

# Charles Taylor Engineering - Building & Construction

## EXPERTS IN THE FIELD

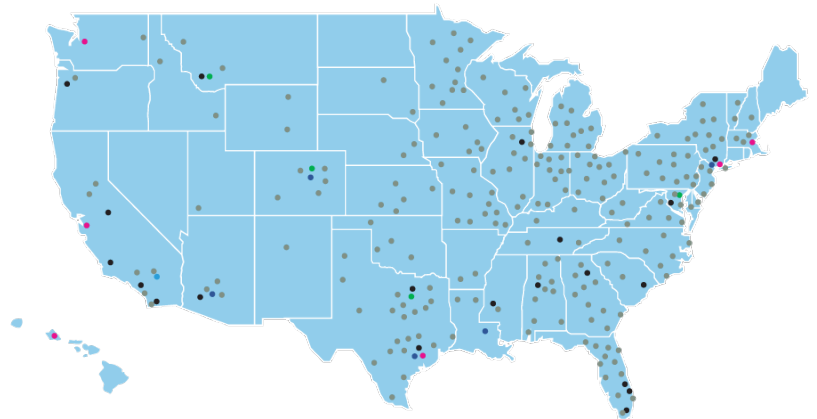
The Charles Taylor Engineering Building & Construction team delivers a wide range of expertise servicing the design and construction market. Our team of industry experts works primarily with clients in the construction, legal, and insurance sectors, specializing in forensic engineering, construction management and re-design of properties.

## OUR SERVICES INCLUDE:

- Architectural Design & Code Review
- Air Barrier & Building Fenestration Testing
- Reserve Studies & Property Condition Assessment
- Third-Party Peer Review
- Litigation Support & Expert Witness Testimony
- Building Envelope Repair
- Thermal Imagery
- Structural, Civil & Architectural Forensic Analysis
- Construction Administration & Quality Assurance
- Premise Liability Claims & Litigation Support
- Vibration Monitoring & Pre- and Post-Construction Assessment
- Forensic Cause & Origin – Wind, Hail, Fire, Flood, Soil, Movement, & Construction Defect

## THERE WHEN AND WHERE YOU NEED US

Our Engineering team is strategically located across the country and is supported by a nationwide network of Charles Taylor adjusters who together, allow us to address our client's needs quickly and effectively.



## MEET THE PRESIDENT



### Corey Schrauben

President, CT Engineering Building & Construction

E: [COREY.SCHRAUBEN@CHARLESTAYLOR.COM](mailto:COREY.SCHRAUBEN@CHARLESTAYLOR.COM)

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## Get In Touch

For more information, contact your representative or visit our website at [charlestaylor.com/usa](http://charlestaylor.com/usa)



**CONTACT DETAILS:**

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M: +1 443-603-2642

Arnold, MD

## Henry H. Keith, E.I.T., CFEI, CVFI

### *Forensic Specialist*

**AREAS OF EXPERTISE:**

Mechanical Engineering, Project Management, Building Inspections, Building Construction, Analysis of Origin and Cause for Building and Vehicle Fires, Testing Development and Implementation, Developer of Wireless Data Acquisition System, Preconstruction Surveys, 3D Scanning/Modeling and Presentations, Organic Growth Testing and Identification, Construction Management, Water Intrusion Investigation, Product Analysis & Testing, Equipment Failure

**QUALIFICATIONS:**

2017: CVFI- Certified Vehicle Fire Investigator License

2017: Faro 3D Scanner Training

2014: CFEI- Certified Fire and Explosion Investigator License

2011: OSHA, 30- Hour General Industry Safety & Health, Occupational Safety and Health Training

2011: E.I.T. Certification

2011: B.S. Mechanical Engineering, University of Maryland, College Park, Maryland

**PROFESSIONAL MEMBERSHIP:**

NAFI: 19500-10965v

CFEI: 19500-10965v

CVFI: 19500-10965v

**EXPERIENCE:**

**October 2021– Present: Forensic Specialist, Charles Taylor Engineering Technical Services – Building and Construction, East Coast**

Mechanical Engineer focusing primarily on engineering expert witness support for litigation, insurance claim evaluation, and construction consulting.

**July 2018- October 2021: Forensic Consultant, Annapolis, MD**

Mechanical Engineer performing expert witness support for litigation, insurance claim evaluation, construction consulting and fire investigation.

**July 2018- April 2021: Interiors Director, Bernward, Severna Park, MD**

Oversaw interiors division for construction, manage teams of individuals, generate estimates, manage projects, and coordinate contracts.

**January 2012-March 2018: Mechanical Engineer, CED Technologies, Annapolis MD**

Mechanical Engineer performing expert witness support for litigation, insurance claim evaluation, construction consulting and fire investigation.



## Jason D. Boyd, P.E., LEED AP

*Director*

*Civil & Environmental Engineer*

### CONTACT DETAILS:

[Jason.Boyd@charlestaylor.com](mailto:Jason.Boyd@charlestaylor.com)

M: +1 717-816-2963

Sykesville, MD

### AREAS OF EXPERTISE:

Site Design, Sidewalk and Parking Lot Design, Roadway Design/Traffic Control, Building Construction, Construction Management, Construction Site Safety (OSHA), Property Management and Maintenance, Premises Liability, Slip, Trip & Fall, ADA Regulations, Stormwater Management, Flooding, Hydrology, Water Intrusion, Erosion & Sedimentation Control, Soils Behavior, Grading, Vibration Analysis, Sustainable Design (LEED), Swimming Pool Design, Utility Design/Locating, Well & Septic Systems

### QUALIFICATIONS:

- 2013: M.S. Environmental Planning and Management, Johns Hopkins University
- 2004: B.S. Civil Engineering, Lafayette College
- 2018: National Retail & Restaurant Defense Association Conference Speaker – Premises Liability, Safe Walking Surfaces, ADA
- 2014: CXLT Certification, Certificate No. 1411547
- 2013: International Association of Drilling Contractors RigPass/SafeGulf/SafeLand
- 2010: 30-Hour OSHA 1926 Construction Certification

### PROFESSIONAL MEMBERSHIP:

- State of Maryland Professional Engineer, #39616
- State of Delaware Professional Engineer, #17643
- State of Florida Professional Engineer, #69878
- Commonwealth of Pennsylvania Professional Engineer, #077415
- Commonwealth of Virginia Professional Engineer, #0402059214
- Member - American Society of Civil Engineers
- Member – United States Green Building Council

### EXPERIENCE:

#### **October 2021– Present: Director, Charles Taylor Engineering Technical Services- Building and Construction, East Coast**

Director of east coast operations focusing primarily on engineering expert witness support for litigation, insurance claim evaluation, and construction consulting.

#### **June 2010 – September 2021: Civil Engineer, CED Technologies, Annapolis, MD**

Civil Engineer performing expert witness support for litigation, insurance claim evaluation, and construction consulting.

**Jason D. Boyd**  
*Director  
Civil/Environmental  
Engineer*

**August 2009 – December 2020: Principal, Weaver, Boyd, Mummert & Associates, Clearwater, FL**

Founder and principal engineer performing civil engineering design services and construction consulting.

**April 2014 – Present: Partner, BTG Investments, LLC – Hanover, PA**

Co-owner of real estate development company focusing on residential and commercial acquisitions, redevelopment, and property management.

**October 2006 – August 2009: Project Manager, Keith Zayac & Associates, Safety Harbor, FL**

Engineering project manager performing civil engineering design services, permitting, project review, inspections, and construction management.

**August 2004 – October 2006: Project Engineer, First Capitol Engineering, York, PA**

Project engineer performing civil engineering design services, permitting, project review, inspections, and construction management.



## Zane Sadik, P.E., PMP, CGC

*Senior Engineer*

*Civil / Structural / Coastal*

### AREAS OF EXPERTISE:

Civil/Structural/Coastal Engineering, Railroad, Wind/Flood Damage, Storm Damage, Water Intrusion, Disaster Response, Damage Assessment, Construction Management, Construction Defect, Construction Compliance, Premise Liability, Vibration Analysis, Building Construction, Waste Water Treatment Plants, Swimming Pools, ADA Regulations, Utility Design/Locating, Sidewalk and Parking Lot Design, Grading, Port Design, Property Maintenance, Grading, Site Design, Automation, Drone Aerial Mapping, Repair Method Analysis of Commercial and Residential Structures

### CONTACT DETAILS:

[Zane.Sadik@charlestaylor.com](mailto:Zane.Sadik@charlestaylor.com)

M: +1 302-562-3209

Ponte Vedra Beach, FL

### QUALIFICATIONS:

2011: M.S. Civil Engineering, Johns Hopkins University

2007: BS Civil Engineering, University of Delaware

OSHA, 40-Hour HAZWOPER

OSHA, 30-Hour Hazard Recognition Training for the Construction Industry

OSHA, 30-Hour General Industry Safety & Health, Occupational Safety and Health Training

OSHA, 10-Hour Construction Program

Wind Certified Umpire

Wind Certified Appraiser

CSX Lean Manager

CSX Green Belt

### PROFESSIONAL MEMBERSHIP:

Certified General Contractor, License No. CGC1527397

Project Management Professional (PMP), Certificate No 1669217

HAAG Certified Inspector, Residential Roofs, Certificate No. 992109033

Remote Pilot of a Small Unmanned Aircraft System, Certificate No. 4189080

State of Alabama Professional Engineer #38570-E

State of Delaware Professional Engineer, #14834

District of Columbia Professional Engineer, #PE921940

State of Florida Professional Engineer, #74973

State of Georgia Professional Engineer, #PE044864

State of Kentucky Professional Engineer, #37408

State of Louisiana Professional Engineer, #44293

State of Maryland Professional Engineer, #41456

State of Mississippi Professional Engineer, #32512

State of New Jersey Professional Engineer, #24GE05793700

State of New York Professional Engineer, #105671

State of North Carolina Professional Engineer, #049120

State of Pennsylvania Professional Engineer, #PE079776

State of South Carolina Professional Engineer, #38484

State of Tennessee Professional Engineer, #122937



**Zane Sadik**  
Senior Engineer  
Civil/Structural/Coastal

State of Texas Professional Engineer, #143761  
State of Virginia Professional Engineer, #402051193  
State of West Virginia Professional Engineer, #025071  
Puerto Rico Registered Professional Engineer, #28463  
US Virgin Islands Registered Professional Engineer, #1773-E  
Member - American Railway Engineering and Maintenance-of-Way Association (AREMA)  
Member - American Society of Civil Engineers (ASCE)  
Member - Coasts, Oceans, Port, and Rivers Institute (COPRI)  
Member - Construction Institute (CI)  
Member - Project Management Institute (PMI)  
Member - Structural Engineering Institute (SEI)

**EXPERIENCE:**

**November 2021– Present: Senior Engineer, Charles Taylor Engineering Technical Services-Building and Construction, East Coast**

Forensic Engineer handling cases involving construction defects, premise liability, structures, structural collapse, construction means and methods, estimating, expert analysis and testimony. Creation of 3D models for site preservation, trial, and mediation.

**September 2018 – November 2021: Forensic Engineer, CED Technologies Inc. – Jacksonville, FL**

Forensic Engineer; creating and running a drone program for scene preservation and trial/mediation exhibits. Handling cases involving construction defects, premise liability, structures, structural collapse, railroad, wastewater treatment plants, site design, grading, storm damage, construction means and methods, estimating, expert analysis and testimony.

**November 2015 – September 2018: Engineer, CSX Transportation, Inc., Jacksonville, FL**

Engineer; working on various aspects of the railroad from structural, civil, signals, communications, IT, and Bridge departments. Managing a bridge automation initiative across several states involving FRA, Union, Coast guard, and other federal regulations. Removal and replacement of a swing bridge in the gulf coast and running a train within 24 hours of start of removal.

**July 2015 – November 2015: Black Belt, CSX Transportation, Inc., Jacksonville, FL**

Working on various projects involving internal and external customers along with various constraints to map the current state and obtain buy in from all stake holders to create a new final state. Implement changes to existing processes to drive efficiency. One project led to \$1M+ per day generation for both CSX and Client. PM of a \$100M construction project in Casky, KY. First new yard in 40 years. First yard ever with several new technologies and automation. Elimination of several union positions and increased efficiencies and throughput.

**March 2012 – July 2014: Leads Field Manager, CSX Transportation, Inc., Baltimore, MD**

Working on various claims. Helping on board new customers and give load plan education. Investigation of damaged product and derailments to help clients salvage product and/or explain why the packaging of the products were not to approved method and assigning liability. Helping other departments get infrastructure back up and running after a derailment.

**Zane Sadik***Senior Engineer**Civil/Structural/Coastal***June 2008 – March 2012: Structural Engineer, JMT Inc., Sparks, MD**

Structural Engineer working on various commercial and residential projects. Projects ranging from schools' additions to Wastewater Treatment plants. Analysis and repair recommendations after the D.C. Earthquake. Port of Baltimore rehab and some Cruise terminal along with other coastal structural work. Working directly with contractors with RFI and means and methods of construction. Answering RFPs for potential work.

**June 2007 – May 2008: Structural Engineer, Morabito Consultants, Sparks, MD**

Structural Engineer working on projects from residential to commercial. Some post tensioned concrete design, tilt ups, roof top pools, helicopter pad on top of existing hospital, mixed-use buildings, underground parking garages, and other structural design. Working directly with contractors with RFI and means and methods of construction.