

ORDINANCE

**AN ORDINANCE OF THE COMMISSION
OF KNOX COUNTY, TENNESSEE REPEALING
ARTICLE I. IN GENERAL, SEC. 10-1,
(Ord. No. O-98-4-101, 7-27-98),
ARTICLE II. BUILDING CODE, SEC. 10-31 AND 10-32,
(Ord. No. O-99-6-102, 7-26-99)
ARTICLE IV. GAS CODE, SEC. 10-76,
ARTICLE V. HOUSING CODE, SEC. 10-91 AND 10-92,
ARTICLE VI. MECHANICAL CODE, SEC. 10-106,
ARTICLE VII. PLUMBING CODE, SEC. 10-136,
ARTICLE IX. SWIMMING POOLS, DIV. 2 CODE, SEC. 10-216,
ARTICLE II. FIRE PREVENTION CODE, SEC. 30-31 AND 30-32, AND
ARTICLE III. LIFE SAFETY CODE, SEC. 30-56 AND 30-57
(Ord. No. O-98-4-101, 7-27-98),
AND ADOPTING THE 2006 INTERNATIONAL BUILDING
CODE (IBC) WITH AMENDMENTS, THE 2006
INTERNATIONAL FUEL GAS CODE (IFGC)
WITH AMENDMENTS, THE 2006 INTERNATIONAL
PROPERTY MAINTENANCE CODE (IPMC) WITH
AMENDMENTS, THE 2006 INTERNATIONAL
MECHANICAL CODE (IMC) WITH AMENDMENTS,
THE 2006 INTERNATIONAL PLUMBING CODE (IPC)
WITH AMENDMENTS, THE 2006 INTERNATIONAL
FIRE CODE (IFC) WITH AMENDMENTS,
THE 2006 LIFE SAFETY CODE (LSC) WITH AMENDMENTS,
THE 2006 INTERNATIONAL CODE COUNCIL
PERFORMANCE CODE FOR BUILDINGS AND
FACILITIES (ICCPC) WITH AMENDMENTS,
THE 2006 INTERNATIONAL EXISTING BUILDING
CODE (IEBC) WITH AMENDMENTS, AND
THE 2006 INTERNATIONAL ENERGY CONSERVATION CODE
(IECC) WITH AMENDMENTS.**

ORDINANCE NUMBER:

**REQUESTED BY: KNOX COUNTY BUILDING
OFFICIAL**

PREPARED BY: KNOX COUNTY LAW DIRECTOR

**APPROVED AS TO FORM
AND CORRECTNESS: _____**

APPROVED 1ST READING: _____

APPROVED 2ND READING: _____

APPROVED EMERGENCY: _____
(Yes) (No)

VETOED: _____
Date

VETO OVERRIDE: _____

Date

MINUTE BOOK: _____ PAGE: _____

WHEREAS, Knox County has previously adopted regulations providing for conflicting codes which can be found at Knox County Code ARTICLE I. IN GENERAL, Section 10-1 and codes for regulating the construction, alteration, movement, enlargement, replacement, repair, equipment, use and occupancy, location, maintenance, removal and demolition of every building or structure or any appurtenances connected or attached to such buildings or structures within Knox County which can be found at Knox County Code ARTICLE II. BUILDING CODE, Sections 10-31 and 10-32; and

WHEREAS, Knox County has previously adopted codes for regulating the installation of fuel gas piping systems, fuel gas utilization equipment, gaseous hydrogen systems and related accessories within Knox County which can be found at Knox County Code ARTICLE IV. GAS CODE, Section 10-76; and

WHEREAS, Knox County has previously adopted codes for regulating all residential and nonresidential structures and all existing premises which constitute minimum requirements and standards for premises, structures, equipment and facilities for light, ventilation, space, heating, sanitation, protection from the elements, life safety, safety from fire and other hazards, and for safe and sanitary maintenance; the responsibility of owners, operators and occupants; the occupancy of existing structures and premises, and for administration and enforcement within Knox County which can be found at Knox County Code ARTICLE V. HOUSING CODE, Sections 10-91 and 10-92; and

WHEREAS, Knox County has previously adopted codes for regulating 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 within Knox County which can be found at Knox County Code ARTICLE VI. MECHANICAL CODE, Section 10-106; and

WHEREAS, Knox County has previously adopted codes for regulating the erection, installation, alteration, repairs, relocation, replacement, addition to, use or maintenance of plumbing systems within Knox County which can be found at Knox County Code ARTICLE VII. PLUMBING CODE, Section 10-136; and

WHEREAS, Knox County has previously adopted codes for regulating the design, construction or installation, repair or alteration of swimming pools, public and private, and equipment related thereto within Knox County which can be found at Knox County Code ARTICLE IX. SWIMMING POOLS, Division 2 Code, Section 10-216; and

WHEREAS, Knox County has previously adopted codes for regulating structures, processes, premises and safeguards regarding: The hazard of fire and explosion arising from the storage, handling or use of structures, materials or devices; conditions hazardous to life, property or public welfare in the occupancy of structures or premises; fire hazards in the structure or on the premises from occupancy or operation; and matters related to the construction, extension, repair, alteration or removal of fire suppression or alarm systems within Knox County which can be found at Knox County Code ARTICLE II. FIRE PREVENTION CODE, Sections 30-31 and 30-32; and

WHEREAS, Knox County has previously adopted codes for regulating new and existing buildings and structures regarding: Construction, protection and occupancy features necessary to minimize danger to life from the effects of fire, including smoke, heat, and toxic gases created during a fire; criteria for the design of egress facilities so as to allow prompt escape of occupants from buildings or, where desirable, into safe areas within buildings; and protective features and systems, building services, operating features, maintenance activities, and other provisions to provide adequate egress time or protection for people exposed to fire within Knox County which can be found at Knox County Code ARTICLE III, LIFE SAFETY CODE, Sections 30-56 and 30-57; and

WHEREAS, Knox County has previously adopted codes for regulating Buildings and structures regarding: Structural strength, stability, sanitation, means of access and egress, light and ventilation, safety to life and protection of property from fire and, in general, to secure life and property from other hazards affecting the built environment; provisions for the use and occupancy of buildings, structures, facilities and premises, their alteration, repair, maintenance, removal, demolition, and the installation and maintenance of all amenities including but not limited to such services as the electrical, gas, mechanical, plumbing, energy conservation and building transportation systems; and to the prevention, control, and mitigation of fire, life-safety, and property hazards arising from the use and from the storage, handling, and use of explosive, flammable and combustible materials, hazardous materials, and dangerous operations and processes within Knox County which can be found at Knox County Code CHAPTER 10 BUILDINGS AND BUILDING REGULATIONS and CHAPTER 30 FIRE PREVENTION AND PROTECTION; and

WHEREAS, Knox County has previously adopted codes for regulating the repair, alteration, change of occupancy, addition and relocation of existing buildings within Knox County which can be found at Knox County Code CHAPTER 10 BUILDINGS AND BUILDING REGULATIONS and CHAPTER 30 FIRE PREVENTION AND PROTECTION; and

WHEREAS, Knox County has rescinded previously adopted codes which contained regulations regarding the design and construction of buildings for the effective use of energy in residential and commercial buildings within Knox County which can be found at Knox County Code CHAPTER 10 BUILDINGS AND BUILDING; and

WHEREAS, it is the policy of Knox County to adopt such codes and regulations as are necessary for the preservation and enhancement of the health, safety and welfare of the citizens of Knox County; and

WHEREAS, the provisions of the 1999 Standard Building Code previously adopted and amended by Knox County, as mentioned above, is obsolete and should be repealed and it is the sense of the Knox County Commission that the newest editions of the codes should be adopted; and

WHEREAS, the 1997 Standard Gas Code previously adopted and amended by Knox County, as mentioned above, is obsolete and should be repealed and it is the sense of the Knox County Commission that the newest editions of the codes should be adopted; and

WHEREAS, the 1997 Standard Housing Code previously adopted and amended by Knox County, as mentioned above, is obsolete and should be repealed and it is the sense of the Knox County Commission that the newest editions of the codes should be adopted; and

WHEREAS, the 1997 Standard Mechanical Code previously adopted and amended by Knox County, as mentioned above, is obsolete and should be repealed and it is the sense of the Knox County Commission that the newest editions of the codes should be adopted; and

WHEREAS, the 1997 Standard Plumbing Code previously adopted and amended by Knox County, as mentioned above, is obsolete and should be repealed and it is the sense of the Knox County Commission that the newest editions of the codes should be adopted; and

WHEREAS, the 1997 Standard Swimming Pool Code previously adopted and amended by Knox County, as mentioned above, is obsolete and should be repealed and it is the sense of the Knox County Commission that the newest editions of the codes should be adopted; and

WHEREAS, the 1997 Standard Fire Prevention Code previously adopted and amended by Knox County, as mentioned above, is obsolete and should be repealed and it is the sense of the Knox County Commission that the newest editions of the codes should be adopted; and

WHEREAS, the 1997 Life Safety Code previously adopted and amended by Knox County, as mentioned above, is obsolete and should be repealed and it is the sense of the Knox County Commission that the newest editions of the codes should be adopted; and

WHEREAS, the 1999 National Electrical Code previously adopted by Knox County, as mentioned above, is obsolete and should be repealed and it is the sense of the Knox County Commission that the newest editions of the codes should be adopted; and

WHEREAS, the most current code provisions and editions of the codes to be adopted herein has been reviewed by the Knox County **code officials, and, in consultation with Knox County contractors, builders and designers, has suggested amendments to these codes, which amendments are contained herein; and**

WHEREAS, the Knox County Mayor recommends approval of this Ordinance,

NOW, THEREFORE, BE IT ORDAINED BY THE COMMISSION OF KNOX COUNTY AS FOLLOWS:

1. The Knox County Commission hereby repeals Knox County Code ARTICLE I. IN GENERAL, Section 10-1 as written and hereby adopts the following in its place for the purpose of resolving the effects of conflicts between codes within Knox County.

2. Knox County Code ARTICLE I. IN GENERAL, Section 10-1 will now read as follows:

ARTICLE I. IN GENERAL

Section 10-1 Effect of conflicts between codes.

If the provisions of any of the codes adopted under this chapter and the fire prevention chapter conflict, the **codes officials** for the county shall enforce the more stringent of the conflicting provisions; provided however, that, where provisions of the 2006 International Building Code and the 2006 Life Safety Code, NFPA 101, conflict, and the **codes officials** cannot reasonably determine which provision is more protective of the public health, safety and welfare, in that instance the provisions of the 2006 International Building Code shall prevail. Where there is a conflict between the referenced codes section in both NFPA 101 and the IFC the section governing referenced standards in NFPA 101 shall apply.

3. The Knox County Commission hereby repeals Knox County Code ARTICLE II. BUILDING CODE, Sections 10-31 and 10-32 as written and hereby adopts the following in its place for the purpose of regulating the construction, alteration, movement, enlargement, replacement, repair, equipment, use and occupancy, location, maintenance, removal and demolition of every building or structure or any appurtenances connected or attached to such buildings or structures within Knox County.

4. Knox County Code ARTICLE II. BUILDING CODE, Sections 10-31 and 10-32 will now read as follows:

ARTICLE II. 2006 INTERNATIONAL BUILDING CODE (IBC)

Section 10-31. Adopted.

The county hereby adopts the 2006 edition of the International Building Code, published by the International Code Council, Inc., by reference, as if set out at length in this section, with the amendments set out in this article.

Section 10-32. Amendments.

The code adopted by this article is amended as provided in this section (the section identifiers contained within these amendments is in conformity with the 2006 International Building Code): (See Exhibit I)

5. The Knox County Commission hereby repeals Knox County Code ARTICLE IV. GAS CODE, Section 10-76 as written and hereby adopts the following in its place for the purpose of regulating the installation of fuel gas piping systems, fuel gas utilization equipment, gaseous hydrogen systems and related accessories within Knox County.

6. Knox County Code ARTICLE IV. GAS CODE, Sections 10-76 and 10-77 will now read as follows:

ARTICLE IV. 2006 INTERNATIONAL FUEL GAS CODE (IFGC)

Section 10-76. Adopted.

The county hereby adopts the 2006 edition of the International Fuel Gas Code, published by the International Code Council, Inc., by reference, as if set out at length in this section, with the amendments set out in this article.

Section 10-77. Amendments.

The code adopted by this article is amended as provided in this section (the section identifiers contained within these amendments is in conformity with the 2006 International Fuel Gas Code): (See Exhibit II)

7. The Knox County Commission hereby repeals Knox County Code ARTICLE V. HOUSING CODE, Sections 10-91 and 10-92 as written and hereby adopts the following in its place for the purpose of regulating all residential and nonresidential structures and all existing premises which constitute minimum requirements and standards for premises, structures, equipment and facilities for light, ventilation, space, heating, sanitation, protection from the elements, life safety, safety from fire and other hazards, and for safe and sanitary maintenance; the responsibility of owners, operators and occupants; the occupancy of existing structures and premises, and for administration and enforcement within Knox County.

8. Knox County Code ARTICLE V. HOUSING CODE, Sections 10-91 and 10-92 will now read as follows:

ARTICLE V. 2006 INTERNATIONAL PROPERTY MAINTENANCE CODE (IPMC)

Section 10-91. Adopted.

The county hereby adopts the 2006 edition of the International Property Maintenance Code, published by the International Code Council, Inc., by reference, as if set out at length in this section, with the amendments set out in this article.

Section 10-92. Amendments.

The code adopted by this article is amended as provided in this section (the section identifiers contained within these amendments is in conformity with the 2006 International Property Maintenance Code): (See Exhibit III)

9. The Knox County Commission hereby repeals Knox County Code ARTICLE VI. MECHANICAL CODE, Section 10-106 as written and hereby adopts the following in its place for the purpose of regulating 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 within Knox County.

10. Knox County Code ARTICLE VI. MECHANICAL CODE, Sections 10-106 and 10-107 will now read as follows:

ARTICLE IV. 2006 INTERNATIONAL MECHANICAL CODE (IMC)

Section 10-106. Adopted.

The county hereby adopts the 2006 edition of the International Mechanical Code, published by the International Code Council, Inc., by reference, as if set out at length in this section, with the amendments set out in this article.

Section 10-107. Amendments.

The code adopted by this article is amended as provided in this section (the section identifiers contained within these amendments is in conformity with the 2006 International Mechanical Code): (See Exhibit IV)

11. The Knox County Commission hereby repeals Knox County Code ARTICLE VII. PLUMBING CODE, Section 10-136 as written and hereby adopts the following in its place for the purpose of regulating the erection, installation, alteration, repairs, relocation, replacement, addition to, use or maintenance of plumbing systems within Knox County.

12. Knox County Code ARTICLE VII. PLUMBING CODE, Sections 10-136 and 10-137 will now read as follows:

ARTICLE VII. 2006 INTERNATIONAL PLUMBING CODE (IPC)

Section 10-136. Adopted.

The county hereby adopts the 2006 edition of the International Plumbing Code, published by the International Code Council, Inc., by reference, as if set out at length in this section, with the amendments set out in this article.

Section 10-137. Amendments.

The code adopted by this article is amended as provided in this section (the section identifiers contained within these amendments is in conformity with the 2006 International Plumbing Code): (See Exhibit V)

13. The Knox County Commission hereby repeals Knox County Code ARTICLE IX. SWIMMING POOLS, Division 2, Section 10-216 as written.

14. The Knox County Commission hereby repeals Knox County Code ARTICLE II. FIRE PREVENTION CODE, Sections 30-31 and 30-32 as written and hereby adopts the following in its place for regulating structures, processes, premises and safeguards regarding: The hazard of fire and explosion arising from the storage, handling or use of structures, materials or devices; conditions hazardous to life, property or public welfare in the occupancy of structures or premises; fire hazards in the structure or on the premises from occupancy or operation; and matters related to the construction, extension, repair, alteration or removal of fire suppression or alarm systems within Knox County.

15. Knox County Code ARTICLE II. FIRE PREVENTION CODE, Sections 30-31 and 30-32 will now read as follows:

ARTICLE II. 2006 INTERNATIONAL FIRE CODE (IFC)

Section 30-31. Adopted.

The county hereby adopts the 2006 edition of the International Fire Code, published by the International Code Council, Inc., by reference, as if set out at length in this section, with the amendments set out in this article.

Section 30-32. Amendments.

The code adopted by this article is amended as provided in this section (the section identifiers contained within these amendments is in conformity with the 2006 International Fire Code): (See Exhibit VI)

16. The Knox County Commission hereby repeals Knox County Code ARTICLE II. LIFE SAFETY CODE, Sections 30-56 and 30-57 as written and hereby adopts the following in its place for the purpose of regulating new and existing buildings and structures regarding: Construction, protection and occupancy features necessary to minimize danger to life from the effects of fire, including smoke, heat, and toxic gases created during a fire; criteria for the design of egress facilities so as to allow prompt escape of occupants from buildings or, where desirable, into safe areas within buildings; and protective features and systems, building services, operating features, maintenance activities, and other provisions to provide adequate egress time or protection for people exposed to fire within Knox County.

17. Knox County Code ARTICLE III. LIFE SAFETY CODE, Sections 30-56 and 30-57 will now read as follows:

ARTICLE III. 2006 LIFE SAFETY CODE (LSC)

Section 30-56. Adopted.

The county hereby adopts the 2006 edition of the Life Safety Code, published by the National Fire Protection Association, by reference, as if set out at length in this section, with the amendments set out in this article.

Section 30-57. Amendments.

The code adopted by this article is amended as provided in this section (the section identifiers contained within these amendments is in conformity with the 2006 Life Safety Code): (See Exhibit VII)

18. New Knox County Code ARTICLE X. Sections 10-261 and 10-262 will read as follows:

ARTICLE X. 2006 INTERNATIONAL CODE COUNCIL PERFORMANCE CODE FOR BUILDINGS AND FACILITIES (ICCPC)

Section 10-261. Adopted.

The county hereby adopts the 2006 edition of the International Code Council Performance Code For Buildings And Facilities, published by the International Code Council, Inc., by reference, as if set out at length in this section, with the amendments set out in this article.

Section 10-262. Amendments.

The code adopted by this article is amended as provided in this section (the section identifiers contained within these amendments is in conformity with the 2006 edition of the International Code Council Performance Code For Buildings And Facilities): (See Exhibit VIII)

19. New Knox County Code ARTICLE XI. Sections 10-281 and 10-282 will now read as follows:

ARTICLE XI. 2006 INTERNATIONAL EXISTING BUILDING CODE (IEBC)

Section 10-281. Adopted.

The county hereby adopts the 2006 edition of the International Existing Building Code, published by the International Code Council, Inc., by reference, as if set out at length in this section, with the amendments set out in this article.

Section 282. Amendments.

The code adopted by this article is amended as provided in this section (the section identifiers contained within these amendments is in conformity with the 2006 edition of the International Existing Building Code): (See Exhibit IX)

20. New Knox County Code ARTICLE XII. Sections 301 and 302 will now read as follows:

ARTICLE XII 2006 INTERNATIONAL ENERGY CONSERVATION CODE (IECC)

Section 301. Adopted.

The county hereby adopts the 2006 edition of the International Energy Conservation Code, published by the International Code Council, Inc., by reference, as if set out at length in this section, with the amendments set out in this article.

Section 302. Amendments.

The code adopted by this article is amended as provided in this section (the section identifiers contained within these amendments is in conformity with the 2006 edition of the International Energy Conservation Code): (See Exhibit X)

Exhibit I
Amendments to the 2006 International Building Code

Section 101.1 Title.

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

Section 101.2.1 Appendices.

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.

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

Section 104.4 Inspections.

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.

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.

Change “shall” to “may” in two places.

Section 109.5 Inspection requests.

At the end of the section insert “The inspection is not required to be made if the inspector has to put himself / herself at risk due to a violation of the occupational safety and health standards for the construction industry promulgated by Occupational Safety and Health Administration (OSHA).”

Section 712.2 Installation details.

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. (The IBC fire-stopping certificate of completion form 712.2.1(1) is available at the Knox County Fire Prevention Bureau).”

Section [F]907.1.1 Construction documents.

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.

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.

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.

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

Section 1013.1 Guards.

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.

Delete the Exception subsection in its entirety.

Section 1612.3 Establishment of flood hazard areas.

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.

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

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.

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

Section 3401.3 Compliance with other codes.

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

Section 3410.2 Applicability.

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.

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.

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.

After the word “disciplines” insert “or as determined by the Building Official and the Fire Official”

Section G102.2 Establishment of flood hazard areas.

Delete “on [INSERT DATE]”

Section H101.2 Signs exempt from permits.

Delete Section H101.2 in its entirety.

Section J101.1 Scope.

Immediately after the word “chapter” insert “and the Knox County Department of Engineering and Public Works”

Section K101.1 Title.

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

Section K401.1 Permits required.

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.

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

Delete the word “shall” and insert the word “may” in its place.

Chapter K11 Means of Appeal

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.”

Exhibit II
Amendments to the 2006 International Fuel Gas Code

Section 101.1 Title.

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

Section 101.3 Appendices.

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

- Appendix A Sizing And Capacities Of Gas Piping (IFGS)
- Appendix B Sizing Of Venting Systems Serving Appliances Equipped With Draft Hoods, Category I Appliances, And Appliances Listed For Use With Type B Vents (IFGS)
- Appendix C Exit Terminals Of Mechanical Draft And Direct-Vent Venting Systems (IFGS)
- Appendix D Recommended Procedure For Safety Inspection Of An Existing Appliance Installation (IFGS)”

Section 106.5.2 Fee Schedule.

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.

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

Section 107.1 Required Inspections And Testing.

At the end of the first paragraph, insert “The inspection is not required to be made if the inspector has to put himself / herself at risk due to a violation of the occupational safety and health standards for the construction industry promulgated by Occupational Safety and Health Administration (OSHA).”

Section 108.4 Violation Penalties.

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.

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 (IFGC) Means Of Appeal.

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.

Exhibit III

Amendments to the 2006 International Property Maintenance Code

Section 101.1 Title.

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

Section 102.3 Application of other codes.

Delete “the *International Building Code, International Fuel Gas Code, International Mechanical Code and the ICC Electrical Code*. Nothing in this code shall be construed to cancel, modify or set aside any provision of the *International Zoning Code*.” and insert in its place “all of the adopted codes, ordinances, and resolutions of Knox County, Tennessee.”

Section 102.5 Workmanship.

At the end of the section, insert “Residential Construction Performance Guidelines for Professional Builders & Remodelers, Third Edition as published by the National Association of Home Builders may be used as a performance guideline.”

Section 103.4 Severability.

Insert “, Public Building Authority employee,” after each occurrence of the word officer.

Section 103.5 Fees.

Delete [JURISDICTION TO INSERT APPROPRIATE SCHEDULE] and insert in its place “Fees as adopted by resolution for Knox County, Tennessee.”

Section 111 Means Of Appeal.

Delete Section 111 in its entirety and insert in its place “The Board of Appeals shall be as established and regulated by the 2006 International Building Code.”

Section 201.3 Terms defined in other codes.

Delete “the *International Building Code, International Fire Code, International Zoning Code, International Plumbing Code, International Mechanical Code or the ICC Electrical Code*” and insert “all of the adopted codes, ordinances, and resolutions of Knox County, Tennessee.”

Section 302.4 Weeds.

Delete “(jurisdiction to insert height in inches)” and insert in its place “twelve inches” .

Section 304.14 Insect screens.

Delete “During the period from [DATE] to [DATE],” and change “every” to “Every”.

Section 602.3 Heat supply.

Delete “during the period from [DATE] to [DATE]”

Section 602.4 Occupiable work spaces.

Delete “during the period from [DATE] to [DATE]”

Chapter 8 Referenced Standards

Delete “IZC-06 International Zoning Code®102.3, 201.3”

At the end of the section insert “Residential Construction Performance Guidelines for Professional Builders & Remodelers, Third Edition as published by the National Association of Home Builders.102.5.”

Exhibit IV
Amendments to the 2006 International Mechanical Code

Section 101.1 Title.

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

Section 101.2.1 Appendices.

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.

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.

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

Section 107.1 Required Inspections And Testing.

At the end of the first paragraph, insert “The inspection is not required to be made if the inspector has to put himself / herself at risk due to a violation of the occupational safety and health standards for the construction industry promulgated by Occupational Safety and Health Administration (OSHA).”

Section 108.4 Violation Penalties.

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.

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.

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.

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.”

Exhibit V

Amendments to the 2006 International Plumbing Code

Section 101.1 Title.

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

Section 101.2 Scope

At the end of the first paragraph insert “The following Appendices are specifically included in the adoption. All others are excluded.

- Appendix B Rates Of Rainfall For Various Cities
- Appendix C Gray Water Recycling Systems
- Appendix D Degree Day And Design Temperatures
- Appendix E Sizing Of Water Piping System
- Appendix F Structural Safety
- Appendix G Vacuum Drainage System”

Section 106.6.2 Fee Schedule.

Delete Section 106.6.2 in its entirety and insert “Fees as adopted by resolution for Knox County, Tennessee.”

Section 106.6.3 Fee Refunds.

Delete Section 106.6.3 in its entirety including the section number and title.

Section 107.1 Required Inspections And Testing.

At the end of the first paragraph, insert “The inspection is not required to be made if the inspector has to put himself / herself at risk due to a violation of the occupational safety and health standards for the construction industry promulgated by Occupational Safety and Health Administration (OSHA).”

Section 108.4 Violation Penalties.

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.

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.

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 301.3 Connections to the sanitary drainage system.

At the end of the section insert “Exception: Bathtubs, showers, lavatories, clothes washers and laundry trays shall not be required to discharge to the sanitary drainage system where such fixtures discharge to an approved gray water system for flushing of water closets and urinals or for subsurface landscape irrigation.”

Section 305.6.1 Sewer Depth.

Delete “[NUMBER]” in two places and insert “twelve” in its place.

Delete “(mm)” in two places.

Section 701.2 Sewer Required.

Delete “in accordance with the *International Private Sewage Disposal Code*”.

Section 904.1 Roof Extension.

Delete [NUMBER]” and insert “twelve” in its place.

Delete “(mm)”

Section 1101.1 Scope.

Insert “This shall be in addition to all regulations enforced by the Knox County Department of Engineering and Public Works.” at the end of the section.

Exhibit VI

Amendments to the 2006 International Fire Code

Section 101.1 Title.

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

Section 101.2.1 Appendices

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.

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

Section 106.1 Inspection Authority.

At the end of the section insert “The inspection is not required to be made if the inspector has to put himself / herself at risk due to a violation of the occupational safety and health standards for the construction industry promulgated by Occupational Safety and Health Administration (OSHA).”

Section 106.2 Inspections.

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.

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.

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.

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.

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.

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.

At the end of the section insert “Fire hydrants shall be maintained unobstructed in accordance with Section 508.5.5(1)”

Section 508.5.5 Clear space around hydrants.

At the end of the section, before the period, insert “by the fire code official. Fire hydrants shall be maintained unobstructed in accordance with Section 508.5.5.1.”

Add a new section as follows: “**Section 508.5.5.1 Fire hydrant detail.**

(The Fire hydrant detail is available at the Knox County Fire Prevention Bureau).”

Section 508.5 Fire hydrant systems.

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.

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.

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.

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

Section 901.6.2 Records.

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.

In the first sentence, after “required” add “or otherwise installed”.

Section 901.7 Systems out of service.

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.

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.

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

Section 907.1.1 Construction documents.

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.

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.

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.

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

Section 912.2.1 Visible location.

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.

After the word “walls” insert “gas meters”. Replace “3” with “15”.

Section 1026.2 Minimum size.

Delete the Exception section in its entirety.

Section D103.1 Access road width with a hydrant.

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.

Delete Section D103.2 in its entirety.

Section D103.3 Turning radius.

Delete Section D103.3 in its entirety.

Section D103.4 Dead ends.

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

Section D103.5 Fire apparatus access road gates.

Re-number Section D103.5 to D103.2.

Section D103.6 Signs.

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

Section D106.1 Projects having more than 100 dwelling units.

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

Section D107 One- or Two-Family Residential Developments

Delete Section D107 in its entirety.

Exhibit VII

Amendments to the 2006 NFPA 101 Life Safety Code

Section 1.2 Purpose.

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.

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.

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.

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.

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.

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

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)

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)

After “Laundries” insert “greater than 100 square feet”

Section 15.3.2.1(1)

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)

After “Laundries” insert “greater than 100 square feet”

Section 16.1.1 Application

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

Delete “or 16.3.2.5”

Section 16.3.2.5

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

Delete this section in its entirety.

Section 16.6.3.5 Extinguishment Requirements.

Delete this section in its entirety.

Section 17.3.2.3

Delete “or 17.3.2.5”

Section 17.3.2.5

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.

Delete Chapter 24 in its entirety.

Section A.4.7.6 Fire Drill Written Record.

Immediately after the word “paragraph” delete “should” and insert “shall” in its place.

Section A.24

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

Exhibit VIII

Amendments to the 2006 International Code Council Performance Code

Section 103.3.6.3 Contract and peer review.

At the end of the section insert “All costs for the required contract and peer reviews shall be the responsibility of the applicant.”

Section 103.3.8.4 Technical opinion.

At the end of the section insert “All costs for these services shall be the responsibility of the applicant.”

Section 201.3 Terms not defined in other codes.

Delete this section in its entirety and replace with the following:

“**Section 201.3 Terms defined in other codes.** Where terms are not defined in this code and are defined in other adopted codes such terms shall have the meanings ascribed to them as in those codes.”

Section 201.4 Terms not defined.

Insert a new section as follows:

“Section 201.4 Terms not defined.

Where terms are not defined through the methods authorized by this section, such terms shall have ordinarily accepted meanings such as the context implies.”

Exhibit IX

Amendments to the 2006 International Existing Building Code

Section 101.1 Title.

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

Section 101.2 Scope.

At the end of the section insert “The use of this code shall not exempt any portion of any existing building from any of the requirements of the 2006 NFPA 101 Life Safety Code.”

Section 101.4.1 Buildings not previously occupied.

Immediately after “*International Building Code,*” insert “,the 2006 NFPA 101 Life Safety Code”

Section 101.4.2 Buildings previously occupied.

Immediately after “*International Fire Code,*” insert “the 2006 NFPA 101 Life Safety Code,”

Section 101.5 Compliance methods

Immediately after the word “applicant” at the end of the first sentence insert “and with the 2006 NFPA 101 Life Safety Code”

Section 101.7 Appendices.

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

Appendix A Guidelines For The Seismic Retrofit Of Existing Buildings

Appendix B Supplementary Accessibility Requirements For Existing Buildings And Structures”

Section 102.4 Referenced codes and standards

At the end of the section add “Exception: Where differences occur between provisions of this code and the 2006 NFPA 101 Life Safety Code, the code officials shall decide which shall apply.”

Section 103.1 Creation of enforcement agency.

Insert “ These departments shall be known as the Knox County Department of Codes Administration & Inspections and the Knox County Fire Prevention Bureau.” at the end of the section.

Section 109.3 Required inspections.

Delete this section in its entirety and replace with “When required by the code officials, the inspections set forth in Sections 109.3.1 through 109.3.9 shall be subject to inspection by the code officials.”

Section 109.5 Inspection requests.

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 112 Board of Appeals

Delete this section in its entirety and insert “The Board of Appeals shall be as established and regulated by the International Building Code.”

Section [B]302.2.2 Live load reduction

Delete the word “in” from this section

Section 303.2.3 Seismic.

Change the section number to “302.2.3”.

Section 303.2.3.1 Additions to existing buildings.

Change the section number to “302.2.3.1”.

Section 303.2.3.2 Alterations

Change the section number to “302.2.3.2”.

Section 405.1 Scope

At the end of the sentence, before the period, insert “or as otherwise deemed necessary by the codes officials”

Section 1301.2 Applicability.

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 effective date of building codes within the jurisdiction” in its place.

Exhibit X

Amendments to the 2006 International Energy Conservation Code

Section 101.1 Title.

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

Section 105.2 Required approvals.

At the end of the last sentence before the period insert “except as allowed by the building official”.