RYAN W. BAILEY, P.E., S.E.
Engineering Design & Testing Corporation

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EDT
Forensic Engineering & Consulting

ENGINEER: CIVIL/STRUCTURAL

EDUCATION

2016 Master of Engineering, Structural Engineering
Lehigh University, Bethlehem, Pennsylvania

2015 Bachelor of Science, Civil Engineering
University of Vermont, Burlington, Vermont

EXPERIENCE

May 2026 to Present
Engineering Design & Testing Corporation
Philadelphia, Pennsylvania

Consulting Engineer
Investigate and provide expert opinions on matters involving civil and structural systems including residential, commercial, and industrial buildings and other structures. Conduct on-site examinations and gather data relevant to the incident. Research weather, codes and standards as necessary. Analyze available data and promptly present findings in a thorough report. Services include determining the cause of an incident, establishing the scope of damage, and/or determining the structure's repairability. Extensive experience analyzing and designing code-compliant structures of wood, steel, cast-in-place concrete, precast concrete, cold-formed steel and masonry.

January 2024 to April 2026
Dutchland, LLC
Gap, Pennsylvania

Senior Project Engineer
See Project Engineer responsibilities below. Collaborated with the Engineering Manager to continuously improve the systems/processes of the Engineering Department

Project Engineer
My responsibilities included leading the design and documentation of precast post-tensioned concrete tanks for the water and wastewater industry according to ACI 350 or AWWA D115 construction codes. Collaborated with general contractors, civil engineers and process engineers. Delegated design work to design engineers and provided technical guidance. Signed and sealed drawings and calculations for submission to the general contractor.

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Engineering services in New York provided through the associated firm, Engineering Consultants, D.P.C.
Engineering services in North Carolina provided through the associated firm, EDT Engineers, P.C.

April 2022 to January 2024 **SK&A Structural Engineering**
Washington, District of Columbia

Assistant Project Manager
My responsibilities included leading the design, documentation, and construction administration of high-rise concrete and mid-rise wood buildings. Conducted reviews of existing steel warehouses for code compliance and design accuracy. Designed monumental steel stairs for tenant fit out. Designed all structural components and systems in accordance with applicable building codes. Collaborated with architects, MEP engineers and owners to guide projects. Delegated work to project engineers and provided technical guidance. Led construction administration services including conducting site visits, reviewing shop drawings, and responding to requests for information.

May 2018 to April 2022 **Hardy Structural Engineers**
Colchester, Vermont

Project Engineer
My responsibilities included completing the design, documentation, and construction administration of primarily mid-rise wood and steel structures. Projects varied widely and included both new construction and restoration of existing structures. A common project was a 4-story wood apartment building supported on a steel podium. Designed all structural components and systems in accordance with applicable building codes. Developed structural plans, details, and sections for construction documents. Collaborated with architects, owners and contractors as required to guide projects in the right direction and to provide an efficient overall design. Managed projects from design through construction. Performed construction administration services including conducting site visits, reviewing shop drawings, and responding to requests for information. Managed time effectively while working on several projects simultaneously.

June 2016 to April 2018 **SK&A Structural Engineers**
Potomac, Maryland

Structural Engineer I
Assisted in the design, documentation, and construction administration of mid-rise wood and mid to large concrete buildings. Projects typically consisted of post-tensioned and conventional concrete construction as well as 4 and 5-story wood podium buildings. Designed all structural components and systems in accordance with applicable building codes. Developed structural plans, details, and sections for construction documents. Interacted with architects and contractors to help overcome challenges during design and construction. Assisted in construction administration services including conducting site visits, reviewing shop drawings, and responding to requests for information.

REGISTRATIONS and CERTIFICATIONS

Registered Professional Engineer in Colorado PE.0065181
Registered Professional Engineer in Connecticut PEN.0040044
Registered Professional Engineer in Delaware 30584
Registered Professional Engineer in District of Columbia PES40000389
Registered Professional Engineer in Florida 98520
Registered Professional Engineer in Georgia PE051785
Registered Professional Engineer in Maine PE18793
Registered Professional Engineer in Maryland 62563
Registered Professional Engineer in Massachusetts 60796
Registered Professional Engineer in Minnesota 63659
Registered Professional Engineer in New Jersey 24GE06072500
Registered Professional Engineer in New York 109681
Registered Professional Engineer in North Carolina 057942
Registered Professional Engineer in North Dakota PE-41038
Registered Professional Engineer in Ohio PE.90490
Registered Professional Engineer in Pennsylvania PE095436
Registered Professional Engineer in Rhode Island PE.0210491
Registered Professional Engineer in South Carolina 42476
Registered Professional Engineer in Vermont 018.0134843
Registered Professional Engineer in Virginia 0402068208
Registered Professional Engineer in West Virginia 26535

Registered Structural Engineer in Georgia SE001752
Registered Structural Engineer in Illinois 081.009072
Registered Structural Engineer in Nevada 032414
Registered Structural Engineer in Oklahoma PE, SE 35101
Registered Structural Engineer in Utah 13893995-2203

OSHA-10 Certification 21-702160063

PROFESSIONAL MEMBERSHIPS

American Society of Civil Engineers (ASCE)
National Council of Structural Engineers Associations (NCSEA)