

Darren Howard | Senior Associate



EDUCATION

- The Pennsylvania State University
 - Bachelor of Architectural Engineering, Structural Option, 2005
 - Master of Architectural Engineering, Structural Option, 2005

PRACTICE AREAS

- Failure Investigation
- Repair and Rehabilitation Design
- Structural Evaluation
- Facade Assessment
- Wood Structures
- Parking Structures
- Masonry Structures
- Stone Cladding

REGISTRATIONS

- Professional Engineer in GA

PROFESSIONAL AFFILIATIONS

- American Society of Civil Engineers (ASCE)
- Structural Engineering Institute (SEI) - Georgia chapter, chair

CONTACT

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EXPERIENCE

Darren Howard has completed numerous structural evaluations and analyses of existing structures. His work has included commercial and residential buildings, parking structures, and retaining walls that have experienced distress due to natural disasters, deterioration, and construction and design flaws. Mr. Howard's experience also includes materials and components consisting of wood-framed walls and trusses, masonry walls and veneers, stone cladding, steel framing, precast and post-tensioned concrete, cast-in-place concrete, and concrete slabs-on-grade.

Mr. Howard has prepared many technical reports and construction documents, including repair drawings and technical specifications for projects involving structural and building envelope issues. He has also provided construction period services for several large repair projects.

REPRESENTATIVE PROJECTS

Failure Investigation

- College Campus Building - Spartanburg, SC: Field investigation and analysis of cracking in cast-stone lintels at newly constructed building
- Convention Center - Atlanta, GA: Failure investigation, analysis, and load testing of suspended ceiling anchors in two auditoriums
- Hurricane Damage Assessments - Southeast United States: Field investigation and analysis of wind- and surge-related damage on residential and commercial projects following Hurricanes Katrina and Wilma

Repair and Rehabilitation Design

- Hilton Garden Inn - Duluth, GA: Structural analyses and design of connection repairs for concrete masonry- bearing walls and hollow core floor planks
- Major Retail Store Chain - Nationwide: Repair design and construction documents for concrete slab-on-grade replacement and repairs

Facade Assessment

- Community College Campus - Poplarville, MS: Evaluation of hurricane damage to window and facade elements on more than thirty buildings, ranging from residences to large classroom structures
- One Atlantic Center - Atlanta, GA: Condition survey and construction period services for repairs of existing fifty-story granite facade and balconies

Wood Structures

- Chattahoochee Landing Apartments - Atlanta, GA: Structural evaluation of deteriorated wood-framed bearing walls and floor framing
- Commercial Building - Knoxville, TN: Collapse investigation and evaluation of construction and design deficiencies of wood roof truss framing
- Five Mid-rise Apartment Buildings - Jacksonville, FL: Field investigation and assessment of alleged construction defects in wood roof truss framing

Parking Structures

- One Atlantic Center Parking Structure - Atlanta, GA: Assessment and construction documents for existing granite facade and expansion joints
- Republic Parking Structure - Chattanooga, TN: Condition assessment and construction documents for precast concrete double-tee and spandrel beams