



Project: Zuckerberg San Francisco General Hospital and Trauma Center
Location: San Francisco, CA
Architect: Fong & Chan Architects
Products: Expansion Joint Covers, Infill Sunshades, Floorometry® and PediTred® Entrance Flooring, Acrovyn® Interior Wall Protection

About the Project

The Zuckerberg San Francisco General Hospital and Trauma Center, commonly referred to as 'The General', has been serving the city and Northern San Mateo counties for decades. As a top medical training and research facility as well as the area's only Level 1 Trauma Center, the hospital serves over 100,000 patients annually. Construction of the nine-story acute care hospital began in 2009 and was completed in 2015, due in large part to a significant donation from Facebook founder, Mark Zuckerberg, and his wife, Priscilla Chan.

Design Goals

Located on the San Andreas fault line, California Building Code mandates the strict seismic standards for new construction to ensure the hospital remains operational should an earthquake occur. Additionally, to achieve its goal of obtaining LEED Gold Certification, environmentally responsible products were selected.

Results

With the most advanced seismic designs available, The General is now one of the largest base-isolated hospitals constructed in the United States. The building is able to glide 30 inches in every direction during a seismic event. CS' Multi-Axial Corridor Cover (MACC) system seamlessly connects the new hospital tower to the existing structure while the exterior moat covers visually unite the landscape and sidewalk with the structure. To allow this movement, CS Expansion Joint Covers were chosen by Fong & Chan Architects in San Francisco and installed by Van-Mulder Sheet Metal, Inc. from Hayward, CA.

"The biggest draw from our standpoint was to be able to design a base isolation system and still be able to accomplish the aesthetics that we've always been accustomed to. We were able to embed specific materials into the CS moat covers

At a Glance:

The General selected CS products to meet strict seismic standards, create durable yet aesthetic interiors, promote healthy indoor air quality, reduce energy usage and seek LEED Gold Certification.



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so that they would match the surrounding context and still perform as intended. It brings the aesthetics and functionality into one product," said Nuno Lopes, AIA, Principal at Fong & Chan Architects.

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The architect chose CS Infill Sunshades for the exterior to allow sufficient, yet filtered light. A custom solution was designed to create a teardrop shape at the rooftop area. The sunshades help reduce heat and glare, contributing to the overall energy reduction of 21% for the new hospital.

CS Floormetry 301 was chosen as the permanent entrance flooring system for the main entrance to create a positive first impression. CS Peditred was chosen for the remaining entrances. Both products are designed to withstand heavy rolling loads, while trapping dirt and water. They also both contribute to LEED certification credits. Throughout the building, PVC-free Acrovyn handrails, crash rails and corner guards were installed to contribute to a healthy indoor environment as well as protect walls and provide patient assistance.

