



Structural Engineering Project



TAYLOR SPRINGS SEISMIC UPGRADE **Residential Project**



PROJECT DESCRIPTION:

- ◆ This single residence building (The Stanley Taylor Home) is a 1,700 square foot two story with basement structure that was converted to an office/gathering building for the Taylor Springs Apartments operated by the Housing Authorities of Salt Lake City.
- ◆ The structure was built in 1903 with multi-wythe unreinforced clay brick with interior wood bearing wall and wood roof and floors systems. Stacked sand stone blocks were used for the foundation. A wood building addition of the back was removed during the renovation. McNeil Engineering – Structural, L.C. provided structural engineering design serviced that included both a renovation and seismic retrofit.
- ◆ The project was analyzed using the requirements of ASCE 41-06 Seismic Rehabilitation of Existing Buildings and utilized FEMA 547/2006 Techniques for the Seismic Rehabilitation of Existing Buildings.



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