



# One St. Louis Center

**Architect** – Derward Hargett

**Building Size** – 120,000 square feet

**Structural System:**

**Superstructure** – Originally constructed as a warehouse for general merchandise and hardware, the building is framed with heavy timber consisting of timber columns from 7" square to 16" square, timber beams and wood decking. The structural upgrades included reinforcing the beams and exterior walls. Reinforcing the exterior walls included placing reinforcing steel at the jambs of the newly created openings and covering the exterior walls with a 3" thick layer of shotcrete.

**Substructure** – The existing foundation was stepped brick footings. New foundations consisting of augercast piling were installed to support the elevator core and new basement walls.



## BARTER & ASSOCIATES, INC. Structural Engineers

•DESIGN •ANALYSIS •INVESTIGATION •COMMERCIAL •INDUSTRIAL •MARINE

