

NEW STANFORD HOSPITAL

Located on the Stanford University Medical Center campus and adjacent to the site of the current New Adult Stanford Hospital, the new facility features a flexible pavilion design with 368 patient rooms for a total of 600 patient beds.



PROJECT

New Stanford Hospital

Project Owner:
Stanford University

Design Engineer:
Rafeal Vinoly Architects and Allana
Buick & Bers

General Contractor:
Clark-McCarthy (Joint Venture)

LOCATION

Palo Alto, CA, USA

PRODUCTS

COREFLEX®, VOLTEX®,
STRATASEAL HR,
TB Gaskets, Moat Bladder

HydroShield™

CHALLENGE:

Constructing a watertight structure in a seismic area is very challenging. Allana Buick & Bers and CETCO collaborated to provide solutions to the unique conditions on this project. This property line application required custom tie-back gaskets that must remain watertight, yet be accessible for tensioning at a later point. Additionally, a “moat bladder” was required to protect a void space between the concrete shoring wall and foundation wall of the main building allowing for movement in the event of an earthquake.

SOLUTION:

CETCO’s ability to provide solutions to these challenges was instrumental in cementing CETCO’s products into the specification. The technical expertise of CETCO provided Allana Buick & Bers and Stanford University the confidence that no other manufacturer could with these challenges on this project.

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EXECUTION:

Several site issues where conditions differed from design demonstrated the need for the collaboration between the design team and CETCO. CETCO remained engaged throughout the project through site visits, and the HydroShield™ Quality Assurance Program in order to ensure watertight integrity of the structure. The coordination between the CETCO team and the construction team ensured harmony throughout this successful installation.

RESULT:

The successful installation of the basement areas allowed for the construction to continue on the other parts of the building. Additionally, CETCO materials have been selected for the critical tie in areas of the plaza deck. CETCO will be called upon again to demonstrate the support shown on the basement area by providing high quality products to the plaza deck area.