



Resume

MARK M. MARTIN, P.E.



Mr. Martin is a registered Professional Engineer with 17 years of engineering experience in the design and evaluation of buildings and engineered systems, residential and commercial energy auditing, civil site design and structural engineering. This experience includes structural designs for new and existing infrastructure, design of systems for gravity and lateral loading for new structures, infrastructure evaluation to accommodate changes in use and/or additions, seismic restraint design for new and existing mechanical, HVAC, electrical equipment, piping, conduits, and ductwork, construction administration, project management and special inspections for seismic resisting systems. Mr. Martin is also proficient in the design and analysis of structural steel, reinforced concrete, reinforced masonry, and timber structures. Mr. Martin practices forensic engineering related to structural and materials failure analysis, and product liability. He is also developing expertise in fire science and building science.

DEGREES

Bachelor of Science, Civil Engineering, University of Idaho, 1994

Masters of Science in Engineering, Civil Engineering, University of Idaho, 2003

PROFESSIONAL EXPERIENCE

Insight-Forensics, LLC, Fairbanks, AK (2012 to Present). Senior Engineer. Full-service forensic engineering and science services to the law profession, and insurance and private industries. Failure analysis: structural (residential and light commercial and industrial) and engineered systems. Cause and origin investigations: building science, building materials, fire science.

17 years **Engineering Consulting** for design and environmental services firm in GA and AK. Eleven years as small business owner, and 16 years cold regions engineering experience. Structural engineering design services for light commercial, industrial, residential, municipal, hospital, and public service (library, fire station, recreation) buildings; ASHRAE Level II energy audits; project management for civil design, solid waste landfill and transfer facility, water distribution, and wastewater and storm water collection system projects; and performed soil analyses, dynamic cone penetrometer testing, concrete sampling, and subsurface soil investigations for new construction projects.

4 years **US Army Engineer School**, Ft. Leonard Wood, MO. Engineer Officer Basic Course (1996), and Platoon Leader for United States Army Reserve (1997-2001). Platoon leader, and manager of US Army construction projects in AK, HI, and South Korea; training in principles of combat engineering (construction and demolition of bridges, fortifications, and obstacles); and development of training program and responsible lead for 20-30 soldier vertical construction platoon.

PROFESSIONAL REGISTRATION and ORGANIZATIONS

Registered Professional Engineer— Alaska (#10055)

Registered Professional Engineer— Guam (#1490)

American Institute of Steel Construction

Association of Energy Engineers

COMMUNITY SERVICE and INTERESTS

Junior High Youth Group Leader at St. Raphael's Catholic Church

Corporate Sponsor of Fairbanks Counseling & Adoption

Foster Parent for State of Alaska for 3 years

USA Swimming Official

Interests include Carpentry, Reading, Golf, Small Scale Farming & Family