

Anthony K. Dukes | Senior Associate



EDUCATION

- Clemson University
 - Bachelor of science, Civil Engineering, 2009

PRACTICE AREAS

- Design
- Roofing and Waterproofing
- Repair and Rehabilitation
- Facade Assessment
- Peer Review
- Construction Troubleshooting
- Failure/Damage Investigations
- Nondestructive Evaluation

REGISTRATIONS

- Professional Engineer in AL, GA, and SC
- Registered Roof Consultant
- Registered Roof Observer
- Thermographer, Level I

PROFESSIONAL AFFILIATIONS

- International Institute of Building Enclosure Consultants
- Society of American Military Engineers

CONTACT

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**Indicates with previous firm*

EXPERIENCE

Anthony Dukes has broad-based experience in the investigation, assessment, and rehabilitation design of exterior building enclosures throughout the United States. Mr. Dukes has worked with a wide variety of roofing materials, which include hot rubberized asphalt, modified bitumen, thermoset, thermoplastic, SPF, and fluid-applied low-slope systems, as well as asphalt shingle, cedar shake/shingle, clay tile, metal panel, slate shingle, and coatings at steep slope roofs. His waterproofing experience includes hot-rubberized asphalt, bentonite, modified urethanes, and self-adhered membranes, and his cladding experience includes clay brick masonry, precast concrete, EIFS, stucco, fiber-cement, wood, and metal materials.

REPRESENTATIVE PROJECTS

Roofing and Waterproofing

- USACE Louisville District - Nationwide: Roof replacement of more than fifty Army Reserve buildings that include modified bitumen, polyvinyl chloride, metal panel, and asphalt shingle roofing systems*
- AmericasMart - Atlanta, GA: Roof replacement with modified bitumen base ply, KEE roof membrane, drain board, polystyrene insulation, and insulated concrete pavers*
- Hightower Trail Elementary School - Marietta, GA: Modified bitumen roofing replacement with EIFS cladding and clerestory window replacement as well as installation of metal wall panels over brick veneer*
- Lockheed Martin - Marietta, GA: TPO roof replacement, roof drain replacement, and installation of a new fall protection system; Factory Mutual Global-insured client*
- Olson Hall Roof Replacement - Fort Benning, GA: Clay tile and spray-polyurethane foam roof replacement*
- Gwinnett County Justice and Administration Center - Lawrenceville, GA: Modified bitumen roof replacement, metal panel roof restoration, plaza drain replacement, plaza planter box waterproofing, and concrete wall panel restoration; Factory Mutual Global-insured client*

- Women's Health Clinic - Lexington, KY VAMC: Nailable insulation and asphalt shingle installation over wood roof deck. Modified bitumen roofing replacement, fiber-cement siding replacement, window replacement, and a complete fall protection system*

Repair and Rehabilitation

- AmericasMart - Atlanta, GA: Precast concrete wall panel repair, sealant joint replacement, and application of water repellent*
- Charlie Norwood VAMC - Augusta, GA: Precast concrete wall panel repair, sealant joint replacement, and application of water repellent as well as plaza expansion joint replacement, handrail replacement, and retaining wall repair*
- Roosevelt Warm Springs Institute - Warm Springs, GA: Through-wall flashing replacement installation, stucco panel repair, planter box repair, slate shingle replacement, asphalt shingle roof replacements, and TPO roof replacements*

Facade Assessment

- Johnson Hagood Stadium - Charleston, SC: Evaluation of water infiltration through stucco cladding and plaza concrete topping slab*
- Gwinnett County - Lawrenceville, GA: Investigation into water infiltration through masonry cavity and EIFS wall at courts annex; investigation of water infiltration through shiplap siding at historic female seminary, and investigation of water infiltration through basement walls at historic courthouse*

Construction Troubleshooting

- Federal Courthouse - Broward County, FL: Construction period services for the rehabilitation of plaza waterproofing, roof repairs, parking deck repairs, and sump pump replacement*
- Major Retail Chain - Nationwide: Construction period services for the installation of roofing at new stores, store additions, and roof replacements; condition assessments and moisture scans prior to replacements*