



PERSONNEL QUALIFICATIONS

Audrey Ryan | Associate III



EXPERIENCE

Since joining WJE in 2017, Audrey Ryan has been involved in facade assessments, failure investigations, and field testing of building enclosure systems, including curtain wall, rainscreen systems, stucco, masonry, roofing, and waterproofing. Her project experience includes peer review of new construction documents, condition surveys of existing structures, thermal analysis, performance testing, technical due diligence inspections, repair design, and construction observation services.

Prior to joining WJE, Ms. Ryan conducted a research project on residential smart grid technologies as a Fulbright Fellow at the Technical University of Denmark. She also studied biologically inspired building design as a structural engineering Fellow at Skidmore, Owings & Merrill Foundation.

REPRESENTATIVE PROJECTS

Building Enclosure Consulting

- 135 Bishopsgate - London, England: Waterproofing and facade consulting services for refurbishment of mixed-use office and retail complex
- Global Student Accommodation - England, Wales, and Scotland: Fire safety risk assessment of facade systems across multiple properties
- Exchange House - London, England: Thermal/condensation risk analysis of exterior walls
- Accor Hotels - United Kingdom and Europe: Fire safety assessment of exterior cladding systems across multiple hotel properties
- Texas State University, Bobcat Village - San Marcos: Building enclosure assessment of student housing complex
- Shore Condominiums - Austin, TX: Construction observation of partial stucco facade recladding and window repairs
- The Independent - Austin, TX: Performance testing of building enclosure for new high-rise condominium building, including curtain wall and storefront window systems

Water/Air Leakage Assessment

- 20 Finsbury Circus - London, England: Investigation of water infiltration through roof
- 1 Finsbury Avenue - London, England: Assessment, repairs, and construction observations to resolve water leakage through roof and terrace
- Lyndon B. Johnson Office Building Annex - Austin, TX: Assessment, repairs, and construction observations to resolve water leakage at plaza, roof, and windows

Failure/Damage Investigation

- Austin Central Library - Austin, TX: Wood flooring failure investigation
- University of Texas, Marine Science Institute - Port Aransas: Window casing mold investigation
- Waterfront High-Rise Condominiums - Miami, FL: Full-scale wind tunnel and testing of building components following hurricane
- Canterbury House Apartments - Slidell, LA: Evaluation of floor failure in housing development
- Rankin County Hospital - Spur, TX: Assessment of staining in vinyl flooring system
- Hotel Van Zandt - Austin, TX: Investigation of water leakage and cladding distress

Historic Preservation

- Texas State Capitol - Austin: Construction observation services related to terrace waterproofing repairs
- Texas A&M University, J.K. Williams Building - College Station: Cast stone facade restoration
- University of Texas at Austin (UT Austin), Waggener Hall: Survey and repair design of historic steel-framed windows

Nondestructive Evaluation

- Ellison House - Austin, TX: Installation and monitoring of vibration sensors for curtain wall investigation
- UT Austin, UFCU Disch-Falk Field - TX: Nondestructive testing and construction administration services related to water infiltration repairs

EDUCATION

- Drexel University
 - Bachelor of Science, Architectural Engineering, 2015
 - Master of Science, Civil Engineering/Structures, 2015

PRACTICE AREAS

- Building Enclosure Consulting
- Water/Air Leakage Assessment
- Failure/Damage Investigation
- Historic Preservation
- Nondestructive Evaluation

REGISTRATIONS

- Professional Engineer in TX

CONTACT

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