PERSONNEL QUALIFICATIONS

Rita M. Ray | Principal and Unit Manager

EDUCATION

- University of Maryland, College Park
  - Bachelor of Science, Civil Engineering, 2004

PRACTICE AREAS

- Building Enclosure Commissioning
- Peer Review
- Construction Observation Services
- Facade Assessment
- Leakage Investigation
- Repair and Rehabilitation Design

REGISTRATIONS

- Professional Engineer in NC

PROFESSIONAL AFFILIATIONS

- American Institute of Architects
- American Society of Civil Engineers
- Building Enclosure Council - Research Triangle Chapter, past board chair

CONTACT

rray@wje.com
984.345.0630
www.wje.com

EXPERIENCE

Rita Ray joined WJE in 2004 and has broad-based experience in building enclosure investigations, assessments, and design for existing and new construction. Her recent work predominantly includes design and construction phase enclosure consulting and commissioning services for new construction and enclosure failure investigation and repair design for existing multifamily construction. Ms. Ray has been integrally involved in providing building enclosure commissioning and consulting services in the greater Raleigh/Durham/Chapel Hill area, including work on numerous North Carolina University projects, several buildings that comprise the Raleigh/Durham International Airport complex, and other privately funded commercial, office, and multifamily residential projects throughout the region.

Ms. Ray was a founding member of the Research Triangle Chapter of the Building Enclosure Council and has served on their board for numerous years since the group's inception in 2011.

REPRESENTATIVE PROJECTS

Building Enclosure Commissioning

- North Carolina State University, Plant Sciences Building - Raleigh
- East Carolina University, Life Science and Biotechnology Building - Greenville, NC
- University of North Carolina at Chapel Hill, Mary Ellen Jones Building
- University of North Carolina at Chapel Hill, Marsico Hall (Image Research Building)
- North Carolina State University, James B. Hunt, Jr. Library - Raleigh
- University of North Carolina at Chapel Hill, Genome Science Building

Peer Review and Construction Observation

- 301 Hillsborough - Raleigh, NC: Enclosure design peer review, submittal review assistance, and construction period services
- Pfizer Gene Therapy Expansion - Sanford, NC: Enclosure design peer review, submittal review assistance, and construction period services
- City Lake Park Renovation - High Point, NC: Existing facade survey and enclosure design peer review
- Durham Innovation District (Durham.ID) - Durham, NC: Enclosure design peer review and design-assist services; construction period services
- Virginia Polytechnic Institute and State University, New Classroom Building - Blacksburg: Peer review and construction period services
- Duke University, West Student Union Renovation - Durham, NC: Facade rehabilitation and reclad
- Raleigh/Durham International Airport, Terminal 1 - Morrisville, NC: Facade rehabilitation and reclad
- Veteran's Affairs Outpatient Clinic - Tulsa, OK: Enclosure design peer review
- Veteran's Affairs Outpatient Clinic - Oxnard, CA: Enclosure design peer review

Facade Assessment and Leakage Investigation

- First Citizens Bank - Raleigh, NC: Enclosure condition assessment, leakage investigation, development of repair recommendations, repair design peer review, and construction period services
- 39 West Street - Pittsboro, NC: Leakage investigation pertaining to existing mass masonry walls and repair recommendations
- University of North Carolina at Chapel Hill, Ambulatory Care Center: Investigation of plaza/planter water leakage and development of repair recommendations
- Cisco Office Building - Research Triangle Park, NC: Investigation of systemic facade water leakage, development of repair recommendations, enclosure repair design consulting services, and construction period services
- Virginia Polytechnic Institute, Smith Career Center - Blacksburg: Investigation of leakage and exterior stone masonry failure; development of repair recommendations
- RDU Building 31 - Morrisville, NC: Limited facade condition assessment and leakage investigation; development of repair recommendations
- RDU Department of Aviation Building - Morrisville, NC: Leakage investigation and development of repair recommendations; consulting services for the repair designer of record