




Project: Kansas City Music Hall

Slab Strengthening



Location: Kansas City, MO 



Description of Work

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 utilizing 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® Advanced Fire Protection System to achieve the required UL 2-hour fire-rating for the structure. Overall, the strengthened slabs and beams support over 6000sf of floor area.

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