

### Brandon Lathe | Associate I



#### EDUCATION

- University of Connecticut
  - Bachelor of Science, Civil Engineering, 2021

#### PRACTICE AREAS

- Facade Assessment and Repair
- Computer-Aided Drafting and Design
- Structural and Enclosure Testing
- Roofing and Waterproofing
- Building Enclosure Consulting and Commissioning
- Steel and Wood Structures
- Failure Analysis
- Construction Materials
- Nondestructive Evaluation
- Windows/Curtainwalls/Skylights

#### PROFESSIONAL AFFILIATIONS

- American Society of Civil Engineers
- Structural Engineering Association of Massachusetts

#### CONTACT

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#### EXPERIENCE

Since joining WJE in 2021, Brandon Lathe has been involved with numerous projects, practice areas, and materials. He investigates conditions within the structural and building enclosure systems of historic and new construction buildings.

Mr. Lathe is familiar with facade access methods, including aerial lift, suspended scaffolding, and supported scaffolding to gain close-range access to locations of distress. He is proficient with AutoCAD, with which he has designed and drafted repairs and details for various construction documents. Mr. Lathe also works with various materials, such as precast/cast-in-place concrete; structural steel and wood; brick and stone masonries; silicone and polyurethane sealants; and EPDM, TPO, and PVC roofing membranes.

#### REPRESENTATIVE PROJECTS

##### Facade Assessment and Repair

- Boston City Hall - MA: Facade ordinance inspection; removal of delaminated materials and fall hazards
- 26 Court Street - Boston, MA: Facade condition assessment and stabilization of a historic courthouse clad in brick, limestone, and cast stone masonry
- 2 Hampshire - Lawrence, MA: Facade repair involving cast-in-place concrete, brick masonry, and silicone sealant materials
- Bostonian Hotel - Boston, MA: Analysis of damaged limestone cladding and design of repairs

##### Computer-Aided Drafting and Design

- Meriel Marina Bay - Quincy, MA: Design and drafting of structural framing connections and drafting of construction documents for reclad
- Watertown Mews - Watertown, MA: Design and drafting of balcony stabilization
- 2 Harbor Way, Level 1 - Boston, MA: Drafting of waterproofing details for plaza alteration
- Monument Plaza - Clark County, NV: Drafting of plaza repair details, including decorative terrazzo materials
- Fort Rosecrans National Cemetery - San Diego, CA: Drafting of new stairwell design

##### Structural and Enclosure Testing

- 1330 Boylston - Boston, MA: Water infiltration investigation and testing of an existing expansion joint between two buildings
- 121 Seaport - Boston, MA: Water infiltration investigation and testing of a unitized curtain wall system and overlying vegetated roof
- Parcel H - Cambridge, MA: Instrument-based load testing of rope stops on a sloped roof
- Sargent Hall - Boston, MA: Load testing of new and existing railings on roof and balcony ledges
- Massachusetts Institute of Technology, Strata Center - Cambridge: Water infiltration investigation and testing at a curtain wall and skylight system

##### Roofing and Waterproofing

- 2 Hampshire Street - Lawrence, MA: Full reroofing, including baseboard, insulation, waterproofing components, and pavers
- Otis House - Boston, MA: Roofing repairs at a historic museum
- 200 Berkeley - Boston, MA: Investigation of roofing deficiencies inside a cooling tower
- Hilton Hotel - Boston, MA: Investigation and testing of waterproofing deficiencies between a vaulted sidewalk and subgrade hotel floor level

##### Building Enclosure Consulting and Commissioning

- Fenway Music Theater - Boston, MA: Water testing of new insulated glazing unit utilizing a spray rack
- Park Lane - Boston, MA: Quality assurance consulting for installation of silicone sealant at precast concrete panel and aluminum curtain wall perimeter joints
- Hurricane Ida Damage Assessment - New Orleans, LA: Fenestration evaluation
- Residence Inn - Burlington, MA: Investigation of failed/detaching fiber cement cladding