

Table of contents

- Preface
- Acknowledgments
- Introduction How to Use This Book
- Definitions
- Using Codes in the Design Process
- Organization of the Book
- Available Codes
- Prescriptive and Performance
- Accessibility Regulations
- Sustainability Requirements
- Figures in the Book
- Getting Started
- Minimum Requirements
- Chapter 1 About The Codes
- A Brief History
- Code Publications
- Federal Regulations
- Standards Organizations
- Local Codes
- Interior Codes Checklist
- Chapter 2 Occupancy Classifications And Loads
- Key Terms
- Understanding Occupancy Classifications
- Comparing the Codes
- Description of Occupancies
- Other Occupancy Considerations
- More Than One Occupancy Type
- Accessibility Requirements
- Determining Occupant Loads
- Checklist
- Chapter 3 Construction Types And Building Sizes
- Key Terms
- Understanding Construction Types
- Comparing the Codes
- Combustible versus Noncombustible
- Determining Construction Types
- Understanding Building Height and Area
- Height and Area Limitations
- Chapter 4 Means Of Egress
- Key Terms
- Comparing the Codes
- Means of Egress Components
- Exit Accesses
- Exits

- **Areas of Refuge**
- **Exit Discharges**
- **Means of Egress Capacity**
- **Arrangement of Exits**
- **Signage**
- **Emergency Lighting and Communication**
- **Checklist**
- **Chapter 5 Fire-Resistant Materials And Assemblies**
- **Key Terms**
- **Comparing the Codes**
- **Compartmentation in a Building**
- **Fire Walls**
- **Fire Barriers, Horizontal Assemblies, and Fire Partitions**
- **Smoke Barriers and Smoke Partitions**
- **Opening Protectives**
- **Through-Penetration Protectives**
- **Test Ratings**
- **Using Rated Materials and Assemblies**
- **Checklist**
- **Chapter 6 Fire-Protection Systems**
- **Key Terms**
- **Comparing the Codes**
- **Detection Systems**
- **Alarm Systems**
- **Extinguishing Systems**
- **Checklist**
- **Chapter 7 Plumbing And Mechanical Requirements**
- **Key Terms**
- **Comparing Plumbing Codes**
- **Number of Plumbing Fixtures**
- **Plumbing Fixture Requirements**
- **Toilet and Bathing Facilities**
- **Comparing Mechanical Codes**
- **Mechanical Requirements**
- **Energy Efficiency and Water Conservation**
- **Checklist**
- **Chapter 8 Electrical And Communication Requirements**
- **Key Terms**
- **Comparing Electrical Codes**
- **Electrical Components and Devices**
- **Grounding and Circuit Interrupters**
- **Light Fixtures**
- **Required Electrical Systems**
- **Energy Efficiency Requirements**
- **Comparing Communication Codes**
- **Communication Components and Devices**

- **Types of Communication Systems**
- **Checklist**
- **Chapter 9 Finish And Furniture Selection**
- **Key Terms**
- **Types of Finishes and Furnishings**
- **Comparing the Codes**
- **Standards and Testing**
- **Determining Finish Classifications**
- **Obtaining Test Results**
- **Accessibility Requirements**
- **Other Restrictions**
- **Checklist**
- **Chapter 10 Code Officials And The Code Process**
- **Key Terms**
- **The Authority Having Jurisdiction**
- **Code Enforcement**
- **The Code Process**
- **Documentation and Liability**
- **Future Technology**
- **Appendix A About The Ada**
- **Places Requiring Accessibility**
- **Original ADAAG**
- **New ADA Guidelines**
- **Level of Compliance**
- **Regulation and Enforcement**
- **Responsibility for Compliance**
- **Appendix B Family Residences**
- **Construction Types and Building Size**
- **Means of Egress**
- **Fire Resistance**
- **Fire Protection**
- **Plumbing**
- **Mechanical**
- **Electrical and Communication**
- **Finishes and Furniture**
- **Accessibility**