

FIRM PROFILE / 2017

Gabbart & Woods Structural Engineers is a team of lead professionals who have partnered around the principles of service, creativity, and collaboration. Gabbart and Woods was founded in 1995 and since that time has been providing structural engineering consulting services to Northern Nevada, Truckee, the Tahoe Basin, Mammoth Lakes and the Eastern Sierra, the Sierra Foothills of California, the San Francisco Bay Area, the Los Angeles area, and beyond. We have three studio locations, located in Reno, Tahoe and Truckee with a total design team size of five structural engineers, three civil engineers, and three technical support personnel with credentials of their own including BS/Arch and PhD.

Our practice is noted by its broad range as well as its collaborative spirit. Our collective experience ranges from highly detailed low rise architecture to twenty story buildings and bridges. It encompasses sports arenas, schools, churches, civic art installations, mixed-use developments, hospitals, post-tensioned podium structures, commercial offices, resort lodges, large industrial complexes and notable residences. We draw upon the nature and applications of steel, concrete, timber, masonry, glass and aluminum, as well as cross-laminated timber and other innovative materials and composites.

Seismic analysis, design and performance are central to our practice. Our team members have worked in post-graduate research and have authored original publications in the fields of earthquake dynamics and state of the art seismic performance at the University of California Davis, University of Colorado Boulder, Cal Poly San Luis Obispo, the Institute for Advanced Study (IUSS) ROSE School in Pavia, Italy, and the Applied Technology Council in Redwood City. Our team design experience for constructed projects includes non-linear time history analysis and performance based design, and it spans a number of building types, including ductile concrete moment frames, special steel moment frames, buckling restrained braces, vertical post-tensioned concrete shearwalls, and mode shaping / tuned mass dampening systems, such as a concrete core wall bearing on a friction pendulum slider.

Most importantly, regardless of the scope and specifics, in each of our projects we strive to help bring the architectural vision to reality, with efficiency, economy, simplicity, and sensitivity.

