



BC&E_{LLC}

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Professional Qualifications

Abby J. Hunkler, P.E.

Associate

EDUCATION

Bachelor of Science, Civil Engineering, Tufts University, 2014

PROFESSIONAL REGISTRATIONS AND MEMBERSHIPS

Registered Professional Engineer in Colorado and California

Memberships: National Roofing Contractors Association (NRCA)

PROFESSIONAL EXPERIENCE

2020 - Present: BC&E, LLC
Associate

2019 - 2020: Tetra Tech, Inc.
Marlborough, Massachusetts
Civil Engineer

2014 - 2019: Simpson Gumpertz & Heger, Inc.
Boston, Massachusetts
Building Technology Project Consultant

Abby Hunkler has experience in a variety of practice areas relating to the assessment, repair and rehabilitation of building envelope and structural systems, including historic and contemporary facilities.

Ms. Hunkler is knowledgeable in the evaluation and repair of existing structures, including brick, concrete, or other stone façade repairs, window replacements, and roofing repairs or replacements. Her experience includes performing building investigations to determine the extent of damage or deterioration to the structure and confirm as-built conditions, evaluating repair options for appropriateness and effectiveness, and developing repair sketches and repair documents. She also has experience performing testing to determine cause of water ingress through roof systems, window systems, and wall systems.

Ms. Hunkler has also completed numerous university campus facility condition assessments. On one particular project she was part of a team that performed building envelope evaluations of 20 residential facilities that ranged in age, size, and construction type on one campus in order to assist the university in prioritizing repairs. On a similar project she evaluated several early-1900 transitional masonry buildings to identify sources of damage and distress, including performing exploratory openings at representative and severely distressed locations and developed progressive repair options so that the client could target repairs within budget constraints to properly repair and maintain their facilities.

She is also experienced in the evaluation and design of building envelope components on modern buildings including below-grade waterproofing, various façade types, curtain walls, and roofing systems. She has specific experience in evaluation and repair of buildings with high interior relative humidity such as pool enclosures in cold-weather environments which require special attention to performance of mechanical HVAC systems, insulation, and air/vapor barrier systems and details.

Ms. Hunkler has performed numerous façade evaluations on a variety of cladding systems with direct regard to their water tightness, structural performance, and durability.

Her current experience with window systems includes evaluation, water testing, exploratory investigation, and design of replacement systems for all types of buildings.

She has provided construction observations for new construction and renovation projects including the evaluation and testing of installed building envelope components. She routinely interfaces directly with clients and contractors to provide construction related design and administration services.