Abstract:

In this study ; six different bracing types had been studied additional to the rigid frame in order to compare the lateral stiffnesses of bracings in terms of comparison of the lateral displacement of stories ; and the members weights had been generated from changing the bracing type was also compared ; and by these comparisons we can give a general sign of the optimized economic design for the braced frames according to the bracing type ; in order to make these comparisons two basic models of multi storey steel buildings had been selected ; analyzed and designed for wind loads along both major and minor axes additional to gravity load by Etabs program with different bracing types in each model; and the results had been compared with the rigid frame

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