

# Childrens Hospital Los Angeles Patient Tower Los Angeles, CA

**Client:** Childrens Hospital Los Angeles  
Los Angeles, California

**Scope:** 278-Bed New Patient Tower  
425,000 sq. ft.

This new 278-bed patient tower of 425,000 sq. ft. was designed to meet the seismic standards required by California State Senate Bill 1953 (SB1953). The hospital will provide acute care pediatric facilities, diagnostics and ancillary services, as well as a Level I emergency department / trauma center. The majority of the structure is a 7-story hospital with an emergency heliport located on top of the tower.

Remedial work to adjacent facilities was also included. A central plant expansion provides an additional 3,000 tons of cooling capacity for a total of 7,250 tons and 8 megawatts of back-up power. Back up fuel will provide uninterrupted utilities to the campus in the event of a power outage.

A 100% outside air HVAC system will provide improved indoor air quality through the use of HEPA and charcoal filtration. 100% Outside Air provides maximum flexibility in the event of future code changes requiring higher outside air quantities. The manifold air system provides N+1 redundancy in the event of equipment failure.

