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Seismic Behaviour and Design of Irregular and Complex Civil Structures II Editors: Zembaty, Zbigniew, De Stefano, Mario (Eds.) A combination of novel research results in seismic behaviour of irregular and set-back structures and their control

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A building's seismic behavior is strongly influenced by its perimeter design. If there is wide variation in strength and stiffness around the perimeter, the center of mass will not coincide with the center of resistance, and torsional forces will tend to cause the building to rotate around the center of resistance.

Seismic Behavior - an overview | ScienceDirect Topics

The seismic behavior and design of struts. Evaluated in this section is the behavior and design of lateral bracing for an excavation of 10 m in depth. The behavior of strut during the course of dynamic analysis was evaluated and the maximum value obtained from the analysis was considered as seismic axial strut force.

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Performance and Seismic Design of Underground Structures

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Seismic Behavior and Design of Concentrically Braced Steel ...

Seismic Behaviour and Design of Irregular and Complex Civil Structures II (Geotechnical, Geological and Earthquake Engineering) 1st ed. 2016 Edition by Zbigniew Zembaty (Editor), Mario De Stefano (Editor)

Seismic Behaviour and Design of Irregular and Complex ...

"Seismic Behavior and Design of Steel Shear Walls", A. Astaneh-Asl, SEAONC Seminar, November 2001, San Francisco. 2 of 18 Some of the advantages of using steel plate shear wall to resist lateral loads are: 1. The system, designed and detailed properly is very ductile and has relatively

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large energy dissipation capability.

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STESSA 2003 - Behaviour of Steel Structures in Seismic ...

Seismic Behavior, Performance and Design of Steel Concentrically Braced Frame Systems. View/ Open. Palmer_washington_0250E_11098.pdf (244.2Mb) Date 2013-04-17. Author. Palmer, Keith David. Metadata Show full item record. Abstract.

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