

Project Brief

Kansas City Music Hall

Slab Strengthening



Kansas City, MO
2006



The Music Hall underwent an extensive renovation. This included increasing the strength of the floor system at various areas, specifically areas supporting performing stages.

The thin floor slabs were reinforced for flexure with the carbon-based Tyfo® SCH-41 Composite System. Adjacent beams were reinforced to upgrade shear capacity utilizing the glass-based Tyfo® SEH-51 Composite System. All installations were coated with the Tyfo® AFP (Advanced Fire Protection) System to achieve the required UL 2-hour fire-rating for the structure. Overall, the strengthened slabs and beams support over 6,000 square feet of floor area.

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