

## Presbyterian Hospital East Expansion Albuquerque, New Mexico



The Albuquerque Presbyterian Hospital East Expansion project is a \$40 million, 150,000 s.f., three-phase expansion. The project scope provides construction documents for a 5th, 6th and 7th floor addition to be built on top of the

existing east expansion, originally constructed in 1980, and designed by Chavez-Grievés. For this fast-track project, the eSteel process was used to provide structural engineering, detailing, fabrication and erection for both the structural and miscellaneous steel packages.

Chavez-Grievés is providing construction documents to support utility infrastructure up-

grades to service the addition and documents describing the required seismic upgrades at the existing east expansion. The seismic upgrades are necessary because the seismic design loads required by the building code have significantly increased since 1980. The CG team provided intensive coordination and value engineering during the design and bidding process, as well as construction administration, including site observations, shop drawing review and contractor assistance.

Chavez-Grievés proposed a structural system that has elevated floors with structural concrete over a composite metal deck supported by composite steel beams and composite steel girders. The roof includes a metal deck over steel joists and steel beams supported by steel girders, and the vertical support system will have steel columns. The lateral system includes steel braced frames.

Presbyterian Hospital is the largest acute care hospital in New Mexico, and serves as a major tertiary medical center for the state. It operates in a mixed business and residential area at the geographic center of Albuquerque.

### PROJECT HIGHLIGHTS

- Extensive Seismic Upgrades
- 1,200 tons of structural steel
- 3-dimensional structural models

**SQUARE FOOTAGE:**  
150,000 s.f.

**CLIENT:**  
Presbyterian Healthcare Services, Albuquerque, New Mexico

**ARCHITECT:**  
Dekker/Perick/Sabatini  
Albuquerque, New Mexico

**CONTRACTOR:**  
McCarthy Builders  
Tempe, Arizona



**Chavez-Grievés**  
consulting engineers, inc.

