

EARTHQUAKE RESISTANT RCC AND FERROCEMENT CIRCULAR COLUMNS WITH MAIN CROSS SPIRAL REINFORCEMENT

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ABSTRACT

In present theory and practice of design of circular columns the main steel is provided along the longitudinal (vertical) direction of the column. But the replacement of this form of main reinforcement in to the cross spiral/helical form will lead to increase in its load carrying capacity by enhancing its ductility and earthquake performance.

KEYWORDS: Column, Cross Spiral Reinforcement, Helical Reinforcement, Ductility, Earthquake Performance