

Energy storage power station seismic isolation





Overview

What is included in a seismic isolation system?

The seismic isolation system shall include wind-restraint and tie-down systems, if such systems are required by this standard. The isolation system also shall include supplemental energy dissipation devices, if such devices are used to transmit force between the structure above the isolation system and the structure below the isolation system.

What are seismic isolation and energy dissipation systems?

Seismic isolation and energy dissipation systems include a wide variety of concepts and devices. In most cases, these systems and devices will be implemented with some additional conventional strengthening of the structure; in all cases they will require evaluation of existing building elements.

What are the requirements for seismic isolation and energy dissipation systems?

The basic form and formulation of requirements for seismic isolation and energy dissipation systems have been established and coordinated with the Rehabilitation Objectives, target Building Performance Levels, and seismic ground shaking hazard criteria of Chapter 1 and the linear and nonlinear procedures of Chapter 3.

Are special seismic protective systems a viable rehabilitation strategy?

Special seismic protective systems should be evaluated as possible rehabilitation strategies based on the Rehabilitation Objectives established for the building. Seismic isolation and energy dissipation systems are viable design strategies that have already been used for seismic rehabilitation of a number of buildings.



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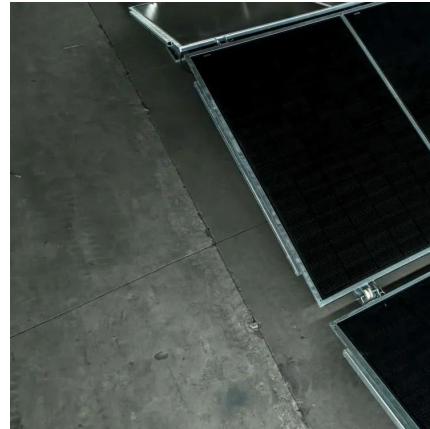
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