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Soggetti	Precast concrete construction
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Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	1. What is precast concrete -- 2. Materials used in precast structures -- 3. Precast frame analysis -- 4. Precast concrete floors -- 5. Precast concrete beams -- 6. Precast concrete columns -- 7. Shear walls -- 8. Horizontal floor diaphragms -- 9. Joints and connections -- 10. Beam and column connections -- 11. Ties in precast concrete structures -- 12. Design exercise for 10-storey precast skeletal frame.
Sommario/riassunto	This second edition of Precast Concrete Structures introduces the conceptual design ideas for the prefabrication of concrete structures and presents a number of worked examples that translate designs from BS 8110 to Eurocode EC2, before going into the detail of the design, manufacture, and construction of precast concrete multi-storey buildings. Detailed structural analysis of precast concrete and its use is provided and some details are presented of recent precast skeletal frames of up to forty storeys. The theory is supported by numerous worked examples to Eurocodes and European Product Standards for precast reinforced and prestressed concrete elements, composite construction, joints and connections and frame stability, together with extensive specifications for precast concrete structures. The book is extensively illustrated with over 500 photographs and line drawings.

