

NORTHWEST CROSSINGS STRUCTURAL STRENGTHENING

St. Louis, Missouri

OVERVIEW

The 1960 Northwest Plaza, was once known as the largest shopping mall in the world, over the years and change of ownership the Plaza deteriorated, decreased in ratings and closed in 2010. With a new owner in place, the Northwest Plaza will be receiving a 106 million development project that will take about five years to complete. This renovation will include demolitions/renovations, additions of restaurants, offices and potentially a technical college. The J.C. Penney, Macy's and Burlington Coat Factory buildings will be completely renovated.

After a structural analysis was performed, Fyfe Company was contacted by the Engineer of Record (EOR) to provide the additional shear strengthening to CMU Walls on the south elevations. The Tyfo® SEH-51A System was applied between the existing windows oriented in the horizontal direction to provide the additional shear strengthening.

This unique application of the Tyfo® system, allowed for the deficient CMU walls to receive the additional strengthening required without changing the architecture of the structure.



Tyfo® SEH-51A System application



CMU Walls with Tyfo® SEH-51A System