



## **Project Engineer**

BECS is seeking an entry level college graduate with an interest in building enclosure consulting or structural engineering. A Bachelor's degree from an accredited college or university from schools of architecture; engineering; physical sciences; building construction and technology; or similar interdisciplinary programs that integrate architecture or structural engineering is preferred. Qualified candidates consider themselves problem solvers with a desire to apply learned skills to develop practical and innovative solutions for the built environment. Ideal candidates will have the capacity to pursue licensure as an Architect and/or Structural Engineer, and/or earn related professional certifications. A qualified candidate will be graduating their program or have up to five years of relevant work experience.

### **Requirements:**

- Bachelor or Master of Science in Building and Construction Technology, Architecture, Architectural Engineering, Physical Sciences, or Civil Engineering with sound knowledge of building materials, field investigation methods, and scientific principles as they relate to structural and/or building enclosure performance.
- Interest in participation in local or national professional organizations
- Ability to work in the field and to travel outside local area as workload and projects require
- Strong skills in Adobe and the Microsoft Office Suite, primarily Word, Excel, and PowerPoint and various design programs
- Excellent written and verbal communication skills

### **Candidates should be familiar with the following:**

- Structural engineering principles and/or design and construction of building enclosures
- Determining the appropriate use and selection of materials
- Developing structural or building enclosure details and specifications

### **Typical Functions:**

Developing solutions to challenges associated with the performance of new and existing buildings and structures requires demonstrating proficiency and interest in developing proficiency in the following activities:

- Conducting the investigation and repair of existing failing structures and/or building enclosure systems
- Providing design recommendations that minimize failures

- Providing design-assist services related to structures and/or enclosure systems and completing construction period services
- Applying knowledge in resolving complex building enclosure issues, including evaluating existing design
- Completing pre-construction design reviews
- Completing on-site failure investigations, condition assessments, and litigation support (at new and existing construction) to evaluate problematic conditions; including survey and documentation of distress, field testing, sampling, photographing, and sketching
- Organizing field data to facilitate analysis and problem solving
- Analyzing research and investigation data and develop alternate schemes for solving problems
- Researching historical background of project structures, technical issues, and code issues; maintains familiarity with changing code requirements
- Preparing draft investigation reports, repair sketches, bid documents, addenda, change orders, and other work product
- Conducting on-site observations of work in progress and prepares site visit reports using various reporting formats
- Performing project-related administrative requirements including client communications

BECS was established with a specific core of engineering expertise geared toward serving multi-residential condominium and home owners' associations, small to large size commercial clients, real estate investment portfolios, and historical structure restoration. We recognize trends suggesting the need for increased investigative capacity through engineering study and surveys coupled with performance based Contractor selection in order to reduce call backs, improve quality, limit disruption, and reduce project costs. BECS is licensed in the District of Columbia, Maryland, Virginia, Pennsylvania, New York, Mississippi, and Alabama.

Building Envelope Consultants and Scientists, LLC offers competitive salaries and benefit packages:

- Full health and dental coverage
- 401(k) incentive with employer match
- Paid vacation and personal leave
- Reimbursement for auto and mobile phone
- Tailor paid training programs
- Bonus and profit sharing opportunities

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