



#### EDUCATION

- University of Illinois Chicago
  - Bachelor of Arts, Architectural Studies, 2002
- North Carolina State University
  - Bachelor of Architecture, 2008

#### PRACTICE AREAS

- Building Enclosure Commissioning
- Building Enclosure Consulting
- Peer Review
- Building Enclosure Assessment
- Forensic Investigation
- Condition Evaluation
- Repair and Rehabilitation Design
- Facade Assessment
- Litigation Consulting

#### REGISTRATIONS

- Architect in NC, OK, and SC

#### PROFESSIONAL AFFILIATIONS

- American Institute of Architects
- Building Enclosure Council
- International Institute of Building Enclosure Consultants
- Leadership in Energy and Environmental Design
- National Council of Architectural Registration Boards
- National Institute of Building Sciences

#### CONTACT

rwilborne@wje.com  
984.345.0630  
www.wje.com

#### EXPERIENCE

Ryan Wilborne possesses expertise in private commercial, government, healthcare, higher education, and science/technology markets. He performs building enclosure assessments, forensic investigations, and repair design for various construction types and systems, including architectural precast concrete, masonry cavity wall, brick/terra cotta/stone mass masonry, metal panel/siding/tile, terra cotta rainscreen, air/moisture barrier, glazed aluminum curtain walls, window walls, storefronts, punched windows, roofing, and waterproofing.

Mr. Wilborne is engaged with all phases of the building enclosure commissioning (BECx) process, including owner performance requirements, design phase peer reviews, preconstruction services, construction phase observation and troubleshooting, performance verification testing, and post-occupancy documentation. He is the past chair of the Research Triangle Chapter of the Building Enclosure Council.

#### REPRESENTATIVE PROJECTS

##### Building Enclosure Commissioning

- North Carolina Division of Environmental Quality - Raleigh: Design phase BECx; development of mock-ups and performance verification testing requirements; curtain wall, air/moisture barrier, expansion joints, roofing, and waterproofing
- Raleigh Iron Works - NC: Design and construction phase BECx and performance verification testing; curtain wall, metal panel, air/moisture barrier, roofing, and waterproofing
- Cambridge Crossing Building EF - Boston, MA: Design and construction phase BECx and performance verification testing; curtain wall, air/moisture barrier, roofing, and waterproofing

##### Building Enclosure Consulting

- Spark Life Sciences Office/Laboratory and Biomanufacturing Buildings - Morrisville, NC: Design and construction phase building enclosure consulting and performance verification testing; curtain wall, architectural precast concrete, air/moisture barrier, metal panel, roofing, and waterproofing

- North Carolina Department of Agriculture, Steve Troxler Agricultural Sciences Center - Raleigh: Design and construction phase building enclosure consulting and performance verification testing; curtain wall, air/moisture barrier, limestone, terra cotta, brick masonry, metal panel, roofing, waterproofing, and expansion joints

#### Peer Review

- University of North Carolina at Chapel Hill, Avery Hall: Visual survey and condition assessment; design phase enclosure review; punched windows, brick masonry, expansion joints, slate/copper-alloy roofing, and waterproofing
- US Department of Veterans Affairs - Fredericksburg, VA: Design phase enclosure review; curtain wall, storefront, air/moisture barrier, brick masonry, metal panel, roofing, and waterproofing
- Smoky Hollow - Raleigh, NC: Design phase enclosure review and construction phase enclosure consulting and performance verification testing; window wall, metal panel, air/moisture barrier, and roofing

#### Condition Evaluation

- William J. Holloway Federal Building - Oklahoma City, OK: Historic preservation, condition assessment; limestone mass masonry and copper alloy roofing
- Western Carolina University, Moore Building and Breese Gymnasium - Cullowhee, NC: Design phase historic preservation, facade assessment, and field water penetration resistance testing

#### Repair and Rehabilitation Design

- Brodie Duke Building - Durham, NC: Historic preservation, forensic investigation, repair and rehabilitation design; brick mass masonry facades/moat, brownstone, and metal roofing
- Charles R. Jonas Federal Building - Charlotte, NC: Design and construction phase historic preservation; repair and rehabilitation design; limestone/brick mass masonry, copper alloy metalwork; forensic investigation and building preservation plan
- S.H. Kress Building - Durham, NC: Forensic investigation and repair design; terra cotta mass masonry