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Title:

Salt Lake Temple Renovation and Base Isolation Project – An Engineering Perspective

Presentation Summary:

This presentation will discuss the Salt Lake Temple seismic upgrade and construction project. The presentation will give an overview of the project, the base isolation system, and the purpose of the project. It will discuss the unique design and construction efforts for this unique project.

This project will utilize massive concrete footings and transfer girders to support the temple on the base isolators. The presentation will discuss the measures taken to meet the ACI code requirements for mass concrete, bending, shear, and torsion.

Learning Objectives:

1. Learn how base isolation systems protect buildings.
2. Learn ways to minimize building movement during load transfer.
3. Learn the importance of proper shoring to meet project needs