

RONALD W. RIDEOUT, PE

PRINCIPAL ENGINEER

EDUCATION

University of Maine, Orono, Maine: BS Civil Engineering with a Structural Concentration, 1992

University of Maine, Orono, Maine, Graduate Studies in Thermal Soil Mechanics, Bridge Engineering, Advanced Strength of Materials, Introduction to Advanced Composite Materials. Dynamics and Thermodynamics, Ongoing

CREDENTIALS

State of Maine Licensed Professional Engineer – License #8691; SEAM, M.ASCE, 1992; training certification in MUBEC; state certification in International Building Code (IBC), International Energy and Conservation Code (IECC), and ASHRAE standards for indoor air quality; certification in Maine Indoor Air Quality – Building Envelope Design; and State of Maine Plumbing Code.

EXPERTISE

Focused concentration in structural engineering, having completed nearly all graduate study needed for a master's degree. Working knowledge to apply building codes, energy codes, ADA, and National Fire Protection Association (NFPA) codes for life safety.

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PROFESSIONAL SUMMARY

- Highly motivated, credentialed professional engineer with nearly 25 years of design experience.
- Maine small business owner with roots in Bangor, Maine.
- Focused study of NFPA documents relating to the storage and handling of high hazard flammable gas and liquids.
- Over 15 years of experience performing design-build projects as the Structural Engineer of Record. Have designed over \$100 Million in buildings.
- Familiar and proficient with the Department of Defense (DOD) criteria for anti-terrorism defense design.

- Participation in preparation of documents for LEED accreditation.
- Former construction company owner with hands-on, practical building and earth work construction experience.
- Computer software expertise with Microsoft Office, MS Project, RISA 2-D, RISA 3-D, EnerCalc, and Ram Steel; proficient with AutoCAD and ADT 2007.
- Expertise in the analysis and design of wood, concrete, and steel building materials.

PROFESSIONAL EXPERIENCE

PRINCIPAL ENGINEER/PROJECT MANAGER

Dirigo Building Science Engineers, LLC Bangor, Maine
Dirigo Architectural Engineering, LLC Bangor and Turner, Maine

2012-
Present

TECHNICAL ASSISTANT/LABORER

R&K Construction, Bangor, Maine

2011

SENIOR STRUCTURAL ENGINEER

SMRT Architecture-Engineering-Planning, Portland, Maine

2007-2010

OWNER, CIVIL/STRUCTURAL ENGINEER/CONTRACTOR

R&D Developers, Bangor, Maine

2006-2010

SENIOR STRUCTURAL ENGINEER-FIRM ASSOCIATE

WBRC Architects and Engineers, Bangor, Maine

2000-2006

STRUCTURAL ENGINEER

Caswell Engineering, P.A., Brunswick, Maine

1999-2000

PROJECT MANAGER/STRUCTURAL ENGINEER

Maine Department of Transportation, Augusta, Maine

1994-1999

ASSISTANT STRUCTURAL ENGINEER

Caswell Engineering, P.A., Brunswick, Maine

1993-1994

RESEARCH ASSISTANT

McNair Scholars Internship, Orono, Maine

1994-1999

PAPERS, SEMINARS AND CONFERENCES

- MUBEC Training Series in IBC and AASHRA standards and codes
- Wrote an article on anti-terrorism blast and progressive collapse design which was published in the National Engineers Week, 2009
- IBC 2003 Seminar-Wind and Seismic provisions using the IBC and ASCE-7 codes
- Kepner-Tregoe – Management skills and project management
- Public Speaking – Effective communications in the administration of civil projects
- FHWA – Retaining Wall Design and Construction

SPECIALIZED REFERENCED STANDARDS AND DOCUMENTS

- NFPA-101, 92a, 92B, 72, 30, 54, 55, 58, 704 Life Safety and Fire Protection with flammable liquids and gases
- Underground storage tank Fact Sheet published by the U. S. Department of Environmental Protection Agency
- LEED for Existing Buildings, Operations and Maintenance Reference Guide published the US Green Building council
- Building Maintenance by Jules Orantz
- The Fundamentals of HVAC system design and maintenance
- Capital Project Procedures-Standards published by the University of Maine system
- Maine State Housing Authority Green Building Standards
- Construction Law in Contractors' Language by McNeill Stokes