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Stresses in Tall Buildings: An Investigation of the Stresses in Tall Steel Buildings of the Cage Construction Type with Portal Bracing (Classic Reprint)

By Cyrus Alan Melick

Forgotten Books, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Excerpt from Stresses in Tall Buildings: An Investigation of the Stresses in Tall Steel Buildings of the Cage Construction Type With Portal Bracing This investigation has been undertaken with a three-fold purpose in view, as follows: First, to develop a practicable mathematical solution of the stresses in tall buildings with portal bracing for all types of loadings, and, by its application, to determine the principal errors which exist in present methods of design. Second, to endeavor by experiment on an existing structure to find by actual measurement the distribution and amount of stresses and distortions due to wind pressures, the only loading which can be practically varied on such a structure. Third, to give in a final chapter a full and definite resume of all findings and suggestions for designers as derived therefrom, so as to make the results of the investigation of value to the practicing engineer or architect without wasting his time in perusal of the body of the investigation, a proceeding which would, it is believed, be a discouraging one for a man who...



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