



#### EDUCATION

- Milwaukee School of Engineering
  - Bachelor of Science, Architectural Engineering, 2022
  - Master of Science, Structural Engineering, 2022

#### PRACTICE AREAS

- Facade Ordinance Inspections
- Facade Assessment and Repair
- Water/Air Leakage Assessment
- Difficult Access Inspections
- Masonry Restoration
- Small UAS (Drone) Services

#### REGISTRATIONS

- FAA Licensed Remote Pilot

#### CONTACT

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#### EXPERIENCE

Katherine. Augustine conducts a wide range of exterior enclosure-related investigations and repair projects. She performs assessments and assists with the repair design of roofing and waterproofing systems, brick masonry, terra cotta, limestone, granite, EIFS systems, and windows, including projects involving difficult access (rappelling) techniques. She has also utilized her expertise to support restoration projects and has performed numerous water leakage investigations.

Ms. Augustine has performed moisture problem investigations, including water penetration testing, frost point testing, and in situ air pressurization. She is proficient in the use of AutoCAD to illustrate building assemblies and develop detailing between enclosure system interfaces. Ms. Augustine has also helped develop repair designs and construction observations during the repair of building enclosures.

#### REPRESENTATIVE PROJECTS

##### Facade Ordinance Inspections

- University Club Tower - Milwaukee, WI: Critical facade examination of precast concrete cladding and windows
- Yankee Hill - Milwaukee, WI: Critical facade examination of masonry facade and windows
- 311 South Wacker Drive - Chicago, IL: Critical facade examination of thin granite veneer system and windows

##### Facade Assessment and Repair

- Commerce Bank Building - Peoria, IL: Terra cotta assessment, repair design, construction documents, and construction observation
- Coronado Theater - Rockford, IL: Visual survey of exterior masonry walls, EIFS cladding system, and windows
- Gas Light Building - Milwaukee, WI: Facade assessment, brick masonry repair design, and on-site construction observation
- Water Tower Place - Chicago, IL: Anchor testing of thin marble panels

##### Water/Air Leakage Assessment

- Auburn University - Auburn, AL: On-site documentation of mass masonry exterior walls and in-field water leakage testing and repair recommendations
- Milwaukee School of Engineering, Grohmann Tower - WI: On-site observation and in-field water leakage testing of installed curtain wall assembly, quality assurance protocol, and repair recommendations
- Regency House Condominiums - Milwaukee, WI: Water leakage investigation and testing of masonry facade and windows
- Yankee Hill - Milwaukee, WI: Concrete, masonry, and waterproofing repair design; follow-up leakage testing
- University Club Tower - Milwaukee, WI: Water leakage investigation and testing of curtain wall and precast concrete panels
- Gaslight Lofts - Milwaukee, WI: Development of repair drawings and on-site observation of windows and cladding repair

##### Difficult Access Inspections

- Gas Light Building - Milwaukee, WI: Facade assessment of brick masonry and windows
- Clement J Zablocki Veterans Affairs Medical Center - Milwaukee, WI: Facade assessment of brick masonry, precast concrete panels, and windows
- St. Louis Civil Courts Building - MO: Facade assessment of limestone, brick masonry, and roof
- Old Courthouse - St. Louis, MO: Facade assessment of stone cladding and copper dome

##### Small UAS (Drone) Services

- Clement J Zablocki Veterans Affairs Medical Center - Milwaukee, WI: Facade survey
- Sentry Insurance - Stevens Point, WI: Facade survey
- Northwestern University, 1800 Sherman Avenue Building - Evanston, IL: Facade survey
- St. Joseph Shrine - Detroit, MI: Facade survey
- St. Louis Civil Courts Building - MO: Facade survey