

**Michael D. O'Steen, P.E.**  
mikeosteenpe@gmail.com :: 252-423-2300

---

**MICHAEL D. O'STEEN, P.E.**  
**1720 Bay Drive :: Kill Devil Hills, North Carolina 27948**  
**mikeosteenpe@gmail.com :: 252-423-2300**  
**www.michaeldosteenpe.com**

---

### **PROFESSIONAL LICENSURE**

State of North Carolina #032698 (29/12/2006)  
Commonwealth of Virginia #044150 (16/10/2007)  
State of South Carolina #27512 (17/07/2009-inactive)  
NCEES record #31863 (05/09/2007)  
International Registry of Professional Engineers #31863 (28/02/2010)

### **PROFESSIONAL EXPERIENCE:**

#### **MICHAEL D. O'STEEN, P.E.**

President

2009-Present

- Perform business development and project management functions as Engineer of Record to include client management and coordination with professional consultants from conception to completed construction for design-build project schedules.
- Provide structural engineering, consulting, forensic engineering and related expertise to a wide variety of clients regarding but not limited to design of steel, masonry, reinforced concrete, timber framed structures, deep pile foundation systems, retaining walls, shoreline protection systems, marine structures and planning for commercial, mixed use, essential facilities and residential multi-story structures within high wind zones and coastal flood plain area.

#### **PATE ENGINEERING & LAND SURVEYING, P.C., Nags Head, NC**

*(company licensed in NC, SC, VA, MD, GA, FL, MA, TN)*

Co-founder and Civil Engineer

2003-2009

- Perform business development and project management functions to include client management, staff management, and coordination with professional consultants from conception to completed construction for design-build project schedules.
- Provide structural engineering, civil engineering, consulting, forensic engineering and related expertise to a wide variety of clients regarding but not limited to design of steel, masonry, reinforced concrete, timber framed structures, deep pile foundation systems, retaining walls, marine structures and planning for commercial, mixed use, and residential multi-story structures within high wind zones and coastal flood plain area.
- Review and prepare construction documentation for design projects that included wall panel fabrication, structural layouts of floor, wall, roof, lateral force resisting systems, foundation systems, steel fabrication, and specialized connection drawings.
- Conduct land surveying for the planning and construction layout for the permitting and development of commercial properties.

#### **FLOREZ & FLOREZ DESIGNERS, INC., Point Harbor, NC**

Structural Designer

2002-2003

- Structural design of residential structures located primarily within coastal/high wind regions (Atlantic & Gulf Coasts). Projects to include custom and model home designs

up to four stories. Coordinate project specifications and construction documentation with project EOR and General Contractor.

**EFCO BUILDING SYSTEMS-a subsidiary of CSI, Inc., Columbia, SC**

Cold-formed steel truss designer/estimator

2001-2002

- Design of cold-formed steel truss systems through the use of Alpine's VIEW for Trussteel software. Projects to include all building use types under ASCE 7-98 classification guidelines. Projects located along the Eastern Seaboard (Massachusetts to Florida).
- Estimate cost of materials, fabrication, transportation, and construction values for cold-formed steel framing systems to include composite deck, panelized wall systems, roof trusses, and other associated items for fabrication and delivery of "turn-key" structural systems. Contracts range from 50K to 2.5M.

**HOWERTON CONSTRUCTION, Nags Head, NC**

Code Compliance/Lead Carpenter

2000-2001

- Quality assurance regarding specialized connections for lateral/uplift forces and site specific construction techniques associated with high wind and ocean hazard load conditions. Construction of three and four story timber framed structures with deep pile foundation systems located immediately adjacent to Atlantic Ocean within FIRM V-zone and CAMA AEC (area of environmental concern).

**BISSELL PROFESSIONAL GROUP, Kitty Hawk, NC**

Civil Engineer

1997-2000

- Design of single-family residences constructed with cold-formed steel. Construction documentation for primary structural system, fabrication drawings for panelized wall systems, and necessary connection details to include components and cladding integration.
- Structural evaluation presented in report format with applicable retrofit recommendations. Structures include commercial and residential, CMU block, steel, timber-framed buildings, and steel bridge members. Analysis consists of field inspections in conjunction with computer aided analysis.
- Land Surveying: Construction surveying for the development of commercial properties, North Carolina Dept. of Transportation projects, boundary surveys, elevation certification, final as-built, Party-Chief for two and three man survey crews.

**CONTINUING EDUCATION**

High wind and flood desing for new and existing buildings using ASCE 24 and ASCE 7-10

High Wind Design for Wood Pile Construction

Design of Metal Building Systems: Avoid Pitfalls in Specifying and Procuring

Design of Lateral Force Resisting Systems Using the 2009 International Building Code

ATC-45 Safety Evaluation of Buildings after Wind Storms and Floods

Avoiding Failures of Retaining Walls

Seismic Loads for Buildings and other Structures

Moment-Resisting Connections in Steel Structures  
Cold Formed Steel X-Brace Design  
Wind Design for Non-Residential Wood Structures  
Wind and Seismic Retrofit of Buildings  
Wind Loads for Buildings and Other Structures  
Estuarine Shorelines: Value, Regulations & Stabilization

### **PROFESSIONAL ORGANIZATIONS**

American Society of Civil Engineers (ASCE)  
Structural Engineering Institute (SEI)

### **EDUCATION**

Old Dominion University: Bachelor of Science in Civil and Environmental Engineering (2001);  
Concentration: Structural

### **PROJECTS**

Bank of the Commonwealth - Harbinger & Kitty Hawk, North Carolina  
Structural Engineering of steel moment frame, manufactured truss, and panelized wall timber-framed structures.

Waves Development- Rodanthe, North Carolina  
Structural Engineering of manufactured truss and panelized wall timber-framed structure with steel moment frame and deep pile foundation system adjacent to Pamlico Sound.

Marhes Light Development - Manteo, North Carolina [www.marsheslight.com](http://www.marsheslight.com)  
Structural Engineering of manufactured truss timber-framed structures with integrated steel-timber deep pile foundation systems, waterfront development.

Bermuda Bay Development - Kill Devil Hills, North Carolina [www.bermudabay.us](http://www.bermudabay.us)  
Structural Engineering of timber-framed structures with deep pile foundation systems.

### **REFERENCES**

Christopher Nason, AIA, LEED AP

PO Box 1827

Kitty Hawk, NC 27949

[nason@beaconarchitecture.com](mailto:nason@beaconarchitecture.com)

(252)441-6767

Michael W. Robinson, PE, PLS

PO Box 2852

Kill Devil Hills, NC 27948

[mrobinson@obxengineering.com](mailto:mrobinson@obxengineering.com)

(252)255-8026