

عنوان مقاله:

Spectral Acceleration Amplification effects on the Performance Point of Steel Framed Tube Tall Structures with Belt Trusses

محل انتشار:

چهارمین همایش بین المللی مهندسی سازه (سال: 1396)

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خلاصه مقاله:

Due to development of the construction of tall framed tube steel structures and by realizing that almost none of the aseismic codes in the world have any notification about special structures of this kind, the importance of studying the seismic behaviour of such kinds of structures becomes evident. In order to fulfill this purpose, In this research, the overall structural seismic behaviour and Performance Point determination bases are briefly described. Later, 5 three dimensional 40~60 stories Framed Tube Structures equipped with belt trusses are modeled, analyzed and designed according to ASCE 7-10 code, based on 3 soil categories of Rock (800

کلمات کلیدی:

Framed Tube Tall Structures, Belt Truss, Performance Point, Modal Pushover Analysis, Capacity Spectrum

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