

**Position:** Project Manager/Structural Engineer

**Education:** Bachelor of Science Civil Engineering, Clemson University 1993

**Registrations:** South Carolina Reg. 21598 January 2002

**Experience:**

Experienced in the planning, design, and construction management of a wide variety of building, construction, and manufacturing projects for governmental, utility, industrial and residential clients throughout the United States. Structural design of reinforced concrete, steel, light gage metal, aluminum, fiberglass and composite material structures. Project management, strategic planning, estimating, value engineering, economic analysis, damage assessment and forensic investigation on numerous projects. Experience also includes the electrical, mechanical, and structural inspection of various types of residential housing and commercial facilities throughout the southeastern United States.

**Work History:**

Structural Engineer - June 1993 to present  
**Pantech Consulting Engineers,** Columbia, South Carolina  
Mount Pleasant, South Carolina

**Organizations:**

**National Society of Professional Engineers,** Member  
**American Society of Civil Engineers,** Member

**Projects:**

**Damage/Due Diligence Evaluations:** Field inspections and evaluations of engineering systems, current conditions, and cost evaluations for numerous structures and properties for major financial institutions, insurance companies, and government organizations; only a few of which are noted hereinafter:

**United Dominion Realty Trust, Richmond, VA:** Structural, Electrical and Mechanical inspections, repair cost estimating, repair design and code compliance for numerous apartment complexes and condominium high rises during due diligence evaluations prior to acquisition and after purchase of property. Over 140 multi-family properties located in SC, GA, FLA, NC, TN, VA, MD, TX, AR, NV, AZ and WA have been evaluated.

**Brencor Construction Management, Atlanta, GA:** Structural, Electrical and Mechanical inspections, repair cost estimating, repair design and code compliance for numerous apartment complexes during due diligence evaluations prior to acquisition and after purchase of property.

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**AIMCO, Atlanta, GA:** Structural, Electrical and Mechanical inspections, repair cost estimating, repair design and code compliance for numerous apartment complexes during due diligence evaluations prior to acquisition and after purchase of property.

**Reserve Fund Studies:** Numerous inspections and evaluations of common property elements for various homeowners associations to establish 30-year budget projections for maintaining and repairing structures, pavement and mechanical systems.

**Windsor Court & Windsor Place Homeowners Associations, Hilton Head Island, SC:** Inspection and identification of water infiltration causes. Review and assessment of remediation plans and recommendations.

**Building Design:** Design, planning, and/or construction management of industrial and commercial projects covering a broad spectrum of activity, only a few of which are noted hereinafter:

**E.I. DuPont de Nemours Co., Camden, SC:** Involved in the structural design of industrial building, tank slab retention system and equipment support structures for expansion of existing facility. Structures included pre-engineered metal building components, masonry block building, and reinforced concrete slabs, and steel equipment support structures.

**Conway Riverwalk, Conway, SC:** Structural design of public access boat ramp and various structures. Project responsibilities included reinforced concrete design, timber design and design of various retaining wall structures and bulkheads.

**Tank Wash Rack, McCrady Training Center, Columbia, SC:** Involved in the structural design of armored tank cleaning facility. Responsibilities included the structural design of reinforced concrete and preparation of all construction drawings, general notes and specifications.

**Lee County Elementary Schools, Lee County, SC:** Provided structural design and specifications for additional classrooms and multi-purpose buildings at West Lee and Lower Lee Elementary Schools. Responsibilities included design of all structural steel, reinforced concrete, masonry concrete and preparation of all construction drawings, general notes and specifications.

**Dutch Inn, Isom Associates, P.A., Collinsville, VA:** Provided structural design and specifications for two story hotel and meeting facilities. Responsibilities included design of all structural steel, reinforced concrete, masonry concrete and preparation of all construction drawings, general notes and specifications.

**Labcorp Office Building, Liberty Property Trust, Mount Pleasant, SC:** Provided structural design and specifications for 12,000 sf facility. Responsibilities included design of all structural steel, reinforced concrete, masonry concrete and preparation of all construction drawings, general notes and specifications.

**Construction Compliance and Drawing Review, First Citizens Bank:** Provided construction compliance and drawing review of several commercial and residential properties for First Citizens Bank. Responsibilities included the review of existing construction drawings and specifications, on site inspection of new construction and compliance.

**Structural Design and Analysis of Residential and Multi-family Dwellings:** Provided structural design and analysis of various single and multi-family dwellings throughout North and South Carolina. Responsibilities have included design and analysis of structural steel, timber components, retaining walls, and foundations.

**Tank Bridge, McCrady Training Center, SCARNG, Columbia, SC:** Involved in the structural design of armored tank bridge. Responsibilities included the structural design of reinforced concrete and preparation of all construction drawings, general notes and specifications.

**Mancor Industries Expansion, Lugoff, SC:** Structural design of 50,000 square foot addition to existing miscellaneous steel manufacturing facility providing components to the automotive and truck manufacturing industry. Expansion included addition of two 10 ton runway cranes traveling 400 feet. Building design included structural grade and elevated concrete slabs, masonry load bearing walls, steel bar joist and metal building construction. Loading dock area included retaining wall and dock leveler pits. Coordinated design effort of Mechanical and Electrical design teams.

**SC Army National Guard Battle Simulation Center, Leesburg Training Facility, Ft. Jackson, SC:** Structural design of 38,000 square foot facility to house state of the art battle simulation activities for regional Army National Guard units. Design included foundations, structural slabs, masonry and rigid frame metal building construction.

**Howden Fan Company, Camden, SC:** Structural design for 80,000 square foot industrial building. Building utilized precast concrete panels and conventional steel construction. Slab design included trench drains and mechanical dock levelers. Building contained 20,000 square foot office space.

**Office Building, Huron Tech Corporation, Sumter, SC:** Structural design for 5000 square foot office building for sodium chlorate plant. Design included light gage metal roof trusses and wall framing supported on a monolithic slab foundation system.

**Printing Press Pit and Foundation, Kohn Print Group, Columbia, SC:** Structural design and equipment layout for automated printing press. Pit excavation required design for water resistance due to high water table.

**Steeplechase No. 2 Spec Building, Camden, SC:** Structural design for 80,000 square foot industrial building. Building utilized precast concrete panels and conventional steel construction.