Abe Haen / MSc / SE

lead consultant (truckee / tahoe group)
project principal
engineer of record
project management
systems design / analysis / detailing
revit
software innovation / evaluation / coordination

Education

Master of Science: Civil Engineering, California Polytechnic State University, San Luis Obispo – 2005

Bachelor of Science: Civil Engineering, California Polytechnic State University, San Luis Obispo – 2005

Licenses

Structural Engineer: CA & NV

Civil Engineer: CA

Affiliations

Tahoe-Truckee Engineers Association, Structural Engineers Association of Northern California (SEAONC)
American Institute of Steel Construction (AISC)

Overview

Abe's structural engineering experience includes the design and project management of single/multi-family residential, commercial, retail, multi-use, and education projects. His skills span a broad range, from efficient detailing of wood framed structures to performance based structural design and non-linear time history analysis of existing structures.

His professional background, including a decade of work in the San Francisco offices of Holmes-Culley and KPFF Consulting Engineers, includes design and management of diverse projects such as:

- Utilization of Fiber Reinforced Polymers (FPR) to retrofit an unreinforced masonry (URM) private residence in San Francisco, CA.
- High end single family homes in San Francisco, Palo Alto, Sonoma and Tahoe.
- Base isolation design of a single family residence in order to reduce the non-structural damage of the home during a large scale seismic event (which was also part of his Master's Thesis).
- Multiple large scale residential developments (120+ units).
- The renovation of the third largest mall in California.
- A twelve-story steel framed office building in Oakland, CA.
- Creation of bridging documents for the East County Hall of Justice Courthouse.
- Post-tensioned concrete structures, including a four-story assisted living building, as well as several podium structures for wood framed construction above.
- Non-linear time history seismic evaluation and retrofit design of an existing eleven-story historic landmark building located in downtown San Francisco, CA.
- Acting as an expert witness during the mediation phase of a lawsuit over the construction of a single family residence.