

## **PROFESSIONAL SUMMARY**

Licensed professional engineer with thirty years experience performing and managing civil, structural and environmental investigation, development and construction projects. He has acted as project manager and owner's representative for numerous retail, commercial, industrial, and manufacturing facility building efforts throughout the United States and internationally. He has managed approximately 100 asbestos & lead surveys, and abatement projects from New York to Florida as well as performing over 100 due diligence and condominium conversion investigations. His experience in design and construction has led him to be called on to perform over 400 forensic failure analyses including construction defects/disputes, structural, roofing, foundation, waterfront, underwater, geotechnical, water infiltration, product defect, production piping, slip/trip and fall, and fire/explosion origin and cause investigations.

## **SPECIAL QUALIFICATIONS**

- Qualified Professional Engineer, Licensed in Florida, Connecticut and New York, with 30 years of Civil Engineering and construction experience.
- Seven years of Environmental Engineering experience with expertise in asbestos, lead-based paint, underground contamination, indoor air quality, hazardous waste, water and air quality, and PCB's.
- Certified Fire and Explosion Investigator.
- Previously Certified as an English XL Tribometrist for slip testing of walking surfaces.
- Experience as a contractor, consulting engineer and owner's representative resulting in strong knowledge of construction from all perspectives.
- Three years of international experience in the Caribbean, South America and Africa.
- Certified Open-Water Scuba diver with over 200 work related dives.
- Strong Project Management and Business Management proficiency.

## **PROFESSIONAL EXPERIENCE**

**2005 to Present:**      **Applied Forensic Engineering, LLC**  
**Orlando, Florida**  
**Principal**

Owner and Principal Engineer responsible for all aspects of the business. Performs forensic investigations of construction defects, civil, structural, building envelope, and waterfront failures; fire origin and cause, product defect and slip/trip and fall investigations, including case presentation and courtroom testimony. Performs inspections in accordance with Florida Statutes relating to condominium conversions.

**2003-2005**      **Forensic Analysis & Engineering Corporation**  
**Raleigh, North Carolina**  
**Regional Branch Engineering Manager**

Responsible for the supervision of all engineering activities in the Orlando, Florida Regional Office. Performs forensic analysis of civil, structural, roofing, waterfront structure and environmental engineering failures, including case presentation, and courtroom

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testimony. Performs inspections in accordance with Florida Statutes relating to condominium conversions. Responsible for Orlando Office P&L, staffing and organization, as well as assistance with the firm's growth, continuing community relations, development, and training efforts.

**2001-2002**  
**Binswanger, CBB**  
**Orlando, Florida**  
**Project Manager**

Worked as an Owner's representative providing coordination between design team, contractor, vendors and owner. Services included selecting the architect, directing design work, selecting the contractor, directing progress, resolving problems and coordinating with the Owner's Vendors to ensure a complete, ready to move-in project.

**2000-2001**  
**Harbco Construction, Inc.**  
**Orlando, Florida**  
**Project Manager**

On-site project management of commercial projects from procurement, subcontracting, scheduling, construction and punch-out.

**1999-2000**  
**Sunterra Corporation**  
**Orlando, Florida**  
**Project Manager**

Provided management of new and renovation hospitality projects in six locations in South Florida and the Caribbean. Responsibilities included directing design, budgeting, permitting, procurement of owner-supplied materials, supervising construction, problem resolution and final punch-out. Also provided defect analysis and technical support for various maintenance and operational projects at the six resorts.

**1996-1999**  
**M.G. McLaren, P.C. Consulting Engineers**  
**Orlando, Florida and West Nyack, New York**  
**Senior Project Manager**

Managed civil, structural, waterfront and geotechnical investigation and design assignments. Also directed condition assessments and failure investigation projects. Responsibilities included on-site investigations, engineering design, preparation of plans and specifications, bidding, permitting, construction phase management, marketing, proposal preparation, presentations and client coordination.

**1993-1996**  
**Law Environmental P.E., P.C. (Division of Law Companies Group)**  
**New York, New York**  
**Manager - Facilities Engineering**

Initiated the start-up of the Facilities Engineering department and was responsible for P&L, annual planning, marketing and personnel management. Services included due diligence building condition surveys and forensic investigations of roofing, pavement, building envelope, structural, geotechnical and mechanical/electrical/plumbing systems. Asbestos, lead-based paint, Americans with Disabilities Act and electromagnetic field survey and design were also provided.

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**1991-1993**      **ENS Engineering Group**  
**Melbourne, Florida**  
**Partner/Chief Engineer**

Established an engineering and surveying business providing construction and mortgage surveying services along with civil and mechanical engineering design. Had eight employees, generating profits and revenue growth from inception.

**1990-1991**      **Atlantic Design & Construction, Inc.**  
**Rockledge, FL**  
**Senior Project Manager**

Responsibilities included total project management for design/build projects, bidding, obtaining permits, civil engineering design, and management of environmental issues. Projects ranged up to \$40 million.

**1987-1990**      **Law Engineering, Inc. (Division of Law Companies Group)**  
**Orlando, Florida**  
**Project Manager**

Responsibilities included management of asbestos abatement projects and coordination of Law Engineering's Petroleum Remediation for Florida. Asbestos management included developing scope and writing specifications, preparing contract documents and reports, along with managing bidding, scheduling, and field operations.

**1985-1987**      **Embree Construction Group, Inc.**  
**Orlando, FL**  
**Division Manager**

Total management of regional construction office covering 11 states with duties including directing all construction projects in the region, preparing budgets, annual planning, marketing, personnel management, and financial responsibility. Also acted as Project Manager on key projects.

**Project Manager**

Total project management of multiple at-risk commercial projects from bidding to procurement, subcontracting, scheduling, construction and punch-out.

**1981-1985**      **NL Baroid/NL Industries, Inc.**  
**Houston, TX**  
**Project Manager**

Provided total management of multiple design/build type projects including scope development, coordination of design team, cost control, negotiations, procurement, and construction phase management. Services also included material and systems inspections as well as technical support in the form of analysis and resolution of a diverse range of product and material failures.

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**1980-1981      John Deere Foundry  
East Moline, IL  
Staff Engineer**

Responsible for permitting and compliance with all environmental regulations (air, water, solid waste, hazardous waste and PCB) and management of capital projects. Annual budget for environmental issues exceeded \$23MM.

**EDUCATION**

Bachelor of Science degree in Civil Engineering  
South Dakota School of Mines & Technology, Rapid City, SD  
(Major: Civil Engineering with emphasis in Geotechnical Engineering)

**CONTINUING EDUCATION**

- National Fire, Arson, & Explosion Investigation Training Program
- English XL Slipmeter Certification Course
- Law School for Experts Seminar
- Contract Documents Preparation
- Liability and Loss Prevention
- Florida Building Code Primer
- Avoiding Design Blunders
- Metal Corrosion – Causes and Types
- What Engineers & Architects Need to Know about Finite Element Methods
- Florida Board's Laws and Rules for Professional Engineers
- Design of Storm Drainage for Parking Lots
- NIOSH 582 – "Sampling and Analysis of Airborne Asbestos Fibers"
- Management and Supervision of Asbestos Abatement Projects
- AHERA Asbestos Abatement Supervisor
- Asbestos Abatement: Facility Survey and Building Systems
- Asbestos Abatement: Management Planning
- Respiratory Protection for the Asbestos Abatement Industry
- Polarized Light Microscopy of Asbestos Containing Materials
- Critical Issues in Underground Storage Tank Management
- Leaking Underground Storage Tanks: Corrective Action Alternatives
- OSHA 40 Hour Health & Safety Training for Hazardous Waste Operations

**LICENSES AND CERTIFICATIONS**

- Professional Engineer – Florida, (New York and Connecticut inactive)
- Certified Fire and Explosion Investigator
- Certified Building Contractor - Florida (Inactive)
- Florida Asbestos Consultant (Inactive)
- Certified English XL Slipmeter Tribometrist (expired)

**AFFILIATIONS**

- National Association of Fire Investigators – Member
- President, Board of Directors, Cypress Landing Homeowner's Association