



Lighthouse Field Restroom and Maintenance Facility Santa Cruz, California

Civil and Structural Engineering



Client References:

Principal Architect
Carey and Co., Inc.
460 Bush Street
San Francisco, CA 94108
(415) 773-0773

Steve Hammack
S.C. Dept. of Parks and Recreation
323 Church Street
Santa Cruz, CA 95060
(831) 420-5270

Budget: \$1 million

Mesiti-Miller Engineering provided civil and structural engineering design for the 1,470 square foot concrete masonry and wood framed public restroom and maintenance facility. The heavy-use facility is located on famed West Cliff Drive in Lighthouse Field State Park, adjacent to the scenic Monterey Bay coastline and the historic lighthouse and surf break at Steamer's Lane.

The all new multipurpose building replaced the existing outdated restrooms on site. The new building was designed to be aesthetically pleasing while staying sensitive to Lighthouse Field's native plant environment and respectful of the historical significance its location. The simple hip roof framing with central cupola was inspired by local historical barns and the color palette was designed to blend into and reflect its natural surroundings. Thoughtfully chosen building materials include masonry block walls for durability, glulam beams for their strength and appearance; and heavy Douglas fir roof rafters to accentuate the permanence of the structure. MME's design work included the foundations, masonry bearing walls, wood roof framing and exposed custom wood-to-wood connections.

During the design process MME was required to solve issues with sanitary sewer service. We proposed a solution that precluded the need for a costly sanitary sewer lift station as well as greatly increasing the longevity of the facility. Subsequently, MME civil engineers were further engaged to produce a utility plan and to conduct peer review of the site plan and details.