



EDUCATION

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

PRACTICE AREAS

- Building Enclosure Consulting
- Building Enclosure Commissioning
- Design-Assist
- Peer Review
- Repair and Rehabilitation
- Water/Air Leakage Assessment
- Construction Troubleshooting

REGISTRATIONS

- Architect in NC

PROFESSIONAL AFFILIATIONS

- American Institute of Architects (AIA)
- Building Enclosure Council (BEC)
- National Council of Architectural Registration Boards (NCARB)

AWARDS

- Wake Tech Community College - Northern Wake Parking Deck:
 - AIA Triangle Chapter Honor
 - AIA State Chapter Merit
- WakeMed North Hospital:
NC Construction News

CONTACT

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EXPERIENCE

Ryan Wilborne has experience with numerous markets including healthcare, higher education, government, commercial mixed-use, and multifamily residential. Mr. Wilborne has performed new construction design, condition assessments, forensic investigations, repair design, and field performance testing of a variety of construction types and building enclosure systems including; masonry cavity wall, masonry mass wall, terra cotta, metal panel, metal siding, glazed aluminum curtain wall and storefronts, and roofing and waterproofing. He is particularly interested in the design and commissioning of high-performing rainscreen systems.

Mr. Wilborne is actively involved in building envelope consulting services, including peer review, design assistance, water/air leakage investigations, construction phase observation, and building enclosure commissioning (BECx) projects. The majority of his completed work is located in metropolitan Washington, D.C., and Raleigh, North Carolina.

REPRESENTATIVE PROJECTS

Building Enclosure Consulting

- Carolina East Cancer Center - New Bern, NC: Design phase building enclosure consulting; mockup, curtain wall, weather resistive barrier, masonry, roofing, waterproofing, and expansion joints
- Duke University Cameron Parking Deck - Durham, NC: Design and construction phase building enclosure consulting; curtain wall, weather resistive barrier, waterproofing, and expansion joints
- U.S. Courthouse Annex - Charlotte, NC: Design phase building enclosure consulting; precast architectural concrete, curtain wall, weather resistive barrier, roofing, and waterproofing
- U.S. Environmental Protection Agency - Research Triangle Park, NC: Numerous projects involving roof assessment, acoustics, solar glare, and campus security advising; atrium roof project involving water/air leakage assessment*

Building Enclosure Commissioning

- SAS Building A - Cary, NC: Design and construction phase building enclosure commissioning of curtain wall, roofing, waterproofing, and field air leakage testing

Repair and Rehabilitation

- Charles R. Jonas U.S. Courthouse - Charlotte, NC: Limestone, masonry mass wall, and historic window assessments and restoration design
- Multifamily Apartments - Cary, NC: Construction phase services; balcony reconstruction, repair design, weather resistive barrier, and waterproofing
- S.H. Kress Building - Durham, NC: Field water penetration resistance testing; terra cotta and masonry mass wall assessments and repair design

Water/Air Leakage Assessment

- North Carolina Department of Administration, Division of Aviation - Morrisville, NC: Field water penetration resistance testing, roof and facade assessments, and repair design assist at Raleigh-Durham International Airport

Construction Troubleshooting

- WakeMed North Hospital - Raleigh, NC: Design and on-site construction phase observation of a sixty-one-bed hospital renovation and expansion project to an existing medical office building; project also involved the design and phased construction of a campus central energy plant*

* Indicates with other firms