and warehouses, aircraft hangars, and maintenance facilities.

- Complete fire protection system designs and be the designer of record for sprinkler, fire pump, fire alarm and mass notification systems
- Be responsible for project budgets and project work schedules
- Assist junior staff with project completion
- Perform hydraulic calculations for sprinkler and fire pump design
- Analyze life safety requirements for buildings, including building code compliance, occupant load calculations and egress analysis
- Perform on-site system evaluations and assist with final system testing
- Summarize submittals and contractor Requests for Information for review
- Coordinate designs with other engineering disciplines

Requirements

- Bachelor's Degree in Fire Protection Engineering; Master's Degree is preferred
- 9+ years of professional experience
- P.E. License
- Experience in Fire Protection system design including: fire sprinkler systems, fire pumps, clean agent systems, high expansion foam systems, fire alarm and mass notification systems
- Experience in computer generated hydraulic design
- Knowledge of and experience with building and design codes, specifically IBC, NFPA 101, NFPA 13 and NFPA 72
- AutoCAD and Revit experience are preferred

Salary

Salary will be based on qualifications and experience

Supervisory Responsibilities

This job has no supervisory responsibilities

Location

The position is located in Moon Township, Pennsylvania (15 miles west of Pittsburgh)

Travel

15-25% travel based on project schedules

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