

Mercy General Hospital Alex G. Spanos Heart & Vascular Center

Sacramento, California

Owner

Catholic Healthcare West

Architect

HDR

General Contractor

DPR Construction

Completion Date

2012

Construction Cost

\$85 million

Total Area

200,000 sf

Number of Stories

5



Thornton Tomasetti is providing structural design services for a new four-story heart center tower plus basement. The 121,000-square-foot structure will house 91 beds with a central plant located in a basement. Scope of work includes SPC-2 upgrade of the existing South Wing, a four-story, 110,000-square-foot concrete punched shear wall building built in the 1920s; a new surface parking lot; and remodeling of the existing North Wing, medical office building, and other areas of the hospital.

The new heart center upgrades the South Wing and replaces the existing East Wing, which were rated as SPC-1 category under SB1953. The seismic resisting system of the heart center employs state-of-the-art buckling-restrained braced frames supported on concrete augured cast-in-place pile foundations.

The new building will house cardiac surgery and cardiac catheterization center, cardiopulmonary conditioning center, and chapel and healing garden.