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should prove useful not only to students of structural and civil engineering, but also to those studying for qualifications in architecture, building, and surveying who need to understand the design of

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textbook not only for
students of structural and
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for those on courses in
related subjects such as
architecture, building and
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include the design of structural elements. Trevor Draycott the former Buildings and Standards Manager with Lancashire County Council's Department of Property Services has 50 years experience in the

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has taught structural design on higher technician, degree and postgraduate courses, and has run courses to prepare engineers for the IStructE Chartered Membership examination.

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and logically presents the subject's basic principles, keeping the mathematical content to its essential minimum. The sixth edition has been revised to take into account changes in standards, and clarifies the

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content with updated design examples and a new setting of the text. The original simplicity of the mathematical treatment has been maintained, while more emphasis has been placed on the relevance of structural

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mechanics to the process of structural design, analysis, materials, and loads on buildings and structures according to the current British Standards and European codes of practice. The initial

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chapters of the book deal with the concept of loads and their effects on structural materials and elements in terms of stress and strain. The significance of the shape of the cross-section of structural

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elements is then considered. The book finishes with the design of simple structural elements such as beams, columns, rafters, portal frames, dome frames and gravity retaining walls.

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