

Project Brief

L.A. Sports Arena
Seismic Mitigation



Los Angeles, CA, USA
July 2002



A heavily used public sports facility which seats thousands. Instead of building a new facility, the owners decided to upgrade the existing structure.

The Los Angeles Sports Arena did not comply with the minimum life-safety requirements as defined by FEMA-178 and FEMA-310.

The Tyfo® SEH-51A System was applied to the columns to improve both the shear strength and displacement ductility during a seismic event. The retrofit also included the installation of steel brace frames, new structural members and improved footings.

The Tyfo® SEH-51A System was able to provide the required shear enhancement to the existing columns without increasing the column stiffness. This both simplified the analysis of the structure and improved the overall seismic performance. The Tyfo® jackets were also able to be installed in tight spaces. The required demolition was minimized and the steel brace frames were easily installed over the Fibrwrap®.

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