

MODERNIZATION OF LUXURY HOTEL IN SANTA MONICA, CA

A luxury hotel in Santa Monica, California underwent a two-year modernization program which saw Fyfe's LOCTITE Tyfo FRP systems used to structurally strengthen specific areas of the building. This enabled the installation of a new fitness center, upgraded spa and a redesigned pool.

Once complete the facility offered stunning ocean-view rooms, a signature restaurant, and a pool overlooking the Pacific.

Fyfe engineers provided the design and detailing of FRP retrofits for multiple structural applications, helping bring this landmark project to life. These included applications such as topside and underside of slabs, trim reinforcement for openings, slab collector, shear transfer between shear wall and slab, and beam shear and flexure strengthening.

The design of this project evolved dynamically throughout construction, and the Fyfe team collaborated closely with the engineer of record as well as the installer and contractor to successfully meet all requirements. While the FRP system is now concealed beneath luxury finishes, it will continue to provide a safe, resilient, and long-lasting retrofit for the life of the building.

SUMMARY:

- Hotel structurally strengthened to cater for fitness center, spa and pool
- FRP design provided by Fyfe engineers
- Strengthening system: LOCTITE Tyfo FRP
- Location: Santa Monica, CA



Before:



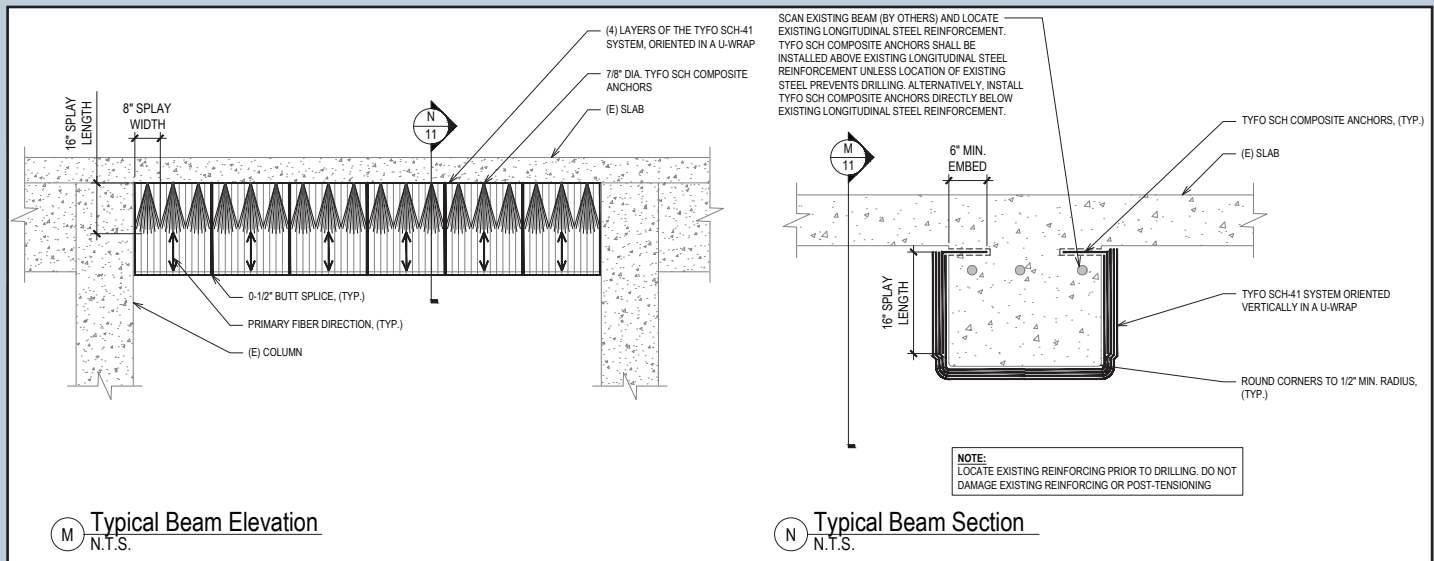
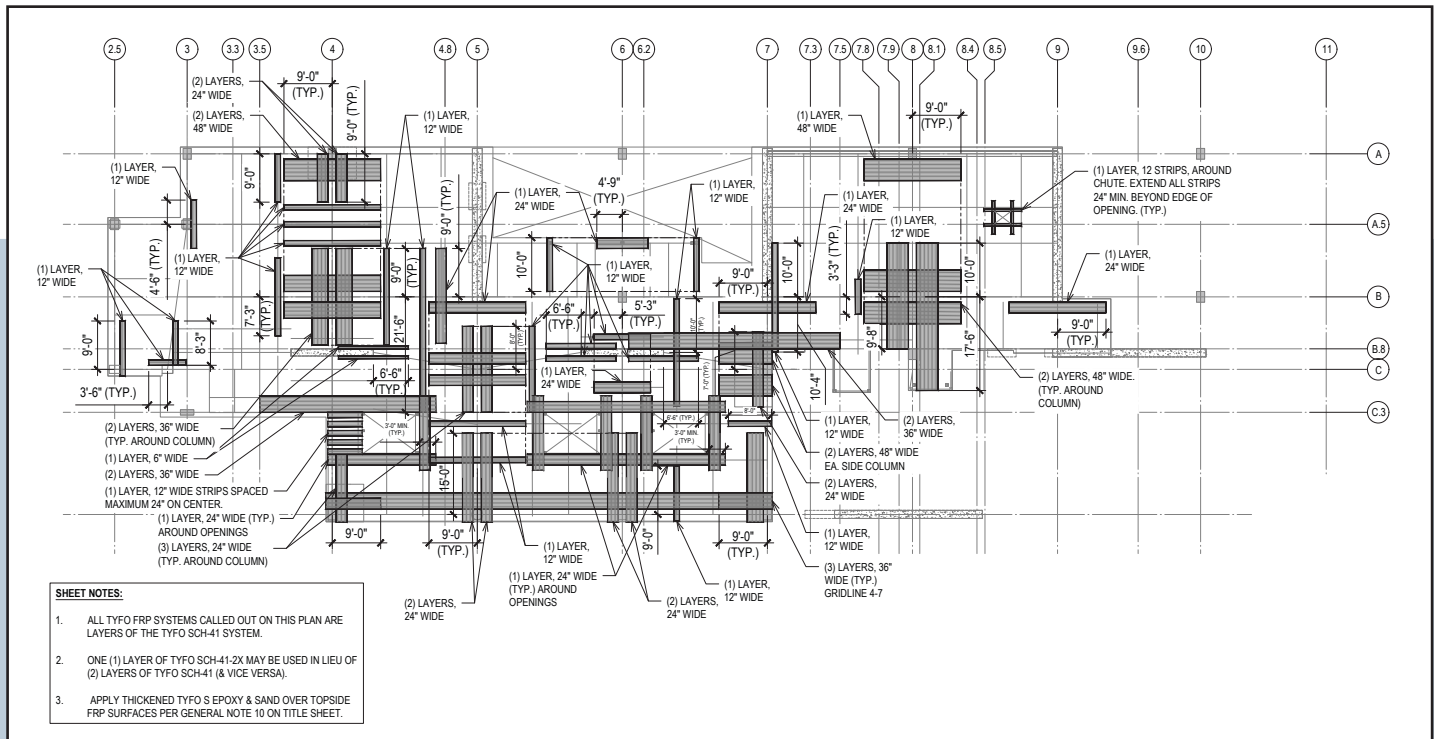
After:

SPA AREA REHABILITATION:



STRUCTURAL STRENGTHENING:





STRUCTURAL STRENGTHENING: