



EDUCATION

- Smith College
 - Bachelor of Science, Engineering Science, 2018
- University of Massachusetts Lowell
 - Graduate Certificate, Plastics Engineering Fundamentals, 2021

PRACTICE AREAS

- Roofing and Waterproofing
- Historic Preservation
- Building Enclosure Consulting
- Plazas and Terraces
- Masonry
- Failure/Damage Investigations
- Litigation Consulting

CONTACT

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EXPERIENCE

Susannah Davis joined WJE in 2022 as an experienced field engineer and building envelope consultant. Ms. Davis's work focuses on assessing, repairing, and replacing existing facade and roofing systems, emphasizing public projects. Her time as a field engineer on Boston's MBTA Green Line Extension project informs her current construction period services work.

Ms. Davis favors a materials-centered approach to building envelope systems. Her roofing experience includes historic slate, lead and zinc-coated copper, asphalt shingle, modified bitumen, TPO, and PVC roofing. Her facade experience includes historic brownstone, limestone, precast concrete, brick veneer, and composite metal panels. Ms. Davis is currently pursuing a master's degree in plastics engineering, deepening her expertise in the properties and interactions of membrane, sealant, and insulation technologies.

REPRESENTATIVE PROJECTS

Roofing and Waterproofing

- Chelsea High School - Chelsea, MA: Roof assessment and development of construction documents for roof replacement *
- Swansea Town Hall - Swansea, MA: Development of construction documents and construction period services for replacement of the historic slate roof *
- Central Fire Station - Lynn, MA: Roof assessment and development of construction documents for roof replacement *
- Framingham Public Library - Framingham, MA: Roofing assessment and schematic design development for lead-coated copper roof replacement *
- Taunton Alternative High School - Taunton, MA: Condition assessment and development of construction documents for roof replacement *

Historic Preservation

- Trinity Church - Boston, MA: Masonry condition assessment and vibration monitoring *
- Harvard Hall - Cambridge, MA: Evaluation of materials for historic brownstone restoration *
- Mary Baker Eddy House - Boston, MA: Evaluation of historic slate roof *

Building Enclosure Consulting

- Talia Apartments - Marlborough, MA: Construction period services and failure investigation for facade replacement *
- Winthrop Center - Boston, MA: Construction period building enclosure consulting for new build *
- Quincy T Apartments - Quincy, MA: Construction period building enclosure consulting for new build *

Plazas and Terraces

- Belvidere Plaza - Boston, MA: Construction period services for plaza waterproofing replacement *

Masonry

- Wellesley Middle School - Wellesley, MA: Assessment and development of construction documents for facade repair *

* Indicates work previous to WJE