

# Stanford University School of Medicine Richard M. Lucas Center Expansion

Stanford, California

**Owner**

Stanford University

**Architect**

Perkins+Will

**General Contractor**

Rudolph and Sletten

**Completion Date**

2007

**Construction Cost**

\$55 million

**Total Area**

26,000 sf

**Number of Stories**

2

**Awards**

AIA San Francisco Honor Award, 2007



Thornton Tomasetti provided structural design services for an award-winning, two-story, 26,000-square-foot subterranean medical research facility that includes laboratories, office space, a 7 Tesla (7.0T) magnetic resonance imager, and a cyclotron imager.

The building is constructed with reinforced concrete (suspended slabs, columns, and walls) and has 35-foot-tall retaining walls supported on permanent tie-back anchors. A hot laboratory supports the cyclotron facility and radioactive material handling. A fume hood intensive chemistry laboratory is located on the first level with a variable air volume fume hood exhaust system. An open two-story light court allows natural light to permeate the building. A drive aisle entry crosses the landscaped podium roof of the building and affords patients, deliveries, and emergency support vehicles access to the facility and to the original Lucas Center.