

Aci Design Handbook

PCI Design Handbook
 PCI Design Handbook
 ACI 318-19 Building Code Requirements for Structural Concrete (ACI 318-19) and Commentary (ACI 318R-19)
 Structural Concrete
 CRSI Design Handbook, 2002
 Structural Design Guide to the ACI Building Code
 Design Handbook in Accordance with the Strength Design Method of ACI 318-89
 PCI Design Handbook
 ACI MNL-15(20) Field Reference Manual: ACI 301-20 Specifications for Concrete Construction with Selected ACI References
 MNL-17(21), the ACI Reinforced Concrete Design Handbook-A Companion to ACI 318-19, Volumes 1 & 2 Combined
 CRSI Design Handbook
 Reinforced Concrete Design Handbook
 Handbook for Blast Resistant Design of Buildings
 SP-17M(14), the Reinforced Concrete Design Handbook (metric Version)
 Ultimate Strength Design Handbook
 Design Handbook for Reinforced Concrete Elements, 2 Edition
 CRSI Design Handbook,
 Building Code Requirements for Structural Concrete (ACI 318-08) and Commentary
 Design Handbook in Accordance with the Strength Design Method of ACI 318-89: (loose-leaf). Beams, one-way slabs, brackets, footings, and pile caps
 The Reinforced Concrete Design Manual: Anchoring to concrete
 Design Handbook
 The Reinforced Concrete Design Handbook
 Concrete Construction Engineering Handbook
 Ultimate Strength Design of Reinforced Concrete Columns
 PCI Design Handbook
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 SP-17M(14), the Reinforced Concrete Design Handbook
 ACI Design Handbook
 ACI Design Handbook, in Accordance with the Strength Design Method of ACI 318-89
 Design Guide on the ACI 318 Building Code Requirements for Structural Concrete
 Design of Reinforced Concrete
 Seismic Design of Reinforced Concrete Buildings
 ACI Design Handbook
 Structural Design Guide to the ACI Building Code
 Building Code Requirements for Structural Concrete (ACI 318-05) and Commentary (ACI 318R-05)
 ACI Design Handbook (Metric)
 Design Handbook
 Design Handbook, in Accordance with the Strength Design Method of ACI 318-89
 Handbook of Concrete Engineering

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PCI Design Handbook American Concrete Institute

Complete coverage of earthquake-resistant concrete building design Written by a renowned seismic engineering expert, this authoritative resource discusses the theory and practice for the design and evaluation of earthquake-resisting reinforced concrete buildings. The book addresses the behavior of reinforced concrete materials, components, and systems subjected to routine and extreme loads, with an emphasis on response to earthquake loading. Design methods, both at a basic level as required by current building codes and at an advanced level needed for special problems such as seismic performance assessment, are described. Data and models useful for analyzing reinforced concrete structures as well as numerous illustrations, tables, and equations are included in this detailed reference. Seismic Design of Reinforced Concrete Buildings covers: Seismic design and performance verification Steel reinforcement Concrete Confined concrete Axially loaded members Moment and axial force Shear in beams, columns, and walls Development and anchorage Beam-column connections Slab-column and slab-wall connections Seismic design overview Special moment frames Special structural walls Gravity framing Diaphragms and collectors Foundations

PCI Design Handbook John Wiley & Sons

The first edition of this comprehensive work quickly filled the need for an in-depth handbook on concrete construction engineering and technology. Living up to the standard set by its bestselling predecessor, this second edition of the Concrete Construction Engineering Handbook covers the entire range of issues pertaining to the construction

ACI 318-19 Building Code Requirements for Structural Concrete (ACI 318-19) and Commentary (ACI 318R-19) UNSW Press

Develops simple theories to help students understand the fundamental principles of reinforced concrete design. Incorporates current Code requirements, as well as design formulas, design charts and design examples which will prove useful both to students and practising engineers.

Structural Concrete John Wiley & Sons

Unique single reference supports functional and cost-efficient designs of blast resistant buildings Now there's a single reference to which architects, designers, and engineers can turn for guidance on all the key elements of the design of blast resistant buildings that satisfy the new ASCE Standard for Blast Protection of Buildings as well as other ASCE, ACI, and AISC codes. The Handbook for Blast Resistant Design of Buildings features contributions from some of the most knowledgeable and experienced consultants and researchers in blast resistant design. This handbook is organized into four parts: Part 1, Design Considerations, sets forth basic principles, examining general considerations in the design process; risk analysis and reduction; criteria for acceptable performance; materials performance under the extraordinary blast environment; and performance verification for technologies and solution methodologies. Part 2, Blast Phenomena and Loading, describes the explosion environment, loading functions needed for blast response analysis, and fragmentation and associated methods for effects analysis. Part 3, System Analysis and Design, explains the analysis and design considerations for structural, building envelope, component space, site perimeter, and building system designs. Part 4, Blast Resistant Detailing, addresses the use of concrete, steel, and masonry in new designs as well as retrofitting existing structures. As the demand for blast resistant buildings continues to grow, readers can turn to the Handbook for Blast Resistant Design of Buildings, a unique single source of information, to support competent, functional, and cost-efficient designs.

CRSI Design Handbook, 2002 McGraw Hill Professional

The Sixth Edition provides easy-to-follow design procedures, newly formatted numerical examples, and both new and updated design aids using ASCE 7-02, ACI 318-02, the third edition of the AISC

Steel Manual and IBC 2003. It also includes new and updated information on 15 foot wide double tee load tables, seismic design, torsion and shear design, load and resistance factors, headed stud connection design, and fire resistance.

Structural Design Guide to the ACI Building Code Armadillo

The quality and testing of materials used in construction are covered by reference to the appropriate ASTM standard specifications. Welding of reinforcement is covered by reference to the appropriate AWS standard. Uses of the Code include adoption by reference in general building codes, and earlier editions have been widely used in this manner. The Code is written in a format that allows such reference without change to its language. Therefore, background details or suggestions for carrying out the requirements or intent of the Code portion cannot be included. The Commentary is provided for this purpose. Some of the considerations of the committee in developing the Code portion are discussed within the Commentary, with emphasis given to the explanation of new or revised provisions. Much of the research data referenced in preparing the Code is cited for the user desiring to study individual questions in greater detail. Other documents that provide suggestions for carrying out the requirements of the Code are also cited.

Design Handbook in Accordance with the Strength Design Method of ACI 318-89 Springer Emphasizing a conceptual understanding of concrete design and analysis, this revised and updated edition builds the student's understanding by presenting design methods in an easy to understand manner supported with the use of numerous examples and problems.

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This book is intended to guide practicing structural engineers familiar with earlier ACI building codes into more profitable routine designs with the ACI 1995 Building Code (ACI 318-95). Each new ACI Building Code expresses the latest knowledge of reinforced concrete in legal language for safe design application. Beginning in 1956 with the introduction of ultimate strength design, each new code offered better utilization of high-strength reinforcement and the compressive strength of the concrete itself. Each new code thus permitted more economy as to construction material, but achieved it through more detailed and complicated design calculations. In addition to competition requiring independent structural engineers to follow the latest code for economy, it created a professional obligation to follow the latest code for accepted levels of structural safety. The increasing complexity of codes has encouraged the use of computers for design and has stimulated the development of computer-based handbooks. Before computer software can be successfully used in the structural design of buildings, preliminary sizes of structural elements must be established from handbook tables, estimates, or experienced first guesses for input into the computer.

ACI MNL-15(20) Field Reference Manual: ACI 301-20 Specifications for Concrete

Construction with Selected ACI References American Concrete Institute

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 Publisher Description

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