

Post Tension Raft Foundation

Design Applications of Raft Foundations Structural Foundations Manual for Low-Rise Buildings Structural Engineering International Practical Foundation Engineering Handbook Proceedings Civil Engineering Reinforced and Prestressed Masonry Standard Handbook for Civil Engineers Shell Foundations Numerical Analysis of Vertically-loaded and Laterally-loaded Raft Foundations Enhanced by Deep Foundation Elements Construction Technology Felsbau Concrete, Plain and Reinforced ...: Theory and design of concrete and reinforced structures Structural Engineering Handbook, Fifth Edition Handbook of Building Construction Practical Examples of Reinforced Concrete Design Foundation Design and Practice The Structural Engineer Geotechnical Aspects of Soft Clays Canadian Geotechnical Journal J. A. Hemsley Michael Atkinson Robert Wade Brown Institution of Civil Engineers (Great Britain) Jonathan T. Ricketts N. P. Kurian Widjojo Adi Prakoso Roy Chudley Frederick Winslow Taylor Mustafa Mahamid George A. Hool Charles Edward Reynolds J. H. Thornley R. P. Brenner

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this book examines alternative design procedures for plain and piled raft foundations it explores the assumptions that are made in the analysis of soil structure interaction together with the associated calculation methods the book gives many examples of project applications covering a wide range of structural forms and ground conditions

this book provides practical and buildable solutions for the design of foundations for housing and other low rise buildings especially those on abnormal or poor ground a wealth of expert information and advice is brought together dealing with the key aspects a designer must consider in order to achieve effective and economic foundation designs this second edition of structural foundations manual for low rise buildings has been completely updated in line with the new government guidelines on contaminated land and brown field sites the book includes well detailed design solutions and calculations actual case histories illustrations design charts and check lists making it a user friendly reference for contractors structural engineers architects and students who have to deal with foundations for low rise buildings on sites with difficult ground conditions

filled with handy illustrations charts tables and case study examples this book offers proven expert design alternatives for even substandard soil and challenging site conditions with example problems for any type of structure

with examples and details of reinforced masonry cantilever construction and grain silos in reinforced brickwork these papers discuss all areas of reinforced and prestressed masonry

this revised classic remains the most valuable source on principles and techniques needed by civil engineers including scores of revisions and innovations in design construction materials and equipment emphasis is on simplified ways to apply fundamental principles to practical problems 725 illus

shell foundations are economic alternatives to plain foundations in situations involving heavy superstructural loads to be transmitted to weaker soils the book presents in one volume the geotechnical and structural aspects of design and construction of shell foundations essentially focused on the needs of postgraduate students in geotechnical and structural engineering the book will be of immense help to research scholars design professionals consulting engineers and architects book jacket

construction technology provides a comprehensive introduction to every aspect of the technology of domestic low rise construction including elements of commercial construction and the principal associated legislation based on construction technology volumes 1 and 2 this combined new edition has been updated in line with contemporary legislation and practice in addition a substantial amount of new material has also been included in order to cover recent developments in technology affecting the construction industry the style of the original books by roy chudley has been retained avoiding lengthy descriptive passages and leaving the original diagrams to illustrate best practice and techniques this book covers the basic elements of substructure site works setting out and foundations and superstructure flooring and roofs simple finishes fittings and fixtures as well as basic services such as water gas electricity and drainage it also considers low rise framed industrial and commercial buildings

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examines the building of a foundation from the inception of the idea to the finished structure by looking at the engineering problems and questions of safety and suitability

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