



PROJECT PROFILE: STRUCTURAL STRENGTHENING TYFO® SYSTEM

USC - COL AND URH STRENGTHENING

Structural improvements to residence halls

OVERVIEW

University of Southern California has been on the forefront of using advanced and cost-effective solutions to improve its infrastructure. USC Capital Construction Development worked with Fyfe to complete a seismic retrofit of the College Residence Hall (COL) and the University Residence Hall (URH). Both are three stories tall with a total of approximately 30,400 sq. ft. (15,201 sq. ft. each).

The Tyfo® SCH-41 system was used to strengthen the walls throughout the structure, adding shear strength and seismic improvement. Masonry and brick walls were wrapped with the Tyfo® system. The building also required a fire protection system for the seismic upgrade, and the Tyfo® FC/F system was used for the wall application.

The Tyfo® system also worked exceptionally well due to the obstacles and intrusions on the walls – outlets, MEP and utility work all had to be completed around the wall strengthening work. Due to the versatility of the Tyfo® system, these obstructions were able to be wrapped without sacrificing strength or schedule. The entire project finished ahead of schedule and with a high-quality finished product.

“Valetto did an outstanding job. He finished well ahead of schedule and we were pleased with the finished product.”

Chris Brown, Project Manager
Austin Commercial

“The Tyfo® FC/F system worked really well on the brick walls. We were able to apply it efficiently and the crew ran right through it.”

Chris DeLetto, Owner
Valetto Construction



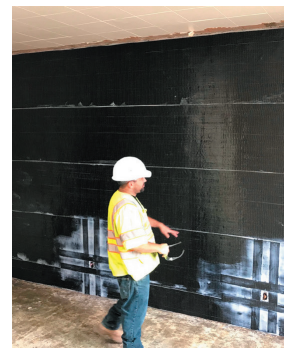
Front View of USC residence hall



Finalizing the FC/C fire protection system



Wall to be retrofitted
- before shot



FRP wrap on wall and
extrusions