

**O 89. EVALUATION OF REINFORCED CONCRETE HIGH BUILDINGS WITHIN THE
CONTEXT OF TBDY-2018**

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ABSTRACT: In this study, it is aimed to examine the reinforced concrete high buildings (RCHB) which are widespread in the world and in our country. To begin with, reviewing the literature is completed to see important points in the analysis of high structures. In this context, the historical development of high building class structures and the structural system design and classification of the high buildings are discussed. In addition, loads affecting high building class structures were examined. As the earthquake loads applied to high building class structures are calculated in the best way and the accurate action is made according to the current regulations, the current regulations are examined and their deficiencies are emphasized. The historical development of the regulations used in the analysis of high structures and the steps taken in line with the requirements in this direction were examined. The limits and differences of the regulations in our country for high buildings are highlighted. Lastly, the requirements of performance analysis are explained in order to achieve more accurate analysis results.

Keywords: Turkey earthquake building regulations, high rise buildings, earthquake, performance-based design