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ANALYSIS OF G+5 RESIDENTIAL BUILDING WITH STAAD PRO BY WIND LOAD

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ABSTRACT

It is very important for civil engineers to save time in order to be able to compete in a growing and competent market. This is followed by an attempt to analyze and design the home using the STAAD software package. An analysis of a Pro home should consider all possible loads and ensure that the structure is safe for all possible load conditions. There are several ways to analyze different frameworks, including the Kany, cantilever, portal, and Matrix methods.

This project deals with the analysis of G + 5 homes. Dead and live loads were applied and beam, column and slab designs were acquired using STAAD software such as AutoCAD. We conclude that STAAD. Pro is a very powerful tool, saves a lot of time and the design is very accurate. Therefore, it can be concluded that the STAAD. Pro package is suitable for the design of residential buildings (G + 5). Details of this source text Source text required for additional translation information

KEYWORDS: Auto CADD, Cantilever method, Kani’s method, Matrix method, Portal method, STAAD PRO.

