

عنوان مقاله:

Comparing performance of single and double corrugated steel plate shear walls

محل انتشار:

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خلاصه مقاله:

In this paper structural models including ۳-story ۲D frames equipped with corrugated steel plate shear walls (CPSW) and double-corrugated plate shear walls (DCPSW) were examined through the FE method by pushover analyses. Effects of three different corrugation angles and two lateral load patterns have been inspected. Results indicate the lateral strength of DCPSW is significantly greater than that of CPSW and their initial stiffness is close. Also, inelastic deformations in DCPSW are more than CPSW which means that DCPSW may have more desirable behavior.

کلمات کلیدی:

۲D frames, corrugated steel plate shear, double-corrugated plate shear walls, pushover analysis

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