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Nota di contenuto	Cover ; Title Page ; Copyright ; Contents ; Preface ; About This Book ; How to Use This Book ; References ; Terminology ; Example Project ; Acknowledgments ; Part I ; Code Basics ; Building Code Organization; Other Codes and Regulations ; Things to Look Out For ; Know the Definitions ; Types of Fire-Resistive Assemblies and Construction ; Fire Walls (IBC Section 706) ; Fire Barriers (IBC Section 707) ; Fire Partitions (IBC Section 708) ; Smoke Barriers (IBC Section 709) ; Horizontal Assemblies (IBC Section 711) ; Exterior Walls ; Interior Bearing Walls ; Structural Frame ; Types of Automatic Fire-Extinguishing Systems and Standpipes ; NFPA 13 (IBC Section 903.3.1.1) ; NFPA 13R (IBC Section 903.3.1.2) ; NFPA 13D (IBC Section 903.3.1.3)

; Alternative Materials/Methods and Modifications; Part II Schematic Design	; Step 1 Determine Applicable Building Code;
1.1 Identifying the Authority Having Jurisdiction	
1.2 Adopted Codes and Amendments	1.3 Code
Alternates	; Step 2 Obtain Essential Building Data
; 2.1 Total Building Area	; 2.2 Number of Stories
; 2.2.1 Grade Plane	; 2.2.2 Mezzanines
2.3 Building Area per Story in Feet	; 2.4 Building Height
	; 2.5 Type of Sprinkler System
2.6 Proposed Construction Materials	2.7
Climate Zone	; 2.8 Flood Hazard Area
Step 3 Determine Occupancy Group or Groups	
; 3.1 Introduction to Occupancy Groups	
3.2 Assembly Group A (IBC Section 303)	
3.3 Business Group B (IBC Section 304)	
3.4 Educational Group E (IBC Section 305)	

Sommario/riassunto

"Revolutionize how you look at building code during design Applying the Building Code During Design: Step-by-Step Process is the only resource that identifies the building code information you need at strategic milestones when designing a new structure. This essential text leverages one case study throughout the book, taking you on a design journey that clearly showcases when to incorporate key building codes to streamline the design process while improving the overall quality of your work. Additionally, short, more pointed examples highlight fundamental concepts, helping you remember important information while providing an example of practical application for the material. Not even the ICC covers the use of building code in this way, and the groundbreaking approach of this highly relevant text can prove a key component to your professional progression. All buildings must be 'up to code,' meaning that they meet certain safety and other requirements. In a process that is quite counterintuitive, the standard design approach entails a designer creating building plans and turning them over to a code consultant to address any inconsistencies with regulatory standards. Considering code requirements at key junctures in the design strategy can greatly improve the process. Answer important questions about firestopping issues, plumbing fixture counts, occupancy groups and required egress widths Explore how to apply building code during development, schematic design, construction documents, and other key phases Follow a comprehensive case study through the entire design process to see how building code applications can be integrated into the task Improve the quality of your work by considering building code when initially ideating your design Applying the Building Code During Design: Step-by-Step Process is an exceptional reference for architects, builders, code officials, and engineers who are looking to revolutionize how they think about building codes during the design process"--