

PAUL ZAMROWSKI ASSOCIATES, INC.
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CURRICULUM VITAE

DAVID R. DANIELS, PE, MS, DFE
FORENSIC CIVIL/STRUCTURAL ENGINEER

Biography

Mr. Daniels has over 20 years of experience in civil and structural engineering. His duties have included the analysis, design, and inspection/evaluation of residential, commercial, and industrial buildings, air supported structures and bridges. His inspection and evaluation duties have included, but are not limited to, the assessment of structures to determine cause and extent of damage for accidents, collapses, construction defects, design errors, deterioration, explosions, failures, fatigue, fires, flood, hail, hurricanes, insect damage, lightning, mold, plumbing leaks, sinkholes, tree impacts, tornadoes, vehicular impacts, veneer/cladding failures, water intrusion, windstorms and wood rot.

Mr. Daniels has completed the following training for structural evaluations during disaster response: California OES Structural Assessment Program (SAP), ICC Disaster Response Inspector Institute, and the FEMA/USACE US&R Structural Specialist 56-Hour Basic Training Course (StS).

Mr. Daniels is currently a volunteer member of the Fame Fire Company No. 3 of West Chester and the Chester County Rescue Task Force as a Structures Specialist. He is also rostered as a Structures Specialist with DHS/FEMA Urban Search and Rescue, Pennsylvania - Task Force 1.

Mr. Daniels is currently the chairperson of the Structural Engineering Emergency Response (SEER) committee of the Structural Engineers Association of Pennsylvania (SEAoP) and a voting member of the National Council of Structural Engineer Associations (NCSEA) SEER Committee.

PAUL ZAMROWSKI ASSOCIATES, INC.

EXPERIENCE

Paul Zamrowski Associates, Inc. – West Chester, PA. **2005 - Current**
Consulting Forensic Civil/Structural Engineer responsible for investigation and analysis of residential, commercial, and industrial buildings to determine cause and extent of structural and civil engineering related damage, recommend repairs, and determine compliance with codes.

Daniels Consulting Engineers, LLC – West Chester, PA **2005 - Current**
Partner - Civil/Structural Engineer specializing in structural analysis and design of residential additions, homes, garages, and decks.

Louis Berger (formally Ammann & Whitney, Inc.) – Philadelphia, PA **2000 - 2005**
Structural Engineer in Training (EIT) specializing in structural design, hydraulic design, analysis, estimating, and inspection and evaluation of bridges, and highways.

Dewberry (formally Goodkind & O’Dea) – Mount Laurel, NJ **1998 - 2000**
Structural Engineer in Training (EIT) specializing in structural design, analysis, estimating, and inspection and evaluation of bridges, cellular antenna foundations, and highways.

Allen-Sherman-Hoff – Malvern, PA **1996 - 1997**
Structural engineering intern responsible for design and plan preparation of structural supports for pipe supports for ash handling systems in coal fired power plants.

Schnabel Engineering – West Chester, PA **1995 - 1996**
Field/Laboratory technician intern responsible for geotechnical testing of soils to determine properties and project specification, field testing of concrete and soils to verify compliance with project specifications.

EDUCATION

B.S. in Civil Engineering (Structural) **1998**
Drexel University, Philadelphia, PA

M.S. in Civil Engineering (Structural & Geotechnical) **2005**
Villanova University, Villanova, PA

George Fasic Outstanding Planning Education Achievement Award **2023 - 24**
Pennsylvania Municipal Planning Education Institute (PMPEI)

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LICENSURE

Professional Engineer (PE)

Pennsylvania	#073734	2006 – Current
Delaware	#14791	2007 – Current
Maryland	#0034334	2007 – Current
New Jersey	#24GE04718200	2007 – Current
New York	#093092	2013 – Current

CERTIFICATIONS

Federal Aviation Administration (FAA)

Remote Pilot (sUAS) #4496729	2021 – Current
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HAAG Certified Inspector (HCI) #201304119

Residential Roofs (HCI-R)	2013 – Current
Wind (HCI-W)	2021 – Current

National Academy of Forensic Engineers (NAFE) #461

Board Certified Diplomate in Forensic Engineering (DFE)	2024 - Current
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National Deck and Railing Association (NADRA)

Certified Deck Inspector	2022 – Current
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DISASTER RESPONSE TRAINING

California Office of Emergency Services (CalOES)

Safety Assessment Program (SAP)	
Evaluator #72115	2012 – Current
Trainer & Coordinator #72115	2022 – Current

Dept. Homeland Security/FEMA US&R

Structures Specialist (StS)	2013 – Current
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International Code Council (ICC)

When Disaster Strikes	2017, 2021
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Missouri State Emergency Management Agency (SEMA)

Structural Assessment & Visual Evaluation Coalition (SAVE)	
On-site Leader	2023

PAUL ZAMROWSKI ASSOCIATES, INC.

PROFESSIONAL ASSOCIATIONS

ASCE – American Society of Civil Engineers

ICC - International Code Council

PENNBOC - Pennsylvania Building Officials Conference

NADRA – North American Deck and Railing Association

NCSEA – National Council of Structural Engineers Associations

SEAoP – Structural Engineers Association of Pennsylvania

DVASE – Delaware Valley Assoc. of Structural Engineers

NSPE – National Society of Professional Engineers

PSPE – Pennsylvania Society of Professional Engineers

SEMINARS/PRESENTATIONS

Superstorm Sandy Workshop: Analysis of Large Loss (co-presenter)

2013 PLRB/LIRB Large Loss Conference: Nov 19-20, 2013 – Jacksonville, FL

Champlain Towers South Collapse: USAR Response (co-presenter)

2022 EMS Conference: Dec 3, 2022 – Malvern, PA

VOLUNTEER EXPERIENCE

WCFD Fame Fire Company (#3) / Chester County Rescue Task Force (CCRTF)

- Structures Specialist supporting fire fighters and rescue workers during structural collapse and trench incidents

SEAoP - Structural Engineers Association of Pennsylvania

- Treasurer (2013-Current)
- Structural Engineering Emergency Response (SEER) Committee - Chair

NCSEA – National Council of Structural Engineers Associations

- Structural Engineering Emergency Response (SEER) Committee - Voting Member

East Whiteland Township, PA

- UCC Joint Board of Appeals of Easttown Twp, East Whiteland Twp and Malvern Borough, Representative (2022-Current)

West Bradford Township, PA

- Planning Commission, Member (2023-Current)

West Whiteland Township, PA

- West Chester Area Council of Governments UCC Board of Appeals, Representative (2015-2023)