

Adopted Code Amendments

Amendments to the 2006 International Building Code

Section 101.1 Title. (page 1)

Delete "[NAME OF JURISDICTION]" and **insert** "Knox County, Tennessee" in its place.

Section 101.2.1 Appendices. (page 1)

Insert "The following Appendices are specifically included in the adoption. All others are excluded.

- Appendix A Employee Qualifications
- Appendix B Board Of Appeals
- Appendix C Group U - Agricultural Buildings
- Appendix E Supplementary Accessibility Requirements
- Appendix F Rodent Proofing
- Appendix G Flood-Resistant Construction
- Appendix H Signs
- Appendix I Patio Covers
- Appendix J Grading
- Appendix K ICC Electrical Code"

Section 101.4.4 Plumbing. (page 1)

Delete "International Private Sewage Disposal Code" and **replace with** "Knox County Health Department".

Section 104.4 Inspections. (page 2)

Add a new section as follows: "**Section 104.4.1** Re-inspections. As deemed necessary by the code official, the owner/occupant of a facility found in violation of the adopted building codes and/or NFPA 101 shall contact the inspector responsible for identifying the building code and/or NFPA 101 violations to schedule the required re-inspection of the facility within the time frame specified by the inspector. The facility shall not be in compliance until all violations noted have been corrected and a re-inspection has been completed."

Section 109.3.3 Lowest floor elevation. (page 7)

At the end of the section **insert** "Compliance with the Knox County Department of Engineering and Public Works requirements regarding building in flood hazard areas shall be deemed to comply with this section."

Section 109.3.7 Energy efficiency inspections. (page 7)
Change "shall" to "may" in two places.

Section 109.5 Inspection requests. (page 7)

At the end of the section **insert** "No inspections shall be performed on any jobsite or portion thereof where there is a violation of the occupational safety and health standards for the construction industry promulgated by the Occupational Safety and Health Administration (OSHA)."

Section 712.2 Installation details. (page 102)

Add a new section as follows: "**Section 712.2.1** Installation requirements. The IBC fire-stopping certificate of completion form **712.2.1(1)** or a functional equivalent must be completed by the fire-stopping installer prior to the issuance of a certificate of completion."

Section [F]907.1.1 Construction documents. (page 182)

At the end of the section **insert**:

"12. A point to point wiring diagram for all devices."

"13. A riser diagram showing the zones for all devices connected to the control panel."

Section [F]907.2.1.1 System initiation in Group A occupancies with an occupant load of 1,000 or more. (page 182)

Replace "1,000 or more" with "more than 300" in the title and in the code section.

Section [F]907.2.10.1.1 Group R-1. (page 185)

Insert "4. In each garage or storage area with a four foot or wider door to the outside."

Section [F]907.2.10.1.2 Groups R-2, R-3, R-4 and I-1. (page 185)

Insert "4. In each private garage attached to and serving a dwelling unit."

Section 1013.1 Guards. (page 217)

Delete the first sentence and replace with "Guards shall be located along open-sided walking surfaces or ground surfaces, mezzanines, industrial equipment platforms, retaining walls, stairways, ramps, landings and any other locations that are located more than 30 inches (762 mm) above the floor or grade below."

Section 1026.2 Minimum size. (page 233)

Delete the Exception subsection in its entirety.

Section 1612.3 Establishment of flood hazard areas. (page 302)

Delete the text of this section in its entirety and **replace with** "Flood hazard areas shall be determined in accordance with the regulations enforced by the Knox County Department of Engineering and Public Works."

Section 1704.1 General. (page 328)

Change the first occurrence of "shall" to "may be required to".

In exceptions item 2 insert "Unless otherwise required by the building official," at the first of the section just before the word "Special" and **change** the capital S in "Special" to lower case.

Section 2701.1 Scope (page 517)

At the end of the section **insert** "All references to the *International Fire Code* in this chapter shall also refer to the NFPA 101 Life Safety Code."

Section [P]2901.1 Scope. (page 521)

Change "*International Private Sewage Disposal Code*" to "requirements of the Knox County Health Department"

Section 3401.3 Compliance with other codes. (page 541)

Delete "*International Private Sewage Disposal Code*," and insert "Knox County Health Department, NFPA 101 Life Safety Code" in its place.

Section 3410.2 Applicability. (page 545)

Delete "[DATE TO BE INSERTED BY THE JURISDICTION. NOTE:IT IS RECOMMENDED THAT THIS DATE COINCIDE WITH THE EFFECTIVE DATE OF BUILDING CODES WITHIN THE JURISDICTION.]" and **insert** "the adoption of the first building code regulations in Knox County, Tennessee." In its place.

Section 3410.3.2 Compliance with other codes. (page 546)

At the end of the section **insert** "These buildings shall also comply with the NFPA 101 Life Safety Code."

Section B101.2 Membership of the board. (page 577)

Delete "as follows:" and insert a period after the word "authority"

Delete "1. One for five years; one for four years; one for three years; one for two years; and one for one year."

Delete "2. Thereafter, each new member shall serve for five years or until a successor has been appointed."

Section B101.2.2 Qualifications. (page 577)

After the word "disciplines" **insert** "or as determined by the Building Official and the Fire Official"

Section G102.2 Establishment of flood hazard areas. (page 593)
Delete " on [INSERT DATE]"

Section H101.2 Signs exempt from permits. (page 599)
Delete Section H101.2 in its entirety.

Section J101.1 Scope. (page 605)
Immediately after the word "chapter" **insert** " and the Knox County Department of Engineering and Public Works"

Section K101.1 Title. (page 1)
Delete "[NAME OF JURISDICTION]" and **insert** "Knox County, Tennessee" in its place.

Section K401.1 Permits required. (page 617)
At the end of the section **insert** " Compliance with the State of Tennessee electrical inspectors permitting and inspection requirements shall be deemed to comply with the regulations contained herein."

Section K404.2 Schedule of permit fees. (page 618)
Delete "indicated in the following schedule" and **insert** "established and regulated by the International Building Code" in its place.
Delete "[JURISDICTION TO INSERT APPROPRIATE SCHEDULE]"

Section K702.1 General (page 623)
Delete the word "shall" and **insert** the word "may" in its place.

Chapter K11 Means of Appeal (page 631)
Delete sections K1101, K1102 and K1103 in their entirety and **insert** "**Section K1101** Board of appeals. The board of appeals shall be as established and regulated by the 2006 International Building Code."

Amendments to the 2006 International Mechanical Code

Section 101.1 Title. (page 1)
Delete "[NAME OF JURISDICTION]" and **insert** "Knox County, Tennessee" in its place.

Section 101.2.1 Appendices. (page 1)
Insert "The following Appendices are specifically included in the adoption. All others are excluded."

Appendix A Combustion Air Openings And Chimney Connector Pass-Throughs"

Section 106.5.2 Fee Schedule. (page 4)

Delete Section 106.5.2 in its entirety and **insert** "Fees as adopted by resolution for Knox County, Tennessee."

Section 106.5.3 Fee Refunds. (page 4)

Delete Section 106.5.3 in its entirety including the section number and title.

Section 107.1 Required Inspections And Testing. (page 4)

At the end of the first paragraph **insert** "No inspections shall be performed on any jobsite or portion thereof where there is a unsafe condition or a violation of the occupational safety and health standards for the construction industry promulgated by the Occupational Safety and Health Administration (OSHA)."

Section 108.4 Violation Penalties. (page 5)

Delete "guilty of a [SPECIFY OFFENSE], punishable by a fine of not more than [AMOUNT] dollars or by imprisonment not exceeding [NUMBER OF DAYS], or both such fine and imprisonment" and **insert** "subject to penalties as prescribed by law" in its place.

Section 108.5 Stop Work Orders. (page 6)

Delete "liable for a fine of not less than [AMOUNT] dollars or more than [AMOUNT] dollars" and **insert** "subject to penalties as prescribed by law" in its place.

Section 109 Means Of Appeal. (page 6)

Delete Section 109 in its entirety and **insert** "The Board of Appeals shall be as established and regulated by the 2006 International Building Code." in its place.

Section 606 Smoke Detection Systems Control. (page 59)

Insert a new section as follows: "**Section 606.5** Systems with a capacity of 2,000 CFM or less. Recirculating air systems with a fan capacity of 2,000 cfm (0.9 m³/s) or less, but serving an area used for egress, shall have an automatic shutdown. Automatic shutdown may be by means of an approved smoke detector or fire-stat placed in the return air stream prior to any exhausting from the building or mixing with the fresh air makeup."

Amendments to the 2006 International Fire Code

Section 101.1 Title. *(page 1)*

Delete "[NAME OF JURISDICTION]" and **insert** "Knox County, Tennessee" in its place.

Section 101.2.1 Appendices *(page 1)*

Insert "The following Appendices are specifically included in the adoption. All others are excluded.

- Appendix B Fire-Flow Requirements For Buildings
- Appendix C Fire Hydrant Locations And Distribution
- Appendix D Fire Apparatus Access Roads
- Appendix E Hazard Categories
- Appendix F Hazard Ranking"

Section 103.1 General. *(page 2)*

At the end of the section **insert** "This department shall be known as the Knox County Fire Prevention Bureau.

Section 106.1 Inspection Authority. *(page 10)*

At the end of the section **insert** "No inspections shall be performed on any jobsite or portion thereof where there is a unsafe condition or a violation of the occupational safety and health standards for the construction industry promulgated by the Occupational Safety and Health Administration (OSHA)."

Section 106.2 Inspections. *(page 10)*

Add a new section as follows: "**Section 106.2.1** Re-inspections. As deemed necessary by the code official, the owner/occupant of a facility found in violation of the adopted fire code and/or NFPA 101 shall contact the inspector responsible for identifying the fire code and/or NFPA 101 violations to schedule the required re-inspection of the facility within the time frame specified by the inspector. The facility shall not be in compliance until all violations noted have been corrected and a re-inspection has been completed."

Section 108.1 Board Of Appeals Established. *(page 10)*

Insert after the last sentence "The Board of Appeals shall be the same as established and regulated by the 2006 International Building Code."

Section 109.3 Violation Penalties. (page 11)

Delete "guilty of a [SPECIFY OFFENSE], punishable by a fine of not more than [AMOUNT] dollars or by imprisonment not exceeding [NUMBER OF DAYS], or both such fine and imprisonment" and **insert** "subject to penalties as prescribed by law" in its place.

Section 111.4 Failure To Comply. (page 12)

Delete "liable for a fine of not less than [AMOUNT] dollars or more than [AMOUNT] dollars" and insert "subject to penalties as prescribed by law" in its place.

Section 401.3 Emergency Forces Notification. (page 35)

In the first sentence, after "unwanted fire" **add** "or other emergency". In the last sentence, after "reporting of a fire" **add** "or other emergency".

Section 508.5.1 Where required. (page 43)

Add a new section as follows: "**Section 508.5.1.1** Fire hydrants required. Fire hydrants shall be available at a distance of not more than 600 feet to all new dwellings within new residential developments/subdivisions or a manufactured housing parks containing more than four dwellings. Two copies of a site utility plan and designs showing the layout of all underground main and all fire hydrant locations shall be submitted by the owner/developer for review by the fire code official. **Exception:** Dwellings or manufactured houses equipped with an automatic sprinkler system, installed and tested in accordance with NFPA 13D or 13R."

Section 508.5.4 Obstruction. (page 43)

At the end of the section **insert** "Fire hydrants shall be maintained unobstructed in accordance with **Detail 508.5.5(1)**"

Section 508.5.5 Clear space around hydrants. (page 43)

At the end of the section, before the period, **insert** "by the fire code official. Fire hydrants shall be maintained unobstructed in accordance with **Detail 508.5.5(1)**."

Section 508.5 Fire hydrant systems. (page 44)

Add a new section as follows: "**Section 508.5.7 Hydrant removal.** Fire hydrants required by this code or otherwise installed shall not be removed without approval of the fire code official."

Section 703.1 Maintenance. (page 55)

At the end of the section insert "The IBC fire-stopping certificate of completion form **712.2.1(1)** or a functional equivalent must be completed by the fire-stopping installer prior to the issuance of a certificate of completion."

Section 901.5 Installation acceptance testing. (page 65)

Add a new section as follows: "**901.5.2** Domestic sprinkler system acceptance testing. Domestic sprinkler systems designed to meet the requirements of NFPA 13D and R shall be required to complete a sprinkler flow test ("put the water in the bucket test") witnessed by the inspector who must be notified at least 24 hours in advance."

Section 901.6 Inspection, testing and maintenance. (page 65)

At the end of the section, before the period, **add** "only with the approval of the fire code official".

Section 901.6.2 Records. (page 65)

At the end of the section, **delete** the words "upon request" and **insert** the words "within 10 days of any inspection, test or maintenance".

Section 901.7 Systems out of service. (page 66)

In the first sentence, after "required" **add** "or otherwise installed".

Section 901.7 Systems out of service. (page 66)

Add a new section as follows: "Section 901.7.7 Fire protection system activation. The activation or use of any fire protection system or device in connection with the control or extinguishment of a fire shall be reported to the fire code official. Such report shall be made by the owner and contractor of the premises in which the system or device is installed and by the contractor or service firm responsible for restoring the system to normal operation or servicing the actuated system or unit. The owner or contractor shall report its use and performance as required by 901.7 to the fire code official immediately."

Section 903.2.7 Group R. (page 70)

At the end of the section **add** "Exception: This section shall not apply to detached one and two-family dwellings and multiple single family dwellings (townhouses) not more than three stories in height where each dwelling extends from the foundation to the roof, is open on at least two sides with each dwelling having a separate means of egress and their accessory structures as regulated by the 2006 International Residential Code."

Section 906.1 Where required. *(page 79)*

Delete the Exception section under **Section 906.1(1)** in its entirety.

Section 907.1.1 Construction documents. *(page 81)*

At the end of the section **insert**:

"11. A point to point wiring diagram for all devices."

"12. A riser diagram showing the zones for all devices connected to the control panel."

Section 907.2.1.1 System initiation in Group A occupancies with an occupant load of 1,000 or more. *(page 81)*

Replace "1,000 or more" with "more than 300" in the title and in the code section.

Section 907.2.10.1.1 Group R-1. *(page 84)*

Insert "4. In each garage or storage area with a four foot or wider door to the outside."

Section 907.2.10.1.2 Groups R-2, R-3, R-4 and I-1. *(page 84)*

Insert "4. In each garage or storage area with a four foot or wider door to the outside."

Section 912.2.1 Visible location. *(page 99)*

After the words "street side" **add** "(addressed side)". At the end of the section **add** "The fire department connection shall be identified by a permanent approved sign which shall have the letters "FDC" at least 6" high in red on a white background."

Section 912.3 Access. *(page 99)*

After the word "walls" **insert** "gas meters". **Replace** "3" with "15".

Section 1026.2 Minimum size. *(page 135)*

Delete the Exception section in its entirety.

Section D103.1 Access road width with a hydrant. *(page 397)*

Delete **Section D103.1**, including **Figure D103.1**, in its entirety, and **replace** with "**D103.1** Fire apparatus access roads. All fire apparatus access roads shall meet or exceed the Knoxville-Knox County minimum subdivision regulations."

Section D103.2 Grade. *(page 397)*

Delete **Section D103.2** in its entirety.

Section D103.3 Turning radius. (page 397)

Delete **Section D103.3** in its entirety.

Section D103.4 Dead ends. (page 397)

Delete **Section D103.4**, including **Table D103.4**, in its entirety.

Section D103.5 Fire apparatus access road gates. (page 397)

Renumber **Section D103.5 to D103.2**.

Section D103.6 Signs. (page 398)

Delete **Section D103.6**, including **Figure D103.6**, in its entirety.

Section D106.1 Projects having more than 100 dwelling units. (page 398)

Replace "100" with "125" where it appears in the title and in the section.

Section D107 One- or Two-Family Residential Developments (page 399)

Delete **Section D107** in its entirety.

Amendments to the 2006 NFPA 101 Life Safety Code

Section 1.2 Purpose. (page 22)

At the end of the section **add** "Exception: This Code shall not apply to detached one and two-family dwellings and multiple single family dwellings (townhouses) not more than three stories in height where each dwelling extends from the foundation to the roof, is open on at least two sides with each dwelling having a separate means of egress and their accessory structures as regulated by the 2006 International Residential Code."

Chapter 1 Administration. (page 22)

Insert a new section as follows: "**Section 1.7** Annexes. Annex A, Explanatory Materials, is specifically included in the adoption."

Section 3.3.28.3 Apartment Building. (page 27)

At the end of the section **add** "Exception: Townhouses which are a group of three or more attached single-family dwelling units not more than three stories above-grade in height in which each unit extends from foundation to roof and with open space on at least two sides with a separate means of egress and their accessory structures as defined by the 2006 International Residential Code shall not be considered as apartments for the purposes of this code."

Section 4.7.1 Where required. (page 37)

Immediately after "shall be conducted as" **insert** "deemed necessary by the fire code official." And delete the remainder of the section.

Section 4.7.6 Fire Drill Written Record. (page 37)

Immediately after the word "manner" **insert** ", and upon request a copy shall be provided to the fire code official".

Section 6.1.14.1 General. (page 42)

Add a new section as follows: "**6.1.14.1.4** All multiple occupancies of which at least one of the occupancies is of residential use, in which occupants sleep shall be equipped with a fire alarm detection system installed in accordance with LSC 9.6 and NFPA 72. Smoke or heat detection (depending on the area to be protected and the use of the area) shall be installed in the following locations:

Residential area used for sleeping purposes.

1. within all bedrooms or sleeping rooms,
2. centrally located in a corridor or area giving access to each group of rooms used for sleeping purposes, and
3. on every level of the residential apartment.

Occupancies within the same building or structure.

1. within all areas of all occupancies within the same building or structure spaced in accordance with NFPA 72.

Plans and designs shall be submitted for permit and review in accordance with IFC Section 907.1.1, to the Knox County Department of Codes Administration and Inspections prior to installation. An acceptance test of the system must be approved by the fire inspector upon completion."

Section 7.2.2.1.1

Add "Exception 1. Residential interior stairs within a single unit of apartments, boarding houses (not transient), convents, dormitories, fraternities and sororities, hotels (non transient), monasteries, motels (non transient), and vacation timeshare properties may comply with the International Building Code section 1009.3 Stair treads and risers exception #4.

Section 9.7.4.1 (page 88)

Delete the text of this section in its entirety and replace with "Portable fire extinguishers shall be installed, inspected and maintained in all occupancies in accordance with NFPA 10, Standard for Portable Fire Extinguishers."

Section 14.3.2.1(1) (page 141)

At the end of the subsection **add** the following: "(e) Laundries (equipped only with domestic equipment) and less than or equal to 100 square feet."

Section 14.3.2.1(2)(a) (page 141)

After "Laundries" **insert** "greater than 100 square feet"

Section 15.3.2.1(1) (page 146)

At the end of the subsection **add** the following: "(e) Laundries (equipped only with domestic equipment) and less than or equal to 100 square feet."

Section 15.3.2.1(2)(a) (page 146)

After "Laundries" **insert** "greater than 100 square feet"

Section 16.1.1 Application (page 149)

Add a new section as follows: "**16.1.1.6** Unless otherwise required by the adopted codes of Knox County, Tennessee, all day care facilities (including adult day-care facilities) with seven or more persons shall be sprinklered with an NFPA 13 or 13R system."

Section 16.3.2.3 (page 151)

Delete "or **16.3.2.5**"

Section 16.3.2.5 (page 151)

Delete the text of this section in its entirety and replace with "Domestic cooking equipment capable of producing grease laden vapors shall be protected as required by NFPA 96."

Section 16.3.5.2 (page 152)

Delete this section in its entirety.

Section 16.6.3.5 Extinguishment Requirements. (page 154)

Delete this section in its entirety.

Section 17.3.2.3 (page 158)

Delete "or **17.3.2.5**"

Section 17.3.2.5 (page 158)

Delete the text of this section in its entirety and replace with "Domestic cooking equipment capable of producing grease laden vapors shall be protected as required by NFPA 96."

Chapter 24 One- and Two-Family Dwellings. (page 219)

Delete Chapter 24 in its entirety.

Section A.4.7.6 Fire Drill Written Record. *(page 309)*

Immediately after the word "paragraph" **delete** "should" and **insert** "shall" in its place.

Section A.24 *(page 375)*

Delete all six sections with the A.24 prefix in their entirety.