

Building Structures, 2nd Edition

By James Ambrose



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Construction Details From Architectural Graphic Standards Eighth Edition Edited by James Ambrose A concise reference tool for the professional involved in the production of details for building construction, this abridgement of the classic Architectural Graphic Standards provides indispensable guidance on standardizing detail work, without having to create the needed details from scratch. An ideal "how to" manual for the working draftsperson, this convenient, portable edition covers general planning and design data, sitework, concrete, masonry, metals, wood, doors and windows, finishes, specialties, equipment, furnishings, special construction, energy design, historic preservation, and more. Construction Details also includes extensive references to additional information as well as AGS's hallmark illustrations. 1991 (0 471-54899-5) 408 pp. Fundamentals of Building Construction Materials And Methods Second Edition Edward Allen "A thoughtful overview of the entire construction industry, from homes to skyscrapers.there's plenty here for the aspiring tradesperson or anyone else who's fascinated by the art of building." -- Fine Homebuilding Beginning with the materials of the ancients--wood, stone, and brick--this important work is a guide to the structural systems that have made these and more contemporary building materials the irreplaceable basics of modern architecture. Detailing the structural systems most widely used today--heavy timber framing, wood platform framing, masonry loadbearing wall, structural steel framing, and concrete framing systems--the book describes each system's historical development, how the major material is obtained and processed, tools and working methods, as well as each system's relative merits. Designed as a primer to building basics, the book features a list of key terms and concepts, review questions and exercises, as well as hundreds of drawings and photographs, illustrating the materials and methods described. 1990 (0 471-50911-6) 803 pp. Mechanical and Electrical Equipment for Buildings Eighth Edition Benjamin Stein and John S. Reynolds "The book is packed with useful information and has been the architect's standard for fifty years." -- Electrical Engineering and Electronics on the seventh edition More up to date than ever, this reference classic provides valuable insights on the new imperatives for building design today. The Eighth Edition details the impact of computers, data processing, and telecommunications on building system design; the effects of new, stringent energy codes on building systems; and computer calculation techniques as applied to daylighting and electric lighting design. As did earlier editions, the book provides the basic theory and design guidelines for both systems and equipment, in everything from heating and

cooling, water and waste, fire and fire protection systems, lighting and electrical wiring, plumbing, elevators and escalators, acoustics, and more. Thoroughly illustrated, the book is a basic primer on making comfort and resource efficiency integral to the design standard. 1991 (0 471-52502-2) 1,664 pp.



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Editorial Review

Review

Study Guide, Instructor's Manual and Computer Applications available. -- The publisher, John Wiley & Sons

From the Publisher

Illustrates concepts, relationships and basic processes of architectural design. Emphasizes concerns of professional designers who must cope with practical problems of how to make plans for sensible buildings and determine construction details for a specific type of edifice. This edition updates all standard reference codes, industry regulations, design procedures and current products. Features demonstration examples of the development of structural systems for two buildings from preliminary planning to construction detailing.

From the Back Cover

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