



## THE STRUCTURES GROUP, INC

STRUCTURAL ENGINEERS

### CURRICULUM VITAE

**Nick M. Bradford, PhD, PE SE SI LEED AP**

Contact Information: 1714 N. Armenia Avenue, Suite B  
Tampa, FL 33607  
(813) 877 – 3421

[nbradford.tsg@gmail.com](mailto:nbradford.tsg@gmail.com)

[www.tsg-engineering.com](http://www.tsg-engineering.com)

### EDUCATION

- Pennsylvania State University
  - BS Architectural Engineering - Structures, 1992
  - MS Architectural Engineering - Structures, 1993
- University of South Florida
  - PhD Civil Engineering, 2004

### PRACTICE AREAS

- Structural Failure / Collapse
- Structural design
- Structural Analysis
- Structural Inspections
- Building Code Analysis
- Construction Defects
- Forensic Engineering
- Hurricane Engineering
- Failure Analysis
- Wind Engineering
- Flood Engineering

**YEARS IN PRACTICE:** 25+

### REGISTRATIONS

- Professional Engineer (PE) in FL, AL, GA, MS, SC, NC, AR, LA
- Structural Engineering (SE) in FL
- Florida Special Inspector (SI)
- American Society of Civil Engineers
- Structural Engineering Institute
- NCEES Model Law Engineer
- LEED AP

### EXPERIENCE

Dr. Bradford has been a practicing structural engineer for the past 27 years. Dr. Bradford is the president and founder of The Structures Group, located in Tampa, Florida. The Structures Group provides structural engineering for new construction projects as well as forensic investigations. Since its inception in 1999, The Structures Group has worked on over 9,000 residential, commercial and forensic projects.

### New Construction

In the area of new construction, we provide structural engineering for projects in the areas of custom residential, production builder residential, multi-family residential, retail/commercial construction, churches, industrial facilities and warehouses. Dr. Bradford is a licensed Special Inspector (Threshold Inspector) in the State of Florida. He has been the Special Inspector for buildings involving a variety of structural systems.

### Specialty Engineering

We provide specialty structural engineering

services such as controlled demolition and accessory structures. Our engineering projects include coastal construction projects involving high wind loading, wave loading, flooding, and scour analysis.

### Forensic Engineering

In the area of forensic engineering, we provide structural engineering failure investigations, feasibility assessments, structural failure/collapse analysis reports, and Building Code assessments. Further, we provide construction documents for facilitating rehabilitation/repairs of damaged structures. We have significant experience with fire, wind, vehicular impact, subsidence, water, insects, improper design, and faulty construction.

### Litigation Support

Dr. Bradford is a certified Neutral Evaluator for Sinkhole disputes in the State of Florida. Dr. Bradford has worked on approximately 250 projects involving insurance claims. He has also testified as an expert witness in court, by deposition, in mediation, and in non-binding arbitration.

# THE STRUCTURES GROUP, INC

---

STRUCTURAL ENGINEERS

## CURRICULUM VITAE

Nick M. Bradford, PhD, PE SE SI LEED AP

## RELEVANT EXPERIENCE

---

(2019 – 2020)

### New Construction

- North Florida Lofts – Tampa, FL: Structural Engineer of Record, Threshold Inspector. 4 Story multi-family building
- DW Townhomes – Multiple Locations, Tampa, FL: 40 two and three story townhome projects. Structural Engineer of Record
- Gulfbay Townhomes – Multiple Locations, Tampa, FL: 12 two story townhome projects. Structural Engineer of Record
- Oleander Triplex – Osceola County, FL: 2 story townhome project. Structural Engineer of Record
- Homes by Westbay – Multiple Locations, Florida: 40 Single Family residences per month. Structural Engineer of Record
- First Financial Office – Tampa, FL: Structural Engineer of Record. Two story commercial building
- St. Mark Coptic Church – Ft. Myers, FL: Structural Engineer of Record. Two story tilt wall church
- First Baptist Church – St. Petersburg, FL: Structural Engineer of Record for church building construction

### Forensic Engineering

- Commodores Cove Condominiums – MW Architecture: Rehabilitation of moisture intrusion/window replacements (2019)

- Isles at Millenia – Rios Architecture: Fire damage to three story apartment buildings (2020)
- Calais Park Apartment – Rios Architecture: Fire damage to two story apartment buildings (2020)
- Argos Bldg ER01 – Argos: Rehabilitation of existing roof deck for new rooftop units. (2020)
- Salt Warehouse, Port Tampa – Kimmins Contracting: Controlled partial demolition of existing precast roof panels (2019)
- Perfecto Garcia Cigar Factory Rehab: Full rehabilitation of 4 story cigar factory (2020)
- 1202 N Howard Cigar Factory: Structural assessment of 4 story cigar factory (2019)
- Lotus Landing – Left Coast Construction: Rehabilitation of multiple landings/balconies in 20 building apartment complex (2020)
- Pro Health Clinic – Arvanitis: Rehabilitation and renovation of existing one story office building (2020)
- 2234 E 7<sup>th</sup> Ave – Parasol Development: Rehabilitation and renovation of existing two story brick office building (2020)
- Atlas Building – Wolfe Architecture: Evaluation of construction defects in two story office building (2019)
- Solid Waste Buildings – City of Tampa: Evaluation and structural rehabilitation of

existing one story industrial building (2019)

- Teco Boiler #6 Demo – Kimmins Contracting: Controlled demolition of 20 story industrial facility (2019)
- Catalent Pharma Renovations – PPT: Renovations to existing two story industrial facility (2019)

### Litigation Support

- Faria Residence – Apopka, FL: Tree impact damage to residence (2020)
- Vasquez Metals – Tampa, FL: Potential Collapse of existing 1 story commercial building (2020)
- Arkin – Tampa, FL: Windstorm Damage to one story office (2019)
- Jankauskas Residence – Mills Mehr: Windstorm Damage to two story residence (2019)
- Kandola Residence – Ft. Myers, FL: Windstorm and flood damage to one story residence (2019)
- 1762 72n Ave – St. Petersburg, FL: Fire damage to existing one story residence. (2019)
- 589 Spinnaker Dr. – St. Petersburg, FL: Windstorm damage to one story residence (2019)
- Parrish v. Cane – New Port Richey, FL: Construction defects in three story residence (2019)
- Diaz Residence: Neutral Evaluation of Sinkhole damage to single family residence (2019)