

FRONT RANGE STRUCTURAL ENGINEERING LLC

DAVID F. MITCHELL, P.E.

Owner/Principal

David and his family recently moved from Vermont to the Denver/Boulder area. With a BS in Civil Engineering from Northwestern University, David has 28 years of experience in structural engineering including 20 years in the Burlington, Vermont area. This experience includes project management, as well as structural design and analysis of institutional, commercial, residential and industrial buildings for architectural and industrial clients. David has also worked directly for contractors and has acted as an expert witness several times.



David has been using his experience to provide structural engineering consulting to architects, contractors and other engineering firms in the Boulder/Denver area and beyond in the Front Range Urban Corridor.

PROFESSIONAL REGISTRATIONS

Colorado, Vermont, New Hampshire, Massachusetts, New York, Maine

PROFESSIONAL EXPERIENCE

Owner/Principal, Front Range Structural Engineering, LLC

November 2010 – present

Senior Engineer, Engineering Ventures, PC

2001 – December 2010

Senior Project Engineer, McFarland – Johnson Inc., (formerly Lawes Consulting Engineers)

1992 – 2001

Structural Engineer, Durbrow Associates

1990 – 1992

Director, Structural Engineering, Reinhardt Associates

1990 – 1991

Project Engineer, Samsel Herrick Saylor, P.C.

1987 – 1989

Project Engineer, Technistruktures

1983 – 1987

EDUCATION

Northwestern University, BS Civil Engineering

University of Buenos Aires, Argentina, Civil Engineering Program

TECHNICAL SOCIETIES

American Society of Civil Engineers (ASCE) – Vermont Section

Past President, Treasurer and Webmaster

Structural Engineers Association of Vermont-

Past Vice President, Founding Member

FEATURED PROJECT WORK

Putney School Field House, Putney VT – 15,000 sf, multi-purpose field house, at this independent, boarding, day school for grades 9-12. The facility is a net zero building, which will produce more energy than it consumes. This project was designed for LEED Platinum Certification. David was the Senior Project Manager and Engineer of Record on this project, in charge of the structural design and coordination with the architectural design, including the details related to the thermal envelope.



Vermont Law School, Debevoise Hall, South Royalton, VT - Renovated and expanded campus building, that blends modern energy saving technology with historic restoration. This project was awarded LEED Silver Certification. David was the Senior Project Manager and Engineer of Record on this project, in charge of the structural design including the alterations and additions to the existing structure.

Seventh Generation, Burlington, VT – Structural engineering services were provided for this 19,000 sf, headquarters for a natural product marketer. Design included a new floor opening, new stair framing and railings, exterior base for a generator, and other structural design. This project was awarded LEED Gold. David was the Senior Project Manager and Engineer of Record on this project, in charge of the structural design and the modifications to the existing structure to accommodate the architectural design concept.



Hunger Mountain Food COOP, Montpelier, VT – Structural services were provided for a series of additions to this existing food COOP building. Included were; a series of walk-in coolers, addition to a café, additional office space, extension of the mezzanine, and new loading docks. David was the Senior Project Manager and Engineer of Record on this project, in overall charge of the structural design.

Lake & College Building, Burlington, VT - A unique, \$12M four-story 80,000 sf building which includes mixed uses of restaurants, retail space, offices, public spaces, and underground parking. Civil work included integration of the building and site to a refurbished public park on the upper level and a public waterfront street at the main level. Received LEED Silver Certification, and an ACEC Excellence in Engineering award. David was the Senior Project Manager and Engineer of Record on this project, responsible for all aspects of the structural design.



SELECTED PROJECTS

Stafford Building, University of Vermont, Burlington, VT
Health Science Research Facility, University of Vermont, Burlington, VT
Old Mill Building/Lafayette Hall, University of Vermont, Burlington, VT
Moore Hall, Dartmouth College, Hanover, NH
IDX Student Life Building, Champlain College, Burlington, VT
Judd Hall, Vermont Technical College, Randolph Center, VT
Zeta Psi Fraternity House, Dartmouth College, Hanover, NH
Mt Anthony High School, Bennington, VT
Enosburg Middle/High School, Enosburg, VT
Wind NRG Partners, Hinesburg, VT
Bennington State Office Building, Bennington, VT
Seventh Generation Headquarters, Burlington, VT
Carbone Ford/Hyundai, North Bennington, VT