

ENGINEER: STUCTURAL/CIVIL

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EDUCATION:

1996 Bachelor of Science, Civil Engineering
University of Central Florida, Orlando, Florida

1993 Associate of Art
Valencia Community College, Orlando, Florida

1982 Associate of Applied Science
Tri-Cities Technical Institute, Blountville, Tennessee

EXPERIENCE:

October 2000 **Engineering Design & Testing Corp.**
To Present **Charleston, South Carolina**

Consulting Engineer. Specialized consulting in the area of structural engineering for commercial, industrial, and residential structures including cause and origin of collapsed structures, wind, flood, fire and settlement damage, construction losses, analysis of costs to repair or replace, evaluation and analysis of construction disputes. Provide investigations to determine the cause and origin of fires.

September 1996 **Bowen Engineering Corp.**
To October 2000 **Orlando, Florida**

Structural Engineer and Project Manager. Performed conceptual and detailed structural design and detailed structural analysis for multimillion dollar commercial, educational, and residential projects.

CONTINUING EDUCATION:

Introduction to Wood Connection Analysis, EDT Corp., 2018

Fire Retardant Treated Wood, EDT Corp., 2018

Pressure Treated Wood, EDT Corp., 2018

Heat, Air, and Moisture Components of Building Envelopes, EDT Corp., 2018

Design of Commercial – Industrial Guardrail Systems for Fall Protection, PDHengineer.com, 2018

Introduction to World Class Machine Maintenance Methods, PDHengineer.com, 2018

OSHA Personal Protective Equipment, PDHengineer.com, 2018

Preventative of Shoreline Erosion – Coastal Defense Schemes, PDHengineer.com, 2018

Engineering Analysis of Failure: Determination of Cause in a Legal Environment, Engineering Design & Testing Corp., 2017

MSE Retaining Walls – Design and Analysis, Engineering Design & Testing Corp., 2017

Ballast Water Management: Background, Practice and Legislation, Engineering Design & Testing Corp., 2017

Technological Review of Unmanned Aerial Vehicles (UAVs) and Their Uses, Engineering Design & Testing Corp., 2017

Florida State Board of Engineers Rules, Laws and Ethics, provided by Failure & Damage Analysis, Inc., 2017

Marine, Cargo and Stock Throughput Insurance, Engineering Design & Testing Corp., 2016

A Primer Regarding Blast Loads on Structures, Engineering Design & Testing Corp., 2016

BCD420 International Building Code (IBC) Essentials for Wood Construction Based on the 2015 IBC, American Wood Council, 2016

BCD302 Prescriptive Residential Wood Deck Construction, American Wood Council, 2016

Earthquakes – Key Concepts to Aid in Damage Evaluation,
Engineering Design & Testing Corp., 2015

*Non-Invasive Structural Repairs and Retrofit – Utilization of Carbon Fiber Reinforced
Polymers for Structural Enhancements,* Engineering Design & Testing Corp., 2015

On Thin Ice – Building Failures During Winter, Engineering Design & Testing Corp., 2015

Federal Rules of Civil Procedure (FRCP) Rule 26 – Expert Reports,
Engineering Design & Testing Corp., 2015

Americans with Disability Act and Resulting Accessibility Standards,
Engineering Design & Testing Corp., 2015

Florida Laws and Rules for Engineers, PDHLibrary.com, 2015

OSHA 10 Hour Construction Program [V14.1], RedVector.com, 2015

Fall Protection in Construction, Decatur Professional Development, LLC, 2014

Vapor Barriers Under Concrete Slabs – How to Select and Locate,
Decatur Professional Development, LLC, 2014

Design of Commercial – Industrial Guardrail Systems for Fall Protection,
Decatur Professional Development, LLC, 2014

Building a Storm-Resistant Safe Room, CED Engineering.com, 2014

Silica Exposure in Sandblasting, Construction and Other Occupations,
CED Engineering.com, 2014

OSHA Fatal Facts: Fatalities Caused by Improper Work Practice,
CED Engineering.com, 2014

Safety on the Job, Engineering Design & Testing Corp., 2013

Social Networking and the Consulting Engineer, Engineering Design & Testing Corp., 2013

Filing Rules in a Judicial System, Engineering Design & Testing Corp., 2013

Changes in the Wind Provisions of the ASCE 7 Standard,
Engineering Design & Testing Corp., 2013

Walkway Safety, Engineering Design & Testing Corp., 2013

Florida Laws and Rules for Engineers, PDHLibrary.com, 2013

Prevention of Shoreline Erosion – Coastal Defense Schemes, PDHengineer.com, 2013

Construction Defect Investigation (Presenter), Engineering Design & Testing Corp., 2012

Estimating for Civil/Structural Engineers – All About the Process,
Engineering Design & Testing Corp., 2012

The Daubert Decision: Where Have We Come Since 1993?,
Engineering Design & Testing Corp., 2012

Hydrology – A Look at Storm water, Drainage and Flooding,
Engineering Design & Testing Corp., 2012

What Do Engineers and Architects Need to Know about the Americans with Disabilities Act?, PDH Center, 2012

Residential Deck Construction, PDH Center, 2011

Concrete Deterioration, PDH Center, 2011

Coastal Terminology and Geologic Environments, PDH Center, 2011

Engineering Ethics Seminar, Engineering Design & Testing Corp., 2011

Asphalt Composition Roof Coverings, Engineering Design & Testing Corp., 2011

Earthquakes – Key Components to Aid in Damage Evaluation,
Engineering Design & Testing Corp., 2011

Geological Engineering Basics for Non-Geotechnical Engineers,
Decatur Professional Development, LLC, 2010

Wood Decay vs. Termite Damage (Presenter), Engineering Design & Testing Corp., 2010

Tile Flooring Installation and Inspection, Engineering Design & Testing Corp., 2010

Florida Laws and Rules for Professional Engineers, ActivEngineer.com, 2010

*Alternate Means and Methods as Provided by the ICC (Presenter),
Engineering Design & Testing Corp., 2009*

You Can Judge a Roof by Its Cover, Engineering Design & Testing Corp., 2009

Florida Laws and Rules for Engineers, Decatur Professional Development, LLC, 2009

*Bearing Capacity of Shallow Footings and Construction of Residential Buildings in
Coastal Areas, Decatur Professional Development, LLC, 2008*

Building Codes, Lorman Education Services, 2008

*Damage Assessment – Electronic Theodolite Applications,
Engineering Design & Testing Corp., 2008*

Pedestrian Falls, Engineering Design & Testing Corp., 2008

Spontaneous Ignition and Pyrolysis, Engineering Design & Testing Corp., 2008

Concrete Petrography, Engineering Design & Testing Corp., 2007

*Post Toasting – Post Fire Structural Surveys and Investigations,
Engineering Design & Testing Corp., 2007*

Lean on Me – Temporary Construction Bracing, Engineering Design & Testing Corp., 2007

Hail Testing of Residential Roofing Materials, Engineering Design & Testing Corp., 2006

*Who is Fellenius and What Can He Tell Us About Unsuitable Soils,
Engineering Design & Testing Corp., 2006*

Hurricane Damage Evaluation Procedures, Engineering Design & Testing Corp., 2006

An Introduction to Infrared Thermography, Engineering Design & Testing Corp., 2005

Windows: Performance and Testing, Engineering Design & Testing Corp., 2005

*Variations between the Florida Building Code and the International Building Code,
Engineering Design & Testing Corp., 2005*

*Legal Issues for South Carolina Professional Engineers,
HalfMoon, LLC, Columbia, SC, 2005*

Avoiding Design Blunders, PDH Center, 2005

Confined Space Entry Compliance, training provided by the Safety and Health Council of North Carolina, 2004

Reinforced Modular Block Walls and Metal Roofing Systems, Engineering Design & Testing Corp., 2004

NABIE Standards of Practice for Building Inspectors, PDH Center, 2004

*Moisture in Residential Crawlspace*s, Engineering Design & Testing Corp., 2003

EIFS Panel Discussion, Engineering Design & Testing Corp., 2003

Overview of the Structural Provisions of the IBC, Greenville, SC, 2003

Mold Remediation in Schools, PACE, 2003

Fire Sample Handling, Engineering Design & Testing Corp., 2002

Examination and Evaluation of Wood Roofs and Wood Decay vs. Termite Damage (Presenter), Engineering Design & Testing Corp., 2002

Characteristics of Roofing Systems, Engineering Design & Testing Corp., 2001

DPIC's Professional Liability Education Program: Liability IQ for Architects and Engineers, 1999

PROBOLT, Structural Tie-down System, Mid-Florida Chapter of Building Officials, (Presenter of technical data for the program), 1999

Light Gauge Steel Engineers Association's Cold Formed Steel Design Seminar on the design and analysis of Light Gauge Metal Framing in commercial and residential projects, 1999

Florida Concrete and Products Association Masonry Construction and Inspection Certification Workshop. A two-day seminar on the design, installation, and inspection of masonry walls held in Orlando, Florida. Certified as Structural Masonry Inspector, 1997 (expired 9/20/99)

ACI seminar on *Tilt-up Construction and Slabs on Grade*. The seminar addressed the design and proper construction practices for Concrete Tilt- up Walls and Structural Slabs on Grade, Orlando, Florida, 1997

Concrete Mix Selection and Proper Placement,
Florida Concrete and Products Association Seminar, 1996

REGISTRATIONS and CERTIFICATIONS:

Registered Professional Engineer in South Carolina (#21673)
Registered Professional Engineer in Georgia (#PE028936)
Registered Professional Engineer in North Carolina (#030353)
Registered Professional Engineer in Florida (#63362)
Registered Professional Engineer in West Virginia (#018303)
Registered Professional Engineer in Alabama (#32056-E)
Commercial Building Inspector, International Code Council
Building Plans Examiner, International Code Council