

El Camino Hospital Replacement

Mountain View, California

Owner

El Camino Hospital District

Architect

KMD Architects

Contractor

Rudolph and Sletten

Completion Date

2009

Construction Cost

\$480 million

Total Area

450,000 sf

Number of Stories

5



photos courtesy Michael O'Callahan Photos

For more than a decade, Thornton Tomasetti has provided structural engineering services for the 41-acre El Camino campus in the heart of the Silicon Valley. We helped the hospital assess the risk of damage to its existing 40-year-old facility in the event of a major earthquake.

The decision was made to replace and be one of the first hospitals in California to achieve California Senate Bill 1953 Compliance, with each building structure and its contents designed for some of the most rigorous seismic requirements in the world. The new 450,000-square-foot patient tower is a five-story structural steel frame with 241 beds which took 37 months to construct (on time and within budget). It includes 10 state-of-the-art surgical suites (including a DaVinci S-HD robotic system), a 30-bed pediatric unit for Lucile Packard Children's Hospital, a genomic medical institute, a state-of-the-art imaging department with digital X-Ray, MRI, CT, PET/CT, and interventional radiology room, as well as 16 specialized robots to deliver medication.

Thornton Tomasetti also expanded the existing central plant by 6,000 square feet and replaced virtually every piece of equipment housed within it. We designed two medical office buildings, Willow and Melchor Pavilions, totaling 121,000 square feet, as well as a 7,000-square-foot outpatient cancer therapy building housing linear accelerators and CyberKnife technology. We also developed the design of a 120,000-square-foot mixed specialty building to house physician offices and outpatient clinics and a 600-car parking structure.