Multi-Storey Precast Concrete Framed Structures. 2nd Edition

Description: Precast reinforced and prestressed concrete frames provide a high-strength, stable, durable and robust solution for any multi-storey structure, and are widely regarded as a high-quality, economic and architecturally versatile technology for the construction of multi-storey buildings. The resulting buildings satisfy a wide range of commercial and industrial needs. Precast concrete buildings behave in a different way to those where the concrete is cast in situ, with the components subject to different forces and movements. These factors are explored in detail in the second edition of Multi-storey Precast Concrete Framed Structures, providing a detailed understanding of the procedures involved in precast structural design. This new edition has been fully updated to reflect recent developments, and includes many structural calculations based on Eurocode standards. These are shown in parallel with similar calculations based on British Standards to ensure the designer is fully aware of the differences required in designing to Eurocode standards.

Civil and structural engineers as well as final year undergraduate and postgraduate students of civil and structural engineering will all find this book to be a thorough overview of this important construction technology.

This book provides a comprehensive treatment of precast concrete framed structures. [It] certainly deserves to be read widely.

The Structural Engineer

An excellent primer about precast concrete framed construction. Whilst the emphasis is upon design matters there is ample coverage of production and erection procedures. The copious model calculations are particularly useful.

Structures and Buildings

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