

Ronald W. Rideout, P.E.

Work Experience

Mid-South Engineering - Orono, ME

2017 – 2020

- **Project Manager (Structural and Civil Engineering)**

Twenty-eight years as an engineer. Duties include project management and detailed building and industrial engineering. Structural engineering in support sawmills and planer mill upgrades. NFPA Code studies. Life Safety Plans. HVAC system design. Pellet boiler sizing and specifications. Capital cost estimating. Fluent with the use of finite element analysis programs such as Risa 3D and Risa Foundation. Proficient at Revit and AutoCAD. Develop plans, details, specifications and cost estimates. Established design check system for engineering calculations to allow for peer reviews. Resource scheduling between branch offices. Grant application writing. Fire Marshal permitting. Civil/site design. Construction manager. Proficient researcher. Building Information Modeling with Revit. A student of the trade and enjoy every aspect of my career. Mentor and supervisor of intern structural and mechanical engineers and entry an entry level engineer. Structural department manager.

Dirigo Building Science Engineers/Dirigo Architectural Eng. – Bangor, ME

2012-2017

- **Owner/Structural Engineer/Project Manager**

Led and managed structural department staff in designing and detailing commercial building projects. Performed extensive analysis and design of wood, concrete, and steel structures. Finite element analysis of aluminum alloy steel equipment in industrial settings. Worked as a Special Inspector and Owner's representative on \$15M hospital expansion.

R&K Construction and Property Management – Bangor, ME

2011 - 2012

- **Technical Assistant/Laborer**

SMRT, Inc. – Portland, ME

2007 - 2010

- **Senior Structural Engineer**

Responsible for the design of large commercial buildings including athletic facilities, military installations, and healthcare projects. Worked with construction budgets up to \$50 million. Provided special inspection services.

WBRC Architects and Engineers – Bangor, ME

2000 – 2006

- **Senior Structural Engineer/Firm Associate**

Led structural department in management and design of large commercial projects. Owner's representative. Construction Administrator.

Caswell Engineering, P. A. – Brunswick, ME

1999 – 2000

- **Structural Engineer/Civil Engineer**

Provided structural analysis and details of bridges and buildings. Administered contract drawings in the field and performed engineer's estimates.

Maine Department of Transportation – Augusta, ME

1994 – 1999

- **Project Manager/Structural Engineer/Civil Engineer**

Managed multidisciplinary team of engineers, planners, and environmentalists Led team in public hearings, public relations, and media relations. Provided structural design of bridge superstructures/substructures. Provided bridge ratings as required to determine strength of deteriorated structures. Engineer's estimates. Inspections.

Education

Bachelor of Science Civil Engineering w/Structural Concentration (1992)

University of Maine, Orono, ME

Professional

Registration/Certifications

Professional Engineer (P.E.) by NCEES in:

- Maine – 8691
- Georgia -
- Arkansas -
- Louisiana –
- Massachusetts -
- New Hampshire-
- Mississippi-
- Alabama-
- Iowa- pending exam results
- Training certification in Maine Uniform Building and Energy Code (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
- Certified State of Maine Plumbing Code Inspector

Memberships

- Structural Engineers Association of Maine (SEAM), M. ASCE, 1992