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# **THE CITY OF PHILADELPHIA**



## **LOCAL AMENDMENTS TO THE INTERNATIONAL CODE COUNCIL'S ELECTRICAL, ENERGY CONSERVATION, EXISTING BUILDING, FUEL GAS, MECHANICAL, PERFORMANCE, AND RESIDENTIAL CODES 2007**

(SUBCODES OF TITLE 4, THE BUILDING CONSTRUCTION  
AND OCCUPANCY CODE OF THE CITY OF PHILADELPHIA)

CONFORMING TO THE PENNSYLVANIA  
UNIFORM CONSTRUCTION CODE (ACT 45 OF 1999)

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# HISTORY

## **PHILADELPHIA BUILDING CONSTRUCTION AND OCCUPANCY CODE**

The Philadelphia Building Construction and Occupancy Code (BCOC) is composed of twelve subcodes, the Administrative, Building, Electrical, Energy Conservation, Existing Building, Fire, Fuel Gas, Mechanical, Performance, Plumbing, Property Maintenance and Residential Codes, that together comprise Title 4 of the City of Philadelphia Code of General Ordinances. Along with Title 14, the Zoning Code, these codes regulate all matters relating to construction, additions, alterations and changes of occupancy classification of buildings and other structures. The Fire and Property Maintenance Codes also provide for continuing responsibility to ensure that the many safeguards for the protection of life, welfare and health required by the family of codes are properly maintained.

The BCOC is founded on principles intended to establish provisions that: adequately protect public health, safety and welfare; do not unnecessarily increase construction costs; do not restrict the use of new materials, products or methods of construction; and do not give preferential treatment to particular types or classes of materials, products or methods of construction.

### **Philadelphia Administrative Code**

The *Philadelphia Administrative Code* is not based on the ICC model and is not included here. It is available as a separate publication.

The Administrative subcode is a necessary companion to the technical subcodes in order to properly use and apply them. The bulk of administrative provisions are addressed within the *Philadelphia Administrative Code*, which is a single regulatory document that incorporates ordinances and regulations to administer the eleven technical subcodes in the BCOC.

### **Philadelphia Building Code**

The *Philadelphia Building Code* is modeled on the 2006 *International Building Code*<sup>®</sup>; however, there are many local modifications. They are not included in this document. The *Philadelphia Building Code* is available as a separate publication that integrates the text of the 2006 *International Building Code*<sup>®</sup> and the many local changes.

### **Philadelphia Electrical Code**

The *Philadelphia Electrical Code* is incorporated as Subcode "E" of the BCOC.

The first edition of the *Philadelphia Electrical Code*, as a subcode within the BCOC, was developed as part of a major reformatting and update effort in 1997. It represented the first major rewrite since the original *Philadelphia Electrical Code* was adopted by the Department of Licenses and Inspections in 1964.

The second edition in 2004 adopted, with State of Pennsylvania and City of Philadelphia modifications, the International Code Council's *2003 ICC Electrical Code – Administrative Provisions*<sup>®</sup>. This was done in accordance with Pennsylvania State Act 45 of 1999, the Pennsylvania Uniform Construction Code.

The third edition of the code as a part of the BCOC, effective January 1, 2007, adopts the *2006 ICC Electrical Code – Administrative Provisions*<sup>®</sup> with local modifications.

First edition: June, 1997.

Second edition: January, 2004.

Third edition: January, 2007.

### **Philadelphia Energy Conservation Code**

The *Philadelphia Energy Conservation Code* is incorporated as Subcode "EC" of the BCOC.

The first edition of the BCOC incorporated the Council of American Building Officials *Model Energy Code* as a reference from the Building Code, rather than as a separate subcode. This reference was later updated to the International Code Council's *International Energy Conservation Code*®.

The second edition of the BCOC in 2004 adopted, with State of Pennsylvania and City of Philadelphia modifications, the International Code Council's 2003 *International Energy Conservation Code*®. It was the first printing of the Energy Conservation Code as a separate subcode. This was done in accordance with Pennsylvania State Act 45 of 1999, the Pennsylvania Uniform Construction Code.

This is the third edition of the BCOC. In this edition, the City of Philadelphia adopts, effective January 1, 2007, the *2006 International Energy Conservation Code*® with local modifications.

First edition: January, 2004

Second edition: January 2007

### **Philadelphia Existing Building Code**

The *Philadelphia Existing Building Code* is incorporated as Subcode "EB" of the BCOC.

There was no model Existing Building Code at the time the first edition of the BCOC was developed in 1997. The Building Code and its companion codes contained the methodologies to approach construction activity on or within existing buildings, and changes of occupancy.

The second edition of the BCOC in 2004 adopted, with State of Pennsylvania and City of Philadelphia modifications, the International Code Council's 2003 *International Existing Building Code*®. This was done in accordance with Pennsylvania State Act 45 of 1999, the Pennsylvania Uniform Construction Code. It was the first printing of the Existing Building Code as a separate subcode in the Philadelphia BCOC.

This is the third edition of the BCOC. In this edition, the City of Philadelphia adopts, effective January 1, 2007, the *2006 International Existing Building Code* with local modifications.

The *Philadelphia Existing Building Code* provides an alternative to the methodologies for this activity contained within the other technical codes.

First edition: January, 2004.

Second edition: January, 2007.

### **Philadelphia Fire Code**

The *Philadelphia Fire Code* is modeled on the *2006 International Fire Code*®; however, there are many local modifications. They are not included in this document. The *Philadelphia Fire Code* is available as a separate publication that integrates the text of the *2006 International Fire Code*® and the many local changes.

### **Philadelphia Fuel Gas Code**

The *Philadelphia Fuel Gas Code* is incorporated as Subcode "G" of the BCOC.

The first edition of the BCOC incorporated requirements for fuel gas systems as part of the Mechanical Code and other referenced standards, rather than as a separate subcode.

The second edition of the BCOC in 2004 adopted, with State of Pennsylvania and City of Philadelphia modifications, the International Code Council's 2003 *International Fuel Gas Code*<sup>®</sup>. It was the first printing of the Fuel Gas Code as a separate subcode. This was done in accordance with Pennsylvania State Act 45 of 1999, the Pennsylvania Uniform Construction Code.

This is the third edition of the BCOC. In this edition, the City of Philadelphia adopts the *2006 International Fuel Gas Code*<sup>®</sup> with local modifications.

First edition: January, 2004.

Second Edition: January 2007.

### **Philadelphia Mechanical Code**

The *Philadelphia Mechanical Code* is incorporated as Subcode "M" of the BCOC.

The first edition of the *Philadelphia Mechanical Code* as a subcode within the BCOC was developed as part of a major reformatting and update effort in 1997. This was the first time that the City of Philadelphia had a separate Mechanical Code. Previously, mechanical provisions were contained within the Building Code.

The second edition of the BCOC in 2004 adopted, with State of Pennsylvania and City of Philadelphia modifications, the International Code Council's *2003 International Mechanical Code*<sup>®</sup>. This was done in accordance with Pennsylvania State Act 45 of 1999, the Pennsylvania Uniform Construction Code.

This is the third edition of the code as part of the BCOC. In this edition, the City of Philadelphia adopts the *2006 International Mechanical Code*<sup>®</sup>, with those local modifications necessitated by the specific characteristics of the State of Pennsylvania and of the City of Philadelphia.

First edition: June, 1997.

Second edition: January, 2004.

Third edition: January, 2007.

### **Philadelphia Performance Code**

The *Philadelphia Performance Code* is incorporated as Subcode "PC" of the BCOC.

The first edition of the BCOC did not include any provisions for performance-based design of buildings and facilities. Any such approach was dealt with through the variance process of the Board of Building Standards.

The *Philadelphia Performance Code* was first adopted as subcode "PC" in the second edition of the BCOC in 2004. The 2004 BCOC adopted, with State of Pennsylvania and City of Philadelphia modifications, the International Code Council's *2003 International Performance Code*<sup>®</sup> for Buildings and Facilities. This was done in accordance with Pennsylvania State Act 45 of 1999, the Pennsylvania Uniform Construction Code.

In this third edition of the BCOC, the City of Philadelphia adopts the *2006 International Performance Code*<sup>®</sup>, with local modifications.

First edition: January, 2004.

Second edition: January, 2007.

### **Philadelphia Plumbing Code**

The *Philadelphia Plumbing Code* is not based on the ICC model code and is not included here. It is available as a separate publication.

## **Philadelphia Property Maintenance Code**

The *Philadelphia Property Maintenance Code* is not based on the ICC model code and is not included here. It is available as a separate publication.

## **Philadelphia Residential Code**

The *Philadelphia Residential Code* is incorporated as Subcode "R" of the BCOC.

The first edition of the BCOC did not adopt a model Residential Code. The Building Code and its companion codes contained the requirements for the construction and occupancy of one- and two-family dwellings.

The second edition of the BCOC in 2004 adopted, with State of Pennsylvania and City of Philadelphia modifications, the International Code Council's *2003 International Residential Code for One- and Two-Family Dwellings*<sup>®</sup> as the first edition of Philadelphia Subcode "R." This was done in accordance with Pennsylvania State Act 45 of 1999, the Pennsylvania Uniform Construction Code.

This is the third edition of the BCOC. In this edition, the City of Philadelphia adopts the *2006 International Residential Code for One- and Two-Family Dwellings*<sup>®</sup>, with those local modifications necessitated by the specific characteristics of the State of Pennsylvania and of the City of Philadelphia.

The Residential subcode is developed as a comprehensive, stand-alone code with minimum prescriptive requirements for one- and two-family dwellings and townhouses. It is fully compatible with the Building, Electrical, Energy Conservation, Existing Building, Fire, Fuel Gas, Mechanical, Performance, Plumbing, and Property Maintenance Codes.

First edition: January, 2004.

Second edition: January, 2007.

# NOTE TO READERS OF THE CITY OF PHILADELPHIA'S LOCAL CODE AMENDMENTS

## Local Modifications

Effective January 2004, in accordance with the Pennsylvania Uniform Construction Code, Act 45 of 1999, the City of Philadelphia adopted, with amendments by the state and by the city, the following model codes from the International Code Council (ICC):

- International Building Code
- Electrical Code - Administrative Provisions
- International Energy Conservation Code
- International Existing Building Code
- International Fire Code
- International Fuel Gas Code
- International Mechanical Code
- ICC Performance Code
- International Residential Code

These codes with the aforementioned modifications replaced the previous standards of the 1997 Philadelphia Building Construction and Occupancy Code.

Effective January 1, 2007 the City of Philadelphia adopted the ICC's 2006 editions of these codes, again with local amendments.

The local amendments to the Electrical, Energy Conservation, Existing Building, Fuel Gas, Mechanical, Performance, and Residential codes were not numerous. They are compiled within this document.

The local amendments to the Building and Fire codes were more numerous and the Philadelphia editions of those codes are published separately. The Philadelphia Administrative, Plumbing and Property Maintenance codes are not based on the ICC model codes and these Philadelphia codes are available as separate publications.

Sections of the 2006 ICC codes that have been modified by the State of Pennsylvania or City of Philadelphia are identified herein by a letter (E- Electrical, EC- Energy Conservation, and so on) preceding the section or subsection number.

City of Philadelphia regulations are printed within the section or subsection under which they were promulgated. This location style provides code users with a single source for all requirements pertaining to a topic. Regulations are printed with the designation "(R)" behind the section number to distinguish them from ordinance text.

## Further Information

Errata, updates, and additional information about these codes may be found at:

International Code Council: [WWW.ICCSAFE.ORG](http://WWW.ICCSAFE.ORG)

State of Pennsylvania: [WWW.DLI.STATE.PA.US](http://WWW.DLI.STATE.PA.US)

City of Philadelphia: (along with electronic versions of local amendments and regulations) [WWW.PHILA.GOV](http://WWW.PHILA.GOV)

## **Formatting Features**

A number of features are incorporated into this document for the convenience of the user.

Definitions of terms are located within the chapter or section that represents the predominant subject matter associated with each term. Definitions that are predominantly administrative and those that have broad applicability throughout the code remain in full in Chapter 2 of each code. All defined terms are listed alphabetically in Chapter 2 followed by either the text of the definition or a reference to the section number that contains the text of the definition.

An indenting feature is used in tandem with the code's decimal-based section numbering system to clearly indicate the hierarchy of each subsection. The numbering system enables the code user to know immediately the section to which a subsection is subordinate, since each subsection begins with the main section number, which is keyed to the chapter number.

Values that are stated in the U.S. customary units of measurement are to be regarded as the code requirements. The metric equivalents of U.S. customary units may be approximate. Nominal sizes included in the code indicate the common designation of materials by that industry and metric equivalents are not indicated.

Throughout the code, references to "International" codes or "ICC" codes shall be deemed to refer to the "Philadelphia" codes of the same name.



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2007  
City of Philadelphia  
Amendments to  
The International Code Council  
Electrical Code - Administrative Provisions

## CHAPTER 1 SCOPE

**(Delete text of Chapter in its entirety and substitute the following.)**

### SECTION E-101 GENERAL

**E-101.1 Title.** These provisions shall be known as the Philadelphia Electrical Code and shall be cited as such and will be referred to herein as “this code.”

**E-101.2 Purpose.** The purpose of this code is to provide minimum standards to safeguard life or limb, health, property and public welfare by regulating and controlling the design, construction, installation, quality of materials, location, operation, and maintenance or use of electrical systems and equipment.

**E-101.3 Scope.** This code shall regulate the design, construction, installation, alteration, repairs, relocation, replacement, addition to, use or maintenance of electrical systems and equipment engaged in the transmission of electricity, information or light through conductors or optical fiber cables in structures and premises.

**Exceptions:** This code does not apply to:

1. Installations in mines
2. Railway cars
3. Automotive equipment or apparatus
4. Conductors or equipment installed for or by public utilities, common carriers or commercial radio or television stations that are under the jurisdiction of the Commonwealth of Pennsylvania or a federal regulatory body. This exception for regulated utilities applies only to installations and equipment used directly in the conduct of their business as a utility, and located outdoors or in a building or portion thereof used exclusively for the utility function.
5. Installations in federally occupied portions of federally owned buildings.

**E-101.3(R) Scope.** The scope of this Code and the Administrative Code provisions applicable to electrical work includes, but is not limited to:

1. The Philadelphia School District;
2. Work in utility-owned buildings;

3. Federally occupied portions of non-federally owned buildings;
4. City operations in privately or publicly-owned buildings;
5. The installation of electrical equipment by a regulated public utility, common carrier or commercial radio or television station beyond the point permitted pursuant to the exception set forth in exception #4 of section E-101.3;
6. The installation of telecommunication equipment by a non-regulated public utility, common carrier or commercial radio or television station;
7. The installation of illuminated signage; and
8. The installation of data systems pertaining to the transmission, generation, or distribution of electricity and/or intelligence.

**E-101.4 Administrative provisions.** This code contains those provisions that are unique to the administration of electrical matters under the Philadelphia Building Construction and Occupancy Code. All other administrative provisions applicable to the regulation of electrical matters are as set forth in the Administrative Code.

**E-101.5 Applicability.** The provisions of this code shall apply to all matters affecting or relating to structures and premises, as set forth in this section and the Administrative Code.

**E-101.5(R) Use of systems.** It shall be unlawful to use, allow the use of, or supply current for an electrical system in, or on, a structure or premises unless the required permits have been issued by the Department and all applicable inspections have been conducted.

### SECTION E-102 ELECTRICAL CONTRACTORS

**E-102.1 License required.** No person shall engage in the business of installing systems, or parts of systems, used to transmit, generate or distribute electricity, nor engage in the business of electrical contracting, unless that person has obtained a license from the code official.

**E-102.1(R) Transfer of Permit.** It shall be unlawful for any licensed electrical contractor to

secure or furnish a permit for the installation, alteration, or repair of electrical conductors or equipment to any person not entitled to such permit under this code.

**E-102.2 Requirements for license.** No Electrical Contractor's License shall be issued unless the provisions of Sections E-102.2.1 through E-102.2.3 have been satisfied.

**E-102.2(R) Application:** No person shall be licensed as an electrical contractor unless said person is qualified and insured. Applications for an Electrical Contractor's License shall include the following:

1. Satisfactory proof of Public Liability Insurance and Worker's Compensation Insurance;
2. Name and address of the applicant;
3. Trade name and business address of applicant;
4. City Business Privilege License number of applicant;
5. Proof of any technical school training in electrical work received by the applicant;
6. Proof of the amount of practical experience received in electrical work gained by the applicant;
7. City, State and Federal Employer identification number;
8. Such other information the Department deems necessary to determine the eligibility of the applicant.

**E-102.2.1 Experience.** The applicant shall have a minimum of four years of practical experience gained while employed in electrical work. Satisfactory completion of two years of education in the electrical field shall be equivalent to one year of practical experience, but not more than four years of education shall count towards the required four years practical experience.

**E-102.2.2 Examination.** The applicant shall have passed a written examination as prescribed by the Department of Licenses and Inspections on the theory and practice of electricity to test knowledge of the National Electrical Code (NFPA 70) as adopted by this code.

**E-102.2.3 Continuing education.** Before any Electrical Contractor's License is issued or renewed, the applicant or licensee shall have completed at least eight hours per year in course work or seminars on the then-current edition of NFPA 70 at an approved or accredited school or

organization approved by the code official. The applicant or licensee shall furnish the code official with a completion certificate indicating the course activity and the length in hours of each course.

## SECTION E-103 ELECTRICAL INSPECTION AGENCIES

**E-103.1 General.** Pursuant to Section E-701.1.1 the code official is authorized to accept certifications from approved Electrical Inspection Agencies as evidence of compliance with this code. This section and the regulations promulgated hereunder establish requirements for conduct of Electrical Inspection Agencies.

**E-103.2 Approval.** Electrical Inspection Agencies shall be approved by the code official as to qualifications, method of operation, completeness of inspection activity and type of report prior to acceptance of any certificate of inspection. The code official shall reserve the right to re-inspect, approve or reject the certification of any inspection agency.

**E-103.3 Agency license.** Issuance of a license by the code official to perform electrical inspections in the City of Philadelphia is deemed to be approval to conduct the business of electrical inspections. Qualifications for license and renewal of license are established by regulations promulgated hereto.

### **E-103.3(R) Agency license requirements.**

1. To establish qualification as an electrical inspection agency, the agency shall submit the following information:
  - 1.1 The names and addresses of all persons who have either a financial, operational, legal or beneficial interest in the agency business. At least one such person shall possess an electrical inspector's license, issued by the Department no less than one year prior to the agency's application for qualification.
  - 1.2 The name, address and experience of the agency's inspectors, and the description of the training programs for inspectors and other personnel, together with all supporting data for the Department to determine the qualifications of the agency to engage in the business of electrical inspections.
  - 1.3 The location and phone number of the place of business.
  - 1.4 A list of the name, address and telephone number of the agent upon whom process

shall be served and a list of the names, addresses and telephone numbers of responsible officials and employees to be contacted in connection with routine matters during normal working hours.

- 2. Each electrical inspection agency shall carry liability insurance, in the minimum amount of one million dollars (\$1,000,000) to satisfy claims or judgments of property damage and/or personal injury arising out of failure to properly discharge its duties.
- 3. Each electrical inspection agency shall have Worker's Compensation Insurance in the statutory amount, a Philadelphia Business Privilege License and a City tax identification number.
- 4. Each approved electrical inspection agency shall notify the Department of all inspection personnel changes and shall furnish the name, address and qualifications of all new inspectors and supervisors, within 72 hours of change of appointment.
- 5. The Department shall consider any recommendation provided by an advisory board appointed by the Mayor in determining qualification for an Electrical Inspection Agency License.

**E-103.3.1 Continuing education.** Before any agency license is issued or renewed, the principals of such agency shall have completed at least 12 hours per year in course work or seminars on the then-current edition of NFPA 70 at an approved or accredited school or organization approved by the code official. The applicant or licensee shall furnish the code official with a completion certificate indicating the course activity and the length in hours of each course.

**E-103.3.2 Renewal limitation.** No license shall be renewed if the licensee is delinquent in City of Philadelphia business taxes.

**E-103.4 Inspector license.** No person shall engage in the trade as an electrical inspector for an Electrical Inspection Agency without first securing a license from the code official. Applicants for a license shall establish their qualifications in accordance with the regulations pursuant to this section and shall pass a written examination to determine their qualifications to perform and/or supervise electrical inspection work.

**E-103.4(R) Inspector license requirements.**

- 1. An applicant for an electrical inspector's license shall have been employed or have equivalent practical experience for a period of not less than six years preceding the time of such application, or shall otherwise establish to the satisfaction of the Department that the applicant has the necessary educational background and experience to qualify for the examination for a license. Satisfactory completion of two years of education in the electrical field shall be equivalent to one year of practical experience, but not more than four years of education shall count towards the required six years of practical experience.
- 2. The Department shall be authorized to suspend, revoke, or refuse to renew the license of any electrical inspector if the holder has:
  - 2.1 Secured such license by misrepresentation;
  - 2.2 Failed to maintain the qualifications required for retention of the license;
  - 2.3 Violated any rule, regulation or administrative order of the Department;
  - 2.4 Committed an act of gross negligence;
  - 2.5 Approved electrical work that is not in conformance with this code; or
  - 2.6 Performed an electrical inspection on work completed without a valid electrical permit where such a permit is required.
- 3. An applicant whose license has been revoked shall be eligible after one year from the date of said revocation for a new license upon the satisfactory completion of an examination as herein provided. The applicant shall demonstrate to the satisfaction of the Department, the ability to perform competently.

**E-103.4.1 Continuing education.** Before any inspector's license is issued or renewed, the applicant or licensee shall have completed at least 12 hours per year in course work or seminars on the then-current edition of NFPA 70 at an approved or accredited school or organization approved by the code official. The applicant or licensee shall furnish the code official with a completion certificate indicating the course activity and the length in hours of each course.

\* \* \*

**E-103.5(R) Inspection Agency Operations.**

1. No electrical inspection agency shall be permitted to inspect or file an inspection report with regard to electrical work performed by any individual, association, or company in which any of their employees or officers has any interest, financial or otherwise.
2. No electrical inspection agency shall employ an individual performing inspection work in Philadelphia who is not licensed by the Department as an electrical inspector.
3. All agency inspectors must report to and receive technical assistance from a licensed electrical inspector named in the application on file with the Department for qualification of the agency as a person who has either a financial, operational, legal or beneficial interest in the agency business. In the case of an agency that operates out of more than one office, there shall be at least one such person in each office. Similarly, where inspectors are divided into squads or teams for the purpose of technical supervision, there shall be at least one such person for each team. The agency management structure shall be such that a person who holds an electrical inspector's license is the person who makes the final technical decisions on electrical matters. Each electrical inspection agency shall provide adequate supervision so that the inspectors are prompt and diligent in discharging their duties.
4. No request for an electrical inspection shall be accepted nor shall an inspection be made by any electrical inspection agency unless the applicant shall first furnish a valid electrical permit when a permit is required by this code. Each agency shall, within two working days, notify the Department of requests to inspect electrical work for which a permit is required but no permit has been issued.
5. In the event that a violator refuses to promptly correct any electrical violation, the electrical inspection agency shall notify the Department in writing within two working days.
6. Where an inspection of any work is performed by an approved electrical inspection agency, the agency shall furnish to the Department
  - 6.1 Written notification of the start of the job within one week following the start;
  - 6.2 Details of any non-compliance with the electrical code; and
  - 6.3 A duplicate copy of the final approval, within 30 days of issuance of the final approval.
7. The final approval shall include:
  - 7.1 Electrical work performed;
  - 7.2 The date or dates of inspection;
  - 7.3 The name of the installer;
  - 7.4 The name of the inspector; and
  - 7.5 Certification of compliance with the electrical code.
8. The agency shall keep a permanent file of all final approval certificates.
9. The agency shall keep complete records of the following for a period of six years:
  - 9.1 Application for inspections;
  - 9.2 Progress reports of inspection;
  - 9.3 Incomplete inspections where violations have not been cleared;
  - 9.4 Temporary approval certificates issued;
  - 9.5 Inspection activities of the inspectors employed.
10. Each agency shall keep records of all its inspections handled within the City of Philadelphia available for inspection during normal working hours.
 

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## CHAPTER 2 DEFINITIONS

\* \* \*

### SECTION E-202 GENERAL DEFINITIONS

\* \* \*

**CODE OFFICIAL.** The Commissioner of Licenses and Inspections or his or her duly authorized representative charged with the administration and enforcement of this code.

\* \* \*



**CHAPTER 3  
ORGANIZATION AND ENFORCEMENT**

**(Delete title and text of the Chapter in its entirety without substitution)**

**CHAPTER 4  
PERMITS AND FEES**

**(Delete title and text of the Chapter in its entirety without substitution)**

**CHAPTER 5  
CONSTRUCTION DOCUMENTS**

**(Delete title and text of the Chapter in its entirety without substitution)**

**CHAPTER 6  
APPROVAL**

**(Delete title and text of the Chapter in its entirety without substitution)**

**CHAPTER 7  
INSPECTIONS AND TESTING**

\* \* \*

**SECTION E-701  
GENERAL**

\* \* \*

**E-701.1.1 Agency inspection.** The code official is authorized to accept a certification from a licensed Electrical Inspection Agency as evidence of compliance with this code in lieu of inspections by the code official.

**E-701.1.2 Responsibility.** It shall be the responsibility of the licensed electrical contractor to arrange for inspections of electrical work. A minimum of 24 hours advance notice shall be given for inspections. Arrangements for final inspections shall be made within five days of completion of the work.

**SECTION E-702  
REQUIRED INSPECTIONS**

**E-702.1 General.** The designated licensed Electrical Inspection Agency shall, or the code official at his or her discretion is authorized to, upon notification, make the inspections set forth in this section.

\* \* \*

**E-702.1.7 and E-702.1.8 (Delete title and text of subsections without substitution)**

\* \* \*

**E-702.2 through E-702.8 (Delete title and text of subsections without substitution)**

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**CHAPTER 8  
SERVICE UTILITIES**

**(Delete title and text of the Chapter without substitution)**

**CHAPTER 9  
UNSAFE SYSTEMS AND EQUIPMENT**

**(Delete title and text of the Chapter without substitution)**

**CHAPTER 10  
VIOLATIONS**

**(Delete title and text of the Chapter without substitution)**

**CHAPTER 11  
MEANS OF APPEAL**

**(Delete title and text of the Chapter without substitution)**

## CHAPTER 12 ELECTRICAL PROVISIONS

\* \* \*

### SECTION E-1202 PROVISIONS

\* \* \*

**E-1202.8(R) Emergency and standby electrical systems.** Emergency electrical systems and standby power systems shall comply with regulations E-1202.8.1(R) and E-1202.8.2(R) respectively.

#### **E-1202.8.1(R) Emergency electrical systems.**

1. **Capacity:** The emergency systems shall have the capacity to operate equipment such as means of egress lighting, exit signs, door locks and any other emergency equipment as required by the building and fire codes.
2. **Power source:** Where an emergency electrical system is connected to a standby power system, the standby power system shall be sized for the additional load. The source of energy for the emergency electrical system shall be one of the following types:
  - 2.1 Unit storage batteries;
  - 2.2 Central storage battery systems; or
  - 2.3 Generator sets.
  - 2.4 Existing emergency electrical systems that were supplied by dual service supplied by PECO Energy prior to April 27, 1983 shall be permitted to continue this emergency electrical power source provided that no major alterations are made to the system.
3. **Emergency lighting:** An emergency lighting system shall be maintained in the following locations:
  - 3.1 In the means of egress serving buildings, rooms and spaces required to have more than one exit or exit access by the Building Code, and the illuminated exit signs that serve such buildings, rooms and spaces.

- 3.2 Passenger elevators;
- 3.3 Hospital operating rooms;
- 3.4 Theater projection rooms and stage lighting controls;
- 3.5 Main electric service and transformer rooms; and
- 3.6 Boiler rooms.

4. **Intensity of illumination:** The intensity of floor lighting shall not be less than one footcandle.

**Exception:** In buildings with occupancies in Group A and E for the projection by means of directed light, the minimum required illumination of aisles during such period of projection shall be 0.2 footcandles.

5. **Duration of illumination:** The emergency lighting system shall assure continued illumination for a duration of not less than ninety minutes in the event of the loss of primary power.

#### **E-1202.8.2(R) Standby power systems.**

1. **Capacity:** Standby power systems shall have the capacity and rating to operate equipment such as mechanical systems, fire pumps, lighting, communication, elevators and other standby equipment as required by the building and fire codes. The capacity and rating shall include the ability to start rotating equipment from a standing start. The system capacity shall be sufficient to operate all of the connected equipment that is required to operate simultaneously, but is not required to be sized to operate all of the connected equipment simultaneously where loads are subject to manual control.
2. **Connection of emergency systems:** Where an emergency electrical system is connected to the standby power system, the standby system shall be sized for the additional load.
3. **Power source:** The source of energy shall be one of the following types:
  - 3.1 Unit storage batteries;

- 3.2 Central storage battery systems; or
- 3.3 Generator sets.
- 3.4 Existing standby power systems that were supplied by dual service supplied by PECO Energy prior to September 29, 1992 shall be permitted to continue this power source except as otherwise required by the Fire Code and provided that no major alterations are made to the system.

**E-1202.8.1 Existing installations.** Emergency and standby electrical systems shall be maintained, operated and tested in accordance with the provisions of this code, the Philadelphia Fire Code and the regulations adopted pursuant thereto.

\* \* \*

**E-1202.16 Smoke alarm interconnection.** Where more than one smoke alarm is required to be installed within an individual dwelling unit or sleeping unit in Group R-2 or R-3, throughout Group R-4, or within an individual sleeping unit in Group R-1, the smoke alarms shall be interconnected in such a manner that the activation of one alarm will activate all of the alarms in the individual unit or throughout the Group R-4. The alarm shall be clearly audible in all bedrooms over background noise levels with all intervening doors closed.

**E-1202.17 Fire alarm systems.** The electrical work associated with the installation of fire alarm systems shall also comply with the provisions of NFPA 72.<sup>1</sup>

**E-1202.18 Fire pumps.** The electrical work associated with the installation of fire pumps shall also comply with the provisions of NFPA 20.

\* \* \*

**E-1202.19 (R) Aluminum and copper-clad conductors:** No new or replacement aluminum conductor or copper-clad aluminum conductors of 10 AWG or less shall be used in any occupancy or structure, nor shall aluminum regardless of size be used as a grounding electrode conductor.

**E-1202.20 (R) Prefabricated Wiring Systems.** All prefabricated assemblies, manufactured - wiring systems and wiring assemblies shall be installed by a licensed electrical contractor and shall be in accordance with the National Electrical Code. Receptacles, switches and similar devices supplied with component parts intended to be installed behind

building finishes shall not be installed prior to the installation of building finishes.

**E-1202.21 (R) Electrical decorations:** Temporary electrical decorations on streets and highways shall be subject to the following requirements.

1. Electrical decorations shall be approved by the Department before work is started.
2. No streamers, guys or decorations shall be erected on or above any cartway or footway without permission of the Streets Department.
3. Guy wires, streamers, and other non-current-carrying metal parts shall be insulated from poles and supports with approved insulators.
4. Where metallic decorations, ornaments or other non-current-carrying metal parts are used, they shall be substantially supported and kept at least eight inches from all conductors.
5. Streamers, guy wires and decorations shall be at least ten feet above the footway where installed over the footway.
6. Decorations shall extend a maximum of four feet into the cartway and shall be a minimum of 14 feet above the cartway where any pole supporting the decorations is located within the footway.
7. No streamers, guy wires or decorations shall be fastened or attached to traffic signals or police patrol boxes.
8. Where fastenings and attachments are to be made to any public or private property, permission shall first be obtained from the owner by the permittee.

**SECTION E-1203  
EXISTING ELECTRICAL FACILITIES**

\* \* \*

**E-1203.1.6 Additional loads.** Where additional electrical loads are to be connected to existing services in other than Group R-3 occupancies, the existing load shall be established as not less than the maximum demand figures. New loads shall be computed in accordance with the requirements of NFPA 70.

\* \* \*

**CHAPTER 13  
REFERENCED STANDARDS**

\* \* \*

**NFPA**

\* \* \*

20-03<sup>2</sup> Installation of Stationary Pumps for Fire Protection..... E-1202.18

\* \* \*

70-05<sup>3</sup> National Electrical Code ..... E-102.2.2, E-102.2.3, E-103.3.1, E-103.4.1  
E-201.3, E-1201.1.1, E-1203.1.6

72-03<sup>4</sup> National Fire Alarm Code..... E-1202.17

\* \* \*

2007  
City of Philadelphia  
Amendments to  
The International Code Council  
Energy Conservation Code

**CHAPTER 1  
ADMINISTRATION AND ENFORCEMENT**

**SECTION EC-101  
GENERAL**

**EC-101.1 Title.** These provisions shall be known as the Philadelphia Energy Conservation Code, and shall be cited as such. It is referred to herein as “this code.”

\* \* \*

**EC-101.2.2 Applicability.** The provisions of this code shall apply to all matters affecting or relating to structures and premises, as set forth in Section 101 and the Administrative Code. Where, in a specific case, different sections of this code specify different materials, methods of construction or other requirements, the most restrictive shall govern.

**EC-101.2.2.1 through EC-101.2.2.4 (Delete titles and text of Subsections without substitution)**

\* \* \*

**EC-101.5 Administrative provisions.** This chapter contains those provisions that are unique to the administration of this code. All other administrative provisions applicable to this code are as set forth in the Administrative Code.

\* \* \*

**SECTIONS EC-104 THROUGH EC-107**

**(Delete titles and text of sections in their entirety without substitution)**

\* \* \*



2007  
City of Philadelphia  
Amendments to  
The International Code Council  
Existing Building Code

# CHAPTER 1 ADMINISTRATION

**(Delete entire Chapter and substitute the following)**

**SECTION EB-101  
GENERAL**

**EB-101.1 Title.** These provisions shall be known as the Philadelphia Existing Building Code and shall be cited as such and will be referred to herein as “this code.”

**EB-101.2 Scope.** The provisions of the Philadelphia Existing Building Code shall apply to the repair, alteration, change of occupancy, addition, and relocation of existing buildings in accordance with the applicability provisions of the administrative code. A building or portion of a building that has not been previously occupied or used for its intended purpose shall comply with the provisions of the building code for new construction. Repairs, alterations, change of occupancy, existing buildings to which additions are made, historic buildings, and relocated buildings complying with the provisions of the Building Code, Mechanical Code, Plumbing Code, and Residential Code as applicable shall be considered in compliance with the provisions of this code.

**EB-101.3 Intent.** The purpose of this code is to establish the minimum requirements to safeguard the public health, safety, and welfare insofar as they are affected by the repair, alteration, change of occupancy, addition, and relocation of existing buildings.

**EB-101.4 Preliminary meeting.** When requested by the permit applicant, the code official shall meet with the permit applicant prior to the application for a construction permit to discuss plans for the proposed work or change of occupancy in order to establish the specific applicability of the provisions of this code.

**Exception:** Repairs and Level 1 alterations.

**EB-101.4.1 Building evaluation.** The code official is authorized to require an existing building to be evaluated by a registered design professional based on the circumstances agreed upon at the preliminary meeting to determine the existence of

any potential nonconformance with the provisions of this code.

**EB-101.5 Work on individual components or portions.** Where the code official determines that a component or a portion of a building or structure is in need of repair, strengthening or replacement by provisions of this code, only that specific component or portion shall be required to be repaired, strengthened, or replaced unless specifically required by other provisions of this code.

**EB-101.6 Design values for existing materials and construction.** The incorporation of existing materials, construction, and detailing into the structural system shall be permitted where approved by the code official. Minimum quality levels and maximum strength values shall comply with this code.

**EB-101.7 Safeguards during construction.** All construction work covered in this code, including any related demolition, shall comply with the requirements of Chapter 13.

**EB-101.8 Correction of violations of other codes.** Repairs or alterations mandated by the property maintenance or fire code or mandated by any licensing ordinance or regulation shall conform to the requirements of that code, regulation or ordinance and shall not be required to conform to this code unless the code requiring such repair or alteration so provides.

**EB-101.9 Administrative provisions.** This chapter contains those provisions that are unique to the administration of this code. All other administrative provisions applicable to this code are as set forth in the administrative code.

**EB-101.10 Appendices.** No appendices are adopted as a part of this code.

\* \* \*

**CHAPTER 9<sup>5</sup>**  
**CHANGE OF OCCUPANCY**

\* \* \*

**SECTION 904**  
**FIRE PROTECTION**

\* \* \*

**EB-904.2 Fire protection.**<sup>6</sup> Other provisions of this code notwithstanding, the requirements of Sections B-903 “Automatic Sprinkler Systems” and B-905 “Standpipe Systems” of the Philadelphia Building Code shall apply to a change of occupancy classification.

\* \* \*

## CHAPTER 13<sup>7</sup> PERFORMANCE COMPLIANCE METHODS

### SECTION 1301 GENERAL

\* \* \*

**EB-1301.2 Applicability.**<sup>8</sup> Structures existing prior to January 1, 1984, in which there is work involving additions, alterations, or changes of occupancy shall be made to conform to the requirements of this chapter or the provisions of Chapters 4 through 10. The provisions of Sections EB-1301.2.1 through EB-1301.2.5 shall apply to existing occupancies that will continue to be, or are proposed to be, in Groups A, B, E, F, M, R, and S. These provisions shall not apply to buildings with occupancies in Group H or Group I.

**EB-1301.2.1 Change in occupancy.** Where an existing building is changed to a new occupancy classification and this section is applicable, the provisions of this section for the new occupancy shall be used to determine compliance with this code.

**Exception:** The provisions of this chapter notwithstanding, the requirements of Sections B-903 “Automatic Sprinkler Systems” and B-905 “Standpipe Systems” of the Philadelphia Building Code shall apply to a change of occupancy classification.

**EB-1301.2.2 Partial change in occupancy.** Where a portion of the building is changed to a new occupancy classification, and that portion is separated from the remainder of the building with fire barrier wall assemblies having a fire-resistance rating as required by Table B-508.3.3 of the International Building Code or Section R-R317 of the International Residential Code for the separate occupancies, or with approved compliance alternatives, the portion changed shall be made to conform to the provisions of this section, Section B-903 “Automatic Sprinkler Systems” and Section B-905 “Standpipe Systems” of the Philadelphia Building Code.

Where a portion of the building is changed to a new occupancy classification and that portion is not separated from the remainder of the building with fire separation assemblies having a fire-resistance rating as required by Table B-508.3.3 of the International Building Code or Section R-R317 of the International Residential Code for the separate occupancies, or with approved compliance

alternatives, the provisions of this section, Section B-903 “Automatic Sprinkler Systems” and Section B-905 “Standpipe Systems” of the Philadelphia Building Code which apply to each occupancy shall apply to the entire building. Where there are conflicting provisions, those requirements which secure the greater public safety shall apply to the entire building or structure.

\* \* \*

**EB-1301.3.1 Hazards.** Where the code official determines that an unsafe condition exists as provided for in the Philadelphia Property Maintenance Code, such unsafe condition shall be abated in accordance with that code.

\* \* \*

## CHAPTER 14<sup>9</sup> CONSTRUCTION SAFEGUARDS

### SECTION EB-1401 GENERAL

\* \* \*

**EB-1401.2.1 Duration.** Temporary construction, scaffolding, and encroachments shall be removed from a construction site after the final inspection is made by the code official or within 30 days after the fulfillment of the requirements of the permit.

\* \* \*

**EB-1401.7 Hot work operations.** Cutting, welding or brazing operations shall be in accordance with the requirements of the Philadelphia Fire Code.

\* \* \*

### SECTION EB-1407 AUTOMATIC SPRINKLER SYSTEM

**EB-1407.1 Completion before occupancy.** In portions of a building, where an automatic sprinkler system is required by this code, it shall be unlawful to occupy those portions of the building until the automatic sprinkler system installation has been tested and approved, except as provided in Section A-701.5 of the Philadelphia Administrative Code.

\* \* \*

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2007  
City of Philadelphia  
Amendments to  
The International Code Council  
Fuel Gas Code

## **CHAPTER 1**

### **ADMINISTRATION**

**(Delete the Chapter in its entirety and substitute the following)**

#### **SECTION G-101 (IFGC)**

##### **GENERAL**

**G-101.1 Title.** These provisions shall be known as the Philadelphia Fuel Gas Code and shall be cited as such and will be referred to herein as “this code.”

**G-101.2 Scope.** This code shall apply to the installation of fuel-gas piping systems, fuel-gas utilization equipment and related accessories in accordance with Sections G-101.2.1 through G-101.2.5.

##### **Exceptions:**

1. Detached one- and two-family dwellings and multiple single-family dwellings (townhouses) not more than three stories high with separate means of egress and their accessory structures shall comply with the Residential Code.
2. As an alternative to the provisions of this code, fuel-gas piping systems, fuel-gas utilization equipment and related accessories in existing buildings that are undergoing repairs, alterations, changes in occupancy or construction of additions shall be permitted to comply with the provisions of the Existing Building Code.

**G-101.2.1 Gaseous hydrogen systems.** Gaseous hydrogen systems shall be regulated by Chapter 7.

**G-101.2.2 Piping systems.** These regulations cover piping systems for natural gas with an operating pressure of 125 pounds per square inch gauge (psig) (862 kPa gauge) or less, and for LP-gas with an operating pressure of 20 psig (140 kPa gauge) or less, except as provided in Section G-402.6.1. Coverage shall extend from the point of delivery to the outlet of the equipment shutoff valves. Piping systems requirements shall include design, materials, components, fabrication, assembly, installation, testing, inspection, operation and maintenance.

**G-101.2.3 Gas utilization equipment.** Requirements for gas utilization equipment and related accessories shall include installation, combustion and ventilation air and venting and connections to piping systems.

**G-101.2.4 Systems and equipment outside the scope.** This code shall not apply to the following:

1. Portable LP-gas equipment of all types that is not connected to a fixed fuel piping system.
2. Installation of farm equipment such as brooders, dehydrators, dryers and irrigation equipment.
3. Raw material (feedstock) applications except for piping to special atmosphere generators.
4. Oxygen-fuel gas cutting and welding systems.
5. Industrial gas applications using gases such as acetylene and acetylenic compounds, hydrogen, ammonia, carbon monoxide, oxygen and nitrogen.
6. Petroleum refineries, pipeline compressor or pumping stations, loading terminals, compounding plants, refinery tank farms and natural gas processing plants.
7. Integrated chemical plants or portions of such plants where flammable or combustible liquids or gases are produced by, or used in, chemical reactions.
8. LP-gas installations at utility gas plants.
9. Liquefied natural gas (LNG) installations.
10. Fuel gas piping in power and atomic energy plants.
11. Proprietary items of equipment, apparatus or instruments such as gas-generating sets, compressors and calorimeters.
12. LP-gas equipment for vaporization, gas mixing and gas manufacturing.
13. Temporary LP-gas piping for buildings under construction or renovation that is not to become part of the permanent piping system.
14. Installation of LP-gas systems for railroad switch heating.
15. Installation of hydrogen gas, LP-gas and compressed natural gas (CNG) systems on vehicles.



16. Except as provided in Section G-401.1.1, gas piping, meters, gas pressure regulators and other appurtenances used by the serving gas supplier in the distribution of gas, other than LP-gas.
17. Building design and construction, except as specified herein.
18. Piping systems for mixtures of gas and air within the flammable range with an operating pressure greater than 10 psig (69 kPa gauge).
19. Portable fuel cell appliances that are neither connected to a fixed piping system nor interconnected to a power grid.

**G-101.2.5 Other fuels.** The requirements for the design, installation, maintenance, alteration and inspection of mechanical systems operating with fuels other than fuel gas shall be regulated by the Philadelphia Mechanical Code.

**G- 101.3 Appendices.** No appendices are adopted as a part of this code.

**G-101.4 Intent.** The purpose of this code is to provide minimum standards to safeguard life or limb, health, property and public welfare by regulating and controlling the design, construction, installation, quality of materials, location, operation and maintenance or use of fuel gas systems.

**G-101.5 Administrative provisions.** This chapter contains those provisions that are unique to the administration of this code. All other administrative provisions applicable to this code are as set forth in the Administrative Code.

**SECTION G-102 (IFGC)  
INSPECTIONS AND TESTING**

**G-102.1 Evaluation and follow-up inspection services.** Prior to the approval of a prefabricated construction assembly having concealed work and the issuance of a permit, the code official shall require the submittal of an evaluation report from an approved agency on each prefabricated construction assembly. The report shall indicate the complete details of the installation, including a description of the system and its components, the basis upon which the system is being evaluated, test results and similar information

and other data as necessary for the code official to determine conformance to this code.

**Exception:** Manufactured and Industrialized housing pursuant to Section A-102.8 of the Administrative Code.

**G-102.1.1 Follow-up inspection.** Except where ready access is provided to installations, service equipment and accessories for complete inspection at the site without disassembly or dismantling, the code official shall conduct in-plant inspections to ensure conformance to the approved evaluation report or shall accept inspection reports from an approved independent inspection agency. The inspection agency shall furnish the code official with the follow-up inspection manual and a report of inspections upon request. The installation shall have an identifying label permanently affixed to the system indicating that factory inspections have been performed.

**G-102.1.2 Test and inspection records.** Required test and inspection records shall be available to the code official at all times during the fabrication of the installation and the erection of the building.

**G-102.2 Testing.** Installations shall be tested as required in this code and in accordance with Sections G-102.2.1 through G-102.2.3. Tests shall be made by the permit holder after notifying the code official, who shall have the authority to observe the tests.

**G-102.2.1 New, altered, extended or repaired installations.** New installations and parts of existing installations, which have been altered, extended, renovated or repaired, shall be tested as prescribed herein to disclose leaks and defects.

**G-102.2.2 Apparatus, instruments, material and labor for tests.** Apparatus, instruments, material and labor required for testing an installation or part thereof shall be furnished by the permit holder.

**G-102.2.3 Reinspection and testing.** Where any work or installation does not pass an initial test or inspection, the necessary corrections shall be made so as to achieve compliance with this code. The work or installation shall then be reinspected or re-tested and the results resubmitted to the code official as appropriate.

**CHAPTER 2**  
**DEFINITIONS**

\* \* \*

**SECTION G-202 (IFGC)**  
**GENERAL DEFINITIONS**

\* \* \*

**CODE OFFICIAL.** The Commissioner of Licenses and Inspections or his or her duly authorized representative charged with the administration and enforcement of this code.

\* \* \*

**CHAPTER 3**  
**GENERAL REGULATIONS**

**SECTION G-301 (IFGC)**  
**GENERAL**

\* \* \*

**G-301.3 Listed and labeled.** Appliances regulated by this code shall be listed and labeled unless otherwise approved in accordance with Section A-203 of the Administrative Code. The approval of unlisted appliances in accordance with Section A-203 of the Administrative Code shall be based upon approved engineering evaluations.

\* \* \*

CHAPTER 7  
**GASEOUS HYDROGEN SYSTEMS**

SECTION G-701 (IFGC)  
GENERAL

\* \* \*

**G-701.2 Permits.** Permits shall be required as set forth in the Administrative Code and as required by the International Fire Code.

\* \* \*

2007  
City of Philadelphia  
Amendments to  
The International Code Council  
Mechanical Code

## CHAPTER 1 ADMINISTRATION

(Delete the Chapter in its entirety and substitute the following)

### SECTION M-101 GENERAL

**M-101.1 Title.** These provisions shall be known as the Philadelphia Mechanical Code, and shall be cited as such and will be referred to herein as “this code.”

**M-101.2 Scope.** This code shall regulate the design, installation, maintenance, alteration and inspection of mechanical systems that are permanently installed and utilized to provide control of environmental conditions and related processes within buildings. This code shall also regulate those mechanical systems, system components, equipment and appliances specifically addressed herein. The installation of fuel gas distribution piping and equipment, fuel gas-fired appliances and fuel gas-fired appliance venting systems shall be regulated by the Fuel Gas Code.

**Exceptions:**

1. Detached one- and two-family dwellings and multiple single-family dwellings (townhouses) not more than three stories high with separate means of egress and their accessory structures shall comply with the Residential Code.
2. Mechanical systems in existing buildings undergoing repair, alterations, or additions, and change of occupancy shall be permitted to comply with the Existing Building Code.

**M-101.2.1 Appendices.** No appendices are adopted as a part of this code.

**M-101.3 Intent.** The purpose of this code is to provide minimum standards to safeguard life or limb, health, property and public welfare by regulating and controlling the design, construction, installation, quality of materials, location, operation and maintenance or use of mechanical systems.

**M-101.4 Administrative provisions.** This chapter contains those provisions that are unique to the administration of this code. All other administrative provisions applicable to this code are as set forth in the Administrative Code.

### SECTION M-102 INSPECTIONS AND TESTING

**M-102.1 Evaluation and follow-up inspection services.** Prior to the approval of a prefabricated construction assembly having concealed work and the issuance of a permit, the code official shall require the submittal of an evaluation report from an approved agency on each

prefabricated construction assembly. The report shall indicate the complete details of the mechanical system, including a description of the system and its components, the basis upon which the system is being evaluated, test results and similar information and other data as necessary for the code official to determine conformance to this code.

**Exception:** Manufactured and Industrialized housing pursuant to Section A-102.12 of the Administrative Code.

**M-102.1.1 Follow-up inspection.** Except where ready access is provided to mechanical systems, service equipment and accessories for complete inspection at the site without disassembly or dismantling, the code official shall conduct in-plant inspections to ensure conformance to the approved evaluation report or shall accept inspection reports from an approved independent inspection agency. The inspection agency shall furnish the code official with the follow-up inspection manual and a report of inspections upon request. The mechanical system shall have an identifying label permanently affixed to the system indicating that factory inspections have been performed.

**M-102.1.2 Test and inspection records.** Required test and inspection records shall be available to the code official at all times during the fabrication of the mechanical system and the erection of the building.

**M-102.2 Testing.** Mechanical systems shall be tested as required in this code and in accordance with Sections M-102.2.1 through M-102.2.3. Tests shall be made by the permit holder after notifying the code official, who shall have the authority to observe the tests.

**M-102.2.1 New, altered, extended or repaired systems.** New mechanical systems and parts of existing systems, which have been altered, extended, renovated or repaired, shall be tested as prescribed herein to disclose leaks and defects.

**M-102.2.2 Apparatus, instruments, material and labor for tests.** Apparatus, instruments, material and labor required for testing a mechanical system or part thereof shall be furnished by the permit holder.

**M-102.2.3 Reinspection and testing.** Where any work or mechanical system does not pass an initial test or inspection, the necessary corrections shall be made so as to achieve compliance with this code. The work or system shall then be reinspected or re-tested and the results resubmitted to the code official as appropriate.

**CHAPTER 2  
DEFINITIONS**

\* \* \*

**SECTION M-202  
GENERAL DEFINITIONS**

\* \* \*

**CODE OFFICIAL.** The Commissioner of Licenses and Inspections or his or her duly authorized representative charged with the administration and enforcement of this code.

\* \* \*

## CHAPTER 3 GENERAL REGULATIONS

### SECTION M-301 GENERAL

\* \* \*

**M-301.4 Listed and labeled.** All appliances regulated by this code shall be listed and labeled, unless otherwise approved in accordance with Section A-203 of the Philadelphia Administrative Code.

\* \* \*



## CHAPTER 4 VENTILATION

\* \* \*

### SECTION M-404 ENCLOSED PARKING GARAGES

\* \* \*

**M-404.4 Monitoring.** Enclosed parking garages containing 35 or more parking spaces shall be equipped with a carbon monoxide monitoring system in accordance with the Philadelphia Department of Public Health Air Management Regulations.

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2007  
City of Philadelphia  
Amendments to  
The International Code Council  
Performance Code

**CHAPTER 1  
GENERAL ADMINISTRATIVE PROVISIONS**

**SECTION PC-101  
INTENT AND PURPOSE**

**PC-101.1 Title and Purpose.** These provisions shall be known as the Philadelphia Performance Code for Buildings and Facilities, shall be cited as such, and will be referred to herein as “this code.” The purpose of this code is to provide appropriate health, safety, welfare, and social and economic value, while promoting innovative, flexible and responsive solutions that optimize the expenditure and consumption of resources.

\* \* \*

**SECTION PC-103  
ADMINISTRATIVE PROVISIONS**

\* \* \*

**PC-103.3.12.1 Supplemental administrative provisions.** Administrative provisions of the Philadelphia Administrative Code and the other subcodes of the Philadelphia Building Construction and Occupancy Code shall supplement the performance provisions for plan review, permit issuance, inspection, certificate of occupancy or compliance and enforcement.

**PC-103.3.12.2 Appendices.**<sup>10</sup> Appendices A, B, C, D and E of the 2006 ICC Performance Code for Buildings and Facilities are hereby adopted and incorporated as a part of this code.

**Sections PC-103.3.13 through PC-103.3.13.4 (Delete titles and text of subsections without substitution)**

## CHAPTER 2 DEFINITIONS

\* \* \*

### SECTION PC-202 DEFINED TERMS

\* \* \*

**CODE OFFICIAL.** The Commissioner of Licenses and Inspections or his or her duly authorized representative charged with the administration and enforcement of this code.

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2007  
City of Philadelphia  
Amendments to  
The International Code Council  
Residential Code

## CHAPTER 1 ADMINISTRATION

(Delete the Chapter in its entirety and substitute the following)

### SECTION R-R101 TITLE, SCOPE AND PURPOSE

**R-R101.1 Title.** These provisions shall be known as the Philadelphia Residential Code, shall be cited as such and will be referred to herein as “this code.”

**R-R101.2 Scope.** The provisions of this code shall apply to the construction, alteration, movement, enlargement, replacement, repair, equipment, use and occupancy, location, removal and demolition of detached one- and two-family dwellings and multiple single-family dwellings (townhouses) not more than three stories in height with a separate means of egress and their accessory structures.

**Exception:** Existing buildings undergoing repair, alteration, additions, and change of occupancy shall be permitted to comply with the Existing Building Code.

**R-R101.2(R) Demolitions.** Demolition of dwellings subject to this code shall comply with the following regulations adopted pursuant to the Philadelphia Building Code: B-3303.1(R); B-3303.4(R); B-3303.5(R); B-3303.7(R); and B-3307.1(R).

**R-R101.3 Purpose.** The purpose of this code is to provide minimum requirements to safeguard the public safety, health and general welfare, through affordability, structural strength, means of egress, facilities, stability, sanitation, light and ventilation, energy conservation and safety to life and property from fire and other hazards attributed to the built environment.

**R-R101.4 Administrative provisions.** This chapter contains those provisions that are unique to the administration of this code. All other administrative provisions applicable to this code are as set forth in the Administrative Code.

**R-R101.5 Appendices.** Sections AE501 through AE503 and AE601 through AE605 of Appendix E (“Manufactured Housing Used as Dwellings”) and Appendix G (“Swimming Pools, Spas and Hot Tubs”) are hereby adopted. No other appendices shall apply.



**CHAPTER 2  
DEFINITIONS**

\* \* \*

**SECTION R-R202  
DEFINITIONS**

\* \* \*

**BUILDING OFFICIAL.** The Commissioner of Licenses and Inspections or a duly authorized representative, charged with the administration and enforcement of this code. This term is interchangeable with the term “code official.”

\* \* \*

**CHAPTER 3  
BUILDING PLANNING**

**SECTION R-R301  
DESIGN CRITERIA**

\* \* \*

**TABLE R-R301.2(1)<sup>11</sup>**

*CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA*

GROUND SNOW LOAD	WIND SPEED <sup>d</sup> (MPH)	SEISMIC DESIGN CATEGORY <sup>f</sup>	SUBJECT TO DAMAGE FROM			WINTER DESIGN TEMP <sup>e</sup>	ICE BARRIER UNDER-LAYMENT REQUIRE <sup>h</sup>	FLOOD HAZARDS <sup>g</sup>	AR FREEZING INDEX <sup>i</sup>	MEAN ANNUAL TEMP <sup>j</sup>
			Weathering <sup>a</sup>	Frost line depth <sup>b</sup>	Termite <sup>c</sup>					
25 psf	90	C	Severe	30 in.	Moderate to heavy	14 ° F	NO	(a) 1979 (b) 8/2/96	438	55.9 ° F

\* \* \*

**R311.5 Stairways.<sup>12</sup>**

**R311.5.1 Width.** Stairways shall not be less than 36 inches (914 mm) in clear width at all points above the permitted handrail height and below the required headroom height. Handrails shall not project more than 4.5 inches (114 mm) on either side of the stairway and the minimum clear width of the stairway at and below the handrail height, including treads and landings, shall not be less than 31.5 inches (787 mm) where a handrail is installed on one side and 27 inches (698 mm) where handrails are provided on both sides.

**Exception:** The width of spiral stairways shall be in accordance with Section R311.5.8.

**R311.5.2 Headroom.** The minimum headroom in all parts of the stairway shall not be less than 6 feet 8 inches (2036 mm) measured vertically from the sloped plane adjoining the tread nosing or from the floor surface of the landing or platform.

**R311.5.3 Stair treads and risers.**

**R311.5.3.1 Riser height.** The maximum riser height shall be 8 1/4 inches (210 mm). The riser shall be measured vertically between leading edges of the adjacent treads. The greatest riser height within any flight of stairs shall not

exceed the smallest by more than 3/8 inch (9.5 mm).

**R311.5.3.2 Tread depth.** The minimum tread depth shall be 9 inches (229 mm). The tread depth shall be measured horizontally between the vertical planes of the foremost projection of adjacent treads and at a right angle to the tread's leading edge. The greatest tread depth within any flight of stairs shall not exceed the smallest by more than 3/8 inch (9.5 mm). Winder treads shall have a minimum tread depth of 10 inches (254 mm) measured as above at a point 12 inches (305 mm) from the side where the treads are narrower. Winder treads shall have a minimum tread depth of 6 inches (152 mm) at any point. Within any flight of stairs, the largest winder tread depth at the 12 inch (305 mm) walk line shall not exceed the smallest by more than 3/8 inch (9.5 mm).

**R311.5.3.3 Profile.** The radius of curvature at the leading edge of the tread shall be no greater than 9/16 inch (14 mm). A 1-inch (25 mm) nosing shall be provided on stairways with solid risers. The greatest nosing projection shall not

exceed the smallest nosing projection by more than 3/8 inch (9.5 mm) between two stories, including the nosing at the level of floors and landings. Beveling of nosing shall not exceed 1/2 inch (12.7 mm). Risers shall be vertical or sloped from the underside of the leading edge of the tread above at an angle not more than 30 degrees (0.51 rad) from the vertical. Open risers are permitted, provided that the opening between treads does not permit the passage of a 4-inch diameter (102 mm) sphere.

**Exceptions:**

1. A nosing is not required where the tread depth is a minimum of 11 inches (279 mm).
2. The opening between adjacent treads is not limited on stairs with a total rise of 30 inches (762 mm) or less.

\* \* \*

**CHAPTER 13**  
**GENERAL MECHANICAL SYSTEM REQUIREMENTS**

\* \* \*

**SECTION R-M1302**  
**APPROVAL**

**R-M1302.1 General.** All appliances shall be listed and bear the label of an approved agency unless otherwise approved in accordance with Section A-203 of the Philadelphia Administrative Code.

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## CHAPTER 24 FUEL GAS

\* \* \*

### SECTION R-G2403 GENERAL DEFINITIONS

\* \* \*

**CODE OFFICIAL.** The Commissioner of Licenses and Inspections or his or her duly authorized representative charged with the administration and enforcement of this code.

\* \* \*

### SECTION R-G2404 GENERAL

\* \* \*

**R-G2404.3 Listed and labeled.** Appliances regulated by this code shall be listed and labeled unless otherwise approved in accordance with Section A-203 of the Philadelphia Administrative Code. The approval of unlisted appliances in accordance with Section A-203 of the Philadelphia Administrative Code shall be based upon approved engineering evaluation.

\* \* \*

## **PART VII — PLUMBING**

### **Chapters 25 through 32**

**(Delete Chapters in their entirety and insert the following text)**

Plumbing systems in buildings and structures regulated by this code shall be designed and constructed in accordance with the Philadelphia Plumbing Code.

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## ENDNOTES

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<sup>1</sup> Regulation deleted, Effective April 17, 2006

<sup>2</sup> Amended, Bill No. 060850, Effective January 1, 2007

<sup>3</sup> Amended, Bill No. 060850, Effective January 1, 2007

<sup>4</sup> Amended, Bill No. 060850, Effective January 1, 2007

<sup>5</sup> Chapter renumbered, Bill No. 060850, Effective January 1, 2007

<sup>6</sup> Amended, Bill No. 060850, Effective January 1, 2007

<sup>7</sup> Chapter renumbered, Bill No. 060850, Effective January 1, 2007

<sup>8</sup> Amended, Bill No. 060850, Effective January 1, 2007

<sup>9</sup> Chapter renumbered, Bill No. 060850, Effective January 1, 2007

<sup>10</sup> Amended, Bill No. 060850, Effective January 1, 2007

<sup>11</sup> Amended, Bill No. 060850, Effective January 1, 2007

<sup>12</sup> Amended, Bill No. 060850, Effective January 1, 2007. However, later publication of the PA Department of Labor and Industry's regulation implementing PA ACT 13 of 2004 required a 1 inch nosing and necessitated a return to the International Residential Code specifications for handrail projection. These measurements differ from those given Bill No. 060850.