

Nikki Baldvins | Associate III



EDUCATION

- University of Massachusetts, Amherst
 - Bachelor of Science, Civil Engineering, 2006
- University of Washington
 - Master of Science, Structural Engineering, 2010

PRACTICE AREAS

- Facade Assessment
- Roofing and Waterproofing
- Leakage Investigation
- Structural Evaluation
- Condition Surveys

REGISTRATIONS

- Certified Construction Documents Technologist

PROFESSIONAL AFFILIATIONS

- American Society of Civil Engineers (ASCE)
- Structural Engineers Association of Massachusetts (SEAMASS)

CONTACT

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EXPERIENCE

Nikki Baldvins' diverse background in construction and engineering is applied to the inspection, evaluation, and problem solving of new and existing structures. She works on a variety of projects ranging from roofing, structural, and facade inspections to water leakage investigation and testing. Ms. Baldvins also has experience leading field teams for nationwide structural inspections.

Ms. Baldvins started her career at WJE as an independent contractor, where she was involved with multiple projects focusing on structural investigations. Prior to joining WJE, she worked as a field engineer for Daniel O'Connell's Sons, Inc. Ms. Baldvins then worked as a graduate research and teaching assistant at the University of Washington, where her research focused on evaluating the performance of steel-plate shear walls as a seismic force resisting system.

REPRESENTATIVE PROJECTS

Facade Assessment

- Bank of America - Providence, RI: Difficult access of stone facade and annual maintenance inspections
- Fenway Trilogy Apartments - Boston, MA: Assessment of precast concrete facade
- 185 Franklin - Boston, MA: Assessment of stone facade
- URI, Shepard's Building - Providence, RI: Assessment of historic cast-iron storefront
- 53 State - Boston, MA: Complete inspection of curtain wall facade

Roofing and Waterproofing

- 266 Second Avenue - Waltham, MA: Design of new EPDM roof replacement
- Assumption Chapel - Worcester, MA: Replacement of standing seam metal roof
- 185 Franklin - Boston, MA: Assessment of PVC roof

Leakage Investigation

- Boston Housing Authority - Bromley/Heath Development - Boston, MA: Water leakage investigation of masonry facade
- Fairmont Copley Plaza Hotel - Boston, MA: Water leakage investigation of roof and surrounding parapet walls and masonry

- 388 Commonwealth - Boston, MA: Water leakage investigation of a second-floor roof patio
- Massachusetts General Hospital Wellness Center - Boston, MA: Water leak investigation of pool deck and health club below

Structural Evaluation

- Major Nationwide Retail Chain: Inspection of roof truss joist welds
- Boston Housing Authority - Bromley/Heath Development - Boston, MA: Condition assessment through masonry inspection openings
- St. Luke's Episcopal Church - Chester, VT: Structural investigation of the church tower

Condition Surveys

- Old South Church - Boston, MA: Survey of all existing windows
- Amherst College, Seligman Dorms - Amherst, MA: Condition survey of brick masonry facade