

Billy Janhunen / MSc / SE / LEED AP



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: Earthquake Engineering, Institute for Advanced Study (IUSS), ROSE School, Pavia, Italy – 2015

Bachelor of Science: Architectural Engineering, California Polytechnic State University, San Luis Obispo – 2007

Licenses

Structural Engineer: CA

Civil Engineer: CA

Affiliations

Tahoe-Truckee Engineers Association

Structural Engineers Association of Northern California (SEAONC)

Overview

Billy has worked as a structural engineer in California for over 8 years sharpening his skills in both structural design and project management. He's worked on everything from high-end residences to high-rise retrofits in San Francisco. His experience includes prefabricated construction, multi-use residential, educational facilities, medical office buildings, laboratories, civic and public buildings, commercial / mixed-use buildings, single family residences, and sustainable design. He's worked on a number of award winning structures over his career and continues to utilize his attention to detail in all of his designs.

During Billy's time in the Bay Area he worked for Tipping Structural Engineers where he worked on and managed projects such as:

- **680 Folsom:** Seismic retrofit of a 566,000 sf 1960's steel moment frame building utilizing performance based design and a single concrete core wall resting on a friction pendulum bearing to solve the weak story issues with the original structure. NCSEA award of excellence.
- **740 Heinz Avenue:** A 56,000 sf laboratory building and the first BRBMast Frame ever constructed. The BRBMast uses BRBs (Buckling Restrained Braces) in an innovative and more effective manner by placing the BRBs in series with a stiff elastic wide flange mast frame.
- **SJSU Student Health and Counseling Facility:** 52,000 sf ConXtech steel moment frame building for San Jose State University.
- **Moscone Convention Center Remodel:** Design of a new underground concrete post-tensioned bridge spanning Howard Street in downtown San Francisco.
- Multiple high-end single family residences in San Francisco, Napa, Sonoma, Hawaii, and Tahoe.
- Vertically post-tensioned concrete structures.
- Nonlinear time history analysis for multiple projects including seismic evaluations, retrofits, and new construction.

Billy prides himself on working with the entire design team to find the most cost effective and efficient design solutions for all his projects. He enjoys working with a collaborative team and tries to implement green design principles whenever possible.

