

JAMES H. ROBINSON, JR., P.E.

EDUCATION

Bachelor of Civil Engineering
Georgia Institute of Technology-
With Highest Honors

Master of Science in Civil Engineering
Georgia Institute of Technology

CERTIFICATION

Certified to Practice Structural Engineering by the Structural Engineering Certification Board -
Certification Number 1420-0705

PROFESSIONAL AFFILIATIONS

- American Association for Wind Engineering
- American College of Forensic Examiners Institute - (Fellow of American Board of Forensic Engineering and Technology)
- American Concrete Institute
- American Council of Engineering Companies - (Served on Membership Committee and Small Firms Coalition)
- American Council of Engineering Companies/ Georgia - (Past Committee Chairman, past Secretary, past Board Member)
- American Society of Civil Engineers
- Applied Technology Council, (Board Member)
- Coalition of American Structural Engineers
- Concrete Reinforcing Steel Institute
- Georgia Society of Professional Engineers
- International Code Council - (Member Structural Committee for International Building Code)
- International Concrete Repair Institute, (Past Board Member, Georgia Chapter)
- National Council of Examiners for Engineering and Surveying - (Member National Structural Exam Preparation and Scoring Committee)
- National Council of Structural Engineers Associations - (Past Chairman Special Inspections Code Advisory Committee, Past member General Engineering Code Advisory Committee)
- National Society of Professional Engineers
- Southern Building Code Congress International - (Past Member Wind Load Committee)
- Special Inspectors Association of Florida
- Structural Engineers Association of Georgia - (Founding Chairman, Past Board Member)
- Structural Engineers Certification Board, (Member Examination Committee)

PROFESSIONAL REGISTRATIONS

Registered Professional Engineer in:

Alabama	Arizona	Arkansas	California
Colorado	Connecticut	Delaware	District of Columbia
Florida	Georgia	Illinois	Indiana
Iowa	Kansas	Kentucky	Louisiana
Maine	Maryland	Michigan	Minnesota
Mississippi	Missouri	Montana	Nebraska
Nevada	New Jersey	New Mexico	New York
North Carolina	Ohio	Oklahoma	Oregon
Pennsylvania	Puerto Rico	South Carolina	South Dakota
Tennessee	Texas	Utah	Virginia
Washington	West Virginia	Wisconsin	

SPECIAL INSPECTOR

Florida Threshold Inspector
Florida Amusement Ride Inspector
Certified Structural Masonry Inspector

HONORS AND AWARDS

Order of the Engineer
"Chi Epsilon" Civil Engineering Honor Fraternity
"Phi Kappa Phi" National Engineering Honor Society Order
Chi Epsilon Engineering Student of the Year 1972
CEC/G Engineering Excellence Award 1993

EXPERIENCE SUMMARY

Mr. Robinson has a wide variety of management and operations experience encompassing over thirty years in engineering, design and analysis of new buildings involving low, mid and high rise commercial and residential structures; low and mid rise institutional structures; and light industrial

buildings. Through this experience and continuing education, a thorough knowledge has been gained

of structural building materials including prestressed and conventionally reinforced concrete of both precast and cast in place types, standard and high strength structural steel, stud and heavy timber framing, and masonry of both plain and reinforced designs. Mr. Robinson possesses a high level of proficiency in the application of these different building materials to the appropriate structural systems including flat plate, flat slab, joist and beam, slab and beam, bearing wall, shear wall, semi-rigid frame, rigid frame, and braced frame construction. Many foundation types have been utilized in the designs accomplished by Mr. Robinson including augercast piles, timber piles, injection piles, straight shaft caissons, belled caissons, spread footings, strip footings, and mat foundations.

In addition to the design and analysis of new structures, Mr. Robinson has an extensive background in reviewing existing and planned structures for both confirmation of structural integrity as well as determination of cause of structural distress. These reviews have been performed at the request of Owners for their existing properties, Architects for existing and planned structures, Lending Institutions for structures involving both construction and permanent loans, and Contractors for planned and existing structures. Reviews and investigations of failed structures have been conducted on behalf of Owners, Architects, Attorneys, Insurance Companies, and Contractors. The previously mentioned design experience coupled with these reviews gives Mr. Robinson the ability to quickly determine weaknesses of a designed structure or the most probable cause of failure of an existing structure. His structural failure investigations have been conducted on single and multi-family residential structures, office buildings, churches, warehouses, hotels, manufacturing facilities, parking decks, shopping centers, schools, and medical facilities.

Mr. Robinson has also investigated water intrusion problems. These investigations have included single family residences, low rise timber framed condominiums, high rise condominiums, single story commercial structures, and multi-level commercial structures. Most of these investigations have focused on the exterior envelop of the structure while some have focused on the below grade portions of the structure. These investigations span over thirty years and cover the geographic Southeast United States.

The exterior envelop materials involved in these investigations include cement stucco, synthetic stucco, hard board siding, timber siding, brick veneer, masonry, and storefront products. As part of the investigation a review of the then current industry standards is conducted to provide a base for comparison to the in place installation. Frequently, a review of the structural aspects of the building is also required to determine if the water intrusion is the result of building movements or

a failure of some structural aspect of the building rather than inadequate envelop detailing and installation.

Mr. Robinson has designed hundreds of water parks all over the world which have incorporated wave pools, water slides, water features, and Lazy River type water rides . In addition, he regularly provides engineering services to several swimming pool companies and has designed swimming pools for

residences, condominium pools both on grade and on elevated floors, residential communities and county parks.

Mr. Robinson has provided expert witness testimony in courts in Georgia, Alabama, Tennessee, and North Carolina.

SAMPLE PROJECT LISTING

Forensic/Reviews

- Trade Center Parking Deck (Cracked Columns) Chattanooga, TN
- Chestnut Street Parking Deck - (Spaled Beam Bearing/Damaged Tee Stems) Chattanooga, TN
- Esplanade at the Oaks (Foundations Settlement) Gainesville, FL
- Research Commons (Floor Load Review) Orlando, FL
- Salem Carpet Mill (Mezzanine Floor Review) Ringgold, GA
- St. Marks Episcopal Church (Foundations Settlement) Dalton, GA
- Glenleaf Condos (Slope Failure) Norcross, GA
- VA Hospital (Balcony Deterioration) Atlanta, GA
- Lithonia High School Gym (Wall Cracking) Lithonia, GA
- Atlanta Industrial Park Warehouse (Settlement) Atlanta, GA
- Mount Residence (Settlement, Veneer) Vinings, GA
- Paces Run Condos (Structural Construction Problems) Atlanta, GA
- Battery Bluff Apartments (Structural Construction Problem) Chattanooga, TN
- Hyatt-Hilton Head (Beam Failure) Hilton Head, SC
- Athens Regional Medical Center (Column Spaling) Athens, GA
- Limelight Parking Deck (Beam & Slab Deter.) Atlanta, GA
- St. Marks (Soil Failure) Dalton, GA
- Ridgeview Administration Building (Settlement) Atlanta, GA
- Smith Hall (Timber BM Failure) La Grange, GA
- Del Taco Corporation Stores (Structure Construction Problem) SE Region
- JC Penney (Settlement) Athens, GA
- BMW (Slab Construction Problem) Brunswick, GA
- Cumberland II (Fascia Brick Cracking) Atlanta, GA
- Horseshoe Bend Basement (Basement Wall Failure) Atlanta, GA
- 3119 Scotia Drive (Basement Wall Failure) Atlanta, GA
- Stovall Marine (Erection Failure) Atlanta, GA
- Heritage Oaks Condos (Structure Construction Problem) Atlanta, GA
- Murrells Inlet Shopping Center (Fascia Failure) Hilton Head, SC
- Winter Wood Apartments (Settlement) Charlotte, NC
- 600 Colonial Park (Structure Construction Problem) Atlanta, GA
- Grand Beach Resort , four story timber condominium, (EIFS finish) Gulf Shores, FL
- Yachtsman Condominium, six story steel and concrete, (stucco finish) O r a n g e Beach, FL
- Kmart, one story steel structure, (masonry finish) Panama City, FL
- Northridge Plaza, one story steel structure, (masonry finish) Hilton Head, SC
- Cross Creek Condominium, three story timber condominium, (timber and stucco finish) Atlanta, GA
- Sea Villas Condominium, three story timber condominium, (timber and EIFS finish) Tybee Island, GA