



EDUCATION

- Concordia University
 - Bachelor of Engineering, Building Engineering, 2015

PRACTICE AREAS

- Facade Assessment
- Water/Air Leakage Assessment
- Repair and Rehabilitation Design
- Coatings and Sealants
- Testing and Instrumentation
- Historic Preservation
- Building Science
- Building Science/Computer Modeling

CONTACT

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EXPERIENCE

Tegan DeLibero joined the WJE Washington, D.C. office in 2017. With an educational background in building engineering, she specializes in building science concepts and enclosure evaluation. Ms. DeLibero has concentrated her practice at WJE in the area of building enclosure systems engineering, design, investigation, analysis, and repair. Her work has included building condition assessments, coating assessments, leak investigations, and computer modeling for thermal and moisture movement within enclosures. Projects have included institutional, commercial, and residential projects as well as historic buildings.

REPRESENTATIVE PROJECTS

Facade Assessment

- Georgetown University Observatory - Washington, D.C.: Evaluation of masonry walls and metal roofs
- Northern Virginia Community College, Godwin Building - Annandale, VA: Review of precast concrete panel exterior wall assembly and roofing membrane
- Saint Michael's Church Complex - Baltimore, MD: Assessment of stone and brick facade
- Northern Virginia Community College, Seefeldt Building - Woodbridge, VA: Condition assessment of existing fenestration, EIFS, and stucco

Water/Air Leakage Assessment

- University of Maryland, Physical Sciences Complex - College Park, MD.: Investigation of curtain wall water infiltration
- 1800 Tysons Boulevard - Tysons Corner, VA: Investigation of waterproofing membrane water infiltration
- The Walters Art Museum - Baltimore, MD: Investigation of roof membrane water infiltration
- Embassy of the Federal Republic of Germany - Washington, D.C.: Blower door and smoke testing to evaluate air leakage

Repair and Rehabilitation Design

- Division of Consolidated Laboratory Services - Richmond, VA.: Assessment and rehabilitation of brick screen wall system
- Scott House - Richmond, VA: Investigation and repair of historic terra cotta balustrades

Coatings and Sealants

- Embassy of the Federal Republic of Germany - Washington, D.C.: Investigation of failed intumescent coatings, construction period consulting on intumescent coating application and coating application over galvanized steel, and investigation of fence coating corrosion

Testing and Instrumentation

- Evergreen Museum and Library - Baltimore, MD: Repeated moisture content testing of walls to monitor active leaks
- Embassy of the Federal Republic of Germany - Washington, D.C.: Monitoring of temperature, humidity, and condensation to evaluate condensation remediation repairs
- Division of Consolidated Laboratory Services - Richmond, VA.: Load testing of brick facade to determine capacity for secondary screen wall installation

Historic Preservation

- Scott House - Richmond, VA: Assessment and restoration of terra cotta facade
- General Assembly Building - Richmond, VA: Preparation of repair and restoration documents for historic building elements

Building Science/Computer Modeling

- Division of Consolidated Laboratory Services - Richmond, VA.: Modeling moisture flow through screen wall systems using WUFI®
- Elizabeth Square - Washington, D.C.: Modeling thermal flow through building elements using THERM
- Food and Drug Administration, White Oak Campus - Silver Spring, MD: Modeling EIFS walls using WUFI® software to analyze condensation risk in existing and proposed wall construction