

**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:**

*Vibration Damage – Is It all it's cracked up to be?*, EDT Corp., 2019

*No Tears Veneers – Keeping Water Out of Walls*, EDT Corp, 2019

*A Forensic Engineer's Guide to Geotechnical Field Analysis*, EDT Corp., 2019

*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