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Web crippling behaviour and design of cold-formed steel ...

Abstract Cold-formed steel beams are increasingly used as floor joists and bearers in buildings. Their behaviour and moment capacities are influenced by

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lateral-torsional buckling when they are not laterally restrained adequately. Past research on lateral-torsional buckling has concentrated on hot-rolled steel beams.

Behaviour and design of cold-formed steel beams subject to ...

The main differences in behaviour may be

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Seen when the carrying load reaches the inelastic behavioural stage. By increasing the steel grade, column represents typical load-strain response but it is shifted upwards. Generally, the transition around the ultimate load of the column becomes sharper when the yield strength of the used steel increases.

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driven hot, the rivet shank expands to fill the hole while being driven.

29 CONNECTION DESIGN □ DESIGN REQUIREMENTS

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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.

Seismic Behavior and Design of Steel Shear Walls

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