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## PATIENT-CENTERED CARE AND RESILIENCY ARE PARAMOUNT AT THE NEW STANFORD HOSPITAL

*Perkins Eastman Architects and Rafael Viñoly Architects collaborate to  
future-proof Stanford's new health care facility*

The New Stanford Hospital



Photograph by Will Pryce, Courtesy Perkins Eastman

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**San Francisco, CA (January 27, 2020)** The new Stanford Hospital redefines the model of a healing environment within a flexible framework that will adapt to health care practice for the next 100 years. Designed through a collaboration of Rafael Viñoly Architects and Perkins Eastman Architects, the 824,000 SF building utilizes a universal 120'x120' module able to accommodate future interdisciplinary innovations in clinical health care, education, and research. The design embraces the campus tradition of integrating landscape with a

modern approach to courtyards and arcades and a mid-level public roof garden equally therapeutic for patients, practitioners, and staff.

This trailblazing new health care facility celebrates cutting-edge architecture, a world-class collection of fine art, five acres of rooftop gardens, and, thanks to an innovative base isolation system, a structure that can withstand a 500-year seismic event. The new Stanford Hospital, which will provide the only Level 1 trauma center for adult patients on the Bay Area Peninsula, opened on November 17, 2019.

“Throughout the design process, the Rafael Viñoly Architects and Perkins Eastman team shared in the Stanford Health Care philosophy of consensus building amongst the numerous stakeholders impacted by the project, local and regional, patient and staff alike,” said Erich Burkhart, FAIA, Principal and Executive Board member of Perkins Eastman. “This meant creating a human-centric, healing environment where the latest innovations in patient care converged with a biophilic and hospitality-infused approach for everyone involved in the patient’s care, including family, caregivers, and medical staff.”

Leadership of Stanford Health Care, the owner, envisioned and required a state-of-the-art facility for the present with the flexibility for future expansion. To achieve this, the design team established a modular design approach with a building system that would provide the ability for future expansion not only at the building scale, but the overall medical center campus as well.

Understanding how design directly relates to a patient's wellness and healing was critical to creating a seamless patient experience. Design features include 14-foot-wide windows with tranquil views of the Santa Cruz Mountains, San Francisco Bay, and the Stanford Campus from each of the 368 private rooms, plus thoughtful design elements for loved ones, including pull-out sofas so they can stay overnight.

Protected by a seismic base isolation system, Stanford Hospital will not only survive an 8.0 earthquake, it will also function for the first 96 hours after an earthquake independent of civil infrastructure. Even the 900-vehicle garage is designed to transform for triage during a natural disaster or an outbreak of a contagious disease.

### **MAKING AN IMPACT**

The new Stanford Hospital will foster advancements in clinical health care at the nexus of Silicon Valley technology and Stanford University academics. These advancements can be shared worldwide through major academic medical centers or remote operating rooms in third world countries via the latest in telemedicine. Simultaneously, the building will significantly enhance the local community with everything from an emergency department doubled in size for the next flu season to the only Level 1 Trauma Center on the Bay Area Peninsula designed to maintain operations after a 500-year earthquake with emergency disaster response capabilities.

**STAKEHOLDERS**

**OWNER:** Stanford Health Care

**DESIGN TEAM:**

Perkins Eastman Architects/Rafael Viñoly Architects

- **PERKINS EASTMAN CORE TEAM:**

JoAnn Brookes, Erich Burkhart, FAIA, Gail Collins, Shawna Compton, Gilbert Duldulao, Jason Haim, AIA, Tony Hollifield, Roland Lau, Todd Mueller, Judy Ou, AIA, Harold Park, AIA, NCARB, LEED AP, Brianne Pham, Jessica Tu, and Rae Zhuang.

- **RAFAEL VIÑOLY CORE TEAM:**

Jay Bargmann, Namrata Bhasin, AIA, LEED GA, Shawna Compton, Chan-Li Lin, AIA, NCARB, LEED AP, Danqing Li, LEED AP BD+C, Daniel Morita, Candace Taira, and Rafael Viñoly, FAIA, JIA, SCA, IntFRIBA .

**CONSULTANTS**

- **General Contractor:** Clark Construction/McCarthy Building Cos.
- **Structural Engineers:** Nabih Youssef Associates
- **Civil Engineers:** Sandis
- **Landscape Architect:** GLS Landscape/Architecture
- **MEP:** Mazzetti
- **Medical Equipment Planning:** RTKL Associates Inc.

**SUBCONTRACTORS:** Capparelli/KHS&S; Clark Pacific; Critchfield Mechanical Enclos Corporation; Herrick Corporation; Pan-Pacific/Murray Company; PCI; Sasco Electric Inc.; Transbay Fire Protection Inc.; ISAT

**STANFORD HOSPITAL FACTS AT A GLANCE**

- Total Project Cost: \$2 Billion
- Total Square Footage: 824,000 SF
- Total Square Footage of the 900-Vehicle Garage: 402,000 SF
- 368 Private Rooms
- 20 Operating Rooms
- 8 Interventional/Radiology Rooms
- 3 MRIs, 1 Interventional MRI
- Rooftop Garden: 40,000 SF of gardens with drought-resistant plants
- Base Isolation System: Designed to withstand a 500-year seismic event
- Art Collection: More than 400 works of fine art

**Images available.**

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