

FORCON INTERNATIONAL

DAVID L. HILDEBRAND, P.E.

EXPERIENCE SUMMARY

Mr. Hildebrand has over 40 years of experience in engineering management and Summary design encompassing low to mid rise commercial, medical, institutional and residential structures. Through this experience and continuing education Mr. Hildebrand has developed a high degree of proficiency with many different types of building materials including reinforced concrete, standard and high strength steels, masonry, aluminum, and both light and heavy timber. These materials have been employed in many different structural applications to include concrete flat slab (plain reinforced and post tensioned), composite steel and concrete, and joist and beam framing. He has experience in both high wind and seismic design. Lateral systems employed have utilized shear wall, rigid frame, and braced frame construction. Varying soil, rock and loading conditions have required Mr. Hildebrand to employ many different foundation systems to include spread footings, strip footings, conventionally driven steel and timber piles, auger-cast piles, injection piles, caissons, and mat foundations.

Mr. Hildebrand spent six years of his career as a project manager in the construction industry. These years have given him added insight and understanding of construction practices, labor and material management, and construct-ability issues contractors must deal with during a construction project. This insight and understanding is a tremendous aid in development of new and better designs in the complex world of building design and construction.

In addition to the design and analysis of new structures, Mr. Hildebrand has a vast background in reviewing existing and planned structures for both conformation of structural integrity and determination of cause of structural distress. These reviews have been performed at the request of Owners, Architects, and Contractors for building expansion, modification, and/or remediation purposes. Reviews and investigations of failed and distressed structures have been performed on behalf of Owners, Design and Construction professionals, Attorneys, and Insurance Companies. The previously mentioned design experience coupled with these reviews gives Mr. Hildebrand the ability to quickly determine weaknesses of a designed structure or the most probable cause of failure of an existing structure.

EDUCATION

Bachelor of Civil Engineering - Southern Technical Institute, 1976

REGISTRATIONS & CERTIFICATIONS

Registered Professional Engineer in the following States:

- Florida # 39952
- Georgia # 16382

PROFESSIONAL ASSOCIATIONS/AFFILIATIONS

American Institute of Steel Construction
Affiliations National Structural Engineers Association
Structural Engineers Association of Georgia
International Concrete Repair Institute

CAREER HISTORY

FORCON International – Independent Forensic Civil/Structural Engineer Consultant

Conducting forensic engineering investigations and provide expert witness testimony for cases involving property damage and the failure of design and/or construction of low, mid, and high rise commercial and residential and institutional buildings and light industrial structures with particular focus on building materials employed in many different structural applications.

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KEY REPRESENTATIVE PROJECTS

On the following projects, Mr. Hildebrand functioned as the project manager and/or the project engineer:

- **McDonough Road Baptist Church Family Life and Classroom Addition** - McDonough, Georgia - 1 story Assembly facility plus 2 story Classroom Building.
- **Thomas Crossroad Medical Office Building, Cowetta County, Georgia** - 2 Story steel framed medical facility.
- **Eckerd Drug Store, multiple locations throughout southeast USA** - 1 story steel framed retail facility.
- **Jameson Inn, multiple locations throughout southeast USA** - 2 and 3 story timber framed hotels.
- **Houston Medical Center Ambulatory Surgery Center, Houston Co, GA** - 1 story steel framed medical/surgical facility.
- **Kmart-Puerto Rico**, Hurricane damage assessment of Kmart Stores.
- **Stonepark Condominiums, Atlanta, Georgia** - Structural condition assessment and remediation.
- **Ross's Landing Plaza and Tennessee Aquarium** - Chattanooga, TN. Recipient of the American Society of Civil Engineers "Award of Engineering Excellence".
- **Chattanooga Paper Board, Chattanooga, TN.** - Renovation and reconstruction of steel framed paper manufacturing facility.
- **Chattanooga News Free Press, Chattanooga, TN.** - Multi-story steel and concrete press room.
- **Pelican Beach Condominiums, Destin FL.** - 19 story concrete structure with twoway slab system.
- **Chattanooga Choo-Choo Hilton, Chattanooga, Tn.** - 10 story masonry and concrete.
- **Aircraft Hangers and Fueling Centers,** - various locations across the country.
- **Low, mid, and highrise outdoor advertising structures** - numerous locations throughout the U.S.A.
- Providing Structural Forensic Investigations and Expert Witness services for private Owners, Design and Construction professionals, Attorneys, and Insurance Companies.