



The Sentinel Building Santa Cruz, California

Structural Engineering



Client Reference:

Joe Appenrodt
Appenrodt Commercial Properties
4375 Capitola Road
Capitola, CA 95010
(831) 234-8554

Budget: \$5 million

Photovoltaic Size: 51 kW



Mesiti-Miller Engineering was responsible for the structural engineering design of this adaptive re-use of a 45,000 square-foot 40-year-old newspaper plant into a high-tech mixed-use building. Located on a prominent corner in downtown Santa Cruz, the building provides modern, desirable, “green” retail and office space. The project is registered for a LEED Gold rating from USGBC.

MME’s design incorporated as much of the original building structure as possible in the upgraded gravity and lateral systems. The floors were stiffened and supplemental confinement was added to the non-ductile concrete columns. This approach created an efficient, cost effective design by utilizing the existing materials to their full potential and allowed new window and roof openings to provide a light-drenched environment for the new occupants.

MME worked closely with Architects Thacher and Thompson to seamlessly blend the structural portions of the project with the architect’s vision and building program. The renovation minimized environmental impacts by including recycled interior finishes, rain water catchments, solar panels and electric vehicle charging stations.

