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PRODUCT CATALOG

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FEATURING

- 2021 International Codes®—available in print, download and
  Premium Subscription
- 2021 Turbo Tabs
- Significant Changes Series, 2021 Edition
International Code Council Family of Solutions

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TABLE OF CONTENTS

Products

<table>
<thead>
<tr>
<th>Category</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Digital Codes</td>
<td>2</td>
</tr>
<tr>
<td>2021 International Codes®</td>
<td>4</td>
</tr>
<tr>
<td>2018 International Codes</td>
<td>10</td>
</tr>
<tr>
<td>Index Tabs</td>
<td>13</td>
</tr>
<tr>
<td>Significant Changes</td>
<td>14</td>
</tr>
<tr>
<td>Code and Commentary</td>
<td>16</td>
</tr>
<tr>
<td>Essentials</td>
<td>18</td>
</tr>
<tr>
<td>International Code References</td>
<td>19</td>
</tr>
<tr>
<td>Standards</td>
<td>24</td>
</tr>
<tr>
<td>Study Tools</td>
<td>29</td>
</tr>
<tr>
<td>Administrative</td>
<td>32</td>
</tr>
<tr>
<td>Field Inspection</td>
<td>34</td>
</tr>
<tr>
<td>Special Inspection</td>
<td>36</td>
</tr>
<tr>
<td>Electrical</td>
<td>38</td>
</tr>
<tr>
<td>Architecture/Accessibility</td>
<td>39</td>
</tr>
<tr>
<td>Engineering</td>
<td>40</td>
</tr>
<tr>
<td>S. K. Ghosh Associates Computer Programs</td>
<td>44</td>
</tr>
<tr>
<td>Order and Shipping Information</td>
<td>45</td>
</tr>
<tr>
<td>Index</td>
<td>46</td>
</tr>
</tbody>
</table>

ICC Services

<table>
<thead>
<tr>
<th>Service</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICC Family of Solutions</td>
<td>Inside Front Cover</td>
</tr>
<tr>
<td>Learning Center</td>
<td>48</td>
</tr>
<tr>
<td>Assessment Center/PRONTO</td>
<td>Inside Back Cover</td>
</tr>
</tbody>
</table>

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International Codes® | State Codes | Standards | Commentaries

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2021 International Building Code® (IBC®)
This code applies to all buildings except detached one- and two-family dwellings and townhouses up to three stories. The 2021 IBC contains many important changes such as:

Nonstructural:
- Puzzle rooms (escape rooms) are now defined and regulated as special amusement areas, requiring compliance with Section 411 and special means of egress requirements.
- For the purposes of determining the allowable number of control areas in a building, each portion separated by one or more fire walls is now considered as a separate building.
- In Group E occupancies, enhanced classroom acoustics in compliance with from ICC A117.1-2017 Standard for Usable and Accessible Buildings and Facilities are to be provided in all classrooms having of volume of 20,000 cubic feet or less.
- The use of intermodal shipping containers as buildings is now specifically addressed through provisions intended to supplement existing applicable IBC requirements.
- Automatic sprinkler protection is now required in Group S-2 open parking garages where any fire area exceeds 48,000 square feet.
- New conditions have been identified to permit approved locking devices on doors provided for egress from an exterior space, such as an exterior patio, balcony or deck, through the building.

Structural:
- From an application perspective, requirements for metal composite materials installed on exterior walls of buildings of Type I, II, III and IV construction have been significantly simplified and limited.
- Parapets of a minimum height are now required for aggregate-surfaced roofs to prevent blow-off.
- Mixed occupancy buildings with assembly spaces are placed in Risk Category III when the total public assembly occupant load is greater than 2500 people.
- The 2021 IBC snow map is updated to match ASCE 7-16 snow maps by adding a reference to ASCE 7 snow tables in states with large case study areas.
- Secondary rain loads are updated to be consistent with ASCE 7. A 15- or 60-minute duration may be used for design.
- Installation of firestop, fire-resistant joint systems and perimeter fire barrier systems in residential-use buildings now requires special inspection in Group R fire areas having an occupant load exceeding 250 people.
- Frost protection for egress doors was added to the foundation requirements.
- Standards ACI 117 and ITG 7 were added to the IBC by reference to provide acceptable tolerances for concrete construction.

2021 International Residential Code® for One- and Two-Family Dwellings (IRC®)
This comprehensive code compiles all building, plumbing, mechanical, fuel gas and electrical requirements for one- and two-family dwellings and townhouses up to three stories. The IRC contains many important changes such as:

- Braced wall lines must be placed on a physical wall or placed between multiple walls.
- The rated separation for two-family dwellings is 1 hour whether or not a lot line exists between units.
- Emergency escape and rescue openings require a clear 36-inch-wide path to a public way.
- An engineered design is required for storm shelters.
- A habitable attic is limited to one-half of the area of the story below and the dwelling requires sprinklers.
- Updated Wind Speed maps match IBC and ASCE 7 maps.
- Deck design now considers snow load, tributary area for footing and post height, and guard details.
- Specific requirements for deck guardrails were added.
- Component and cladding wind pressures in Table R301.2(2) are updated for new design wind speeds and hip or gable roof profiles.
- Minimum footing size tables are revised to more accurately reflect current practice.
- Cripple wall requirements apply only to exterior cripple walls.
- New appendices for cob construction and 3D printed construction are added.
- Dedicated space and wiring are required for future electric vehicle (EV) charging.
- A 30 percent reduction of airflow is permitted for balanced ventilation systems.
- The head pressure for a water test of DWV systems increased to 10 feet.
- Air vacuum testing is now permitted for plastic piping DWV systems.
- Section P2904 for dwelling sprinklers is expanded to more closely align with NFPA 13D.
- An emergency service disconnect is required in a readily accessible outdoor location.
- A surge-protective device (SPD) is now required at the service panel.
- The number of receptacle outlets required for peninsular and island countertops in kitchens is determined by the area of the countertop surface.
- GFCI protection is now required for damp and wet locations not included in the other 10 areas requiring GFCI protection.

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<tr>
<th>PREMIUM SUBSCRIPTION (1-YEAR)*</th>
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<th>LOOSE LEAF</th>
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<th>SOFT + TURBO TABS COMBO</th>
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2021 International Fire Code® (IFC®)
The IFC contains regulations to safeguard life and property from fires and explosion hazards. Topics include general precautions, emergency planning and preparedness, fire department access and water supplies, automatic sprinkler systems, fire alarm systems, special hazards, and the storage and use of hazardous materials. Key changes to the IFC include:

- Requirements for Additive Manufacturing (3-D Printing) equipment and operations for both non-industrial and industrial applications are now provided.
- Flame propagation performance of permanently installed artificial combustible vegetation is required to be verified when exceeding certain heights located on roofs or in close proximity to buildings.
- Provisions for emergency responder communication were revised to reflect the expansion of such systems beyond radios and the need for increased performance of such systems.
- Sprinkler requirements for the storage, manufacture and sale of upholstered furniture and mattresses were updated and clarified. Part of this update is a new exception for single-story self-storage facilities accessed directly from the exterior.
- An automatic sprinkler system is now required for open parking garages exceeding a certain fire area threshold.
- The requirements for energy storage system (ESS) were further refined to reflect the variety of new technologies and applications (in building and standalone) and the need for proper commissioning and decommissioning of such systems.
- A new chapter was added that provides clarification and specific requirements for the storage of distilled spirits and wines in barrels and casks.
- The provisions for construction fire safety were reorganized and expanded with an emphasis on the owner’s responsibilities. The new language requires a site safety plan and designation of a site safety director.

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LOOSE + PDF/REDLINE COMBO ........(3400LPR21) 181.00 135.00
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2021 International Existing Building Code® (IEBC®)
Encourages the use and reuse of existing buildings. This code covers repair, alteration, addition and change of occupancy for existing buildings and historic buildings, while achieving appropriate levels of safety without requiring full compliance with the new construction requirements contained in this other I-Codes. Key changes include:

- For storm shelters, the required occupant capacity is now limited to the total occupant load of the classrooms, vocational rooms and offices in the school while the maximum distance of travel has been deleted.
- When significant portions of a building’s exterior wall coverings or exterior wall envelope are added or replaced, they must comply with the requirements of Chapters 14 and 26 of the IBC.
- Snow loads must be addressed during repair of substantial structural damage regardless of whether the damage was a result of snow.
- Additions, Level 3 alterations and Changes of occupancy in Educational occupancies are now required to meet the enhanced classroom acoustic requirements of Section 808 of ICC A117.1.
- Additional equipment may be added to a roof without a full structural analysis when the equipment weighs less than 400 pounds and is less than 10 percent of the total roof dead load.
- With a change of occupancy, a seismic analysis is required for a Group S or Group U occupancy changing to a new occupancy.
- Sprinkler requirements for Level 2 and Level 3 alterations are revised for higher hazard areas.

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2021 International Swimming Pool and Spa Code® (ISPSC®)
The only comprehensive swimming pool code coordinated with the current requirements in the I-Codes and APSP standards. The ISPSC establishes minimum regulations for public and residential pools, spas, and hot tubs using prescriptive and performance-related provisions. The ISPSC integrates seamlessly with the family of I-Codes and contains requirements that meet or exceed the Virginia Graeme Baker Act.

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2021 International Wildland-Urban Interface Code® (IWUIC®)
Contains provisions addressing fire spread, accessibility, defensible space, water supply and more for buildings constructed near wildland areas.

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2021 International Plumbing Code® (IPC®)
The IPC provides minimum regulations for plumbing facilities and provides for the acceptance of new and innovative products, materials, and systems. In October 2019, the Code Council released an independent study comparing model plumbing codes. It found that over a 12-year period, counties using the IPC saved $38 billion in construction costs, emitted 1,000,000 fewer tons of carbon dioxide, saw an additional 166,000 jobs, and saved 880 million feet of pipe. On average, a single-family home could save up to $4,000 in labor, materials and overhead compared to that same home built to other codes. To learn more about the IPC’s impact on construction, the economy and the environment, read the full report at www.iccsafe.org/IPC.

Important changes in the 2021 IPC include:

- Multiple-user toilet facilities to serve all genders are now permitted.
- Two new methods for relining/rehabilitation of existing sewers are added.
- Accommodations for mounted roof top solar panels over vent terminals is added.
- CSA B805/ICC 805 Rainwater Harvesting Systems is allowed as an alternative design method.

2021 International Mechanical Code® (IMC®)
Establishes minimum regulations for mechanical systems using prescriptive and performance-related provisions. The IMC was developed with broad-based principles that make possible the use of new materials, methods and design. Important changes in this edition include:

- Clothes dryer exhaust terminals required to be at least 3 feet from any opening into a building.
- Polyurethane spray-applied foam on the exterior of ducts in attics and crawl spaces required to meet specific smoke and flame index limits.
- Fire and smoke dampers must be provided with approved access for inspection and maintenance.
- Refrigerant tables updated to include new refrigerants.
- Addition of condensate termination identification markings and discharge restrictions.
- Approved factory-built combination intake/exhaust terminations permitted, relaxing separation requirement.
- 30% reduction in minimum mechanical ventilation for whole-house balanced ventilation systems.
- Continuous operation requirement for manicure and pedicure station exhaust systems.
- Grease duct horizontal cleanout required within 3 feet of a horizontal discharge fan.

2021 International Private Sewage Disposal Code® (IPSDC®)
This companion to the IPC includes provisions for design, installation, and inspection of private sewage disposal systems, and provides flexibility in this development of safe systems.

2021 International Fuel Gas Code® (IFGC®)
Addresses the design and installation of fuel gas systems and gas fired appliances through prescriptive and performance requirements. Key changes include:

- The termination of concealed condensate piping requires marking to indicate if it is the primary drain or the secondary drain.
- Press-connect joints are acceptable for high pressure (over 5 psig) applications indoors.
- Commercial cooking appliances are not allowed within dwelling units.

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**2021 International Energy Conservation Code® (IECC®)**

The IECC addresses energy efficiency on several fronts including cost, energy usage, use of natural resources and the impact of energy usage on the environment.

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FROM ICC AND ASHRAE!
2021 IECC and ANSI/ASHRAE/IES Standard 90.1-2019
This convenient publication contains the 2021 IECC® and ANSI/ASHRAE/IES Standard 90.1-2019: Energy Standard for Buildings Except Low-Rise Residential Buildings in a single volume to provide you with the information you need to achieve optimal energy conservation.

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2021 International Property Maintenance Code® (IPMC®)
Provides requirements for continued use and maintenance of building elements, site conditions, swimming pools, plumbing, mechanical, electrical and fire protection systems in existing residential and nonresidential structures.

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**NEW EDITION!**
NFPA 70® 2020: National Electrical Code® (NEC®)
The electrical code designated for use with the I-Codes
This revised and expanded edition features state-of-the-art information for safe electrical practices for public and private buildings, homes and structures, outdoor yards and lots, utility equipment, installations that connect to the power grid, and consumer-owned power generation systems and equipment. Content has been added, edited, and reorganized to address safety for workers, energy systems and electric vehicles, limited energy, and communication systems.

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LOOSE LEAF + TABS ....................(5000ST20) 128.00 **117.00**
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2021 International Zoning Code® (IZC®)
Promotes uniformity and consistency in zoning for city planners, code officials and developers.

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Presents provisions based on outcomes rather than prescriptive rules. It encourages new design methods by allowing broader options for meeting the intent of the International Codes®. An updated User’s Guide is included.

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<th>Description</th>
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<tr>
<td><strong>2021 Combos &amp; Collections</strong></td>
<td></td>
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</tr>
<tr>
<td><strong>2021 Complete Collection (IgCC not included)</strong></td>
<td></td>
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<td></td>
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<td></td>
<td></td>
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<tr>
<td><strong>2021 Structural Combo</strong></td>
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* ICC’s Digital Codes feature Premium subscriptions. Single-user, multi-user, monthly, 1-year and 3-year subscriptions are available.
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<td>Contains all I-Code and NEC solar energy provisions plus key SRCC standards and more!</td>
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<td>The ISEP meets the industry’s need for a resource that contains the complete solar energy-related provisions from the 2018 International Codes and NFPA 70: 2017 NEC® National Electrical Code, and selected standards in one document. The ISEP is organized such that it provides the best and most comprehensive tool for the design, installation and administration of both solar thermal (or solar heating and cooling) and photovoltaic systems.</td>
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<td>Two important referenced standards from ICC-Solar Rating &amp; Certification Corporation (ICC-SRCC™) are included:</td>
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<tr>
<td>· ICC 901/SRCC 100-2015: Solar Thermal Collector Standard</td>
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<td>· ICC 900/SRCC 300-2015: Solar Thermal System Standard</td>
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<td>Additional resources, such as sample solar permitting forms and links to the U.S. Department of Energy solar site, are also included making the 2018 ISEP the single, most comprehensive document for solar energy code provisions and standards in the nation.</td>
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## 2018 Combos & Collections

### 2018 Complete Collection
Soft Cover includes all 15 International Codes in soft cover format.

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### 2018 Designer Collection
Soft Cover includes the International Building, Residential, Fire, Energy Conservation, and Existing Building Codes in soft cover format.

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Loose Leaf includes the International Building, Residential, Fire, and Existing Building Codes in loose leaf format and the International Energy Conservation Code in soft cover format.

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### 2018 Structural Combo
Includes the 2018 IBC and ASCE 7-16 in soft cover format.

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### 2018 Plumbing and HVAC Collection
Soft Cover includes the International Plumbing, Mechanical, Residential, Fuel Gas, Private Sewage Disposal, and Energy Conservation Codes in soft cover format.

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Loose Leaf includes the International Plumbing, Mechanical, Residential, and Fuel Gas Codes in loose leaf format and the International Energy Conservation and Private Sewage Disposal Codes in soft cover format.

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### 2018 Inspector’s Collection
Soft Cover includes the International Building, Residential, Mechanical, Plumbing, Fuel Gas, Energy Conservation, and Existing Building Codes, and the 2017 National Electrical Code® (NEC®) in soft cover format.

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Loose Leaf includes the International Building, Residential, Mechanical, Plumbing, Fuel Gas, and Existing Building Codes in loose leaf format, and the International Energy Conservation Code and 2017 NEC® in soft cover format.

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### 2018 Plumbing Combo
Includes the 2018 IPC and IPSDC in soft cover format.

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* ICC’s Digital Codes feature Premium subscriptions. Single-user, multi-user, monthly, 1-year and 3-year subscriptions are available.
Find It Fast With Turbo Tabs

You’ll be surprised how easy it is to quickly find a code section using Turbo Tabs. With the most commonly used sections of the code printed on each Tab, you can flip through the code or Commentary and find frequently used sections fast! The soft cover versions contain clear plastic, self-adhesive tabs with key sections of the codes printed in an easy-to-read format. The loose leaf versions contain full-page inserts with key sections printed on the tabs.

USE WITH CODES OR COMMENTARIES

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LOOSE LEAF.........(0001TL21) 18.50  14.95

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SOFT COVER.........(0101TS21) 17.50  13.95
LOOSE LEAF.........(0101TL21) 18.50  14.95

2021 IPC
SOFT COVER.........(0201TS21) 17.50  13.95
LOOSE LEAF.........(0201TL21) 18.50  14.95

2021 IMC
SOFT COVER.........(0301TS21) 17.50  13.95
LOOSE LEAF.........(0301TL21) 18.50  14.95

2021 IFC
SOFT COVER.........(0401TS21) 17.50  13.95
LOOSE LEAF.........(0401TL21) 18.50  14.95

2021 IFGC
SOFT COVER.........(0601TS21) 17.50  13.95
LOOSE LEAF.........(0601TL21) 18.50  14.95

2021 IEBC
SOFT COVER.........(0551TS21) 17.50  13.95
LOOSE LEAF.........(0551TL21) 18.50  14.95

2021 IECC
SOFT COVER.........(0801TS21) 17.50  13.95

2021 Complete Collection
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(0011TSB21)............... 133.00  106.00
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(0011TLB21)............... 123.00  98.00

2018 IBC
SOFT COVER.........(0001TS18) 17.50  13.95
LOOSE LEAF.........(0001TL18) 18.50  14.95

2018 IRC
SOFT COVER.........(0101TS18) 17.50  13.95
LOOSE LEAF.........(0101TL18) 18.50  14.95

2018 IPC
SOFT COVER.........(0201TS18) 17.50  13.95
LOOSE LEAF.........(0201TL18) 18.50  14.95

2018 IMC
SOFT COVER.........(0301TS18) 17.50  13.95
LOOSE LEAF.........(0301TL18) 18.50  14.95

B. 2018 IFC
SOFT COVER.........(0401TS18) 17.50  13.95
LOOSE LEAF.........(0401TL18) 18.50  14.95

2018 IFGC
SOFT COVER.........(0601TS18) 17.50  13.95
LOOSE LEAF.........(0601TL18) 18.50  14.95

2018 IEBC
SOFT COVER.........(0551TS18) 17.50  13.95
LOOSE LEAF.........(0551TL18) 18.50  14.95

2018 IECC
SOFT COVER.........(0801TS18) 17.50  13.95

2018 Complete Collection
SOFT COVER, 8 SETS
(0011TSB18)............... 133.00  106.00
LOOSE LEAF, 7 SETS
(0011TLB18)............... 123.00  98.00

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With simple Chapter notations on each tab, these durable self-adhesive tabs can be used with any book with up to 46 chapters. Also includes tabs for appendices and blank tabs for customizing.

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SOFT COVER.........(901TS17) 17.50  13.95

ICC A117.1-2009
SOFT COVER.........(903ST09) 17.50  13.95

2020 National Electrical Code® Tabs
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Title 24 Part 2 Tabs
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Title 24 Part 2.5 Tabs
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LOOSE LEAF.........(5540LT19) 18.50  14.95

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LOOSE LEAF.........(5550LT19) 18.50  14.95

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Title 24 Part 9 Tabs
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For loose leaf For soft cover
### Significant Changes to the 2021/2018 International Codes

Key changes are identified then followed by in-depth discussion of how the change affects real-world application. Coverage reflects provisions with special significance, including new and innovative design ideas and technologies, modern materials and methods of construction, and current approaches to safety and stability. Authored by ICC code experts, these useful tools are “must-have” guides to the many important changes in the 2021 and 2018 International Codes, and accessibility standard ICC A117.1.

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### Significant Changes to the International Building Code

A. 2021 Edition
- SOFT COVER: (7024S21) 50.00
- PDF DOWNLOAD: (8950P901) 45.00

B. 2018 Edition
- SOFT COVER: (7024S18) 50.00
- PDF DOWNLOAD: (8950P785) 45.00

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D. 2018 Edition
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Changes are identified then followed by in-depth discussion of how the change affects real world application. Photos, tables and illustrations further clarify application.

---

**J. Significant Changes to the ICC A117.1 Accessibility Standard, 2017 Edition**

Authored by ICC code expert Jay Woodward, this one-of-a-kind reference will familiarize professionals with the many important accessibility-related changes in the A117.1 standard. (188 pages)

- **SOFT COVER** .............................................(7811S17) 34.95  **27.95**
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**K. 2018 Changes to the Pennsylvania Uniform Construction Code**

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- **SOFT COVER** .............................................(7024S18PA) 31.50  **25.00**
- **PDF DOWNLOAD** .........................(8950P869) 28.50  **22.50**

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**L. Significant Changes to the California Codes, 2019 Edition**

These guides are the perfect tool for transitioning from the 2016 California Building, Residential and Fire Codes to the 2019 editions.

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  - **SOFT COVER** .............................................(5521S19) 48.50  **38.95**
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SOFTWARE + PDF COMBO .....................(3010SP18) 375.00  300.00

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SOFTWARE + PDF COMBO .....................(3410SP18) 243.00  194.00

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SOFTWARE + PDF COMBO .....................(3560SP18) 155.00  124.00

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PDF DOWNLOAD .......................................(872P18) 123.00  98.00
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H. 2018 IMC® Code and Commentary
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SOFTWARE .............................................(3310S18) 136.00  109.00
PDF DOWNLOAD .......................................(873P18) 123.00  98.00
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SOFTWARE .............................................(3610S18) 136.00  109.00
PDF DOWNLOAD .......................................(876P18) 123.00  98.00
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SOFTWARE + PDF COMBO .....................(300CBP18) 1,795.00  1,435.00

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- Preview 2018 Code documents online.
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Contains the complete text of ISEP plus expert commentary added after each I-Code section. ICC-SRCC Standards 100 and 300, and the solar energy provisions from NFPA 70: 2017 NEC® are also included. (360 pages)

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* 2015 edition is also available.

Includes the full text of the ANSI-approved 500-2014 standard and corresponding commentary for each section that explains the background and intent of the requirements, and addresses many items revised or added since the 2008 edition.

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## 2015 Water Efficiency Provisions™ (WEP™) of the International Green Construction Code and Commentary
Contains the complete text of the WEP with expert commentary printed after each I-Code section.

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## ICC A117.1 Standard and Commentary: Accessible and Usable Building and Facilities
Contains the complete text of the accessibility standard with expert commentary printed after each section.

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<td>2017 EDITION SOFT COVER</td>
<td>67.95</td>
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<tr>
<td>2009 EDITION SOFT COVER</td>
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* ICC’s Digital Codes feature Premium subscriptions. Single-user, multi-user, monthly, 1-year and 3-year subscriptions are available.
2018/2015 I-Code Essentials

This helpful series uses a straightforward, focused approach to explore code requirements with non-code language, allowing readers to gain confidence in their understanding of the material. Each book is an invaluable companion guide to the 2018 and 2015 I-Codes for both new and experienced code users.

Each book contains:
- Code provisions essential to understanding the application of the code in a straightforward and easy-to-read format
- Detailed full-color illustrations to enhance comprehension of code provisions
- A user-friendly, concise approach that facilitates understanding of the essential code provisions
- References to corresponding code sections providing added value as companion guides to the 2018 I-Codes
- A glossary of code and construction terms that clarify their meaning in the context of the code

A. Building Code Essentials:
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2015 EDITION
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B. Residential Code Essentials:
Based on the International Residential Code

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SOFT COVER .............................................(4131S15) 38.95 31.95
PDF DOWNLOAD .............................................(8950P597) 35.00 28.00

C. Fire Code Essentials:
Based on the International Fire Code

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SOFT COVER .............................................(4431S18) 39.95 32.95
PDF DOWNLOAD .............................................(8951P012) 35.95 28.75

2015 EDITION
SOFT COVER .............................................(4431S15) 38.95 31.95
PDF DOWNLOAD .............................................(8950P598) 35.00 28.00

D. Energy Code Essentials:
Based on the International Energy Conservation Code

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2015 EDITION
SOFT COVER .............................................(4831S15) 38.95 31.95
PDF DOWNLOAD .............................................(8950P651) 35.00 28.00

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Based on the 2018 International Existing Building Code

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F. Plumbing Code Essentials:
Based on the 2018 International Plumbing Code

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Based on the 2018 International Green Construction Code

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NEW!
MASS TIMBER BUILDINGS AND THE IBC
This first edition provides an overview of requirements for mass timber construction in the 2021 IBC. The book reviews the 2015 IBC’s recognition of cross-laminated timber (CLT), the reorganization of heavy timber provisions in the 2018 IBC, followed by the historic changes in the 2021 IBC and IFC for tall mass timber construction. The 2021 IBC and IFC include important changes in material technologies and their expanded use as proposed by the ICC Ad Hoc Committee on Tall Wood Buildings. Three new types of construction (Types IV-A, IV-B and IV-C) defined and included in the 2021 codes allow the use of mass timber for buildings of taller heights, more stories above grade, and greater allowable areas compared to existing provisions for heavy timber buildings.

Features:
- 100+ full-color photos, illustrations and tables
- “Change Significance” topics offer helpful background regarding code provisions
- Results for five fire tests in a fully furnished structure
- Detailed examples
- Application of energy, sound transmission, structural loads, and other code provisions
- 50 practice questions to help users prepare for ICC certification exams

An incredibly valuable and time-saving reference for architects, engineers, building/fire officials and inspectors. (220 pages)

500+ COLOR ILLUSTRATIONS!
2018 International Building Code Illustrated Handbook
An easy-to-use visual guide to the 2018 IBC
Thoroughly updated to address the provisions of the 2018 IBC, this fully-illustrated guide makes it easy to understand and apply the most critical code provisions. Covering both fire- and life-safety and structural provisions, this practical resource contains hundreds of user-friendly diagrams designed to clarify the application and intent of the IBC®. The Handbook provides all the information needed to get construction jobs done right and achieve compliance. An invaluable companion to the 2018 IBC, it is a must have resource for building officials, architects, engineers, contractors and all building construction professionals. (1,008 pages)

HARD COVER ...........................................(4000S18) 152.00 119.00
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2015 edition is also available.

NEW!
Rain, Snow, and Ice Loads: Time-Saving Methods Using the 2018 IBC and ASCE/SEI 7-16
This practical visual guide by David A. Fanella provides engineers with simplified, step-by-step procedures to determine each load. Specific load types illustrated include ground snow, flat and sloped roof snow, drift loads, sliding snow, ponding instability, ice loads due to freezing rain, wind on ice-covered structures, and more. Real-world examples for each applicable code section are included to illustrate the application of each code provision, and companion online Excel spreadsheets help to calculate loads accurately and efficiently. Figures, flowcharts, and examples help to explain each procedure. (176 pages)

SOFTWARE .............................................(9020S18) 55.00 48.00

Fully updated to the 2018 IBC, the guide pulls out the portions of the building code most relevant for the architect and provides an easy-to-understand interpretation in both words and illustrations. Uniquely marrying the graphic skills of bestselling author Francis D.K. Ching with the code expertise of Steven Winkel, FAIA, the new sixth edition cover such information as: use and occupancy; building heights and areas; types of construction; fire-resistive construction; interior finishes; means of egress; accessibility; energy efficiency; roof assemblies; structural provisions; special inspections and tests; soils and foundations; building materials and systems; and more. (480 pages)

SOFTWARE .............................................(9024S18) 65.00 58.00

INCLUDES SOLUTIONS MANUAL!
Structural Load Determination: 2018 IBC and ASCE/SEI 7-16
Discover how to calculate structural loads within the context of 2018 IBC and ASCE/SEI 7-16 requirements. This practical guide by David A. Fanella contains information engineers need to design buildings that will withstand the forces of gravity, occupancy, and environmental stress. It includes design examples, flowcharts, and load diagrams that illustrate complex load provisions. The book explains the proper application of allowable stress design (ASD), load resistance factor design (LRFD), and seismic load combinations. Chapters cover occupancy, roof, rain, snow, ice, wind, seismic, and tsunami loads. Throughout, emphasis is placed on the proper application of load provisions within the scope of everyday practice. (512 pages)

SOFTWARE .............................................(4034S18) 95.00 76.00
PDF DOWNLOAD .....................................(8950P842) 80.75 64.50
### A. FlashCards: 2018 IBC®
A helpful study tool that provides code users, students and exam candidates with an effective, time-tested method for study and information retention.

FLASHCARDS............................................(1021S18) 25.00 20.00

*See page 29 for more titles in this series.*

### B. 2018 International Building Code® Study Companion
This comprehensive self-study guide’s 18 study sessions provide practical learning assignments and questions. *See page 30 for complete details.*

SOFT COVER............................................(4017S18) 65.00 52.00
PDF DOWNLOAD...........................................(8950P832) 58.50 46.95

2015 and 2012 editions are also available.

*Buy the IBC Study Companion and FlashCards together and save!*

COMBO ..................................................(4017BN18) 85.50 68.50

### C. CodeMaster Series
for the 2018 IBC and referenced standards
These handy, laminated reference guides are packed with valuable information such as easy-to-follow multi-step procedures and helpful illustrations.

- **Strength Design for Masonry (2018 IBC and TMS 402-16)**
  8 PAGES ....................................................(9614S18) 19.00 15.20
- **Allowable Stress Design for Masonry (2018 IBC)**
  8 PAGES ....................................................(9516S18) 19.00 15.20
- **Structural Wood Design ASD/LRFD (2018 IBC, ASCE 7-16, 2018 NDS)**
  6 PAGES ....................................................(9625S18) 17.00 13.60
- **Flood Resistant Design (2018 IBC, 2018 IRC, ASCE 7-16, ASCE 24-14)**
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- **Seismic Design (2018 IBC and ASCE 7-16)**
  6 PAGES ....................................................(9294S18) 17.00 13.60
- **Seismic Design Category (2018 IBC, ASCE 7-16)**
  2 PAGES ....................................................(9027S18) 7.00 5.60
- **Design for Snow Loads (2021 and 2018 IBC, ASCE 7-16)**
  6 PAGES ....................................................(9614S18) 16.00 12.80

### D. Deck Construction: Based on the 2018/2021 International Residential Code
This updated edition is the most comprehensive deck code and commentary publication available. It contains provisions for decks from both the 2018 and 2021 IRC. Alongside the reprinted IRC sections, tables, and figures, the book contains unique commentary with instructional photos and illustrations to help readers understand the intent and purpose behind the code provisions. Deck contractors, designers, homebuilders, plan reviewers, inspectors, manufacturers and others can easily access and learn the minimum standards of deck construction. More than a “how to” guide for deck building, the book is a valuable guide for deck code compliance intended for those already familiar with basic deck construction.

SOFT COVER ............................................(4140S21) 49.95 39.95
PDF DOWNLOAD ...........................................(8950P909) 44.95 35.95

Although it is of critical importance when designing, performing plan review, building or inspecting a structure, wall bracing is a common source of confusion and misapplication. This illustrative guide was developed to help building designers, builders, building officials and others using the code in the application of the lateral bracing requirements of the 2018 IRC.

Topics covered include:

- Understanding wind and seismic forces on a house
- History of bracing and how it works
- Learning the “language” of bracing
- The physical limits under which bracing can be used
- Bracing options available to the builder/designer
- Rules for the use of bracing
- Determining how much bracing is required with adjustments and variations
- Connection details for bracing units
- Cripple walls and foundations
- Special bracing provisions for stone and masonry veneer
- Whole house considerations

The guide is jointly published by ICC and APA – The Engineered Wood Association with the shared goal of promoting the accurate understanding and correct application of the IRC for safer buildings and communities. (265 pages)

SOFT COVER ............................................(7102S18) 44.00 35.25
PDF DOWNLOAD ...........................................(8799P18) 39.50 31.50

*2015 edition also available.*
FROM NAHB AND ICC! 100+ ILLUSTRATIONS!

I. 2018 Home Builders’ Jobsite Codes:
A Quick Guide to the 2018 IRC
This user-friendly pocket guide to the IRC discusses the impact of 2018 code changes to fire-resistant walls separating townhouses, emergency escape and rescue openings in basements, safety glazing adjacent to doors and bottom stair landings, and more. This new edition by ICC code expert Steve Van Note also updates requirements for smoke alarms and carbon monoxide alarms, and introduces helpful wood deck provisions. It includes more than 100 detailed illustrations and useful tables and discussion of: foundations; fire safety; energy efficiency; mechanical, plumbing and electrical systems; and safe and healthy living environments; and more. (372 pages)

SOFT COVER .............................................(7103S18) 23.95 21.95

2015 edition also available.

NEW EDITION!

Your ideal resource for effective, accurate, consistent, and complete fire inspections. The Inspector’s Guide provides a comprehensive review of the 2018 IFC organized in a manner consistent with the inspection sequence for easy use on site. It is developed to increase inspection effectiveness and consistency by focusing on the most important provisions. This pocket-sized reference with spiral binding and durable laminated cover is ideal for everyday use.

SOFT COVER .............................................(4401S18) 23.95 19.00
PDF DOWNLOAD .......................................(8748P18) 21.50 17.25

K. 2018 International Fire Code® Study Companion
See page 30 for complete details and special savings on combos. (560 pages)

SOFT COVER .............................................(4407S18) 60.00 48.50
PDF DOWNLOAD .......................................(8950P834) 54.00 43.75

2015 and 2012 editions are also available.

FlashCards: 2018 IFC®
A helpful study tool that provides code users, students and exam candidates with an effective, time-tested method for study and information retention. The set includes easy-to-use FlashCards that are prepared and reviewed by code experts to ensure accuracy and quality.

FLASHCARDS..............................................(1421S18) 23.00 18.95
See page 29 for more titles in this series.

Buy the IFC Study Companion and FlashCards together and save!
COMBO ...................................................(4407BN18) 78.95 64.00
This practical guide shows, step by step, how to apply the provisions of the 2018 IEBC when carrying out repairs, alterations, additions, changes in occupancy, and detailed evaluations for buildings of all sizes. Author Chris Kimball, SE, MCP, CBO, compiles all the information needed to understand the IEBC provisions and apply them properly to meet structural, fire, accessibility, and other code-related requirements. It begins with an overview of the IEBC, permits, construction documents, and other administrative requirements. It goes on to explain the three different compliance methods that can be followed under the IEBC. Throughout, diagrams, flowcharts, and illustrated examples clearly demonstrate the proper application of the code. Coverage includes:

- Common provisions
- Repairs
- Prescriptive method
- Work area method
- Performance compliance method
- Relocated buildings
- Construction safeguards
- IEBC appendices

NEW!

D. Complete Revision History to the 2021 IPC and IMC: Successful Changes And Public Comments
A valuable collection that greatly simplifies researching the history of a new, revised or deleted code section from 2018 to 2021. Available now in PDF download, it collects all changes that occurred and includes the original proposal with the reason statement, committee action, and final action documentation in a single source providing a great resource for adopting jurisdictions and supporting the intended interpretation of new and revised code sections. (520 pages)

PDF DOWNLOAD .................................(8950P831) 23.00  18.00

NEW EDITION!

E. Plumbing Venting: Decoding Chapter 9 of the IPC®, Second Edition
This in-depth illustrated manual by Master Plumber Bob Scott examines various venting methods and includes discussion and application of venting methods in the IPC and IRC. This insightful guide shows correct and incorrect examples of common venting, horizontal and vertical wet-venting, combination waste and vent, circuit venting, single stack venting and more based on the criteria established in chapter 9 of the 2021 IPC and Chapter 31 of the 2021 IRC, as well as the 2015 and 2018 editions of the IPC and IRC. It discusses the nuances of each method in detail and gives many examples of how and where to use each method. A must-have guide for any designer, installer, plan examiner, inspector or plumbing professional.

SOFT COVER .................................(9208S2) 54.00  43.00
PDF DOWNLOAD .................................(8950P908) 48.50  38.50

2018 International Code Study Companions
The Study Companion study sessions provide practical learning assignments and questions summarizing key points for study. See page 30–31 for complete details and special savings on combos.

2018 IPC® Study Companion
SOFT COVER .....................................(4217S18) 57.00  45.75
PDF DOWNLOAD .................................(8950P837) 51.00  41.00

F. 2018 IMC® Study Companion
SOFT COVER .....................................(4317S18) 57.00  45.75
PDF DOWNLOAD .................................(8950P836) 51.00  41.00

2018 IFGC® Study Companion
SOFT COVER .....................................(4607S18) 53.00  42.50
PDF DOWNLOAD .................................(8950P835) 48.00  38.25

2018 IECC® Study Companion
SOFT COVER .....................................(4807S18) 53.00  42.50
PDF DOWNLOAD .................................(8950P833) 48.00  38.25

2015 and 2012 editions are also available.
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Helpful study tools that provide code users, students and exam candidates with an effective, time-tested method for study and information retention. Each set includes easy-to-use FlashCards that are prepared and reviewed by code experts to ensure accuracy and quality. **See page 30–31 for special savings on combos.**

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- **2018 IMC® FLASHCARDS** (1321S18) 21.00 **16.95**
- **2018 IPC® FLASHCARDS** (1221S18) 21.00 **16.95**
- **2018 IECC® FLASHCARDS** (1821S18) 19.00 **15.00**

**H. Energy Efficiency Certificate Stickers**
The energy provisions in IRC® Section N1101.8 and IECC® Section 401.3 require a type of certificate be installed. This sticker clearly lists the general insulation, window performance, and equipment efficiency details.

**SET OF 25 STICKERS** (0726S2) 24.99 **19.99**

**I. Complete Revision History to the 2018 I-Codes®: Successful Changes and Public Comments**
Available now in PDF download, this valuable collection greatly simplifies researching the history of a new, revised or deleted code section from 2015 to 2018. It collects all changes that occurred in the 2018 IBC®, IRC®, IEBC®, IECC®, IFC®, IMC® and IPC®.

For each successful change, the book includes:
- the original proposal with proponent’s reason
- committee action with any modification
- any public comments made
- final action documentation

The book compiles the proponent’s original reason for the change, unabridged statements that substantiated code development committee actions and the complete documentation for any public comment that was considered prior to final action on the change. (3,309 pages)

**PDF DOWNLOAD** (8950P830) 87.50 **69.95**

**J. 2018 International Code Interpretations**
This publication is a compilation of interpretations applicable to the 2018 International Building, Energy Conservation, Existing Building, Fire, Fuel Gas, Mechanical, Plumbing, Residential, and Swimming Pool and Spa Codes. For convenience, the book is organized by code and code section, and includes applicable code text with each interpretation. (250 pages)

**PDF DOWNLOAD** (8950P863) 36.00 **28.95**

**K-L. 2018 Plan Review Records**
A thorough checklist of applicable code sections from the 2018 International Codes® and references to other applicable standards. The Plan Review Records are an essential resource to conduct detailed, consistent plan reviews. Sold in sets of 10.

- **K. International Building Code®**
  - CHECKLIST (0002PR18) 20.00 **15.00**
  - PDF DOWNLOAD (8800P18) 44.95 **35.95**

- **International Residential Code®**
  - CHECKLIST (0102PR18) 20.00 **15.00**
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- **International Fire Code® Sprinkler**
  - CHECKLIST (0402PR18) 20.00 **15.00**
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- **L. International Mechanical & Fuel Gas Codes**
  - CHECKLIST (0302PR18) 20.00 **15.00**
  - PDF DOWNLOAD (8830P18) 44.95 **35.95**

- **International Plumbing Code®**
  - CHECKLIST (0202PR18) 20.00 **15.00**
  - PDF DOWNLOAD (8820P18) 44.95 **35.95**

- **ICC A117.1-09 (as referenced in the 2018 IBC®)**
  - CHECKLIST (0004PR18) 20.00 **15.00**
  - PDF DOWNLOAD (8822P18) 44.95 **35.95**

- **International Energy Conservation Code®**
  - CHECKLIST (0802PR18) 20.00 **15.00**
  - PDF DOWNLOAD (8880P18) 44.95 **35.95**

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  - CHECKLIST (0982PR17) 20.00 **15.00**
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**BUY THEM TOGETHER AND SAVE!**
**2018 Plan Review Records Combo Pack**
- CHECKLIST (002PRB18) 152.00 **114.00**
- PDF DOWNLOAD (8805P18) 342.00 **274.00**

**2015 editions are also available.**

Since 1961, the A117.1 Standard has been at the forefront of creating a built environment open to everyone. The specifications in this standard enable people with physical disabilities to independently access and use sites, facilities, buildings and elements. Key changes in the 2017 edition apply to:

- clear floor space, turning space and the accessible route, increasing maneuverability for users of powered wheelchairs and scooters.
- the accessible route through a parking lot.
- charging of powered wheelchairs when parked for duration.
- spaces for sign language interpreter stations and sign language video booths.
- electric vehicle charging stations.
- water bottle filling stations.
- classroom acoustics.

2017 Edition (200 pages)
SOFT COVER .............................................(9033S17) 49.95 39.95
PDF DOWNLOAD .......................................(8722P17) 44.95 35.95
SOFT COVER + TURBO TABS ...................(9033ST17) 62.50 50.00
SOFT COVER + SIGNIFICANT CHANGES (7811BN17) 75.50 60.50

2009 Edition (120 pages)
SOFT COVER .............................................(9033S09) 48.95 39.00
PDF DOWNLOAD .......................................(8722P09) 44.00 35.00

B. ICC 300-2017: Bleachers, Folding and Telescopic Seating, and Grandstands

This ANSI-approved standard contains comprehensive regulations for the design, inspection and construction of new and existing installations. (32 pages)

SOFT COVER .............................................(9181S17) 33.95 27.00
PDF DOWNLOAD .......................................(8745P17) 30.50 24.50


This Standard provides a consistent, uniform methodology for evaluating and labeling the energy performance of residences (dwelling units and sleeping units). This 2019 edition has expanded to include rating procedures for dwelling and sleeping units in buildings of any height. The methodology compares the energy performance of an actual residence with the energy performance of a reference version of the same geometry, resulting in a relative energy rating called the Energy Rating Index. Where the actual residence requires no net purchased energy annually, the Energy Rating Index is zero.

SOFT COVER .............................................(7028S19) 37.50 30.00
PDF DOWNLOAD .......................................(8950P859) 33.75 27.00

NEW!


This Standard establishes the procedures, tolerances, and record keeping practices for evaluating and grading elements of a HVAC system's design and installation. It is intended to support consistency in energy rating and labeling and is intended for use by home energy raters, energy auditors, or HVAC contractors. The Standard applies to Unitary HVAC systems and is comprised of five tasks: a design review, a total duct leakage test, a Blower Fan volumetric airflow test, a Blower Fan watt draw test, and a non-invasive evaluation of refrigerant charge. (170 pages)

SOFT COVER .............................................(9300S20) 37.50 30.00
PDF DOWNLOAD .......................................(9300P20) 33.75 27.00

D. ANSI/RESNET/ICC 380-2019: Standard for Testing Airtightness of Building, Dwelling Unit, and Sleeping Unit Enclosures; Airtightness of Heating and Cooling Air Distribution Systems; and Airflow of Mechanical Ventilation Systems

Provides a consistent, uniform methodology for evaluating the airtightness of dwelling and sleeping unit enclosures, the airtightness of heating and cooling air distribution systems, and the airflow of mechanical ventilation systems. These test procedures can be used for building diagnostics, for quality assurance and control, for determining compliance with codes and standards, and for determining input to energy simulation models for energy ratings. This 2019 edition has expanded to include testing procedures for enclosures and systems of Dwelling and Sleeping Units in buildings of any height.

SOFT COVER .............................................(7029S19) 28.00 22.50
PDF DOWNLOAD .....................................(8950P860) 25.25 20.25


Addresses issues integral to log construction including production, structural aspects, thermal envelope, and settlement. This ANSI-approved standard offers a solid reference for design, construction, and installation requirements for log structures. (76 pages)

SOFT COVER .............................................(7017S17) 39.00 31.00
PDF DOWNLOAD .....................................(8950P829) 35.00 28.00

Published by ICC and the National Storm Shelter Association, this ANSI-approved standard provides minimum design and construction requirements for storm shelters that provide a safe refuge from storms producing high winds, hurricanes, and tornadoes. This standard provides design requirements for the main wind-resisting structural system and components and cladding of these shelters, and provides basic occupant life safety and health requirements for these shelters including means of egress, lighting, sanitation, ventilation, fire safety, and floor space. (50 pages)

SOFT COVER .............................................(7026S14) 33.95  27.00
PDF DOWNLOAD ......................................(8850P14) 30.50  24.00
See page 17 for ICC 500 Standard and Commentary.

ICC 600-2014: Standard for Residential Construction in High-Wind Regions

Provides wind resistant designs and construction details for residential buildings of masonry, concrete, wood-framed or cold-formed steel framed construction sited in high wind regions. It contains prescriptive requirements and other details of construction for buildings sited in wind climates of 120 to 180 mph in 10 mph increments. It provides an adoptable, contemporary set of prescriptive requirements that supplement the IRC provisions. (218 pages)

SOFT COVER .............................................(7027S14) 37.00  29.50
PDF DOWNLOAD ......................................(8747P14) 33.00  26.50

NEW EDITION!

G. ICC 700-2020: National Green Building Standard

Outlines a variety of green design and construction practices that can be incorporated into single-family, multifamily, and mixed-use buildings, either for new construction or remodeling. The standard also includes green practices for land development projects as well as assisted living facilities, residential board and care facilities, and group homes. It includes high-performance building practices in six areas: Lot Design and Development, Resource Efficiency, Water Efficiency, Energy Efficiency, Indoor Environmental Quality, and Building Operation & Maintenance. The NGBS has four primary certification levels—Bronze, Silver, Gold and Emerald, providing residential building professionals options to integrate sustainability and high performance into their projects at an appropriate level.

SOFT COVER .............................................(9551S20) 21.95  19.95
PDF DOWNLOAD ......................................(8950P892) 19.75  17.95

ASABE/ICC 802-2014: Landscape Irrigation Sprinkler and Emitter Standard

This ANSI-approved standard from the American Society of Agricultural and Biological Engineers (ASABE) and ICC addresses the design, features, performance and testing of sprinklers, bubblers and emitters used in landscape irrigation systems.

SOFT COVER .............................................(9657S14) 36.00  28.95
PDF DOWNLOAD ......................................(8950P659) 32.50  26.00


Addresses use of rainwater in non-potable applications (e.g., irrigation, fire protection, toilet flushing, clothes washing, hose bibs, decorative fountains, and vehicle washing) and potable applications (e.g., human consumption, oral care, food preparation, dishwashing, and bathing). In this standard, “rainwater harvesting” refers to harvesting of either roof runoff or stormwater runoff. (94 pages)

SOFT COVER .............................................(7056S18) 128.00  102.00
PDF DOWNLOAD ......................................(8950P843) 115.00  92.00

NEW!


Provides a consistent, uniform methodology for evaluating, quantifying, and labeling the water use performance of one- and two-family dwellings. The methodology compares the water use performance of an actual home (rated home) with the water use performance of a reference home of the same geometry, resulting in a relative Water Use Rating called the Water Rating Index (WRI).

SOFT COVER .............................................(7038S20) 28.00  22.50
PDF DOWNLOAD ......................................(8950P883) 25.25  20.25

J. ICC 900/SRCC 300-2015: Solar Thermal System Standard

Establishes minimum criteria for the design and installation of solar thermal systems. It describes the requirements and methodology for solar thermal system design and evaluation. (28 pages)

SOFT COVER .............................................(7055S15) 33.95  27.00
PDF DOWNLOAD ......................................(8950P708) 30.50  24.50

ICC 901/SRCC 100-2015: Solar Thermal Collector Standard

This standard establishes minimum criteria for the design, manufacture and testing of solar thermal collectors. It addresses a wide range of solar thermal collectors, including flat panel, evacuated tube, concentrating, integrated storage and unglazed. The standard incorporates the provisions of SRCC Standard 600 to create a single standard addressing the widest possible range of solar thermal collectors. (32 pages)

SOFT COVER .............................................(7056S15) 27.75  22.00
PDF DOWNLOAD ......................................(8950P709) 24.95  19.95


Establishes minimum criteria for the design and installation of solar water heating systems for pool and spa applications. It addresses both residential and commercial pools and spas, consistent with the requirements of ICC’s ISPSC and other relevant APSP/ICC standards for these applications. This standard builds upon ICC 900/SRCC 300. (32 pages)

SOFT COVER .............................................(4802S17) 39.95  31.95
PDF DOWNLOAD ......................................(8814P17) 35.95  28.75
NEW!


This first-edition standard establishes minimum physical property and performance requirements for spray-applied polyurethane foam plastic thermal insulation in order to demonstrate compliance with the intent of the model building codes for a variety of construction applications. This standard also establishes basic installation requirements. It applies to single- and multiple-component spray-applied polyurethane foam plastic insulation intended for use in a variety of nonstructural building construction applications.

SOFT COVER .............................................(7019S19) 28.00 22.50
PDF DOWNLOAD ..............................................(8950P785) 25.25 20.25

**ICC Guidelines**

B. **ICC G4-2018: Guideline for Commissioning**

Guides the code official or regulator in implementation and enforcement of commissioning, either with in-house staff or the use of a third party. This guideline can be adopted in whole or in part by the authority having jurisdiction (AHJ) for use with codes and standards that require commissioning including the IgCC. (100 pages)

SOFT COVER .............................................(7054S18) 49.95 39.95
PDF DOWNLOAD ..............................................(8950P849) 44.95 35.95

C. **ICC G5-2019: Guideline for the Safe Use of ISO Intermodal Shipping Containers Repurposed as Buildings and Building Components**

New or used, containers are now regularly repurposed and converted into IRC and IBC occupancy uses. As a building material, the applications are widely diverse as is the extent to which the container is used as a structural building element. This Guideline is intended to help state and local jurisdictions as well as owners, architects, builders and engineers in their assessment as to how to design, review and approve shipping containers as a building element. (48 pages)

SOFT COVER .............................................(4702S19) 29.95 23.95
PDF DOWNLOAD ..............................................(8950P857) 26.95 21.50

**SES 2: 2011, Model Procedure for the Development of Standards**

Contains all of the essential requirements of due process that a credible standards development organization should consider. The procedure was revised according to a test case through the ANSI Executive Standards Council. (18 pages)

SOFT COVER .............................................(9634S11) 35.00 25.00
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**SES 3: 2016, Recommended Practice for Joint Standards Development**

Outlines the key components of a Joint Standards Agreement and a recommended process for managing the development of Joint Standards. (16 pages)

PDF DOWNLOAD ..............................................(8950P753) 35.00 25.00

D. **ASTM Masonry Standards for the Building Industry, 8th Edition**

With 11 new standards, 25 updated standards and 112 total standards, the new compilation is a powerful technical resource for designers, manufacturers, engineers, architects, specifiers, professors, and consultants involved in production, design, or testing of masonry products or assemblies. The publication provides specifications for products such as hollow and solid load-bearing concrete masonry units, building brick, paving brick, concrete brick, concrete paving units, masonry cement, mortar cement, mortar and grout. (650 pages)

A limited supply is available.


HARD COVER .............................................(9206S15) 400.00 201.00

14th edition also available.

Also available:
- ICC G1-2010: Guideline for Replicable Buildings
- ICC G2-2010: Guideline for Acoustics
- ICC G3-2011: Global Guideline for Practical Public Toilet Design
NEW EDITION!

F. ACI 318-19: Building Code Requirements for Structural Concrete And Commentary
Provides minimum requirements for the materials, design, and detailing of structural concrete buildings and, where applicable, nonbuilding structures. This Code addresses structural systems, members, and connections, including cast-in-place, precast, shotcrete, plain, non-prestressed, prestressed, and composite construction.

SOFT COVER .............................................(9021S19) 254.00 169.00
2014 edition also available.

G. ASCE/SEI 7-16: Minimum Design Loads and Associated Criteria for Buildings and Other Structures
ASCE 7-16 describes the means for determining design loads including dead, live, soil, flood, tsunami, snow, rain, atmospheric ice, earthquake, wind, and fire, as well as how to assess load combinations. Significant changes include: new seismic maps, new wind speed maps, new snow load maps, updated rain duration provisions, a new chapter on tsunami design provisions, and a new appendix provisions for fire design. Standard provisions are accompanied by a detailed commentary.

ASCE/SEI 24-14: Flood Resistant Design and Construction
Provides minimum requirements for flood-resistant design and construction of structures located in flood hazard areas. (80 pages)

ASCE/SEI 41-17: Seismic Evaluation and Retrofit of Existing Buildings
Presents a three-tiered process for seismic evaluation according to a range of building performance levels by connecting targeted structural performance and the performance of nonstructural components with seismic hazard levels. The deficiency-based procedures allow evaluation and retrofit efforts to focus on specific potential deficiencies deemed to be of concern for a specified set of building types and heights. (550 pages)

ASCE/SEI 55-16: Tensile Membrane Structures
Minimum criteria for the analysis, design, and performance of membrane-covered cable and rigid member structures, collectively known as tensile member structures. This updated edition includes both LRFD and ASD load combinations.

SOFT COVER .............................................(9028S16) 216.00

TMS 402/602-16 Building Code Requirements and Specification for Masonry Structures
Contains two standards and their commentaries: Building Code Requirements for Masonry Structures (TMS 402-16) and Specification for Masonry Structures (TMS 602-16). These standards are produced by The Masonry’s Society’s Committee TMS 402/602.

SOFT COVER .............................................(9026S16) 150.00 135.00
2013 edition also available.

I. 2018 NDS Wood Design Package
This three-volume set includes the code-recognized National Design Specification (NDS) for Wood Construction (2018 Edition). It includes design information and examples for wind and seismic conditions, sawn lumber, structural glued laminated timber, structural-use panels, shear walls and diaphragms, poles and piles, I-joists, structural composite lumber, structural connections (nails, bolts, screws) and cross-laminated timber. This package includes:

· NDS for Wood Construction, 2018 Edition, with Commentary
· NDS Supplement: Design Values for Wood Construction
· 2015 Special Design Provisions for Wind and Seismic (SDPWS)

PDF DOWNLOAD ....................................(8950P682) 150.00 135.00
2015 edition also available.

I. ANSI/AWC SDPWS-2015: Special Design Provisions for Wind and Seismic
Provides criteria for proportioning, designing, and detailing engineered wood systems, members, and connections in lateral force resisting systems. Engineered design of wood structures to resist wind or seismic forces is either by allowable stress design (ASD) or load and resistance factor design (LRFD). Nominal shear capacities of diaphragms and shear walls are provided for reference assemblies. (56 pages)

ASCE/SEI 318-19: Building Code Requirements for Structural Concrete And Commentary
Provides minimum requirements for the materials, design, and detailing of structural concrete buildings and, where applicable, nonbuilding structures. This Code addresses structural systems, members, and connections, including cast-in-place, precast, shotcrete, plain, non-prestressed, prestressed, and composite construction.

SOFT COVER .............................................(9508S16) 80.00 72.00

2015 edition also available.
NEW EDITION!
This edition incorporates 100+ addenda to the 2016 edition. This standard provides minimum energy-efficient requirements for the design and construction, and a plan for operation and maintenance of: new buildings and their systems, new portions of buildings and their systems, new systems and equipment in existing buildings, and new equipment or building systems specifically identified in the standard that are part of industrial or manufacturing processes. (424 pages)
SOFT COVER..........................................(9568S19) 165.00 129.00
2016 edition also available.

Features more than 150 completely new systems as well as an expanded section on sound control. Altogether it contains more than 700 fire- and sound-rated systems, with information including: walls and interior partitions; shaft walls and exterior walls; area separation fire walls; floor-ceiling and roof-ceiling systems; horizontal membrane systems; column, beam, girder, and truss protection systems; and much more. (390 pages)
SOFT COVER..........................................(9401S18) 59.95 53.95

NEW EDITION!
C. NFPA 72® 2019: National Fire Alarm and Signaling Code
Update to the most advanced provisions ever developed for the application, installation, location, performance, and inspection, testing, and maintenance of fire alarm and emergency communications systems including Mass Notification Systems (MNS). This edition features important updates for designers, installers, and AHJs—from added testing requirements for Energy Storage Systems (ESS), to new requirements for HVLS fans and air-sampling smoke detectors. In a major change to scope, NFPA 72 now addresses carbon monoxide protection, incorporating material previously found in NFPA 720. Other key changes address occupant evacuation, areas of refuge, and VRLA batteries. (369 pages)
SOFT COVER..........................................(9435S19) 115.00 106.00
2016 edition is also available.

NEW EDITION!
Access safety requirements for all liquefied petroleum gas (propane) installations to help protect homes, businesses, and industrial settings from LP-Gas hazards. Key changes to the 2020 edition include new and revised requirements and procedures accounting for cutting-edge LP-Gas technology and the latest safety protocols and best practices. (163 pages)
SOFT COVER..........................................(9434S20) 76.00 72.00
2017 edition is also available.

NEW EDITION!
E. NFPA 13® 2019: Standard for the Installation of Sprinkler Systems
NFPA 13 is reorganized from cover to cover, creating clear separations in subject matter and a more logical flow for sprinkler system planning and design. This edition makes it easier to locate and apply the latest requirements for automatic sprinkler system design, installation, and acceptance testing; hanging and bracing systems; underground piping; and seismic protection. Content is organized logically by sprinkler technology, storage method, commodity, and how you perform your job. Chapter titles are more descriptive and reflect the terminology in use today, while duplicate content was removed to help eliminate confusion. A section-to-section number comparison of the 2016 edition to the 2019 edition helps you navigate the reorganized Standard. (576 pages)
SOFT COVER..........................................(9406S19) 122.00 115.00
2016 edition is also available.

NEW EDITION!
NFPA 13D® 2019: Standard for the Installation of Sprinkler Systems in One- and Two-Family Dwellings and Manufactured Homes
Automatic sprinklers help reduce the risk of dying in a home fire by about 80% while significantly protecting against property loss. The 2019 edition of NFPA 13D, Standard for the Installation of Sprinkler Systems in One- and Two-Family Dwellings and Manufactured Homes, features up-to-date criteria addressing every aspect of sprinkler design, water supplies, equipment, and placement. Revisions in NFPA 13D address gaps in coverage and clarify requirements, so you can make homes safer from fire and related hazards. Installers and contractors need the revised 2019 edition NFPA 13D to address different types of construction, work with the latest technologies, and help reduce risks while maximizing efficiency. (68 pages)
SOFT COVER..........................................(9430S19) 60.00 57.00
2016 edition is also available.

NEW EDITION!
NFPA 13R® 2019: Standard for the Installation of Sprinkler Systems in Low-Rise Residential Occupancies
Includes comprehensive requirements governing system installation, including water supply and system acceptance. Installers and contractors need the 2019 edition of NFPA 13R to complete jobs correctly, work with the latest technologies, and reduce risks while maximizing efficiency. This 2019 edition includes a reorganized and expanded Chapter 9, Water Supplies, with domestic demand tables moved from the annex to the body of the Standard. The Standard also has new images clarifying sprinkler location and clearances needed around fireplaces. (47 pages)
SOFT COVER..........................................(9431S19) 54.00 51.00
2016 edition is also available.
FlashCards: The study tools you’ve been waiting for!

These helpful study aids provide code users, students and exam candidates with an effective, time-tested method for study and information retention. FlashCards are powerful learning tools that can help any student at any level.

- Professionally designed
- Easy to read
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- Low cost, high-value study aids
- Prepared and reviewed by code experts to ensure accuracy and quality

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2018 IFGC® ................................................(1621S18) 21.00 16.95
2018 IECC® .................................................(1821S18) 19.00 15.00

2015 and 2012 editions are also available.

A. Masonry Inspector's Workbook, Tenth Edition
This workbook compiles questions developed from material in the Reinforced Concrete Masonry Construction Inspector's Handbook Tenth Edition (see page 37), with an answer key cross-referenced to the material in the handbook. Those preparing for the ICC Structural Masonry Special Inspector certification examination will find this workbook to be an invaluable self-study guide or as a supplement to a classroom environment. (140 pages)

SOFT COVER .............................................(9366S10) 29.95 26.95
PDF DOWNLOAD .....................................(8950P840) 28.00 22.50

A-B. SAVE when you buy the Handbook and Workbook together!
SOFT COVER .............................................(9086BN10) 68.95 62.00
PDF DOWNLOAD .....................................(8950P841) 65.00 52.00

9th editions also available.
Study Companion Series
Based on the 2018 International Codes®

ICC’s Study Companions are the ideal way to master the code for everyday application or to prepare for exams. Each comprehensive study guide provides practical learning assignments for independent study. Study Companions can also be used as part of instructor led programs in the workplace, college courses, or vocational training programs.

The Study Companions are organized into study sessions and include learning objectives, key points for review, code text, hundreds of illustrations and commentary applicable to the specific topic. Each study session includes a helpful quiz that allows the learner to measure their level of knowledge. Each Study Companion’s answer key lists the code section referenced in each question for further information. 2015 and 2012 editions are also available.

A. 2018 International Building Code® Study Companion
Addresses fundamental requirements found throughout the 2018 IBC®, including occupancy classification, types of construction, fire protection systems, fire-resistance-rated construction, and means of egress.
- 18 study sessions
- 630 total study questions with answer key

Great resource for Certification exams: Commercial Building Inspector, Building Plans Examiner, Certified Building Official, Fire Inspector I and II, or Fire Plans Examiner

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B. 2018 International Residential Code® Study Companion
Addresses occupancy classification, types of construction, fire protection systems, fire-resistance-rated construction, and means of egress.
- 18 study sessions
- 630 total study questions with answer key

Great resource for Certification exams: Residential Building Inspector, Residential Electrical Inspector, Residential Mechanical Inspector, Residential Plumbing Inspector, Residential Plans Examiner, or Property Maintenance and Housing Inspector

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C. 2018 International Fire Code® Study Companion
Addresses occupany classification, types of construction, fire protection systems, fire-resistance-rated construction, means of egress, and more.
- 18 study sessions
- 584 total study questions with answer key


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D. 2018 International Plumbing Code® Study Companion
Addresses numerous topics of the 2018 IPC, including general regulations, fixtures, water supply and distribution, sanitary drainage, and vents.
- 15 study sessions
- 375 total study questions with answer key

Great resource for Certification exams: Commercial Plumbing Inspector, or Plumbing Plans Examiner

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E. 2018 International Mechanical Code® Study Companion
Addresses numerous topics of the 2018 IMC®, including equipment and appliance installation, exhaust and duct systems, combustion air, chimneys and vents, specific appliances, and refrigeration.
- 15 study sessions
- 375 total study questions with answer key

Great resource for Certification exams: Commercial Mechanical Inspector or Mechanical Plans Examiner

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F. 2018 International Fuel Gas Code® Study Companion
Addresses numerous topics of the 2018 IFGC®, including fuel gas piping systems, combustion and ventilation air, chimneys and vents, gaseous hydrogen systems and other general regulations.
- 10 study sessions
- 250 total study questions with answer key

Great resource for Certification exams: Commercial Mechanical Inspector, Commercial Plumbing Inspector, Mechanical Plans Examiner, Plumbing Plans Examiner

SOFT COVER.................................(4607S18) 53.00 42.50
PDF DOWNLOAD.............................(8950P835) 48.00 38.25
SOFT COVER/FLASH CARDS COMBO....(4607BN18) 70.75 56.50
Floor assemblies, not required elsewhere in this code to be fire-resistance rated, shall be

G. 2018 International Energy Conservation Code® Study Companion
Addresses both residential and commercial provisions. Particular emphasis is placed on energy design data, climate zones, calculations, exterior thermal envelope, fenestration, lighting, controls, ducts, HVAC systems, and total building performance.

- 10 study sessions
- 200 total study questions with answer key

J. 2015 Accessibility Study Companion
Provides a comprehensive review of the accessibility provisions in the 2015 IBC® and ICC A117.1-2009. (500 pages)

- 18 study sessions
- 430 total study questions with answer key

H. 2018 Permit Technician Study Companion
Study sessions focus specifically on the permitting process, including applicable 2018 IBC® information on administration, occupancy groups and types of construction, as well as sign and zoning requirements of the 2018 IZC®. Legal Aspects of Code Administration and Basic Code Enforcement are also referenced.

- 14 study sessions
- 350 total study questions with answer key

2018 IRC Sections R301 and R302
Building Planning I

Quiz

- Clear learning objectives
- Code commentary on each topic
- Fully illustrated
- Helpful quizzes
A. Basic Code Enforcement, Second Edition
Introduces the reader to the basic concepts of building construction codes and the day-to-day operations of building safety departments. This fully illustrated and updated book is an essential resource for permit technicians and anyone beginning or advancing a career as an inspector, zoning officer, plans examiner, code official, code enforcement officer or other employee of a code enforcement department. It is also designed as a resource for those preparing to take the Permit Technician and Master Code Official certification exams. The easy-to-follow content begins with an overview of codes and their importance in protecting the health, safety and welfare of the public, and then progresses through the various functions of building and zoning departments including the typical details of the plan review, permitting and inspection process. More than 110 tables and figures illustrate the various topics. Quizzes in each chapter enable users to test their knowledge of the content. Appendix chapters provide the ICC code development procedures and the IBC plan review checklist.

Improved features of this updated Second Edition:
- Reformatted and reorganized text to improve understanding
- Updated procedures and forms to reflect typical operations of modern building departments
- More than 40 new or revised figures and tables to clarify the concepts

Topics include:
- History, evolution, purpose and development of model construction codes
- Building department operations and the duties of key personnel
- The adoption and implementation of building and zoning ordinances
- Plan reading, construction documents and the plan review process
- The permitting process, establishing fees and conducting inspections

(278 pages)

SOFT COVER.................................(1016S18) 49.95 39.95
PDF DOWNLOAD..........................(8950P856) 47.50 38.00

B. Human Resources Management for Public and Nonprofit Organizations, 4th Edition
This go-to reference for public and nonprofit human resources professionals has been significantly revised and updated to include information that reflects changes in the field due to the economic crisis, changes in federal employment laws, how shifting demographics affect human resources management, the increased use of technology in human resources management practices, how social media has become embedded in the workplace, and new approaches to HRM policy and practice. (528 pages)

SOFT COVER...........................................(9619S) 99.95 89.95

NEW!
Applying the Codes to Cannabis Facilities
The legalization of recreational cannabis sales to the public in select states started a new industry. Many building departments are struggling with how to address this influx of business and the amount of permit requests for grow facilities, extraction facilities, dispensaries and other related uses. ICC and author Steve Thomas, CBO, developed this insightful guide to help the code official understand how the codes are applied to these facilities. The full-color guide discusses: types of facilities; code requirements for building, fire, mechanical, plumbing, energy and electrical systems; and facilities in single-family dwellings. It takes the reader through the process of how cannabis is grown, cultivated and processed to better understand how the codes are applied. It provides a foundation of how to enforce the codes and includes a checklist of items to consider when dealing with cannabis facilities. As the industry continues to evolve, this guide will provide the necessary background to evaluate the issues and then apply the codes appropriately. (132 pages)

SOFT COVER.................................(7058S) 29.95 23.95
PDF DOWNLOAD..........................(8950P871) 26.95 21.50

D. Legal Aspects of Code Administration, 2017 Edition
An excellent starting point for building officials who want to become better acquainted with the duties and legal responsibilities of enforcing the building code. It is also designed to serve as a refresher for those preparing to take the legal module of the ICC Certified Building Official or Certified Fire Marshal, or both, examinations. Building officials must understand their role in shaping, administering, and enforcing the building code. As agents of state and local governments, building officials must also understand the law and execute their duties in accordance with prevailing statutory and case law. This book will examine and discuss those duties and allow building officials to become successful at their jobs. This updated edition includes recent court decisions affecting building officials. (208 pages)

SOFT COVER.....................................(1007S17) 44.95 35.95
PDF DOWNLOAD.............................(8950P788) 40.50 32.50

E. Building Community Resilience through Modern Model Building Codes
Addresses the urgent need for community resilience in the face of disasters and the most effective, efficient, and economic means to achieve it. The impacts of natural disasters can be mitigated with the right strategies and investing in mitigation before a disaster event occurs can significantly reduce losses at the time when the event does occur. Detailed information, graphics, photos, statistics, and losses related to various disasters are documented in this compelling publication, stressing the need for urgent action going forward. (50 pages)

SOFT COVER..................................(7037S) 15.00 12.00
PDF DOWNLOAD..............................(8027P) 14.00 11.00
ONLINE BONUS ITEMS!

**A. Building Department Administration, 4th Edition**
This fourth edition builds on the vast improvements of the third edition to bring yet another valuable resource to code administrators everywhere. Each chapter has been revised and reformatted, updating this edition to being the most current state-of-the-art information for the needs of the 21st century building safety industry. The compilation and organization of this unique publication has benefitted from the practical knowledge of more than 50 experts participating as authors, contributors, peer reviewers and editors, making it one of the most participatory publications in building safety. It is a comprehensive one-stop resource and is critical to the successful management and operation of building safety administration. (710 pages)

It contains outstanding topics and features such as:
- Tables, graphics and forms
- Information tips in highlighted boxes
- Employee performance evaluation approaches and forms
- Green construction and sustainability
- Disaster mitigation and building security
- Technology and automation in plan review and code administration
- Legal approaches, liability and court cases
- Technology and automation availability and implementation
- Calculation of needed resources and staff levels for an effective department
- Effective multi-departmental plan review and permitting procedures
- Leadership, supervision, and customer relations
- Training and certifications
- Legacy model codes and ICC history
- International approaches
- Records management
- Housing, property maintenance and the public counter

**Bonus Online Features Include:**
- Journal articles
- Book excerpts
- Helpful links

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**NEW EDITION!**

Written with managers, budget directors, and students of the profession in mind, this updated edition offers a fresh and forward-looking examination of local government budgeting. Building on the success of the past editions, Professors Bob Bland and Michael Overton forge into new arenas that shape the budgets, policies and processes managers use to craft spending decisions. The text provides practical guidance on how managers can effectively communicate budget information with their stakeholders and elevate the legitimacy of local government. (343 pages)

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**Apparel and Gifts**

**Men’s Polo Shirt (Navy Blue)**
- 100% polyester
- Nike Golf Dri-Fit
- Three-button placket
- Green ICC logo embroidered on left chest

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**C. Travel Mug**
- Holds 14 ounces
- Features a locking lid

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<td>TRAVEL MUG</td>
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**D. Baseball Cap**
- 100% cotton
- Structured mid profile
- Green ICC logo

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Please call or check online for color and availability.

**E. Backpack**
The stylish backpack features a zippered main compartment with a padded laptop sleeve that holds up to a 15.6-inch computer and a dedicated iPad/tablet pocket. Two zippered front pockets are large enough for power banks, cables, pens and notecards. Additional features include a side pocket for your water bottle, top grab handle and adjustable padded backpack straps.

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A. Inspector Skills
The first book to address the "other" skills necessary for the people side of inspection, by ICC's Stephen A. Van Note. Inspector Skills raises awareness of the importance of "soft skills" and provides guidance for improving those skills. Soft skills are non-technical traits and behaviors that enhance an inspector's ability to interact with others and to successfully carry out job duties. When coupled with a solid technical knowledge of codes and construction practices, effective soft skills elicit cooperation, generate respect and credibility, and improve the image of inspectors and code safety departments.

Topics include:
· Approaches to inspection
· Getting along
· Customer service
· Ethics
· Effective communication
· And much more!

The book is ideal for inspectors in all disciplines and can also benefit students, permit technicians, plan reviewers and building officials. (166 pages)

SOFT COVER ................................................(7104S) 24.95 19.95
PDF DOWNLOAD .....................................(8950P585) 22.50 18.00

B. Report Writing for Code Inspectors
Report writing skills are essential to success in your code enforcement career. Notices of violation, letters, and reports are public documents that may be read by supervisors, attorneys, judges, citizens, design professionals, contractors, and reporters. Quality inspection reports and notices of violation help ensure code compliance, impress superiors, and win respect from colleagues. They facilitate repairs, reinforce requirements for safe operations, and ensure unsafe practices are discontinued. Report Writing for Code Inspectors covers: basic principles for organizing and writing reports, bullet style, punctuation, capitalization, sentence structure, English usage, and the specialized vocabulary you need for your reports. Sample reports are included, along with a pre-test, post-test, practice exercises, and complete answer key. (232 pages)

SOFT COVER.................................................. (9658S) 22.95 19.95

Your ideal resource for effective, accurate, consistent, and complete fire inspections. The Inspector's Guide provides a comprehensive review of the 2018 IFC organized in a manner consistent with the inspection sequence for easy use on site. It is developed to increase inspection effectiveness and consistency by focusing on the most important provisions. This pocket-sized reference with spiral binding and durable laminated cover is ideal for everyday use. (205 pages)

SOFT COVER .............................................(4401S18) 23.95 19.00
PDF DOWNLOAD .......................................(8748P18) 21.50 17.25

D. Recommended Practices for Remote Virtual Inspections (RVI)
As technology continues to transform the building and construction industries, successful remote virtual inspections are needed now more than ever. This helpful guide from ICC is the most complete source of information on remote inspections. It is a comprehensive tool for local jurisdictions and the building industry alike that desire to implement a remote inspection program. This publication covers the RVI process, inspection scheduling, preparation, what the owner/contractor should expect, training and communications, and recording and maintaining records.

FROM MBNA AND ICC!
E. Guide for Inspecting Metal Building Systems
A useful resource for when inspecting a metal building project, this guide is intended for use by individuals responsible for contracting, performing, and reporting the various inspection tasks related to the construction of a metal building project. The scope primarily focuses on inspecting newly constructed metal building system including: primary framing, secondary framing, and metal roof and wall cladding. Additional materials commonly included on the building envelope, such as windows, doors, skylights, and insulation materials, are briefly addressed. (86 pages)

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**Code Check: Illustrated Guides to Building Codes**

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Taunton’s flagship flip-chart book is based on the 2018 model codes, including the IRC, UPC, & UMC, and the 2017 NEC. It contains 81 illustrations that provide graphic explanations of code issues and 32 tables that place essential information at your fingertips. Major changes are highlighted in the book for all four major disciplines—building, plumbing, mechanical, and electrical. Perfect for field use or in the office.

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**G. Code Check Building, 4TH Edition**

Professional builders, remodelers, home inspectors, and building inspectors find this handy, trustworthy reference an essential tool for building the safest structures. Cross-referenced to the 2015 IRC, this invaluable quick-reference guide provides the essential need-to-know information in plain language with 85 drawings to ensure compliance with codes at each stage of construction, ensuring that all jobs meet the highest safety standards. Detailed tables and illustrations throughout clarify code provisions and numerous changes in the latest edition of codes. For even greater transparency, specific code changes are highlighted throughout the text and summarized at the end of the book. (32 pages)

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**H. Code Check: Plumbing & Mechanical 5TH edition**

The book is based primarily on the 2015 IRC and 2015 UPC/UMC codes.

- 137 illustrations provide visual explanation of code rules
- 50 tables aid in code application
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- Includes latest rules on ventilation and exhaust systems to maintain indoor air quality (48 pages)

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**I. Code Check Electrical, 8th Edition**

Completely updated to the 2017 NEC®, contains 23 tables and 66 drawings, and is cross-referenced to the 2015 IRC®. It is an ideal companion for field inspections, plan review, NEC® study, and for helping to avoid violations on construction projects. (32 pages)

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**Code Check Commercial**

The Code Check field guide covers code issues commonly encountered in the construction of retail stores, offices, warehouses, schools, service stations, hotels, restaurants, apartments and condominiums. It uses clear language and 110 informative diagrams, and is based on the 2009 International Codes, Uniform Codes and the 2008 NEC®. (46 pages)

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**Residential Building Inspection: A Step-by-Step Guide**

A “how-to” resource by Mike Brinkman that can benefit building department personnel, builders, contractors, project managers, home owners and others involved in residential building construction.

The full-color guide will help you:

- improve consistency
- establish departmental procedures
- create a strong training program

The procedures, inspection items and approaches are generic and applicable everywhere regardless of the code or edition adopted. Photos and graphics provide an invaluable visual presentation to enhance your understanding. (158 pages)

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**NEW EDITION!**

**California Fire Inspection Guide: Based on the 2019 California Codes**

Published by the California Fire Prevention Officers Association, this is a handy pocket-sized guide for both fire prevention inspectors and engine company members. Convenient booklet format organized by occupancy allows the user to look up exiting, fire extinguisher, housekeeping, electrical questions, and more in the field. Based on the 2019 California Codes and Title 19 requirements this easy to use reference is a must have for anyone conducting basic fire prevention inspections. (122 pages)

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NEW!

A. 2018 Special Inspection Study Companion

This comprehensive self-study guide for the general requirements portion of the Special Inspector exams addresses special inspection, requirements for structural and fire-resistant materials, and duties of the special inspector, building department and designers. Its 13 study sessions provide practical learning assignments and contain specific learning objectives, applicable code text and commentary, and key points of study. Practice quizzes with 300 total questions are included with an answer key that indicates the referenced section in the code, standard or Special Inspection Manual. (300 pages)

B. Special Inspection Manual: 2018 Edition

In extreme natural events such as earthquakes and hurricanes, the most common contributing factor to significant structural damage and building failure is construction that fails to comply with codes, standards and design documents. Having specialized oversight and increasing inspection frequency, duration and detail during the construction process help mitigate construction issues.

 Authored by ICC’s Sandra Hyde, Special Inspection Manual gives detail to oversight and increased inspection requirements. The manual contains the requirements involving special inspection within the International Building Code, descriptions of the required special inspections, and information on creating a special inspection program. It supports preparation for special inspection certification exams and aids building departments in their creation of procedures and forms to run a special inspection overview program.

The guidance in the manual is based on recommended practices and the consensus of building officials, design professionals, and inspection and testing agencies. Duties and responsibilities of the special inspector, building official, project owner, engineer or architect of record and contractor are defined. This manual is also helpful for design professionals writing statements of special inspections. (326 pages)

SAVE when you buy the Study Companion and Manual together! A-B. Special Inspection Study Companion and Manual Combo

**NEW!**

FROM SSTC AND ICC!

C. Structural Steel Inspector’s Workbook, 2014 Edition

Steel Structures Technology Center and ICC have co-published this helpful workbook by Robert Shaw, P.E., based on the requirements of the IBC, the standards of the AISC, AWS, Research Council on Structural Connections, Steel Joist Institute, and Steel Deck Institute, and inspection resources from ICC. The workbook provides practical exercises to learn about the various codes and standards governing steel building construction. It is designed in an independent-study format, enabling readers to progress at their own pace with simple, straightforward multiple-choice questions to test their knowledge. The workbook is an ideal resource for those working to attain ICC Certification for Structural Steel and Bolting Inspection, or Structural Welding Inspection. (156 pages)

D. Concrete Manual: 2015 IBC and ACI 318-14

Author Gerald Neville, P.E., provides the guidance and information inspectors and other construction professionals need to become more proficient in concrete field practices and inspection.

The Concrete Manual will:

- Introduce concrete and explain why it behaves as it does.
- Explain conventional concrete construction procedures.
- Cover special concrete technologies such as Autoclaved, self-consolidating and pervious.
- Discuss control and inspection procedures.
- Explore statistical quality control methods and their application.
- Detail proper field testing procedures.
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A Resource Reference section includes a list of the concrete industry and technical organizations to contact for additional information. (576 pages)

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- (9133S00) 85.00 **76.00**
Incorporates requirements contained in the 2018 IBC, Building Code Requirements for Masonry Structures (TMS 402-16) and Specification for Masonry Structures (TMS 602-16). Masonry quality control provisions include: materials, installation, testing methods, special provisions. This book is also used as a reference for ICC's Structural Masonry Special Inspection Certification Examination. (432 pages)

SOFT COVER .............................................(9086S10) 44.95 39.95
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Masonry Inspector's Workbook, Tenth Edition
This workbook compiles questions developed from material in the Reinforced Concrete Masonry Construction Inspector's Handbook Tenth Edition, with an answer key cross-referenced to the material in the handbook. Those preparing for the ICC Structural Masonry Special Inspector certification examination will find this workbook an invaluable self-study guide or as a supplement to a classroom environment. (140 pages)

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NEW EDITION!
Incorporates requirements contained in the 2018 IBC and TMS 402/602-16 Building Code Requirements and Specification for Masonry Structures. Masonry Quality Control provisions include: Materials, Installation, Testing Methods, and Special Provisions. This handbook will serve as a guide for the construction and inspection of reinforced grouted brick masonry. It is particularly applicable for those areas that have provisions for earthquake safety in their building codes. (512 pages)

SOFT COVER .............................................(9028S16) 39.95 35.95

NEW EDITION!
G. 2019 Masonry Code Provisions for California
A ready reference that furnishes various code requirements for masonry from the California Building and Residential Codes used in conjunction with Building Code Requirements for Masonry Structures (TMS 402-16) and Specification for Masonry Structures (TMS 602-16). The Scope of this publication is to assist the masonry industry through education and dissemination of information to extend and improve the use of masonry. (220 pages)

SOFT COVER .............................................(9593S19) 24.95 22.50

H. Soils, Earthwork, and Foundations: A Practical Approach, Based on 2015 IRC and IBC
Authors Kirby T. Meyer and Dean Reed bridge the worlds of geotechnical engineering and foundation design, and construction activities and inspections dealing with soil conditions and building foundations. The book provides illustrations to assist in understanding the principles involved in foundations, guidelines for when to call on a geotechnical or foundation design engineer, and tips for effectively communicating with geotechnical and structural professionals. Review questions are included that will assist those studying for the Soils Special Inspection Certification Exam. References to the 2015 IRC and IBC are provided throughout. (300 pages)

SOFT COVER .............................................(4036S15) 56.95 44.95
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This pocket-size publication provides standard guidelines for inspecting and testing sprayed fireproofing. Updated to include testing criteria for higher bond strength materials and thickness test procedures for pipe columns, the manual reflects ASTM, UL and model code requirements.

SOFT COVER .............................................(9034S4) 29.00 25.00

I. Technical Manual 12-B
Standard Practice for the Testing and Inspection of Field Applied Thin Film Intumescent Fire-Resistive Materials; an Annotated Guide.

SOFT COVER .............................................(9276S) 29.00 25.00

J. Structural Bolting Handbook, 2016
This Handbook has included information using both: 2010 AISC Specification with 2014 RCSC Specification provisions, and 2016 AISC Specification provisions with appropriate updated information. This pocket-sized book is a must for fabricators and erectors, ironworkers and fitters, inspectors, engineers and detailers. (144 pages)

SOFT COVER .............................................(9140S16) 22.00 20.00

This pocket-sized reference assists welders, supervisors, inspectors, engineers, and others involved in the design, fabrication, erection and inspection of steel-framed buildings and structures in achieving quality workmanship and inspection in their welding operations. (128 pages)

SOFT COVER .............................................(9050S16) 22.00 20.00
NEW EDITION!

A. NFPA 70® 2020: National Electrical Code® (NEC®)
The electrical code designated for use with the I-Codes

This revised and expanded edition features state-of-the-art information for safe electrical practices for public and private buildings, homes and structures, outdoor yards and lots, utility equipment, installations that connect to the power grid, and consumer-owned power generation systems and equipment. Content has been added, edited, and reorganized to address safety for workers, energy systems and electric vehicles, limited energy, and communication systems.

SOFT COVER .............................................(5000S20) 115.00 106.00
LOOSE LEAF ............................................(5000L20) 125.00 116.00
SOFT COVER + TABS ...............................(5000ST20) 128.00 117.00
LOOSE LEAF + TABS ...............................(5000LT20) 138.00 127.00

2017 edition is also available.

NEW EDITION!


Revised and extensively updated, the full-color 2020 edition NEC handbook is a vital resource for electrical design and installation in residential, commercial, and industrial settings. The Handbook provides detailed explanations on how to implement requirements along with the reasoning behind major changes that could affect your designs and installations.

Features:
- The complete 2020 NEC text for instant and easy reference
- Integrated commentary positioned in-line with NEC text
- A new Summary of Technical Changes table that shows you where and why code changes occurred
- A cross-reference feature to help you quickly find related information in other articles
- 800 full-color photos, tables, and illustrations such as schematics, floor plans, and cross-sectional graphics
- Informative Annexes, including Informative Annex C, Conduit and Tubing Fill Tables, and Informative Annex D Examples

The NEC Handbook provides a narrative interpretation featuring expert commentary and informative exhibits that help you increase code comprehension and explain NEC requirements to clients and others who might not have professional electrical training.

(1,388 pages)
HARD COVER .............................................(5003S20) 210.00 199.00
HARD COVER + TABS ...............................(5003ST20) 218.00 205.00

2017 edition is also available.

C. 2020 National Electrical Code® Tabs

Self-adhesive tabs for the 2020 NEC® or NEC® Handbook.

SOFT COVER .............................................(5000TS20) 20.00 17.50

2017 edition is also available.

NEW EDITION!

D. Analysis of Changes, 2020 NEC

Learn the most essential changes to the 2020 NFPA 70 NEC®. Written by IAEI’s industry experts, this comprehensive book is a must-have resource highlights and explains revisions to residential, commercial, and industrial design and installation requirements and covers four new code articles and significant changes to a variety of requirements regarding GFCI protection, grounding conductors, lighting load calculations, surge protection and outdoor emergency disconnects for dwelling units, circuit current rating for switchboards, switchgear, and panelboards, grounding and bonding of HVAC equipment on rooftops, areas covered and not covered in health care facilities, manufactured buildings and relocatable structures, GFPE and GFCI protection at marinas, boatyards and docking facilities, splash pads, and much more. 296 figures and images make the new articles and changes easy to understand.

(624 pages)
SOFT COVER .............................................(5005S20) 83.00 78.00

2017 edition is also available.

E. One & Two Family Dwelling Electrical Systems, 10th Edition

Published by IAEI, explains the design, installation and inspection of electrical systems in new and existing one- and two-family dwellings based on the 2017 NEC® and 2018 IRC. The text covers the subject in detail and meticulously updates the material as it pertains to the appropriate residential sections of the 2017 NEC and the 2018 IRC. (600 pages)

SOFT COVER .............................................(1108S10) 78.00 70.00
500+ COLOR ILLUSTRATIONS!
Thoroughly updated to address the provisions of the 2018 IBC, this fully-illustrated guide makes it easy to understand and apply the most critical code provisions. Covering both fire- and life-safety and structural provisions, this practical resource contains hundreds of user-friendly diagrams designed to clarify the application and intent of the IBC®. The Handbook provides all the information needed to get construction jobs done right and achieve compliance. (1,008 pages)

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2015 edition is also available.

This guide pulls out the portions of the building code most relevant for the architect and provides an easy-to-understand interpretation in both words and illustrations. Uniquely marrying the graphic skills of Francis D.K Ching with the code expertise of Steven Winkel, FAIA, the sixth edition covers such information as: use and occupancy; building heights and areas; types of construction; fire-resistive construction; interior finishes; means of egress; accessibility; energy efficiency; roof assemblies; structural provisions; special inspections and tests; soils and foundations; building materials and systems; and more. (480 pages)

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C. The Codes Guidebook for Interiors, Seventh Edition
Devoted exclusively to code requirements applicable to interior designers, this guide features jargon-free explanations of all the codes and standards relevant to designers and architects, including performance codes, building and finish standards, energy codes, and ADA standards. In addition, dozens of examples are greatly enhanced with a set of illustrations, including floor plans that clearly show how codes apply to real-world project. Authors Katherine E. Kennon and Sharon Koomen Harmon address a wide-variety of the sixth edition covers such information as: use and occupancy; building heights and areas; types of construction; fire-resistive construction; interior finishes; means of egress; accessibility; energy efficiency; roof assemblies; structural provisions; special inspections and tests; soils and foundations; building materials and systems; and more. (480 pages)

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275 COLOR ILLUSTRATIONS!
D. International Building Codes and Guidelines for Interior Design
Author Lisa M. Tucker introduces you to the building code and other regulatory guidelines, and uses illustrated case studies to show you how to apply design solutions. The book includes a description of the permitting process, document submission, and compliance and occupancy of the built project. The second part of the book is comprised of case studies illustrating all of the major codes areas. These case studies include REVIT rendered illustrations. (248 pages)

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ICC A117.1: Standard for Accessible and Usable Buildings and Facilities
Since 1961, the A117.1 Standard has been at the forefront of creating a built environment open to everyone. The specifications in this standard enable people with physical disabilities to independently access and use sites, facilities, buildings and elements.

E. ICC A117.1-2017 (200 pages)

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F. Significant Changes to the ICC A117.1 Accessibility Standard, 2017 Edition
Authored by ICC code expert Jay Woodward, this one-of-a-kind reference is an indispensable resource that will familiarize building officials, plans examiners, inspectors, and design professionals with the many important accessibility-related changes in the A117.1 Standard. (188 pages)

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ICC A117.1 Standard and Commentary (Accessible and Usable Buildings and Facilities)
This publication's easy-to-use format includes the full text of the ICC A117.1 standard, including tables and figures, followed by the corresponding commentary for each section. The commentary and accompanying figures explain the background and intent of the requirements and suggest the most effective method of application. Potential consequences of not following the provisions of the standard are discussed. A must-have reference for architects, designers, facility professionals, building owners, and code officials who want a better understanding of ICC A117.1.

C. 2017 EDITION

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NEW!
A. Wind Loads: Guide to the Wind Load Provisions of ASCE 7-16
A comprehensive overview of the wind load provisions in ASCE/SEI 7-16. In this helpful guide, authors Coulbourne and Stafford focus on the provisions that affect the planning, design, and construction of buildings for residential and commercial purposes. It includes 14 chapters with 10 worked examples of real-life design problems applying the appropriate use of analytical and simplified procedures for calculating wind loads for a variety of common structure types, as well as answers to more than 30 FAQs grouped by topic. This book is an essential reference for practicing structural engineers, offering the most authoritative and in-depth interpretation of the wind loads section of ASCE/SEI 7-16. (180 pages)
SOFT COVER .............................................(9249S16) 85.00 65.00

NEW!
B. Seismic Loads: Guide to the Seismic Load Provisions of ASCE 7-16
An essential companion to ASCE/SEI 7-16, Seismic Loads provides clear, authoritative explanations of the seismic design provisions in ASCE/SEI 7-16. Authors Charney, Heausler, and Marshall present numerous detailed examples within the main 30 chapters of Seismic Loads. The examples guide structural engineers through the process of assessing conditions, including identifying occupancy, importance, and seismic design categories; determining the seismic requirements; and selecting a structural system. Topics include building irregularities, structural analysis, lateral system forces, load factors, drift, and P-delta effects. (396 pages)
SOFT COVER .............................................(9264S16) 125.00 95.00

Offers examples on wind force design that illustrate the practical requirements of provisions in ASCE/SEI 7-16. Practicing structural engineers, trained designers, building department engineers, other plan review agencies, professors and students, can all learn from these examples of code-compliant designs engineered to achieve good performance under wind loading. The publication draws on the expertise of invited authors from various parts of the U.S. and is intended for nationwide use, with example problems that apply to a variety of geographic areas. A wide range of topics is covered:
- General topics (4 examples)
- Special topics (2 examples)
- Buildings (3 examples)
- Solar Photovoltaic systems (7 examples)
SOFT COVER .............................................(9000S18) 95.00 82.50
PDF DOWNLOAD ........................................(8026P18) 85.50 74.50

D. Seismic and Wind Forces: Structural Design Examples, 5TH Edition Updated to 2018 IBC® and ASCE/SEI 7-16
Thoroughly updated by Alan Williams to the 2018 IBC, ASCE/SEI 7-16, ACI 318-14, NDS-2018, AISC 341-16, AISC 358-16, AISC 360-16, and TMS 402-16. In each chapter, sections of the code are presented and explained in a logical and simple manner, followed by illustrative examples. Each example concentrates on a specific section of the code and provides a clear, concise interpretation of the code requirement. The text is organized into six chapters that correspond to the primary structural design sections of the code: seismic design, design for wind loads, seismic design of steel structures, seismic design of concrete structures, seismic design of wood structures and seismic design masonry structures.

More than 100 completely worked-out design examples are included to clearly illustrate proper application of the code requirements. Problems are solved in a straightforward step-by-step fashion with extensive use of illustrations and load diagrams. Seismic and Wind Forces is an excellent resource for practicing civil and structural engineers, engineers studying for licensing exams, structural plan check engineers, civil engineering students, architects, code officials, plan reviewers, and others who need to know how to properly apply seismic and wind loads based on the IBC and the referenced structural standards. (608 pages)
SOFT COVER .............................................(9185S) 76.00 61.00
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E. Structural Load Determination: 2018 IBC and ASCE/SEI 7-16
This practical guide by David A. Fanella contains information engineers need to design buildings that will withstand the forces of gravity, occupancy, and environmental stress. It includes design examples, flowcharts, and load diagrams that illustrate complex load provisions. The book explains the proper application of allowable stress design (ASD). Chapters cover occupancy, roof, rain, snow, ice, wind, seismic, and tsunami loads. (512 pages)
SOFT COVER .............................................(4034S18) 95.00 76.00
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NEW!
F. Rain, Snow, and Ice Loads: Time-Saving Methods Using the 2018 IBC and ASCE/SEI 7-16
This practical visual guide by David A. Fanella provides engineers with simplified, step-by-step procedures to determine each load. Specific load types illustrated include ground snow, flat and sloped roof snow, drift loads, sliding snow, ponding instability, ice loads due to freezing rain, wind on ice-covered structures, and more. Real-world examples for each applicable code section are included, plus figures and flowcharts to help explain each procedure. (176 pages)
SOFT COVER .............................................(9202S18) 55.00 48.00
NEW EDITIONS!

A-D. 2018 IBC® SEAOC Structural/Seismic Design Manuals
This updated series provides a step-by-step approach to applying the structural provisions of the 2018 IBC® and referenced standards. Each volume is an excellent reference and study guide for the NCEES Structural Exam, and an invaluable resource for civil and structural engineers, architects, academics, and students. Available in print and new eBook format.

A. Volume 1: Code Application Examples
Covers determination of seismic irregularities, combinations of structural systems, determination of drift, support of discontinuous systems and analysis of seismic forces applied to equipment, nonstructural elements, and nonbuilding structures. (232 pages)

SOFT COVER ...........................................(9011S181) 79.00  67.00
EBOOK .................................................. (8950DG884) 71.00  60.00

B. Volume 2: Examples for Light-Frame, Tilt-up, and Masonry Buildings
Discusses diaphragm flexibility, center of mass, collectors and chords, deflection, and anchorage are discussed through examples. In- and out-of-plane seismic loads are analyzed. Volume 2 details sample structures of wood, cold-formed steel, tilt-up concrete, and masonry. (380 pages)

SOFT COVER ...........................................(9011S182) 79.00  67.00
EBOOK .................................................. (8950DG885) 71.00  60.00

C. Volume 3: Examples for Concrete Buildings
Analyzes sample structures containing concrete moment frames or shear walls, diaphragm, and pile design. (266 pages)

SOFT COVER ...........................................(9011S183) 67.00  57.00
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Index

A
ACI 318/14/ACI 318R-14 ........................................ 27
Accessibility Study Companion Q ............................. 31
All-Purpose Tabs Q .................................................. 13
ICC A117.1 Q .......................................................... 24, 39
ICC A117.1 Commentary Q ........................................ 17, 39
ICC A117.1, Significant ChangesQ ............................ 15, 39
ICC A117.1 Turbo Tabs Q ........................................... 13
Analysis of Changes, NEC ........................................ 38
Applying the Codes to Cannabis Facilities Q .................. 32
ASABE/ICC 802 ....................................................... 25
ASCE/SEI 7-16 ......................................................... 27
ASCE/SEI 24-14 ....................................................... 27
ASCE/SEI 41 ........................................................... 27
ASCE/SEI 55-16 ....................................................... 27
ASHRAE 90.1-2019 .................................................... 28
ASTM Masonry Standards .......................................... 26
ATC 20/20-1 .......................................................... 43
AWC SDPWS-2015 .................................................... 27

B
Backpack ..................................................................... 33
Baseball Cap .................................................................. 33
Basic Code Enforcement Q ........................................... 32
(A) Budget Gd. for Local Gov’t ....................................... 33
Building Codes Illustrated ........................................... 19, 39
Building Community ResilienceQ ................................ 32
Building Department Admin. Q ..................................... 33

C
Calif. Fire Inspection Gd ............................................ 35
2015 Changes to Penn. Uniform Constr Code Q .......... 15
Code Check Series ..................................................... 35
CodeMaster ............................................................... 20, 42
Code Gdbk for Interiors, The ..................................... 39
Comments (I-Codes) .................................................. 16–17
Complete Revision History to the 2018 I-Codes .............. 23
Complete Revision History to 2021 IPC, IMC .................. 22
Concrete Manual Q ..................................................... 36
CSA B805-18/ICC 805-2018 (Rainwater Harvesting) ........ 25

D
Deck Construction...IRC Q ......................................... 20
Design of Wood Structures ASD/LRFD 42
DeWALT Building Code Ref ....................................... 21
DeWALT HVAC Code Ref .......................................... 22
DeWALT Plumbing Code Ref ...................................... 22
DeWALT Residential Construction Codes Handbook ........ 21

E
Earthquake Engineering ............................................ 42
Energy Efficiency Stickers Q ....................................... 23
Essentials Series Q ..................................................... 18
Examples: Structural Wood Design 42

F
Fire Inspector’s Guide Q ............................................ 21, 34
Fire Resistance Dsn Mnl (GA-600) ................................ 28
FlashCards Q ................................................................ 29

G
GA-600: Gypsum Fire Resis. Dsn ................................ 28
Geotechnical Testing ................................................ 43
Guide for Inspecting Metal Bldg Systems Q .................. 34
Guide to IRC Wood Wall Bracing Provisions, A Q ........ 20

H
Home Builders’ Jobsite Codes Q ................................ 21
Human Resources Mgmt Q .......................................... 32

I
IBC Illustrated Handbook Q ....................................... 19, 39
ICC 300 (Bleachers...) Q ............................................ 24
ICC 400 (Log Structures) Q ........................................ 24
ICC 500 (Storm Shelters) Q ......................................... 25
ICC 500 Commentary Q .............................................. 17
ICC 600 (High-Wind) Q ............................................. 25
ICC 700: Nat’l Green Bldg Stnd Q .................................. 25
ICC 900/SRCC 300 (Solar Water Heating) Q ................. 25
ICC 901/SRCC 100 (Solar Thermal Collectors) Q ............ 25
ICC 902/APSP 902/SRCC 400 (Solar Pool/Spa Heating) Q 25
ICC 1100 (Polyurethane Foam) Q ............................... 26
ICC A117.1 Q ............................................................ 24, 39
ICC A117.1, Significant Changes to Q .......................... 14, 39
ICC A117.1 Commentary Q ........................................ 17, 39
ICC A117.1 Plan Review Records Q .................. 23
ICC G4-2012: Guideline for Commissioning Q ............ 26
ICC G5-2019: Guideline for Shipping Containers Q .......... 26
Inspector Skills Q ....................................................... 34
Inspector’s Hdbk. for Reinforced Grouted Brick Masonry .... 37
IBC Essentials Q ....................................................... 18
IBC FlashCards Q ....................................................... 20, 29
IBC Illustrated Hdbk Q ............................................. 19, 39
IBC Study Companion Q ........................................... 20, 30
IBC Turbo Tabs Q ....................................................... 13
SEAOC Structural/Seismic Design Manuals Q ................. 41
Significant Changes, IBC Q ........................................ 14
IBC Turbo Tabs Q ....................................................... 13
Significant Changes, IBC Q ........................................ 14
International Bldg Codes and Gdln for Interior Design ....... 39
International Code Commentaries Q ........................... 16–17
International Code Interp Q ......................................... 23
IECC Essentials Q ..................................................... 18
IECC FlashCards Q .................................................... 23, 29
IECC Study Companion Q ......................................... 22, 31
IECC Turbo Tabs Q .................................................... 13
2018 IECC/ASHRAE 90.1-2016 Q .............................. 11
IECC Turbo Tabs Q .................................................... 13
IEBC Essentials Q ..................................................... 18
IEBC Handbook Q ................................................... 22
IEBC Turbo Tabs Q .................................................... 13
International Existing Building Code (2021) Q ............ 6
IEBC Turbo Tabs Q .................................................... 13
Significant Changes, IFC Q .......................................... 14
IFC Essentials Q ....................................................... 18
IFC FlashCards Q ....................................................... 21, 29
IFC Study Companion Q ........................................... 21, 30
IFC Turbo Tabs Q ....................................................... 13
Significant Changes, IFC Q .......................................... 14
International Fire Code (2021) Q .......................... 6
IFC Turbo Tabs Q ....................................................... 13
Significant Changes, IFC Q .......................................... 14
IFGC FlashCards Q ..................................................... 23, 29
IFGC Study Companion Q ......................................... 22, 30
IFGC Turbo Tabs Q .................................................... 13
Significant Changes to IPC/IMC/IFGC Q ....................... 14
International Fuel Gas Code (2021) Q .................. 7
IFGC Turbo Tabs Q .................................................... 13
Significant Changes to IPC/IMC/IFGC Q ....................... 14
IgCC Essentials Q ..................................................... 18
2015 IgCC Water Efficiency Commentary Q .................. 17
International Mechanical Code (2018) Q .................. 10
IMC FlashCards Q ..................................................... 23, 29
IMC Study Companion Q .......................................... 23, 30
IMC Turbo Tabs Q .................................................... 13
Significant Changes to IPC/IMC/IFGC Q ....................... 14
Index

State and Local Codes for the following regions are available at shop.iccsafe.org

- Arkansas
- California
- City of Los Angeles
- County of Los Angeles
- Chicago
- Connecticut
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- Indiana
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- New York State
- New York City
- North Carolina
- Ohio
- Oregon
- Rhode Island
- South Carolina
- Vermont
- Virginia
- Washington
- City of Seattle

International Mechanical Code (2021) ........................................ 7
Complete Revision History to 2021 IPC, IMC ........................................ 22
IMC Turbo Tabs ..................................................................................... 13
Significant Changes to IPC/IFGC ............................................................ 14
ICC Performance Code (2021) ................................................................. 8
International Plumbing Code (2018) ..................................................... 10
IPC Essentials ......................................................................................... 18
IPC FlashCards ....................................................................................... 23, 29
IPC Study Companion ............................................................................ 22, 30
IPC Turbo Tabs ......................................................................................... 13
Significant Changes to IPC/IMC/IFGC ..................................................... 14
International Plumbing Code (2021) ..................................................... 7
Complete Revision History to 2021 IPC, IMC ........................................ 22
IPC Turbo Tabs ......................................................................................... 13
Significant Changes to IPC/IMC/IFGC ..................................................... 14
International Private Sewage Disposal Code (2018) .................................. 10
International Private Sewage Disposal Code (2021) .................................. 7
International Property Maintenance Code (2021) ...................................... 8
International Residential Code (2018) ..................................................... 10
IRC Essentials ........................................................................................ 18
IRC FlashCards ....................................................................................... 21, 29
IRC Study Companion ............................................................................ 21, 30
IRC Turbo Tabs ....................................................................................... 13
Significant Changes, IRC ........................................................................ 14
International Residential Code (2021) ..................................................... 5
IRC Turbo Tabs ....................................................................................... 13
Significant Changes, IRC ....................................................................... 14
International Solar Energy Provisions (ISEP) .......................................... 11
ISEP Commentary .................................................................................. 17
International Swimming Pool and Spa Code (2021) ................................... 6
International Wildland-Urban Interface Code (2021) .................................. 6
International Zoning Code (2021) ............................................................. 8

L
Legal Aspects of Code Admin ................................................................. 32

M
Manual for Quality Control for Plants/Production .................................. 36
Masonry Code Provisions, Calif .............................................................. 37
Masonry Inspector’s Workbook ............................................................... 29, 37
Masonry Structural Dsn .......................................................................... 42
Mass Timber Dsn ................................................................................... 19

N
National Electrical Code® ................................................................. 8, 11, 38
NDS Wood Design Package .................................................................. 27
NEC® Handbook .................................................................................... 38
National Green Bldg Stnd (ICC 700-2015) .............................................. 25
NFPA 13, 13D, 13R ................................................................................ 28
NFPA 58: LP-Gas Code ......................................................................... 28
NFPA 72: Fire Alarm Code ..................................................................... 28

O
One- and Two-Family Dwelling Electrical Systems .................................. 38

P
Permit Tech Study Companion ............................................................... 31
Plan Review Records .............................................................................. 23
Plumbing Venting .................................................................................. 22
PTI M10.2-00 ......................................................................................... 43

R
Rain, Snow, and Ice Loads ................................................................. 19, 40
Recommended Practices for Remote Virtual Inspections ...................... 34
Reinforced Concrete Masonry Construction Inspector’s Hdbk ............ 37
Reinforced Concrete Struc ................................................................. 42
Reinforced Masonry Eng Hdbk .............................................................. 43
Report Writing for Code Inspectors ...................................................... 34
Residential Bldg Inspection .................................................................. 35
RESNET/ICC 301 .................................................................................. 24
RESNET/ACCA/ICC 310 ....................................................................... 24
RESNET/ICC 380 .................................................................................. 24
RESNET/ICC 850 .................................................................................. 25

S
SEAOC Structural/Seismic Design Manuals ........................................ 41
Seismic and Wind Forces ....................................................................... 40
Seismic Design Gd for Metal Bldg Sys .................................................. 43
Seismic Loads: Gd to...ASCE 7-16 ......................................................... 40
SES Standards ....................................................................................... 26
Shirt ......................................................................................................... 33
Significant Changes Series .................................................................... 14–15
Significant Changes, A117.1 ................................................................. 15
Significant Changes to Calif. Codes ...................................................... 15
Significant Changes to Fla. Bldg. and Res. .............................................. 15
Significant Changes to ASCE 7-16 ......................................................... 41
Snow Loads: Gd to ASCE 7-16 ............................................................... 41
Soils, Earthwork, and Foundations ...................................................... 37, 43
Steel Construction Manual ................................................................. 26
Special Inspection Manual ..................................................................... 36
Special Inspection Study Companion .................................................. 31, 36
ICC-SRCC Standards ........................................................................... 25
Steel Structures Dsn .............................................................................. 43
Structural Bolting Hdbk ....................................................................... 37
Structural Load Determination ............................................................. 19, 40
Structural Steel Designer’s Hdbk .......................................................... 42
Structural Steel Inspector’s Workbook ................................................ 36
Structural Welding Hdbk ....................................................................... 37
Study Companion Series ....................................................................... 30–31

T
Technical Manual 12-A ................................................................. 37
Technical Manual 12-B ........................................................................ 37
TMS 402/602-16 ................................................................. 27
Travel Mug ......................................................................................... 33
Turbo Tabs ............................................................................................ 13

W
WEP Commentary ................................................................................ 17
Wind Design Mnl .................................................................................. 40
Wind Loads: Gd to...ASCE 7-16 .......................................................... 40
Wood Frame Construction Manual (WFCM) ...................................... 27
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