

TARA L. PASE, M.S.C.E., P.E.

EDUCATION

Currently enrolled in Doctoral program at the University of Maryland, College Park Civil Engineering Department

M.S., Civil Engineering, New Mexico State University

B.S., Civil Engineering, New Mexico State University

REGISTRATIONS

Registered Professional Engineer
State of New York, License No. 087752
Maryland, License No. 42640
Virginia, License No. 051210
New Jersey, License No. 24GE05239300

AREAS OF EXPERTISE

- Civil/Structural Engineering
- Construction Defects
- Failure Analysis
- Strength of Materials
- Concrete/Steel/Wood Design
- Concrete/Steel/Wood Analysis
- Seismic Design and Analysis
- Wind Design and Analysis
- Foundations and Retaining Structures
- Repair Designs
- Stormwater Management
- Component/Connection Design and Analysis
- Construction Cost Estimates
- Building Envelope (Moisture Barriers)

CAREER HISTORY

FORCON International (Current) - Consultant
Civil/Structural Forensic Engineer. Forensic analysis, site inspection, and repair designs and solutions for damaged residential and commercial structures.

Bramel Engineering (Current) - Principal

Practicing Structural Engineer. Performs total design and fabrication drawings for midrise residential and/or commercial structures, total building design and analysis, component design and analysis, and construction-site problem solving, forensic analysis, site inspections, calculations, and repair design solutions.

University of the District of Columbia (Current) - Adjunct Professor

Adjunct professor for the College of Architecture, Urban Sustainability and Environmental Sciences. Instructs bachelor's and master's students in the Theory of Structures, and Statics and Structural Design as part of the core curriculum towards a Bachelor's in Architecture, and a Master's in Architecture.

Vescom Structures, Inc. - Design Structural Engineer

Designed open-web composite joists and heavy girders for mid-rise construction in urban and suburban areas. Work included design layout of joist system, detailed design of all joist/girder components, connection design and detail, and global design and analysis of floor/roof diaphragms. Also performed design work for sister company, Signature Metals Inc.; work included total design of light-gauge structural panelized wall systems, proprietary seismic shearwalls, and all related components and connections.

PJR Construction - Project Engineer

Work included inspections of apartment and condos for a property management firm along the east coast. Designed repairs for structural deficiencies and designed renovations for ADA accessibility and upgrade to current codes. Project management duties were also required.

Engineered Framing Systems - Structural Engineer

Designed light-gauge and structural steel panelized wall systems for midrise buildings.