

## Building Envelope Analyst

## Building Envelope / Enclosure Commissioning Agent / Energy Specialist

Sain Engineering Associates, Inc.

### Role

Serve as the functional area lead for building enclosure commissioning and project manager for building enclosure energy efficiency upgrades.

### Primary Responsibilities

- Complete constructability and third-party peer reviews of plans and specifications prepared by others.
- Conduct investigations and conditions assessments in order to determine appropriate repair of damaged and/or poorly performing building envelope systems.
- Complete design assignments related to upgrades, maintenance, and restoration of existing buildings, as well as components of design related to new construction.
- Manage projects and teams in both new and existing construction in a variety of envelope-related projects, assuring QA/QC in the final product.

### Qualifications

- Bachelor's degree in Engineering, Architecture, Building Science, Construction Management, or 10 years of relevant experience preferred.
- Registered Architect (RA) or Engineering (P. Eng./PE) preferred.
- International Institute of Building Enclosure Consultants (IIBEC) Certifications preferred:
  - Registered Roof Observer – RRO®
  - Registered Building Enclosure Consultant – RBEC®
  - Certified Building Enclosure Commissioning Provider- CBECxP®
- Other accredited building envelope certifications may be acceptable.
- Applicants immediately ready to sit for an enclosure certification will be considered.

### Knowledge, Skills and Abilities

- At least four years' experience in assessing, detailing, construction oversight and testing building envelope systems or equivalent.
- Practical knowledge of waterproofing, vapor barriers, air barriers, thermal barriers, below and above grade walls, flashing, roofing, cladding, rain screens, and other related systems.
- A strong understanding of building science and the application of that knowledge to predict and solve issues related to the building envelope.
- Experience predicting existing building envelope failures and performing analysis of existing building envelope failures.
- Designing systems or processes for existing buildings to repair building envelope failures.
- Proficient in developing and reviewing construction documents including details, specifications, shop drawings, and submittals.
- Experience performing building envelope tests, both destructive and non-destructive.
- Knowledge and experience with ASTM / AAMA testing standards.
- Analysis of envelope using thermography and various other diagnostics tools.
- Strong written and verbal communications skills.
- Ability to work comfortably at height; includes rooftops, elevated platforms, scaffolding.
- Ability to lift and carry large, bulky, or heavy test equipment.
- Proficient with Autodesk suite, Microsoft Office suite, Adobe, Bluebeam Revu.
- Experience with modeling and commissioning software a plus.