

PAUL JAMES BENNETT, P.E., CBIE



EDUCATION:

B.S. Mechanical Engineering, University of Nevada, Reno, May 2000
M.S. Civil Engineering (Emphasis in Structures), University of Colorado, Expected Graduation December 2012

REGISTRATION:

Mr. Bennett is a Registered Professional Civil Engineer in the following States:
Colorado, Wyoming, Montana, New Mexico, Oklahoma, Kansas, Utah and Nevada.

EXPERIENCE:

Structural Engineer, Knott Laboratory, LLC, Centennial, Colorado, May 2009 to present; Owner and Founder of Alpine Engineering, LLC, Colorado, June 2006-May 2009; Owner and Founder of Alpine Building and Development, LLC, Colorado, October 2005-April 2009; Project Manager, DMW Civil Engineering, Colorado, March 2004-November 2005; Project Manager, VanHorn Engineering and Surveying, Colorado, November 2002-March 2004; Project Engineer, Tait and Associates, Colorado, October 2001-November 2002; Project Engineer, Dowing Thorpe and James Architects, May 2001-October 2001; Engineer Intern, Lumos and Associates, May 1999-September 2000; Engineer Intern, Grinnell Fire Protection, 1998-1999

ENGINEERING AND CONSTRUCTION EXPERIENCE:

As the owner of a small multi disciplinary engineering and surveying firm Mr. Bennett has a complete understanding of the building and development process from beginning to end. He has thorough knowledge of the design and construction industries, including building codes and standards. His primary focus at Alpine Engineering was architectural and structural design of custom mountain homes many of which had very challenging environmental conditions such as: 140mph wind loads, high snow loads, bedrock, extreme temperatures and groundwater conditions. Mr. Bennett has also performed wide-ranging evaluations of structural and building-envelope components and systems for residential, commercial and industrial facilities. He has performed numerous structural calculations and analyses for various combinations of structural loadings, including pressures induced by soils, fluids and winds as well as dead and live gravity loads. From these analyses, he has provided structural engineering designs, plans and specifications for repairs, improvements and new construction for a wide-range of structures and components

Mr. Bennett's hands on construction experience and experience as a single family home general contractor also give him a very good understanding of how wood framed structures are properly built and how construction errors and defects occur. He has physically worked with excavation, foundation, framing, electrical and finish carpentry crews on numerous jobs, and has substantive experience inspecting and overseeing the construction of his designs in the field. Wood framed structures are a specialty for Mr. Bennett. He has taught classes on Wood Framed Wall Bracing, High Wind Design and the Design of Wood Framed Structures at the annual Colorado Chapter of the International Code Council Educational Institute

In addition to wood framed single family homes Mr. Bennett has experience in the design and engineering of alternative construction methods such as Insulated Concrete Forms (ICF) and Structurally Insulated Panels (SIP). Mr. Bennett has also performed architectural design of commercial buildings (code analysis, energy analysis, fire resistance rated construction, life safety, means of egress, ADA accessibility).

As a Civil Engineer Mr. Bennett has years of experience in both private and public infrastructure projects. This includes the design of grading, drainage, utilities, and roadways. He has worked on single family, multi family, commercial and industrial projects.

Mr. Bennett was awarded Larimer County's Outstanding Professional of the Year Award for 2008. This award is awarded once a year to the Engineer or Architect who displays the most complete understanding of the Building Codes and who prepares the most clear and concise plans.

PROFESSIONAL AFFILIATIONS:

 Mr. Bennett is a fellow or member of the following technical and professional societies:

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| ASCE | - | The American Society of Civil Engineers | ACI | - | American Concrete Institute |
| NSPE | - | National Society of Professional Engineers | NABIE | - | National Academy of Building Inspection Engineers |
| SEAC | - | Structural Engineers Association of Colorado | TMS | - | The Masonry Society |
| PCI | - | Precast Prestressed Concrete Institute | ICC | - | International Code Council, Colorado Chapter Code Change & Disaster Mitigation Committees |
| NCEES | - | Record Holder National Council of Examiners for Engineers & Surveyors | | | |

Mr. Bennett is a Certified Building Inspection Engineer (CBIE) by exam. As a CBIE, Mr. Bennett inspects structures for plumbing and mechanical failures, building envelope failures, and life safety issues.



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