PERSONNEL QUALIFICATIONS

Audrey Ryan | Senior Associate

EDUCATION

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

PRACTICE AREAS

- Failure/Damage Investigation
- Architectural Testing
- Repair and Rehabilitation Design
- Building Enclosure Consulting

REGISTRATIONS

- Professional Engineer in FL and TX

CONTACT

aryan@wje.com
office: 561.226.1218
mobile: 302.582.8589
www.wje.com

EXPERIENCE

Since joining WJE in 2017, Audrey Ryan has practiced building enclosure consulting internationally in the U.S., UK, and Europe. Her experience includes failure and damage investigations, risk assessments, and design and construction monitoring services for new build, repair, and rehabilitation projects.

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 with the Skidmore, Owings & Merrill Foundation.

REPRESENTATIVE PROJECTS

Failure/Damage Investigation

- Waterfront High-Rise Condominiums - FL: Assessment of alleged hurricane damage to building enclosure elements at multiple condominium properties in the Miami, Naples, and Fort Myers areas for litigation support
- Hilton Amsterdam Airport Schiphol - Schiphol, NL: Investigation of wind-related cladding failures on custom metal rainscreen facade
- The Helm - Bournemouth, UK: Investigation of cladding failure and water infiltration at new build residential tower
- Austin Central Library - TX: Wood flooring failure investigation
- Canterbury House Apartments - Slidell, LA: Evaluation of structural floor failure in housing development

Architectural Testing

- Florida International University, Wall of Wind - Miami: Full-scale wind tunnel testing of fenestration elements for litigation support
- The Independent - Austin, TX: Water penetration performance testing of glazed building enclosure systems for new high-rise condominium tower
- Ellison House - Austin, TX: Installation and monitoring of vibration sensors for curtain wall investigation

Repair and Rehabilitation Design

- 1 Finsbury Avenue - London, UK: Investigation, repair design, and construction monitoring services to resolve water leakage through roof and historic lantern skylight on Grade II-listed office building
- Texas State Capitol - Austin: Construction observation services related to terrace waterproofing repairs
- University of Texas at Austin, Waggener Hall: Survey and repair design of historic steel-framed windows

Building Enclosure Consulting

- Johns Hopkins University, Student Center - Baltimore, MD: Building enclosure commissioning of BIG-designed exterior envelope with mass timber and custom curtain wall systems
- Northcliffe House (Former Daily Mail Building) - London, UK: Roof condition assessment and construction monitoring for refurbishment of historic newspaper head Grade II-listed office building
- Locke de Convento Hotel - Lisbon, Portugal: Fire risk assessment of facade systems for hotel conversion of historic convent
- Exchange House - London, UK: Facade thermal/condensation risk analysis and waterproofing consulting for refurbishment of SOM-designed, Grade II-listed office building
- Global Student Accommodation - Ireland and UK: Fire risk assessment of facade systems across student housing portfolio