



Ronald W. Rideout, P.E.

Principal Engineer

Ron Rideout has been providing quality civil engineering services for over 28 years. His passion has been the responsibility of a structural engineer to assure the safety of building structures. He has been Engineer of Record for essential facilities to include hospitals, emergency response training facilities and police departments. He has been an integral part of \$50 million dollar design-build projects and has designed up to seven story building so far. Ron's experiences are diverse. His interests in the building sciences has led him to work on projects with the responsibility of interpreting and complying with AASHRAE, NFPA, IBC, DEP and EPA standards. He has interacted and worked with members of the Fire Marshal's Office and Maine Department of Environmental Protection. Through Building Information Modeling, Smart building technology, coupled with air quality assessment and building systems controls, Ron will ensure his clients are a part of a state-of-the-art building structure with the mechanics to best provide human safety and comfort.

RRIDEOUT@DIRIGOBSE.COM
207.852.2184

Professional History

2020 – Present

Dirigo Building Science Engineers, LLC
Principle Engineer

2017 – 2020

Mid-South Engineering
Project Manager (Structural and Civil Engineering)

2012 – 2017

Dirigo Building Science Engineers/Dirigo Architectural Engineering
Owner/Structural Engineer/Project Manager

2011 – 2012

R & K Construction and Property Management
Technical Assistant/Laborer

2007 – 2010

SMRT, Inc.
Senior Structural Engineer

2000 – 2006

WBRC Architects and Engineers
Senior Structural Engineer/Firm Associate



Education

Bachelor of Science Civil Engineering with Structural Concentration (1992)
University of Maine, Orono, ME

Professional Registration/Certifications

Professional Engineer by NCEES in:

- Maine – 8691
- New Hampshire
- Massachusetts
- Colorado
- Georgia
- Arkansas
- Louisiana
- 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

Certified State of Maine Plumbing Code Inspector

Memberships

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



"Making Your Vision a Reality"



Professional Experience

Principle Engineer | Dirigo Building Science Engineers | Veazie, Maine

Resumed building science services in February. Fine-tuned skills at BIM Modeling services using Revit. Providing NFPA Code studies and MUBEC provisions to school renovation project and have initiated providing building assessment services for nursing homes. Building upon past architectural engineering experiences and utilizing the equipment necessary for building envelope assessments including measuring tools, instrumentation and computer programs for hygrothermal analysis and MEP systems analysis. Facilities management assistance services available.

Project Manager (Structural and Civil Engineering) | Mid-South Engineering | Orono, Maine

Duties include project management and detailed building and industrial engineering. 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. Building Information Modeling with Revit. Structural department manager.

Owner/Structural Engineer/Project Manager | Dirigo Building Science Engineers/Dirigo Architectural Engineering | Bangor, Maine

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.

Senior Structural Engineer | SMRT, Inc. | Portland, Maine

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.

Senior Structural Engineer/Firm Associate | WBRC Architects and Engineers | Bangor, Maine

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

Structural Engineer/Civil Engineer | Caswell Engineering, PA | Brunswick, Maine

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

Project Manager/Structural Engineer/Civil Engineer | Maine Department of Transportation | Augusta, Maine

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.

Owner/Contractor | Bangor, Maine

Site development and foundation contractor. Building renovations. Constructed decks, garages, and storage building. Developed 2.3-acre site with 28x32 gambrel barn.

Contractor Sales Representative/Yard Foremen/Estimator | Wickes Lumber Company | Bangor, Maine

Stocked shelves. Promoted to sales. Exhibited leadership skills that led to being given the role of overseeing yardman on nights and weekends while in college.

