

Jack Cash | Structural Engineer, PE, LEED AP

4515 Daly Drive, Ste. M, Chantilly, VA 20151

703-802-9771

jack_cash@efiglobal.com

Professional Summary:

Mr. Cash has working knowledge of current building codes (IBC, ASCE 7, NDS, etc.) and standards related to experience above. His expertise includes work experience with Insurers, Building Owners, Developers, Architects, General Contractors, Facility Managers, Mechanical/Electrical Engineers, Fire Investigators, Federal/State/Local Authorities, Permitting Officials, Construction Managers and Building Inspectors.

Mr. Cash has over 6 years' experience in engineering design and consulting in the following areas of expertise:

- Building Structural Design (Steel, Wood, Concrete, Masonry)
 - Multistory Steel Structures
 - Multistory Wood Structures
 - Structural Renovation/Restoration
- Structural Consulting
 - Forensic Engineering
 - Assessment, Evaluation and Repair Plans
 - Industrial Engineering
 - Institutional Engineering
 - University Projects

Licenses and Certifications:

Professional Engineer, MD, #51140

Professional Engineer, VA, #056374

Professional Engineer, DC, #PE909192

Professional Engineer, PA, # PE087294

Professional Engineer, NC, #045965

Professional Engineer, FL, #84436

Professional Engineer, TX, #129306

Professional Engineer, WV, #22730

Professional Engineer, DE, #22178

Professional Engineer, NY, #101787

Advanced Roofing Certification from Vale Training

National Council of Examiners for Engineering and Surveying (NCEES), #13-416-72

USBGC Leadership in Energy and Environmental Design (LEED) Accredited Professional (AP)

Project Experience:

Building Structural Design Snapshot

Harrisonburg, VA City Hall

Complete structural design of a new three story city hall building. The building included various structural materials (steel moment frames, concrete, masonry, precast concrete, steel framing). Involved full structural design of the building including calculations, design, drawings and CA services.

Lofts at Meadowcreek Apartments, Charlottesville, VA

Full structural design of 4 story apartment building on top of an elevated post-tensioned concrete slab. Wood structure that was installed on top of an elevated post-tensioned slab over a vehicle garage.

Big Sky Apartments Phase II, Staunton, VA

Multistory wood apartment building. Designed all foundations, wood structure and lateral systems for the building.

Ice House Renovation Phase 1-3, Harrisonburg, VA

Abandoned ice storage facility renovated to office space, apartments and retail spaces. Performed complete design of all new structure and verification of the existing structure to be in compliance with current building codes.

The Lofts at Jubal Square Apartments, Winchester, VA

Multistory wood apartment building. Designed all foundations, wood structure and lateral systems for the building.

The Highlands II Apartments, Blacksburg, VA

Multistory wood apartment building. Designed all foundations, wood structure and lateral systems for the building.

The Ecuador Embassy, Washington, DC

Historic structure in downtown DC that suffered a fire. Provided all necessary drawings and calculations to restore the building after the fire.

Structural Consulting Snapshot

Forensic Engineering Assessment and Evaluation

Inspecting structures post disaster for structural deficiencies in need of repair or replacement. Designing repairs for such deficiencies in accordance with current building codes.

Industrial Engineering

Design of new steel catwalk or platforms in poultry, food processing and material processing plants.

Institutional Engineering

Various projects on university campuses across Virginia. Complete renovation of existing buildings, partial renovations, shoring designs, and miscellaneous small projects.



Professional Experience:

EFI Global, Inc., Chantilly, VA, Structural Forensic Engineer, 2017 – Present
Engineering Solutions, PLC, Harrisonburg, VA, Structural Engineer, 2012 – 2017

Education:

Bachelor of Science, Engineering, James Madison University, Harrisonburg, VA, 2012

Affiliations:

Structural Engineers Association of Virginia (SEAVa)