

# REVISION RECORD FOR THE STATE OF CALIFORNIA

## ERRATA

January 1, 2014

### 2013 Title 24, Part 1, California Code of Regulations

#### General Information:

1. The date of this erratum is for identification purposes only. See the History Note Appendix on the back side or accompanying page.
2. This erratum is issued by the California Building Standards Commission in order to correct nonsubstantive printing errors or omissions in California Code of Regulations, Title 24, Part 1, of the 2013 *California Administrative Code*. Instructions are provided below.
3. Health and Safety Code Section 18938.5 establishes that only building standards in effect at the time of the application for a building permit may be applied to the project plans and construction. This rule applies to both adoptions of building standards for Title 24 by the California Building Standards Commission, and local adoptions and ordinances imposing building standards. An erratum to Title 24 is a nonregulatory correction because of a printing error or omission that does not differ substantively from the official adoption by the California Building Standards Commission. Accordingly, the corrected code text provided by this erratum may be applied on and after the stated effective date.
4. You may wish to retain the superseded material with this revision record so that the prior wording of any section can be easily ascertained.

#### Title 24, Part 1

##### Remove Existing Pages

v and vi  
1 and 2  
5 and 6  
15 and 16  
49 and 50  
139 and 140

##### Insert Buff Colored Pages

v and vi  
1 and 2  
5 and 6  
15 and 16  
49 through 50.2  
139 and 140



# CALIFORNIA CODE OF REGULATIONS, TITLE 24

## California Agency Information Contact List

### Board of State and Community Corrections

www.bscc.ca.gov .....(916) 445-5073  
Local Adult Jail Standards  
Local Juvenile Facility Standards

### California Building Standards Commission

www.bsc.ca.gov .....(916) 263-0916

### California Energy Commission

www.energy.ca.gov ..... **Energy Hotline** (800) 772-3300  
Building Efficiency Standards  
Appliance Efficiency Standards  
Compliance Manual/Forms

### California State Lands Commission

www.slc.ca.gov .....(562) 499-6312  
Marine Oil Terminals

### California State Library

www.library.ca.gov .....(916) 654-0266

### Department of Consumer Affairs:

#### **Acupuncture Board**

www.acupuncture.ca.gov .....(916) 515-5200  
Office Standards

#### **Board of Pharmacy**

www.pharmacy.ca.gov .....(916) 574-7900  
Pharmacy Standards

#### **Bureau of Barbering and Cosmetology**

www.barbercosmo.ca.gov .....(916) 952-5210  
Barber and Beauty Shop,  
and College Standards

#### **Bureau of Electronic and Appliance Repair, Home Furnishings and Thermal Insulation**

www.bearhfti.ca.gov .....(916) 999-2041  
Insulation Testing Standards

#### **Structural Pest Control Board**

www.pestboard.ca.gov .....(800) 737-8188  
Structural Standards

#### **Veterinary Medical Board**

www.vmb.ca.gov .....(916) 263-2610  
Veterinary Hospital Standards

### Department of Food and Agriculture

www.cdffa.ca.gov  
Meat & Poultry Packing Plant Standards (916) 654-0509  
Dairy Standards (916) 654-0773

### Department of Housing and Community Development

www.hcd.ca.gov .....(916) 445-9471  
Residential- Hotels, Motels, Apartments,  
Single-Family Dwellings; and  
Permanent Structures in Mobilehome &  
Special Occupancy Parks  
(916) 445-3338  
Factory-Built Housing, Manufactured Housing &  
Commercial Modular  
Mobilehome- Permits & Inspections  
Northern Region-(916) 255-2501  
Southern Region-(951) 782-4420  
(916) 445-9471  
Employee Housing Standards

### Department of Public Health

www.dph.ca.gov .....(916) 449-5661  
Organized Camps Standards  
Public Swimming Pools Standards

### Division of the State Architect

www.dgs.ca.gov/dsa .....(916) 445-8100

#### **Access Compliance**

#### **Structural Safety**

Public Schools Standards  
Essential Services Building Standards  
Community College Standards

#### **State Historical Building Safety Board**

Alternative Building Standards

### Office of Statewide Health Planning and Development

www.oshpd.ca.gov .....(916) 440-8356  
Hospital Standards  
Skilled Nursing Facility Standards &  
Clinic Standards  
Permits

### Office of the State Fire Marshal

osfm.fire.ca.gov .....(916) 445-8200  
Code Development and Analysis  
Fire Safety Standards

# HOW TO DETERMINE WHERE CHANGES HAVE BEEN MADE

Symbols in the margins indicate where changes have been made or language has been deleted.

|| This symbol indicates that a change has been made.

> This symbol indicates deletion of language.

## CHAPTER 1

# ADMINISTRATIVE REGULATIONS OF THE CALIFORNIA BUILDING STANDARDS COMMISSION

### ARTICLE 1 GENERAL

**1-101. Abbreviations.** The following abbreviations shall apply to Title 24, California Code of Regulations. Abbreviations may also be provided in each of the other 12 parts of Title 24. Whenever an abbreviation provided in this section conflicts with an abbreviation provided within another part of Title 24, the abbreviation meaning provided in the other part shall prevail within that part.

AGR	Department of Food and Agriculture (see Note)
BSC	Identifies code provisions by the Building Standards Commission (see Note)
BSCC	Identifies code provisions by the Board of State and Community Corrections (see Note)
CA	Department of Consumer Affairs (see Note)
CBC	<i>California Building Code</i> (Part 2 of Title 24)
CCR	California Code of Regulations
CEBC	<i>California Existing Building Code</i> (Part 10 of Title 24)
CEC	<i>California Electrical Code</i> (Part 3 of Title 24)
CEC	<i>California Energy Code</i> (Part 6 of Title 24)
CEC	<i>California Energy Commission</i> (see Note)
CGBSC	<i>California Green Building Standards Code</i> (Part 11 of Title 24) also known as CALGreen
CHBC	<i>California Historical Building Code</i> (Part 8 of Title 24)
CMC	<i>California Mechanical Code</i> (Part 4 of Title 24)
CPC	<i>California Plumbing Code</i> (Part 5 of Title 24)
CRC	<i>California Residential Code</i> (Part 2.5 of Title 24)
CRSC	<i>California Referenced Standards Code</i> (Part 12 of Title 24)
DPH	Identifies code provisions by the Department of Public Health (see Note)
DWR	Identifies code provisions by the Department of Water Resources (see Note)
DSA	Division of the State Architect, a division within the Department of General Services
DSA-SS	Identifies code provisions by the Division of the State Architect-Structural Safety (see Note)
DSA-SS/CC	Identifies provisions by the Division of the State Architect-Structural Safety, applicable to community colleges as specified.
DSA-AC	Identifies code provisions by the Division of the State Architect-Access Compliance (see Note)
DOE	Department of Education
DOT	Department of Transportation
HCD	Housing and Community Development
HCD 1	Identifies code provisions by the HCD (see Note)

HCD 2	Identifies code provisions by the HCD (see Note)
HCD 1AC	Identifies code provisions by the HCD (see Note)
IBC	<i>International Building Code</i> ®
IFC	<i>International Fire Code</i> ®
IEBC	<i>International Existing Building Code</i> ®
IRC	<i>International Residential Code</i> ®
NEC	<i>National Electrical Code</i> ®
NFPA	National Fire Protection Association
OHP	Office of Historical Preservation
OSHPD	Office of Statewide Health Planning & Development
OSHPD 1	Identifies code provisions by OSHPD (see Note)
OSHPD 2	Identifies code provisions by OSHPD (see Note)
OSHPD 3	Identifies code provisions by OSHPD (see Note)
OSHPD 4	Identifies code provisions by OSHPD (see Note)
SFM	Identifies code provisions by the Office of the State Fire Marshal (see Note)
SHSB	Identifies code provisions by State Historical Building Safety Board (see Note)
SL	Identifies code provisions by the State Library (see Note)
SLC	Identifies code provisions by the State Lands Commission (see Note)
UBC™	<i>Uniform Building Code</i> ; the UBC is no longer published or adopted in the current edition of Title 24.
UBC STDS	<i>Uniform Building Code Standards</i> ; the UBC STDS is no longer published, but relevant standards are referenced in the CEBC.
UFC	<i>Uniform Fire Code</i> ; the UFC is no longer published or adopted in the current edition of Title 24.
UHC	<i>Uniform Housing Code</i> ; adopted by HCD in Chapter 1 of Title 25.
UMC	<i>Uniform Mechanical Code</i> ®
UPC	<i>Uniform Plumbing Code</i> ®

**Note:** For information regarding the code provisions adopted by this state agency and the application of such adoptions, see the state agency administrative chapters in the various parts of Title 24, *California Code of Regulations*.

**Authority:** Government Code Section 11000, and Health and Safety Code Section 18931 (f).

**Reference:** Government Code Section 11000, and Health and Safety Code Section 18931 (d).

**1-103. Definitions.** The following definitions shall apply to this Chapter 1, of Part 1, of Title 24, California Code of Regulations. Definitions may also be provided in each of the other eleven parts of Title 24. Whenever a definition provided in this section conflicts with a definition provided within another part of Title 24, the definition provided in the other part shall prevail

within that part. Additional definitions are provided in Article 5 of this chapter.

(a) **ADOPTING AGENCY** (or state adopting agency). An agency of state government with authority in law to develop and adopt building standards for approval and publication in Title 24, California Code of Regulations, by the Commission. An adopting agency has authority to conduct public hearings aside from the public hearings conducted by the Commission. See Proposing Agency.

(b) **APPEAL**. An appeal to the Commission, as provided and limited by Health and Safety Code Sections 18945 through 19849, by any person adversely affected by the application of an existing building standard or administrative regulation in Title 24, by a state agency or local agency. See Petition.

(c) **CALGreen**. The California Green Building Standards in Part 11 of Title 24, California Code of Regulations.

(d) **CHALLENGE**. A public comment received during a comment period and directed at a proposed change or a code advisory committee recommendation or the procedures followed by the Commission in proposing or adopting the action.

(e) **CODE ADVISORY COMMITTEE**. An advisory panel or body appointed to advise the Commission with respect to building standards as authorized by Health and Safety Code Section 18927.

(f) **CODE CHANGE**. A proposed change to, or addition of, a building standard as defined by Health and Safety Code Section 18909, or administrative regulation of Title 24.

(g) **CODE CHANGE SUBMITTAL**. A proposed code change for Title 24 and its justification submitted to the Commission by a proposing agency.

(h) **COMMISSION**. The California Building Standards Commission established under Health and Safety Code, Division 13, Part 2.5, commencing with Section 18901.

(i) **ENFORCING AGENCY (or Enforcement Agency)**. An agency, board, commission, department, division, office or individual assigned by law or ordinance as being responsible for the enforcement of building standards.

(j) **EXECUTIVE DIRECTOR**. The Chief Executive appointed by the California Building Standards Commission pursuant to Health and Safety Code Section 18925, to carry out the duties assigned by the California Building Standards Commission as designated in Health and Safety Code, Division 13, Part 2.5, commencing with Section 18901.

(k) **JUSTIFICATION**. An initial statement of reasons and the information needed to complete a notice of proposed action, including a determination as to the effect of the code change on housing costs.

(l) **PETITION**. A written submittal to the Commission by any person for the purpose of proposing a new building standard or administrative regulation in Title 24, or

the amendment or repeal of an existing building standard or administrative regulation in Title 24.

(m) **PROPOSING AGENCY (or state proposing agency)**. A state agency having authority and responsibility to propose a building standard for adoption by the Commission and publication in Title 24, California Code of Regulations. A proposing agency does not have authority to conduct public hearings for the adoption of building standards. See Adopting Agency.

(n) **PUBLIC UTILITY**. The California Public Utilities Commission (PUC); or which would otherwise be regulated by the PUC but are exempted by municipal charter.

(o) **SPECIAL CODE ADVISORY COMMITTEE**. An ad hoc committee established by the Commission, when necessary, to advise the Commission on a subject in the code needing extensive revision or on a complex subject which needs to be regulated or to perform a review of a proposed code change that warrants special technical review.

(p) **TECHNICAL REVIEW**. A review of a proposed code change and its justification conducted pursuant to Health and Safety Code Section 18930 (c), (d), (e), (f) to ensure that a code change is justified in terms of nine-point criteria of Health and Safety Code Section 18930 (a).

(q) **TITLE 24**. The 24th title within the California Code of Regulations. Title 24 is reserved for building standards and administrative regulations to implement building standards approved and published by the California Building Standards Commission.

**Authority:** Government Code 11000, and Health and Safety Code Sections 18929.1, 18931(f) and 18949.6.

**Reference:** Government Code 11000, and Health and Safety Code Sections 18927, 18929–18932, 18934, 18935, 18936, 18949.1, 18949.2, 18949.3, 18949.5 and 18949.6.

### 1-105. Use of Commission indicia.

(a) Other than the Commission, no person, firm, agency or organization shall copy, duplicate, reprint or otherwise use the indicia of the Commission without the express written approval of the Commission. For the purposes of this section, the Commission's indicia shall include but not be limited to any logo, symbol or emblem used by the Commission to identify codes, standards, bulletins and other documents or properties as being issued, adopted, approved, published or maintained by the Commission.

(b) Requests for approval to copy, duplicate, reprint or otherwise use the indicia of the Commission shall be in writing and be submitted to the Executive Director at: California Building Standards Commission, 2525 Natomas Park Drive, Suite 130, Sacramento, California 95833. The address should be confirmed at the Commission's website. Requests shall include the identification of the intended document or material that is to include the indicium or indicia of the Commission, and the time frame for the proposed usage.

(c) The Executive Director, or his or her designee, shall provide a written response to requests received pursuant to Subsection (b). Approvals of indicia usage may include limitations to a specific usage, type of document or material,

Law and of State Housing Law relating to building standards, with emphasis placed on the adoption, publication and educational efforts associated with green building standards. The fees are to be collected by cities, counties, and cities and counties and transmitted to the California Building Standards Commission. The fees are based on building permit valuation.

**1-503. Definitions.** The words defined in this article shall have the meaning stated therein throughout California Code of Regulations, Title 24, Part 1, Chapter 1, Article 5.

(a) **Building Standards Administration Special Revolving Fund (the Fund).** The fund established in the State Treasury to receive funds submitted by the Commission pursuant to the provisions of Health and Safety Code Section 18931.6 and this article.

(b) **Department.** The Department of Housing and Community Development.

(c) **Fees, appropriate fractions thereof.** Fee increments for permit values less than one-hundred thousand dollars (\$100,000) as described in Section 1-505.

(d) **Office.** The Office of the State Fire Marshal.

**1-505. Fee assessment.**

(a) Fees shall be levied on building permits required for all disciplines covered by Title 24, including, but not limited to, building, electrical, mechanical and plumbing, and for which a valuation is made.

(b) Fees are assessed at a rate of \$4 per \$100,000 of permit valuation, but not less than one dollar, with appropriate fractions thereof shown in the following table:

PERMIT VALUATION	FEE
\$1 – 25,000	\$1
\$25,001 – 50,000	\$2
\$50,001 – 75,000	\$3
\$75,001 – 100,000	\$4
Every \$25,000 or fraction thereof above \$100,000	Add \$1

1. Cities, counties, and cities and counties may retain up to ten percent (10%) of the fees for related administrative costs, code enforcement, and education as permitted by Health and Safety Code Section 18931.6.

2. Cities, counties, and cities and counties may exempt from fee assessment permits for which no valuation is made.

(c) The Commission may reduce the rate of the fee by regulation upon determination that a lesser fee is sufficient to carry out the programs of the Commission, the Department and the Office. The Commission may establish a termination date or duration for the fee reduction period.

**1-507. Fee collection.**

(a) Cities, counties, and cities and counties shall submit fees each quarter, commencing with the quarter beginning January

1 and ending March 31, 2009, due on the fifteenth day of the following month.

1. Each quarter, a city, county, and city and county shall submit a Fee Report Form (BSC-2), Contact Information Form (BSC-3), and a check made payable to the California Building Standards Commission, with the fees collected for that quarter.

**Note:** The form templates are available for downloading at the Commission’s website at [http://www.bsc.ca.gov/proc\\_rslt/pr\\_tmplts.html](http://www.bsc.ca.gov/proc_rslt/pr_tmplts.html).

(b) The Commission shall deposit the moneys collected into the Building Standards Administration Special Fund for use, upon appropriation, by the Commission, the Department, and the Office for use as specified in Section 1-501.

**Authority:** Health and Safety Code Sections 18909(c), 18929, 18930.5, 18931.6 and 18931.7

**Reference:** Health and Safety Code Sections 18930.5, 18931.6 and 18931.7

**HISTORY:**

1. (BSC 02/08) Add new Article 1-10, City, County, and City and County Building Permit Fees. Effective on June 21, 2009.

## HISTORY NOTE APPENDIX FOR CHAPTER 1

### Administrative Regulations for the California Building Standards Commission (Title 24, Part 1, California Code of Regulations)

The format of the history notes has been changed to be consistent with the other parts of the *California Building Standards Code*. The history notes for prior changes remain within the text of this code.

1. (BSC 03/10) Repeal, amend and reformat Chapter 1 of the 2010 California Administrative Code, CCR Title 24, Part 1, effective on August 28, 2011.

2. (BSC 05/10) Add new Section 1-105 to Article 1 Use of Commission Indicia, effective on November 20, 2011.

3. (BSC 02/12) Amend Chapter 1, Article 1, Section 1-101, 1-105, Article 2, Section 1-201, 1-207, 1-209, 1-211, Article 4, Section 1-411, 1-421, Article 5, Section 1-503. Approved by the California Building Standards Commission on January 23, 2013, filed with the Secretary of State on January 28, 2013, and effective 30 days after filing with Secretary of State.

4. Errata to correct editorial errors within the preface and Chapter 1 of this code. Effective January 1, 2014.



- B. Voting Member(s)
  - (1) Disability Access Advocate Knowledgeable in Visually Impaired
  - (2) Disability Access Advocate Knowledgeable in Hearing Impaired
  - (3) Disability Access Advocate Knowledgeable in Mobility Impaired
  - (4) Disability Access Advocate Knowledgeable in Environmental Health Network or Other Cognitively Impaired
  - (5) Local Government Building Official<sup>1</sup>
  - (6) Construction Industry
  - (7) Architect
  - (8) Fire Official
  - (9) Public Member
- 2. **Plumbing, electrical mechanical and energy.** The Commission shall solicit nominations from:
  - A. Ex-Officio Member(s)
    - (1) State Agency Representative(s)
  - B. Voting Member(s)
    - (1) Local Government Building Official<sup>1</sup>
    - (2) Environmental/Energy Organization
    - (3) Construction Industry
    - (4) Architect
    - (5) Fire Official
    - (6) Public Member or Local Government Water Efficiency Official<sup>1</sup>
    - (7) Plumbing Inspector
    - (8) Mechanical Engineer
    - (9) Electrical Engineer
- 3. **Building, fire and other.** The Commission shall solicit nominations from:
  - A. Ex-Officio Member(s)
    - (1) State Agency Representative(s)
  - B. Voting Member(s)
    - (1) Local Government Building Official<sup>1</sup>
    - (2) Registered Fire Protection Engineer
    - (3) Construction Industry
    - (4) Architect
    - (5) Commercial Building Industry
    - (6) Fire Official
    - (7) Disability Access Advocate
    - (8) Public Member
- 4. **Structural design/lateral forces.** The Commission shall solicit nominations from:
  - A. Ex-Officio Member(s)
    - (1) State Agency Representative

- B. Voting Member(s)
  - (1) Three (3) Structural Engineers
  - (2) Architect
  - (3) General Contractor
  - (4) Local Government Building Official<sup>1</sup>
  - (5) Public Member
- 5. **Health facilities.** The Commission shall solicit nominations from:
  - A. Ex-Officio Member(s)
    - (1) State Agency Representative(s)
  - B. Voting Member(s)
    - (1) Acute Care Hospital Representative
    - (2) Skilled Nursing Facility Representative
    - (3) Architect
    - (4) General Contractor
    - (5) Mechanical Engineer
    - (6) Electrical Engineer
    - (7) Fire Protection Engineer
    - (8) Local Government Building Official<sup>1</sup>
    - (9) Primary Care or Specialty Clinic Representative
- 6. **Green building.** The Commission shall solicit nominations from:
  - A. Ex-Officio Member(s)
    - (1) State Agency Representative(s)
  - B. Voting Member(s)
    - (1) Residential Construction Industry Representative
    - (2) Commercial Building Industry Representatives
    - (3) Architect
    - (4) Environmental Organization Representative
    - (5) Local Government Building Official<sup>1</sup>
    - (6) Public Member or Local Government Water Efficiency Official<sup>1</sup>
    - (7) Fire Official
    - (8) Mechanical Engineer or Energy/Building Performance Specialist
    - (9) Electrical Engineer or Energy/Building Performance Specialist

<sup>1</sup> May be a consultant dedicated to full-time building official service for a single city, county or city and county authorized to represent the local agency. [Footnote shall apply to each Local Government Building Official position on every committee.]

**Section 1-211. Application for code advisory committee appointment.**

(a) **Application required.** Persons desiring appointment to a position on a Code Advisory Committee must **take** application to the Commission as required by this section. A separate application is required for each advertised vacancy on

a Code Advisory Committee. The Commission will not maintain applications on file for future consideration.

(b) **Application form.** For each Code Advisory Committee vacancy, a completed *Application for Code Advisory Committee Appointment*, form BSC-7, shall be submitted to the office of the Executive Director, California Building Standards Commission, 2525 Natomas Park Drive, Suite 130, Sacramento, CA 95833. The current address may be verified at the Commission's web site. The application form is available from the Commission or may be obtained on the Commission's web site under Forms and Templates.

The application shall be accompanied by a resume and may be further supported by attachments including letters of support or recommendation and other materials demonstrating expertise and knowledge applicable to the Code Advisory Committee position.

(c) **Application period.** When advertising a vacancy on a Code Advisory Committee, the Commission may establish an application period with a closing date and may, at its discretion, consider applications received after the closing date.

(d) **Selection decision.** The Commission will consider applications and make selections based on qualifications applicable to the Code Advisory Committee vacancy. All decisions by the Commission regarding appointments to Code Advisory Committees are final and are not subject to appeal.

(e) **Notice of appointment.** The Executive Director, or his or her designee, shall provide written notice to applicants selected by the Commission for appointment to a Code Advisory Committee. Written notice shall also be provided to all applicants not selected for appointment to a Code Advisory Committee.

(f) **Application fee.** There is no fee.

**Authority:** Health and Safety Code Sections 18909(c), 18929, 18930.5, 18949.6 and 18931(f).

**Reference:** Health and Safety Code Sections 18927, 18929, 18930.5, 18931(f), 18934, 18936 and 18949.6.

**HISTORY:**

1. (BSC 2/92) Regular order by the California Building Standards Commission to adopt Section 1-901, Part 1, Title 24, California Code of Regulations. Filed with the Secretary of State February 10, 1994; effective March 12, 1994. Approved by the Office of Administrative Law on February 10, 1994.
2. (BSC 02/08) Article 1-9, Code Adoption Process. Amend Section 1-902. Effective June 21, 2009.

**ARTICLE 3  
APPEALS AND PETITION PROCEDURES**

**1-301. Appeals and petitions.** The public may submit appeals and petitions to the Commission as prescribed in this Article.

**1-303. Scope of appeals and types of appellants.** Appeals to the Commission and the matters which can be appealed are as follows:

(a) An appeal may be submitted by any person adversely affected by the administration of building standards or administrative regulations of Title 24, or the enforcement or

the lack of enforcement of Title 24, by any state agency as prescribed in Health and Safety Code Section 18945(a) and this article.

(b) An appeal may be submitted by any person adversely affected by the enforcement of Title 24 by a local enforcement agency, in the company of the local enforcement agency, as prescribed in Health and Safety Code Section 18945(b) and this article. Such joint appeals must have statewide significance.

(c) An appeal may be filed by any person, including a state or local agency adversely affected by an apparent conflict, duplication or overlap of any current Title 24 provision, or any other matter of statewide significance relating to the application of Title 24.

(d) The Commission may accept appeals relating to actions and decisions by state and local agencies to enforce building standards, but may only make recommendations for reconsideration. The Commission has no authority to overturn a decision by a state or local agency when the matter is within the jurisdiction of that state or local agency.

(e) When the basis of an appeal is the action of a state agency other than the Commission, the appellant must obtain a final determination from the state agency in question relating to the issue under appeal before the Commission will hear the appeal.

**Exception:** An apparent conflict, duplication or overlap in other available state appeals procedures or within the regulations or code.

**Authority:** Health and Safety Code Sections 18931, 18945, 18946 and 18949.

**Reference:** Health and Safety Code Sections 18931, 18945, 18946 and 18949.

**HISTORY:**

1. (BSC 1/89) Regular order by the California Building Standards Commission to amend Section 1-601, Part 1, Title 24, California Code of Regulations. Filed with the Secretary of State April 1990; effective April 17, 1990. Approved as a regular order by the California Building Standards Commission on April 16, 1990.

**1-305. (a) Time limitations for appeals.** Appeals will be accepted by the Commission only within:

1. Six months of when the act, interpretation, decision or practice complained of occurred, or
2. As determined by the Commission if special circumstances are found to exist.

**1-307. Appeal form and filing fee.**

(a) The appeal shall be in writing and shall specifically set forth:

1. The specific regulation, rules, interpretation or decision of any state agency respecting the administration of any building standard being appealed.
2. The dates of any act, interpretation or decision of any state agency related to the complaint.
3. The nature of any act, interpretation or decision of any state agency related to the complaint.
4. The reasons for the appeal.
5. Documentation of the official action of the applicable state agency with respect to the agency's final determination on the issue.

3. The assistant inspector shall establish, to the satisfaction of DSA that he or she meets all of the requirements established in Section 4-333(b)5.
4. Failure of the assistant inspector to perform any of the duties specified in these regulations may be cause for DSA to take action as outlined in Section 4-342(c).

**Authority:** Education Code Sections 17310 and 81142.

**Reference:** Education Code Sections 17280, 17309, 17311, 81130, 81139, 31141 and 81143.

#### HISTORY:

1. (OSA/SS 1/92) Regular order by the Office of the State Architect/Structural Safety Section to amend Section 4-333, Part 1, Title 24, C.C.R. Filed with the Secretary of State on December 15, 1992; effective July 1, 1993. Approved by the California Building Standards Commission on December 9, 1992.
2. (DSA/SS 2/95) Regular order by the Division of the State Architect/Structural Safety Section to amend Section 4-333. Filed with the Secretary of State on August 14, 1996, becomes effective September 13, 1996. Approved by the California Building Standards Commission on March 19, 1996.

**4-333.1. Project inspector certification.** To become a DSA certified project inspector, an applicant must successfully complete a written examination administered by DSA. The examination measures the applicant's ability to read and comprehend construction plans as well as the construction, inspection and testing requirements of the *California Building Standards Code*. Examinations are given in four classes.

1. A Class 1 certified inspector may be approved to inspect any project.
2. A Class 2 certified inspector may be approved to inspect any project, except a project containing one or more new structures or additions with a primary lateral force resisting system of steel, masonry or concrete.
3. A Class 3 certified inspector may be approved to inspect projects containing alterations to approved buildings, site placement of relocatable buildings and construction of minor structures.
4. A Class 4 certified inspector may be approved to inspect projects containing site placement of relocatable buildings and associated site work.

An applicant shall be not less than 25 years of age, possess a high school diploma or equivalent, and shall meet the following minimum qualifications:

(a) For Class 1 inspector exam, one of the following:

1. Six years of experience as an architect's, engineer's, owner's, or local building official's representative in building code-enforcement inspection of non-residential construction with a valid certification as a commercial combination building inspector by a state- or nationally-recognized organization, as accepted by DSA. (Note: Possession of a valid California registration as a structural engineer, civil engineer, or a valid California license as an architect may be substituted for four years of required experience.); or,
2. Six years of qualifying experience as the lead project construction superintendent on:
  - a. new building public school construction projects subject to the requirements of Education Code

Sections 17280 or 81130, and these regulations; and/or,

- b. construction of new hospital buildings as defined by Section 129725 of the Health and Safety Code; or,
3. Three years of qualifying experience as a DSA certified Class 2 project inspector and valid certification as a special inspector for steel, or concrete, or masonry construction by a state- or nationally-recognized organization, as accepted by DSA, with two years of experience in special inspection; or,
4. Possession of certification as DSA Class 2 project inspector and four years of experience as an assistant project inspector in Class 1 school construction projects.

(b) For Class 2 inspector exam, one of the following:

1. Four years of experience as an architect's, engineer's, owner's, or local building official's representative in building code-enforcement inspection of non-residential construction with a valid certification as a commercial combination building inspector by a state- or nationally-recognized organization, as accepted by DSA. (Note: Possession of a valid California registration as a structural engineer, civil engineer, or a valid California license as an architect may be substituted for three years of required experience.); or,
2. Four years of qualifying experience as the lead project construction superintendent on:
  - a. new building public school construction projects subject to the requirements of Education Code Sections 17280 or 81130, and these regulations; and/or,
  - b. construction of new hospital buildings as defined by Section 129725 of the Health and Safety Code; or,
3. Three years of qualifying experience as a DSA certified Class 3 project inspector; or,
4. Possession of certification as DSA Class 3 project inspector and four years of experience as an assistant project inspector in Class 1 or 2 school construction projects.

(c) For Class 3 inspector exam, one of the following:

1. Three years of experience as an architect's, engineer's, owner's, or local building official's representative in building code-enforcement inspection of non-residential construction with a valid certification as a commercial combination building inspector by a state- or nationally-recognized organization, as accepted by DSA; or,
2. Possession of a valid California registration as a structural engineer, civil engineer, or a valid California license as an architect; or,
3. Four years of qualifying experience as the lead project construction superintendent. (Note: Experience may be substituted with college education with major work in architecture, engineering, building inspection and/or

construction on a year-for-year basis for a maximum of two years); or,

4. Two years of qualifying experience as a DSA certified Class 4 project inspector and two years of qualifying education with major work in architecture, engineering, building inspection and/or construction; or,
  5. Possession of certification as DSA Class 4 project inspector and three years of experience as an assistant project inspector in Class 1, 2, or 3 school construction projects.
- (d) For Class 4 inspector exam, one of the following:
1. Two years of experience as an architect's, engineer's, owner's, or local building official's representative in building code-enforcement inspection with a valid certification as a commercial combination building inspector by a state- or nationally-recognized organization, as accepted by DSA; or,
  2. Two years of qualifying experience as the lead project construction superintendent. (Note: One year of experience may be substituted with one year of college education with major work in architecture, engineering, building inspection and/or construction); or,
  3. Four years of a relevant and varied construction experience at a minimum of journeyman level. (Note: Experience may be substituted with college education with major work in architecture, engineering, building inspection and/or construction on a year-for-year basis for a maximum of two years); or,
  4. Valid certification as a building code-enforcement inspector by a state- or nationally-recognized organization, as accepted by DSA, and three years of qualifying inspection experience. Certification and experience may be gained in building inspection or structural special inspection.

DSA may charge an examination fee to recover reasonable fees and costs.

An applicant for the certification examination or an inspector possessing a valid certificate issued by DSA, shall file changes of name, mailing address or telephone number with the DSA headquarters office within 10 working days of that change. The information filed shall include the new and former name, mailing address or telephone number.

Certification will be valid for a period of four years unless revoked in accordance with Section 4-342(d) or upgraded by achieving certification in a different class. Certification may be renewed by attending DSA training classes and passing a recertification examination.

**Authority:** Education Code Sections 17310 and 81142.

**Reference:** Education Code Sections 17311 and 81143.

#### **4-334. Supervision by the Division of the State Architect.**

During construction, reconstruction, rehabilitation, repair, alteration of, or addition to any school building, DSA, as provided by the Act, shall make such site visits as in its judgment are necessary for proper enforcement of the Act and the protection of the safety of the pupils, the teachers and the public. If at any time as the work progresses, prior to the issuance of the cer-

tification of compliance it is found that modifications or changes are necessary to secure safety or to comply with code requirements, DSA shall notify the responsible architect, or responsible structural engineer and school district, of the necessity for such modifications or changes.

**Authority:** Education Code Sections 17310 and 81142.

**Reference:** Education Code Sections 17311 and 81143.

#### **HISTORY:**

1. (OSA/SS 1/92) Regular order by the Office of the State Architect/Structural Safety Section to amend Section 4-334, Part 1, Title 24, C.C.R. Filed with the Secretary of State on December 15, 1992; effective July 1, 1993. Approved by the California Building Standards Commission on December 9, 1992.

#### **4-334.1. Stop work order.**

(a) Whenever DSA finds any construction work being performed in a manner contrary to the provisions of this code and that would compromise the structural integrity of the building, the Department of General Services, State of California, is authorized to issue a stop work order.

(b) The stop work order shall be in writing and shall be given to the owner of the property involved, or the owner's agent, or the person doing the work. Upon issuance of a stop work order, the cited work shall immediately cease. The stop work order shall state the reason for the order, and the conditions under which the cited work will be permitted to resume.

(c) Any person who continues working on the cited work after having been served with a stop work order, except such work as that person is directed to perform to remove a violation or unsafe condition, shall be subject to penalties as prescribed by law.

**Authority:** Education Code Sections 17310 and 81142.

**Reference:** Education Code Sections 17307.5 and 81133.5.

#### **4-335. Structural tests and special inspections.**

(a) **General.** Structural tests and special inspections are required as set forth in these regulations and Part 2 of Title 24, C.C.R.

Whenever there is insufficient evidence of compliance with any of the provisions of Title 24, C.C.R., or evidence that any material or construction does not conform to the requirements of Title 24, C.C.R., DSA may require tests/inspections as proof of compliance to be made at no expense to DSA.

Test/inspection methods shall be as specified by Title 24, C.C.R. and by applicable referenced standards, as listed in Chapter 35 of Part 2 of Title 24, C.C.R. If there are no recognized and accepted test/inspection methods, the responsible architect or structural engineer shall submit written alternate test/inspection procedures for review and acceptance by DSA.

The school board shall, with the advice of the responsible architect or structural engineer, select the laboratory of record, acceptable to DSA in accordance with Section 4-335.1, to conduct all required tests for the project, and special inspections which are contracted to the laboratory of record. The laboratory of record shall be directly employed by the school board and not be in the employ of any other agency or individual.

All tests shall be made by a laboratory acceptable to DSA, as described in Section 4-335.1. Where job conditions warrant, the responsible architect or structural engineer may waive cer-

tain tests with the approval of DSA. The responsible architect or structural engineer shall prepare a statement of structural tests and special inspections, obtain DSA approval and provide a copy of the approved statement of structural tests and special inspections to the laboratory of record and the project inspector prior to the start of construction.

(b) **Payments.** The school board shall pay for all tests/inspections, but if so specified the amount or a portion thereof may be collected from the contractor by the school board. When in the opinion of the architect or registered engineer, additional tests/inspections are required because of the manner in which the contractor executes his or her work, such tests/inspections shall be paid for by the schoolboard, but if so specified the amount paid may be collected from the contractor by the school board. Examples of such tests/inspection are: tests of material substituted for previously accepted materials,

retests or re-inspections made necessary by the failure of material to comply with the requirements of the approved construction documents and specifications, and load tests necessary because certain portions of the structure have not fully met specification or plan requirements.

(c) **Sampling and testing of materials.** Samples or specimens of material for testing shall be taken by a qualified representative of the laboratory of record. For a minor scope of work, the project inspector may, if qualified and other duties permit, be authorized in writing by DSA to obtain, handle, prepare, protect, transport, and/or store test specimens.

In general, samples may be selected at random; however, if there is reason to believe that specific materials may be defective, sample locations may be selected by the project inspector, responsible architect or structural engineer or DSA representa-

*Text continues on page 51.*



**PHASED PLAN REVIEW** is the process that, at its sole discretion, engages the Office early in the project design and continues through the development and submission of documents during the conceptualization, criteria design, detailed design, implementation documents, Office review, construction and closeout phases. Within each phase, milestones are established for specific, agreed upon points where segments/elements of the design/building system are completely designed and/or defined in their entirety. The Office provides an agreed upon level of review that allows for written conditional acceptance of these elements and/or systems.

**PRIMARY GRAVITY LOAD RESISTING SYSTEM (PGLRS)** means assembly of structural elements in the building that resists gravity loads, including floor and roof beams/girders supporting gravity loads or any other members designed to support significant gravity loads. Foundations supporting loads from the PGLRS shall be considered part of the PGLRS.

**PROGRAM FLEXIBILITY** means the approved use of an alternate space utilization, new concepts of design, treatment techniques or alternate finish materials. Program flexibility requests must be reviewed by the Department of Public Health and the Office, or other authority having jurisdiction.

**RECONSTRUCTION** means the rebuilding of any “existing building” to bring it into full compliance with these regulations and all applicable parts of the *California Building Standards Code*.

**SEISMIC FORCE RESISTING SYSTEM (SFRS)** means assembly of structural elements in the building that resists seismic loads, including struts, collectors, chords, diaphragms and trusses. Foundations supporting loads from the SFRS shall be considered part of the SFRS.

**SIGN, SIGNED, SIGNATURE, SIGNATURES** means to affix an individual’s signature by manual, electronic or mechanical methods. Manual method includes, but is not limited to, a pen and ink signature. Electronic method includes, but is not limited to, scanned signature images embedded in construction documents, faxes or other electronic document files. Mechanical method includes, but is not limited to, rubber stamp signature.

**SITE DATA** means reports of investigation into geology, earthquake ground motion and geotechnical aspects of the site of a health facility construction project.

**SMALL BUSINESS** means a firm that complies with the provisions of Government Code Section 14837.

**STRUCTURAL ELEMENTS** means floor or roof diaphragms, decking, joists, slabs, beams or girders; columns; bearing walls; retaining walls; masonry or concrete nonbearing walls exceeding one story in height; foundations; shear walls or other lateral force resisting members; and any other elements necessary to the vertical and lateral strength or stability of either the building as a whole or any of its parts including connections between such elements.

**STRUCTURAL ENGINEER** means a person licensed as a structural engineer under Chapter 7 (commencing with Section

6700), Division 3, the California Business and Professions Code.

**STRUCTURAL REPAIRS** means any change affecting existing or requiring new structural elements primarily intended to correct the effects of deterioration or impending or actual failure, regardless of cause.

**VOLUNTARY STRUCTURAL ALTERATION** means any alteration of existing structural elements or provision of new structural elements which is not necessary for vertical or lateral support of other work and is initiated by the applicant primarily for the purpose of increasing the vertical or lateral load carrying strength or stiffness of an existing building.

**HISTORY:**

1. (OSHPD 2/95) Regular order by the Office of Statewide Health Planning and Development to amend Section 7-111. Filed with the secretary of state on August 14, 1996, becomes effective September 13, 1996. Approved by the California Building Standards Commission on March 19, 1996.
2. (OSHPD 1/96) 1996 Annual Code Adoption Cycle will amend Section 7-111, of Part 1, Title 24, C.C.R. Filed with the secretary of state on March 4, 1997; effective April 3, 1997. Approved by the California Building Standards Commission on February 6, 1997.
3. (OSHPD/EF 1/92) Emergency order by the Office of Statewide Health Planning and Development to amend Sections 7-111 and 7-191, Part 1, Title 24, California Code of Regulations. Filed as an emergency order with the secretary of state September 1, 1992; effective September 1, 1992. Approved as an emergency by the California Building Standards Commission on August 27, 1992.
4. (OSHPD/EF 1/92, permanent) Emergency order by the Office of Statewide Health Planning and Development to amend Sections 7-111 and 7-191, Part 1, Title 24, California Code of Regulations. Filed as a permanent order with the secretary of state on March 9, 1993; effective March 9, 1993. Approved as a permanent order by the California Building Standards Commission on March 5, 1993.

**ARTICLE 3  
APPROVAL OF CONSTRUCTION DOCUMENTS**

**7-113. Application for plan, report or seismic compliance extension review.**

(a) Except as otherwise provided in this part, before commencing construction or alteration of any health facility, the governing board or authority thereof shall submit an application for plan review to the Office, and shall obtain the written approval thereof by the Office describing the scope of work included and any special conditions under which approval is given.

1. The application shall contain a definite identifying name for the health facility, the name of the architect or engineer who is in responsible charge of the work, pursuant to Section 7-115 (a), the names of the delegated architects or engineers responsible for the preparation of portions of the work pursuant to Section 7-115 (a) 3, the estimated cost of the project and all such other information required for completion of the application. The architect or engineer in responsible charge or having delegated responsibility may name one or more persons to act as an alternate(s), provided such persons are architects or engineers qualified under these regulations to assume the responsibility assigned.

2. Submission of documents to the Office may be in three consecutive stages:
  - A. Geotechnical Review: One application for plan review and, when applicable, three copies of the site data must be attached.
  - B. Preliminary Review: Two copies of reports or preliminary plans and outline specifications. Plans/drawings size shall not exceed 36 × 48 inches, and bundled sets of plans/drawings shall not exceed 40 lbs in weight.
  - C. Final Review: Two copies of final construction documents and reports. Plans/drawings size shall not exceed 36 × 48 inches, and bundled sets of plans/drawings shall not exceed 40 lbs in weight.

(b) Application for seismic compliance extension requires submission of OSHPD Application Form #OSH-FD-384, "Application for 2008 Extension/Delay in Compliance." The submittal must comply with the applicable requirements of Chapter 6, Article 1, Section 1.5.2 "Delay in Compliance."

(c) For every project there shall be an architect or engineer in responsible charge of reviewing and coordinating all submittals, except as set forth in Section 7-115(c).

1. A project may be divided into parts, provided that each part is clearly defined by a building or similar distinct unit. The part, so defined, shall include all portions and utility systems or facilities necessary to the complete functioning of that part. Separate assignments of the delegated architects or engineers pursuant to Section 7-115 (a) 3 may be made for the parts. Incremental projects pursuant to Section 7-131 shall consist of only one building.

(d) The assignment of the delegated architect or engineer pursuant to Section 7-115 (a) 3 and the responsibility for the preparation of construction documents and the administration of the work of construction for portions of the work shall be clearly designated on the application for approval of reports or construction documents.

**Authority:** Health and Safety Code Sections 18929 and 129675–130070.

**Reference:** Health and Safety Code Section 129850.

**HISTORY:**

1. (OSHPD 2/95) Regular order by the Office of Statewide Health Planning and Development to amend Section 7-113. Filed with the secretary of state on August 14, 1996, becomes effective September 13, 1996. Approved by the California Building Standards Commission on March 19, 1996.

**7-115. Preparation of construction documents and reports.**

(a) All construction documents or reports, except as provided in (c) below shall be prepared under an architect or engineer in responsible charge. Prior to submittal to the office, the architect or engineer in responsible charge for a project shall sign every sheet of the drawings, and the title sheet, cover sheet or signature sheet of specifications and reports. A notation may be provided on the drawings indicating the architect's or engineer's role in preparing and reviewing the documents. Plans/drawings submitted to the office shall not exceed the size and weight described in Section 7-113 (a) (2).

1. Except as provided in paragraph 2 below, the architect or engineer in responsible charge of the work shall be an architect or structural engineer.

2. For the purposes of this section, a mechanical, electrical or civil engineer may be the engineer in responsible charge of alteration or repair projects that do not affect architectural or structural conditions, and where the work is predominately of the kind normally performed by mechanical, electrical or civil engineers.
3. The architect or engineer in responsible charge may delegate the preparation of construction documents and administration of the work of construction for designated portions of the work to other architects and/or engineers as provided in (b) below. Preparation of portions of the work by others shall not be construed as relieving the architect or engineer in responsible charge of his rights, duties and responsibilities under Section 129805 of the Health and Safety Code.

(b) Architects or engineers licensed in the appropriate branch of engineering, may be responsible for the preparation of construction documents and administration of the work of construction as permitted by their license, and as provided below. Architects and engineers shall sign and affix their professional stamp to all construction documents or reports that are prepared under their charge. All construction documents shall be signed and stamped prior to issuance of a building permit.

1. The structural construction documents or reports shall be prepared by a structural engineer.
2. A mechanical or electrical engineer may prepare construction documents or reports for projects where the work is predominately of the kind normally prepared by mechanical or electrical engineers.
3. A civil engineer may prepare construction documents or reports for the anchorage and bracing of nonstructural equipment.

(c) A licensed specialty contractor may prepare construction documents and may administer the work of construction for health facility construction projects, subject to the following conditions:

1. The work is performed and supervised by the licensed specialty contractor who prepares the construction documents,
2. The work is not ordinarily within the standard practice of architecture and engineering,
3. The project is not a component of a project prepared pursuant to 7-115 (a) and (b),
4. The contractor responsible for the design and installation shall also be the person responsible for the filing of reports, pursuant to Section 7-151,
5. The contractor shall provide with the application for plan review to the Office a written and signed statement stating that he or she is licensed, the number of the license, and that the license is in full force and effect, and
6. The work is limited to one of the following types of projects:
  - A. Fire protection systems where none of the fire sprinkler system piping exceeds 2 1/2 inches (63.5 mm) in diameter.





# Testing for the 2013 California Codes Begins January 1, 2014

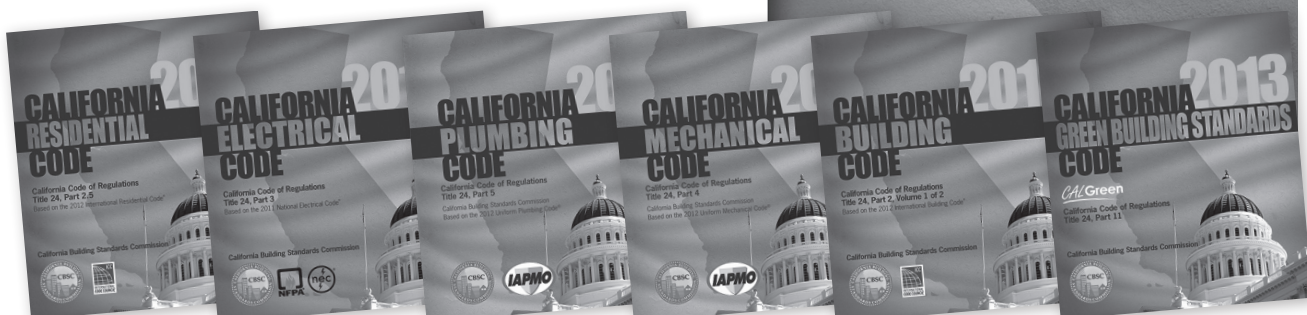
The new California Codes are the path to building a safe, sustainable, and resilient California—an ICC Certification in the 2013 codes demonstrates your commitment to this mission. If you need help preparing, ICC sells reference materials at [shop.iccsafe.org](http://shop.iccsafe.org)

Don't forget, ICC also offers National Special Inspector Certifications in seven categories:

- Reinforced Concrete
- Structural Masonry
- Spray-applied Fireproofing
- Prestressed Concrete
- Soils
- Structural Steel and Bolting
- Structural Welding

Learn more about the Special Inspector exams or see a list of all ICC National Certification exams at [www.iccsafe.org/exams](http://www.iccsafe.org/exams)

Register for California code exams at  
[www.iccsafe.org/CAexams](http://www.iccsafe.org/CAexams)



NEW!

## INSPECTOR SKILLS

*The first book to address the “other” skills necessary for the people side of inspection*

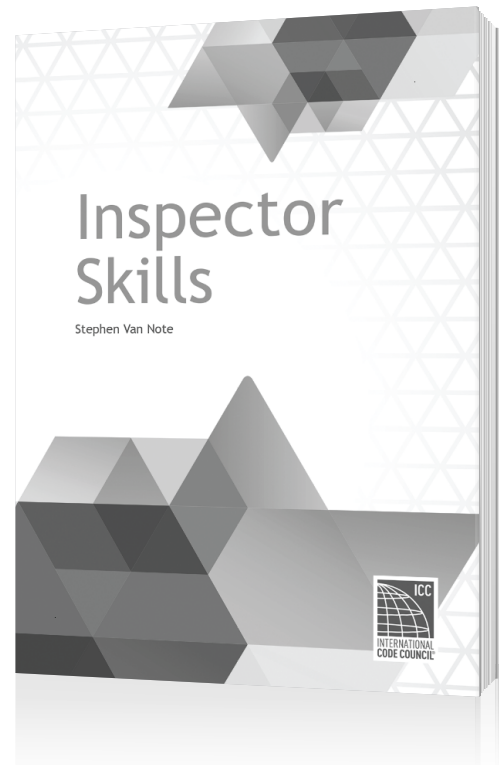
When coupled with a solid technical knowledge of codes and construction practices, effective “soft skills” elicit cooperation, generate respect and credibility, and improve the image of inspectors and code safety departments. Soft skills are non-technical traits and behaviors that enhance an inspector’s ability to interact with others and to successfully carry out job duties.

Topics include:

- Approaches to inspection
- Getting along
- Customer service
- Ethics
- Effective communication
- And much more

ICC’s new **Inspector Skills** raises awareness of the importance of soft skills and provides guidance for improving those skills. The book is ideal for inspectors in all disciplines and can also benefit students, permit technicians, plan reviewers and building officials.

**SOFT COVER #7104S**



NOW IN ONE VOLUME!

## 2012 INTERNATIONAL BUILDING CODE HANDBOOK

*A comprehensive, full-color guide to the 2012 IBC technical provisions*

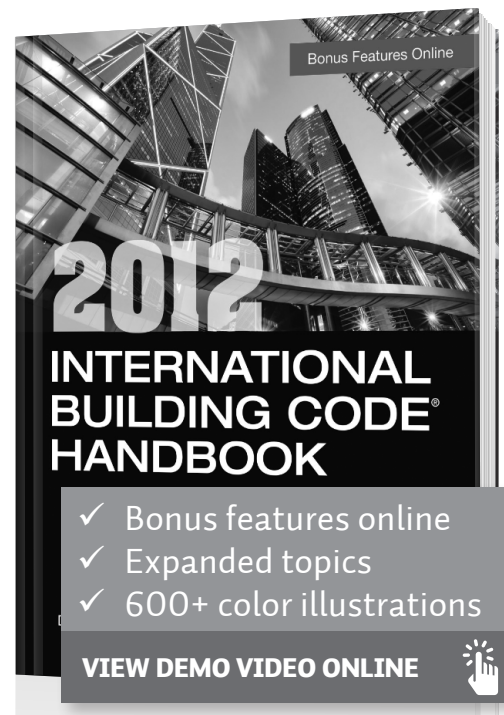
This visual guide makes it easy to understand and apply complex IBC provisions. **ICC code experts Douglas W. Thornburg, AIA, and John R. Henry, P.E.**, skillfully interpret all technical provisions of the code: structural and nonstructural, as well as fire- and life-safety.

Features:

- Provides the rationale behind the code provisions to clarify the intent and facilitate proper application and enforcement
- Includes more than 600 full-color illustrations
- Helps you achieve full compliance with every aspect of the code

(1,008 pages)

**HARD COVER #4000S12**



**ORDER YOURS TODAY! 1-800-786-4452 | [www.iccsafe.org/books](http://www.iccsafe.org/books)**