

GABBART AND WOODS STUDIO

ROB FINE / SE



Education

Bachelor of Science: Landscape Architecture, California Polytechnic University, San Luis Obispo - 1990

Bachelor of Science: Civil Engineering, University of Nevada, Reno - 2004

Licenses

Structural Engineer: NV & CA

Professional Engineer: OR

NCEES Record Holder

Affiliations

American Institute of Steel Construction (AISC), American Society of Civil Engineers (ASCE), International Code Council (ICC).

Overview

Rob has over 30 years in the construction industry with professions in carpentry, roofing and landscape construction. As a former Nevada licensed contractor, Rob knows the difficulties in managing a construction company and is sensitive to issues of constructability and profitability. In addition to his practical hands-on experience in construction, Rob's analysis skills have aided in the successful completion of some of the most complex and creative projects our studio members have undertaken. A representative sample of these projects includes:

- **235 Ralston:** Three story wood frame construction over steel-frame podium slab. A buckling-restrained brace system is utilized for stiffness requirements, and to remedy the high demands of post-yield forces that are typical with other conventional braced frames.
- **LAX Bell Tower:** A three-dimensional structural framework for a 30 foot tall by 30 foot diameter artwork installation suspended from the International Terminal roof structure at LAX International Airport. All structural components are of 6061 aluminum and required special attention at weld-affected areas.
- **Eureka High School Gymnasium:** A metal building structure with a suspended running track on three sides. A three-dimensional time-step vibration analysis was implemented to capture the dynamic performance of the running track in the overall design.
- **Owens Detached Accessory Dwelling Unit:** A two-story zero-net carbon, concrete structure with basement and living roofs. Walls are of insulated concrete sandwich panels and require special structural thermal break detailing to maintain continuity throughout the thermal envelope. An assortment of unconventional structural materials such as pultruded fiber-reinforced polymer beams and high-strength polyurethane blocks are used where thermal bridging is critical.

