

Stuart Lyons | Associate III



EDUCATION

- University of Massachusetts Dartmouth
 - Bachelor of Science, Civil and Environmental Engineering, 2010

PRACTICE AREAS

- Roofing and Waterproofing
- Building Enclosure Commissioning
- Construction Troubleshooting
- Curtain Wall Systems
- Leakage Investigation
- Repair and Rehabilitation Design
- Masonry Structures
- Facade Assessment

PROFESSIONAL AFFILIATIONS

- Boston Building Enclosure Council
- Construction Specifications Institute - Boston Chapter
- International Institute of Building Enclosure Consultants - Boston Chapter

CONTACT

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EXPERIENCE

Stuart Lyons is experienced in investigations of contemporary and historic structures. Through the investigation, repair design, and peer review of building enclosure systems, he has gained experience in the design, installation, and performance characteristics of various building assemblies and materials. Mr. Lyons' work involves condition assessment and evaluation of assembly or material failures followed by the development of repair recommendations.

His expertise also includes observation during the construction or repair of materials, such as fenestration products, roofing, cladding systems, masonry, stucco, and sealant, as well as a review of both lab and field quality assurance testing. In addition, Mr. Lyons provides building enclosure commissioning services for a variety of new building types, including hospitals, high-rise apartment complexes, and universities.

REPRESENTATIVE PROJECTS

Roofing and Waterproofing

- Mario Umana Middle School - East Boston, MA: Design of an energy code-compliant, 90,000-square-foot, styrene-modified bitumen roof replacement system with existing flashing repair/replacement details and construction phase field observations
- Clocktower Condominiums - Pittsfield, MA: Investigation of roofing cover board failure related to incidental moisture capture; repair recommendations
- Harvard Business School, Tata Tunnel - Allston, MA: Subgrade waterproofing design assist and construction phase field observations

Building Enclosure Commissioning

- Harvard Business School, Tata Hall - Allston, MA: Enclosure commissioning, design-assist, and construction phase field observations
- Maine General Health, New Regional Hospital - Augusta, ME: Enclosure commissioning, peer review, and construction phase field observations
- Owensboro Medical Health System Replacement Hospital - Owensboro, KY: Enclosure commissioning, peer review, and construction phase field and testing observations

Construction Troubleshooting

- Edward Kennedy Community Health Center - Framingham, MA: Construction phase fenestration leakage investigation and repair recommendations
- University of Massachusetts Lowell, New South Academic Building - Lowell: Construction phase air and vapor barrier discontinuity investigation and repair recommendations

Curtain Wall Systems

- University of Massachusetts Dartmouth, Claire T. Carney Library - Dartmouth: Curtain wall system design assist and construction phase field observations
- 53 State Street - Boston, MA: Unitized curtain wall condition assessment and repair recommendations

Leakage Investigation

- Rhode Island State House - Providence: Investigation of water penetration and condensation damage at the plaster ceilings
- Massachusetts General Hospital, Blake Ellison Building - Boston, MA: Investigation of water penetration through a unitized curtain wall system

Repair and Rehabilitation Design

- Cambridge Housing Authority, Lyndon Baines Johnson Apartments - Cambridge, MA: Building enclosure consulting for the new roofing system, EIFS overclad, and window replacements

Masonry Structures

- Suffolk University, 150 Tremont Street - Boston, MA: Repair documentation and construction phase field observations for limestone and brick masonry, stucco, and terra cotta facades
- Landmark Center - Boston, MA: Repair documentation and construction phase field observations for brick masonry facades
- Bank of America Tower - Providence, RI: Difficult access assessment of limestone masonry facades