

Distribution:

County Board

County Administrator

Planning Building & Development

State's Attorney

STATE OF ILLINOIS )

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COUNTY OF LAKE )

COUNTY BOARD, LAKE COUNTY, ILLINOIS

Date: June 13, 2023

**ORDINANCE ADOPTING THE ICC INTERNATIONAL BUILDING CODE, 2018 (as amended), the ICC INTERNATIONAL RESIDENTIAL CODE 2018 (as amended), the ICC INTERNATIONAL MECHANICAL 2018, (as amended), the ICC INTERNATIONAL FUEL GAS CODE 2018, (as amended), the ICC INTERNATIONAL SWIMMING POOL and SPA CODE 2018, (as amended), the ICC INTERNATIONAL FIRE CODE 2018 (as amended) and the NFPA 70 NATIONAL ELECTRICAL CODE 2017, (as amended) BY THE COUNTY OF LAKE, ILLINOIS**

**WHEREAS**, this County Board has heretofore adopted the ICC International Building Code 2012, the ICC International Residential Code 2012, the ICC International Mechanical Code 2012, the ICC International Fuel Gas Code 2012, the ICC International Swimming Pool and Spa Code 2012, the ICC International Fire Code 2012 and the NFPA National Electrical Code 2011; and

**WHEREAS**, your Planning, Building and Zoning Committee and your Director of the Lake County Planning, Building and Development Department and the Building Official recommend the update of the ICC International Building Code, 2018 (as amended), the ICC International Residential Code, 2018 (as amended), the ICC International Mechanical Code 2018, (as amended), the ICC International Fuel Gas Code 2018, (as amended), the ICC International Swimming Pool and Spa Code 2018, (as amended), the ICC International Fire Code 2018 (as amended) and the NFPA 70 National Electrical Code 2017, (as amended) to reflect the more current standards and practices of construction here in Lake County be adopted; and

**WHEREAS**, three (3) copies of said, ICC International Building Code, 2018 (as amended), ICC International Residential Code, 2018 (as amended), ICC International Mechanical Code 2018, (as amended), ICC International Fuel Gas Code 2018, (as amended), ICC International Swimming Pool and Spa Code 2018, (as amended), ICC International Fire Code 2018 (as amended) and NFPA 70 National Electrical Code 2017 (as amended) have been filed in the Office of the Lake County Clerk pursuant to 55 ILCS 5/5-6002, in compliance with the time frame set out therein.

NOW, THEREFORE, BE IT ORDAINED by the County Board of Lake County, Illinois as follows;

Section 1. Effective July 17, 2023 upon passage of this Ordinance, the ICC International Building Code, 2018 (as amended), the ICC International Residential Code, 2018 (as amended), the ICC International Mechanical Code 2018, (as amended), the ICC International Fuel Gas Code 2018, (as amended), the ICC

International Swimming Pool and Spa Code 2018, (as amended), the ICC International Fire Code 2018 (as amended) and the NFPA 70 National Electrical Code 2017, (as amended) be and are hereby adopted by reference in unincorporated Lake County, Illinois pursuant to 55 ILCS 5/5-6002 through 5-6006. Applicable amendments to these codes are attached hereto and made part hereof.

Section 2. The Planning, Building & Development Department shall enforce the ICC International Building Code, 2018 (as amended), the ICC International Residential Code, 2018 (as amended), the ICC International Mechanical Code 2018, (as amended), the ICC International Fuel Gas Code 2018, (as amended), the ICC International Swimming Pool and Spa Code 2018, (as amended), the ICC International Fire Code 2018 (as amended) and the NFPA 70 National Electrical Code 2017, (as amended) within the Planning, Building and Development Departments areas of jurisdiction.

Section 3. The penalty for violation of any of the provisions of the ICC International Building Code, 2018 (as amended), the ICC International Residential Code, 2018 (as amended), the ICC International Mechanical Code 2018, (as amended), the ICC International Fuel Gas Code 2018, (as amended), the ICC International Swimming Pool and Spa Code 2018, (as amended), the ICC International Fire Code 2018 (as amended), and the NFPA 70 National Electrical Code 2017 (as amended), shall be a fine not to exceed five hundred dollars (\$500.00) per offense and that each week that the violation exists shall be a separate offense. Nothing herein, however, shall preclude enforcement proceedings by means other than a fine, including injunction proceedings.

## 150.16 2018 INTERNATIONAL BUILDING CODE AMENDMENTS

### (A) General Amendments

#### (1) ICC International Energy Conservation Code.

Any and all references to the ICC International Energy Conservation Code or Chapter 13 are hereby deleted and replaced with the State of Illinois Energy Conservation Code.

#### (2) ICC International Plumbing Code.

Any and all references to the ICC International Plumbing Code are hereby deleted and replaced with the State of Illinois Plumbing Code, current edition.

#### (3) ICC International Property Maintenance Code.

Any and all references to the ICC International Property Maintenance Code are hereby deleted and replaced with "Lake County Nuisance Ordinance".

#### (4) ICC International Private Sewage Disposal Code.

Any and all references to the ICC International Private Sewage Disposal Code are hereby deleted and replaced with the "Lake County Board of Health Ordinance Article V"

#### (5) ICC International Existing Building Code.

INSERT CHAPTER 34 FROM THE 2012 IBC WITH THE FOLLOWING AMENDMENTS:

Modify § 3401.3 to read as follows:

3401.3 Compliance with other codes. Alterations, additions, repairs and changes of occupancy to existing structures shall comply with the provisions for alterations, repairs, additions and changes of occupancy in the International Fire Code, International Fuel Gas Code, State of Illinois Plumbing Code, BOCA National Property Maintenance Code, International Sewage Disposal Code as it may be amended by article 2901.1, International Mechanical Code, International Residential Code, International Energy Conservation Code and National Electrical Code.

#### (6) ICC International Building Code.

Any and all references in the ICC International Building Code that has the words "fire code official" shall be changed to read "Building Official".

### (B) Specific Amendments

Page 1: Section 101.1: Insert the words "Lake County Planning, Building & Development" to replace "[NAME OF JURISDICTION]".

Page 1: Section 101.2 Exception: Re-write the section as follows:

Exception: detached one- and two-family dwellings and *townhouses* consisting of not more than two dwelling units that are not more than three stories above *grade plane* in height with a separate means of egress, and their *accessory structures* not more than three stories above *grade plane* in height.

Page 2: Section 103: Delete the words "DEPARTMENT OF BUILDING SAFETY" and insert the words "Planning, Building & Development Department".

Page 2: Section 103.1: Delete the words “Department of Building Safety” and insert the words: “Planning, Building & Development Department”.

Page 3 & 4: Section 105.2 Work exempt from permit. Exemptions from *permit* requirements of this code shall not be deemed to grant authorization for any work to be done in any manner in violation of the provisions of this code or any other laws or ordinances of this jurisdiction. *Permits* shall not be required for the following:

Building:

Amend Item # 1. ~~One-story detached accessory structures used as tool and storage sheds, p~~  
Playhouses and similar uses, provided the floor area does not exceed 120 square feet.

Delete with no substitution Items 2, 3, 4, 5, and 8.

Page 5: Section 105.5

Delete the existing Section and insert a new section as follows:

Permit time limits. All permits shall become void if:

1. A substantial start of construction is not made within six months from the date of issuance.
2. Substantial work is not performed during any six-month period.
3. Permits for new structures, additions and alterations greater than 1,000 square feet are not completed, and a certificate of occupancy has not been issued within two years of the date of issuance.
4. Permits for additions and alterations 1,000 square feet or less in area are not completed, and a certificate of occupancy has not been issued within one year of the date of issuance.
5. Permits for commercial swimming pools are not completed and a certificate of occupancy is not issued within a six-month period from the date of issuance.
6. Permits for demolition are not completed within ninety days after the date of issuance.
7. Permits for fences, re-siding, re-roofing, decks, electrical up grade, sheds, detached garages, screen porches and any minor alteration to an existing building that does not exceed 1,000 square feet are not completed and, if applicable, a certificate of occupancy is not issued within six months from the date of issuance.
8. Permits for telecommunication facilities and related work, including co-locates and antenna replacement, are not completed and, if applicable, a certificate of occupancy issued within six months from the date of issuance.

The building official is authorized, but not obligated, to grant, in writing, one or more extensions of time, for periods up to but not more than 180 days each. The extension shall be requested in writing and justifiable cause demonstrated.

Page 6: Section 107.1: Delete the words “two or more” and insert the word “three”.

Page 6: Section 107.2: Re-write the section to read as follows:

107.2.1 Information on construction documents:

*Construction documents* shall be dimensioned and drawn on suitable material. Minimum scale shall be 1/8 inch per foot. Maximum scale shall be 1/2 inch per foot. Electronic media documents are

permitted to be submitted where *approved* by the *building official*. Construction documents shall be of sufficient clarity to indicate the location, nature and extent of the work proposed and show in detail that it will conform to the provisions of this code and relevant laws, ordinances, rules and regulations, as determined by the *building official*.

Exception: Sections or sketches may be drawn to a larger scale for clarity.

Page 6: Section 107.2.6: In the first sentence delete the word “a site plan” and insert the words “a minimum of three site plans”

Page 6: Section 107.3.1: Delete the words “as “Reviewed for Code Compliance” with no substitution.

Page 10: Section 113: Delete the entire section and replace with:

Section 113  
Application for Appeal

“113.1 Application for Appeal: Any person shall have the right to appeal a decision of the Building Official to the Zoning Board of Appeals. An application for appeal shall be based on a claim that the true intent of this code or the rules legally adopted thereunder have been incorrectly interpreted, the provisions of this code do not fully apply, or an equivalent form of construction is to be used. The board shall not have authority to waive any requirements of this code.

113.2 Disqualification of Member: A member shall not hear an appeal in which that member has any personal, professional or financial interest.

113.3 Compensation of Members: Compensation of members shall be determined by law.

113.4 Notice of Meeting: Any appeal must be filed with the Zoning Board of Appeals within 30 days after the date of the Building Official’s decision thereon.

113.5 Open Hearing: All hearings before the Board of Appeals shall be open to the public. The appellant, the appellant’s representative, the Building Official and any person whose interests are affected shall be given an opportunity to be heard.

113.5.1 Procedure: The Zoning Board of Appeals shall adopt and make available to the public through the Secretary, procedures under which a hearing will be conducted. The procedures shall not require compliance with strict rules of evidence but shall mandate that only relevant information be received.

113.6 Administration: The Building Official shall take immediate action in accordance with the decision of the Zoning Board of Appeals.”

Page 10: Section 114: Add the following section:

114.1.1 Enforcement. The county may enforce violations of this code in accordance with the Lake County Administrative Adjudication Ordinance (§§ 94.50 through 94.66 of the Lake County Code of Ordinances) or as spelled out in sections 114.2 through 114.4

Section 114.4: Delete the words “penalties as prescribed by law” and insert the words “a fine of \$500.00 per offense. Each week shall constitute a separate offense.”

Page 22: Chapter 22: Add the following Definitions:

**ELECTRIC VEHICLE.** An automotive-type vehicle for on-road use primarily powered by an electric motor that draws current from an onboard battery charged through a building electrical service, electric vehicle supply equipment (EVSE), or another source of electric current.

**ELECTRIC VEHICLE SUPPLY EQUIPMENT (EVSE).** The apparatus installed specifically for the purpose of transferring energy between the premises wiring and the Electric Vehicle.

**EV-CAPABLE SPACE.** A dedicated parking space with electrical panel capacity and space for a branch circuit that supports the EV parking space that is not less than 40-ampere and 208/240-volt and equipped with raceways, both underground and surface mounted, to enable the future installation of electric vehicle supply equipment. For two adjacent EV-Capable spaces, a single branch circuit is permitted.

**EV-INSTALLED SPACE.** Parking spaces that have EV supply equipment that is fully installed from the electrical panel to the parking space.

**EV-READY SPACE.** A designated parking space which is provided with a dedicated branch circuit that is not less than 40-ampere and 208/240-volt assigned for electric vehicle supply equipment terminating in a receptacle or junction box located in close proximity to the proposed location of the EV parking space. For two adjacent EV-Ready spaces, a single branch circuit is permitted.

Page 53: Section 310.4.1: Re-write the section as follows:

**310.4.1 Care Facilities within a dwelling.** Care facilities for eight or fewer persons receiving care that are within a single-family dwelling are permitted to comply with the International Residential Code provided an automatic sprinkler system is installed in accordance with Section 903.3.1.3 or Section P2904 of the International Residential Code.

Page 59: Section 403.1: Add a sentence to the end of the paragraph that reads

“The height of the building for fire department access shall be measured from the average grade elevation to the highest finished floor level.”

Page 76: Section 411.1: Change the existing exception to number “1” and add another exception to read,

“2. A temporary use permit (not to exceed 30 days) may be issued for a haunted house in an existing structure provided the following criteria is approved.

- A. A special inspection has been conducted and the report is in the office.
- B. A plot plan showing sufficient parking for the anticipated customers and all structures on the property.
- C. A floor plan showing the existing and proposed layout of partitions, windows and means of egress.

- D. A list of all interior finishes and materials to be used for decorations and their flame spread and smoke development ratings.
- E. Plans showing permanent, temporary and emergency lighting.
- F. Methods of assuring continuous movement of occupants through the amusement such as but not limited to;
  - 1) Permanently stationed supervisory personnel.
  - 2) Directional arrows.
  - 3) Other means.
- G. Method of assuring fire protection such as but not limited to;
  - 1) An automatic sprinkler system.
  - 2) Fire detection/alarm system.
  - 3) Portable fire extinguishers.”

Page 105: Section 505.2.2: Delete the words “Section 1007” and insert the words “State of Illinois Accessibility Standard”.

Page 218 – 221: Section 903 Re-write sections 903.1 through 903.2.11 as follows;

903.1 General. *Automatic sprinkler systems* shall comply with this section.

903.1.1 Alternative protection. Alternative *automatic fire-extinguishing systems* complying with Section 904 shall be permitted instead of automatic sprinkler protection where recognized by the applicable standard and *approved* by the fire code official.

903.2 Where required. Approved *automatic sprinkler systems* in new buildings and structures shall be provided in the locations described in Sections 903.2.1 through 903.2.12. Exception: Spaces or areas in telecommunications buildings used exclusively for telecommunications equipment, associated electrical power distribution equipment, batteries and standby engines, provided that those spaces or areas are equipped throughout with an *automatic smoke detection system* in accordance with Section 907.2 and are separated from the remainder of the building by not less than 1-hour *fire barriers* constructed in accordance with Section 707 or not less than 2-hour *horizontal assemblies* constructed in accordance with Section 711, or both.

903.2.1 Group A. An *automatic sprinkler system* shall be provided throughout buildings and portions thereof used as Group A occupancies as provided in this section.

903.2.1.1 Group A-1. An *automatic sprinkler system* shall be provided throughout stories containing Group A-1 occupancies and throughout all stories from the Group A-1 occupancy to and including the levels of exit discharge serving that occupancy where one of the following conditions exists:

1. The *fire area* exceeds 5,000 square feet.
2. The *fire area* has an *occupant load* of 300 or more.
3. The *fire area* is located on a floor other than a *level of exit discharge* serving such occupancies.
4. The *fire area* contains a multi theater complex.

903.2.1.2 Group A-2. An *automatic sprinkler system* shall be provided throughout stories containing Group A-2 occupancies and throughout all stories from the Group A-2 occupancy to and including the levels of exit discharge serving that occupancy where one of the following conditions exists:

1. The *fire area* exceeds 5,000 square feet.
2. The *fire area* has an *occupant load* of 100 or more.
3. The *fire area* is located on a floor other than a *level of exit discharge* serving such occupancies.

903.2.1.3 Group A-3. An *automatic sprinkler system* shall be provided throughout stories containing Group A-3 occupancies and throughout all stories from the Group A-3 occupancy

to and including the levels of exit discharge serving that occupancy where one of the following conditions exists:

1. The *fire area* exceeds 5,000 square feet.
2. The *fire area* has an *occupant load* of 300 or more.
3. The *fire area* is located on a floor other than a *level of exit discharge* serving such occupancies.

903.2.1.4 Group A-4. An *automatic sprinkler system* shall be provided throughout stories containing Group A-4 occupancies and throughout all stories from the Group A-4 occupancy to and including the levels of exit discharge serving that occupancy where one of the following conditions exists:

1. The *fire area* exceeds 5,000 square feet.
2. The *fire area* has an *occupant load* of 300 or more.
3. The *fire area* is located on a floor other than a *level of exit discharge* serving such occupancies.

903.2.1.5 Group A-5. An *automatic sprinkler system* shall be provided for all enclosed Group A-5 accessory use areas in excess of 1,000 square feet.

903.2.1.5.1 Spaces under grandstands or bleachers. Enclosed spaces under grandstands or *bleachers* shall be equipped with an *automatic sprinkler system* in accordance with Section 903.3.1.1 where either of the following exist:

1. The enclosed area is 1,000 square feet or less and is not constructed in accordance with Section 1029.1.1.1.
2. The enclosed area exceeds 1,000 square feet.

903.2.1.6 Assembly occupancies on roofs. Where an occupied roof has an assembly occupancy with an *occupant load* exceeding 100 for Group A-2 and 300 for other Group A occupancies, all floors between the occupied roof and the *level of exit discharge* shall be equipped with an *automatic sprinkler system* in accordance with Section 903.3.1.1 or 903.3.1.2.

Exception: Open parking garages of Type I or Type II construction.

903.2.1.7 Multiple fire areas. An *automatic sprinkler system* shall be provided where multiple fire areas of Group A-1, A-2, A-3 or A-4 occupancies share exit or exit access components and the combined *occupant load* of these fire areas is 300 or more.

903.2.2 Ambulatory care facilities. An *automatic sprinkler system* shall be installed throughout the entire floor containing an *ambulatory care facility* where either of the following conditions exist at any time:

1. Four or more care recipients are incapable of self-preservation.
2. One or more care recipients that are incapable of self-preservation are located at other than the level of exit discharge serving such a facility. In buildings where ambulatory care is provided on levels other than the *level of exit discharge*, an *automatic sprinkler system* shall be installed throughout the entire floor as well as all floors below where such care is provided, and all floors between the level of ambulatory care and the nearest *level of exit discharge*, the level of exit discharge, and all floors below the level of *exit discharge*.

Exception: Floors classified as an open parking garage are not required to be sprinklered.

903.2.2.1 Group B An *automatic sprinkler system* shall be provided throughout buildings containing Group B occupancies and throughout all stories from the Group B occupancy to and including the levels of exit discharge serving that occupancy where one of the following conditions exists:

1. The *fire area* exceeds 5,000 square feet.
2. The *fire area* has an *occupant load* of 300 or more.
3. The *fire area* is located on a floor other than a *level of exit discharge* serving such occupancies.



903.2.3 Group E. An *automatic sprinkler system* shall be provided for Group E occupancies as follows:

1. Throughout all Group E *fire areas* greater than 5,000 square feet in area.
2. The Group E *fire area* is located on a floor other than a level of exit discharge serving such occupancies. required in any area below the lowest level of exit discharge serving that area.
3. The Group E *fire area* has an occupant load of 300 or more.

903.2.4 Group F. An *automatic sprinkler system* shall be provided throughout all buildings containing a Group F occupancy where one of the following conditions exists:

1. A Group F *fire area* exceeds 5,000 square feet.
2. A Group F *fire area* is located more than three stories above *grade plane*.
3. The combined area of all Group F *fire areas* on all floors, including any mezzanines, exceeds 24,000 square feet.
4. A Group F occupancy used for the manufacture of upholstered furniture or mattresses exceeds 2,500 square feet.

903.2.4.1 Woodworking operations. An *automatic sprinkler system* shall be provided throughout all Group F occupancy *fire areas* that contain woodworking operations in excess of 2,500 square feet in area that generate finely divided combustible waste or use finely divided combustible materials.

903.2.5 Group H. *Automatic sprinkler systems* shall be provided in high-hazard occupancies as required in Sections 903.2.5.1 through 903.2.5.3.

903.2.5.1 General. An *automatic sprinkler system* shall be installed in Group H occupancies.

903.2.5.2 Group H-5 occupancies. An *automatic sprinkler system* shall be installed throughout buildings containing Group H-5 occupancies. The design of the sprinkler system shall be not less than that required by this code for the occupancy hazard classifications in accordance with Table 903.2.5.2. Where the design area of the sprinkler system consists of a *corridor* protected by one row of sprinklers, the maximum number of sprinklers required to be calculated is 13.

903.2.5.3 Pyroxylin plastics. An *automatic sprinkler system* shall be provided in buildings, or portions thereof, where cellulose nitrate film or pyroxylin plastics are manufactured, stored or handled in quantities exceeding 100 pounds (45 kg)

**TABLE 903.2.5.2  
GROUP H-5 SPRINKLER DESIGN CRITERIA**

<b>LOCATION</b>	<b>OCCUPACY HAZARD CLASSIFICATION</b>
Fabrication Areas	Ordinary Hazard Group 2
Service Corridors	Ordinary Hazard Group 2
Storage rooms without dispensing	Ordinary Hazard Group 2
Storage rooms with dispensing	Extra Hazard Group 2
Corridors	Ordinary Hazard Group 2

903.2.6 Group I. An *automatic sprinkler system* shall be provided throughout buildings with a Group I *fire area*.

Exceptions:

1. An *automatic sprinkler system* installed in accordance with Section 903.3.1.2 shall be permitted in Group I-1, Condition 1 facilities.
2. In buildings where Group I-4 daycare is provided on levels other than the *level of exit discharge*, an *automatic sprinkler system* in accordance with Section 903.3.1.1 shall be installed on the entire floor where care is provided, all floors between the level of care and the *level of exit discharge*, and all floors below the *level of exit discharge* other than areas classified as an open parking garage.

903.2.7 Group M. An *automatic sprinkler system* shall be provided throughout buildings containing a Group M occupancy where one of the following conditions exists:

1. A Group M *fire area* exceeds 5,000 square feet.
2. A Group M *fire area* is located more than three stories above *grade plane*.
3. The combined area of all Group M *fire areas* on all floors, including any mezzanines, exceeds 24,000 square feet.
4. A Group M occupancy used for the display and sale of upholstered furniture or mattresses exceeds 5,000 square feet.

903.2.7.1 High-piled storage. An *automatic sprinkler system* shall be provided in accordance with the *International Fire Code* in all buildings of Group M where storage of merchandise is in high-piled or rack storage arrays.

903.2.8 Group R. An *automatic sprinkler system* installed in accordance with Section 903.3 shall be provided throughout all buildings with a Group R *fire area*.

903.2.8.1 Group R-3. An *automatic sprinkler system* installed in accordance with Section 903.3.1.3 shall be permitted in Group R-3 occupancies.

903.2.8.2 Group R-4, Condition 1. An *automatic sprinkler system* installed in accordance with Section 903.3.1.3 shall be permitted in Group R-4, Condition 1 occupancies.

903.2.8.3 Group R-4, Condition 2. An *automatic sprinkler system* installed in accordance with Section 903.3.1.2 shall be permitted in Group R-4, Condition 2 occupancies.

903.2.8.4 Care facilities. An *automatic sprinkler system* installed in accordance with Section 903.3.1.3 shall be permitted in care facilities with five or fewer individuals in a single-family dwelling.

903.2.9 Group S. An *automatic sprinkler system* shall be provided throughout all buildings containing a Group S occupancy where one of the following conditions exists:

1. A Group S *fire area* exceeds 5,000 square feet.
2. A Group S *fire area* is located more than three stories above *grade plane*.
3. The combined area of all Group S *fire areas* on all floors, including any mezzanines, exceeds 24,000 square feet.
4. A Group S *fire area* used for the storage of commercial motor vehicles where the *fire area* exceeds 5,000 square feet.
5. A Group S occupancy used for the storage of upholstered furniture or mattresses exceeds 2,500 square feet.

Exception: One story Group S buildings not greater than 12,000 square feet in area that are used for cold storage only and do not include any conditioned spaces. This exception does not include buildings or occupancies set forth in sections 903.2.9.1 through 902.10.1.

903.2.9.1 Repair garages. An *automatic sprinkler system* shall be provided throughout all buildings used as repair garages in accordance with Section 406, as shown:

1. Buildings having two or more *stories above grade plane*, including basements, with a *fire area* containing a repair garage exceeding 5,000 square feet.
2. Buildings not more than one *story above grade plane*, with a *fire area* containing a repair garage exceeding 5,000 square feet.
3. Buildings with repair garages servicing vehicles parked in basements.
4. A Group S *fire area* used for the repair of commercial motor vehicles where the *fire area* exceeds 5,000 square feet.

903.2.9.2 Bulk storage of tires. Buildings and structures where the area for the storage of tires exceeds 20,000 cubic feet (566 m<sup>3</sup>) shall be equipped throughout with an *automatic sprinkler system* in accordance with Section 903.3.1.1.

903.2.10 Group S-2 enclosed parking garages. An *automatic sprinkler system* shall be provided throughout buildings classified as enclosed parking garages in accordance with Section 406.6 where either of the following conditions exist:

1. Where the *fire area* of the enclosed parking garage exceeds 5,000 square feet (1115 m<sup>2</sup>).
2. Where the enclosed parking garage is located beneath other groups.

903.2.10.1 Commercial parking garages. An *automatic sprinkler system* shall be provided throughout buildings used for storage of commercial motor vehicles where the *fire area* exceeds 5,000 square feet.

903.2.10.2 Group U An *automatic sprinkler system* shall be provided throughout buildings containing

Group U occupancies where the group U fire area exceeds 5,000 square feet.

903.2.11 Specific building areas and hazards. In all occupancies, an *automatic sprinkler system* shall be installed for building design or hazards in the locations set forth in Sections 903.2.11.1 through 903.2.11.6.

Page 223      Section 903.1.3.4      Add a subsection to read;

“903.3.1.4 Emergency power supply. Every automatic fire suppression system that requires or is equipped with an electric fire pump shall have an emergency generator to provide power in the case of primary power loss.

Exception: Upon submittal of documentation from the Fire Chief having jurisdiction of the area, stating that he has reviewed all pertinent information concerning the interruption of the power supply of the area and is accepting the utility provider as a reliable power supply for the fire pump.

Page 264 Section 1008.2 Re-write the section to read:

Illumination required. The means of egress serving a room or space, as well as all toilet rooms shall be illuminated at all times that the room or space is occupied.

Page 265      Section 1009

Delete the entire section and insert a new section to read:

#### Section 1009 Accessible Means of Egress

1009.1 Accessible Means of Egress Required. Accessible means of egress shall comply with the State of Illinois Accessibility Standards

Page 271      Section 1010.1.5      Add new subsection to read:

“1010.1.5.1 Grade Exit Discharge Doors: Where required to swing in the direction of egress travel, all required grade exit doors shall be provided with a hard-surfaced area underneath the door swing.

1010.1.5.2 Stoop surface: The exterior surface shall have a slip resistant surface that has a slope not greater than 1:50 in any direction.

1010.1.5.3 Support: Sufficient wing walls and/or foundation wall is required under all stoops. Wing walls shall have a minimum of one (1) number 4 reinforcing bar located not more than six (6) inches beneath the top edge of concrete and extending downward into the foundation wall not less than two (2) feet.

1010.1.5.4 Stoop extension: The outer perimeter of the stoop shall not project out beyond the wing wall and/or foundation wall more than twelve (12) inches in any direction.”

Page 305 Chapter 11 Delete the entire Chapter and insert a new section to read:

Chapter 11  
Accessibility

1101.1 Applicability. The provisions of the State of Illinois Accessibility Code shall control the design and construction of facilities for accessibility to physically disabled persons.

Page 374 Section 1608.1 Rewrite the section to read:

“In no case shall the ground snow load be less than 30 pounds per square foot, but the design roof loads shall not be less than that determined by section 1607.

Page 441 Section 1808.7.4 Change this section to read:

Foundation elevation. On graded sites, the top of any exterior foundation shall extend a minimum of 6 inches above the finished grade adjacent to the building.

Page 443 Section 1809.5

Delete from Item #1 the words “below the frost line of the locality” and insert the words “a minimum of forty-two (42) inches measured from adjacent finished grade level.”

Page 558 Section 3103.1

Add the following exception: Exception: In the event of a natural disaster, public emergency, pandemic or other similar event, the Planning, Building & Development Department Director, in consultation with the Building Official, is authorized to allow temporary tents or other approved temporary structures to be erected for periods exceeding 180 days without being required to comply with the *International Building Code*. Failure to maintain the structure in compliance with all requirements of this section could result in revocation of this approval.

Page 587 Chapter 29 Delete the entire chapter and replace with:

Section 2901  
General

2901.1 Scope: The provisions of the current adoption of the State of Illinois Plumbing Code shall govern the design, Construction, erection and installation of plumbing components, appliances, equipment and systems used in buildings and structures covered by this code.

Section 3114

Electric Vehicle Charging Facilities

3114.1 Electric vehicle parking. Where parking is provided, new construction shall provide EVSE-installed spaces and facilitate future installation and use of EVSE through the provision of EV-Ready Spaces and EV-Capable Spaces provided in compliance with Sections 3114.1.1 through 3114.1.3, Where more than one parking facility is provided on a site, EVSE-installed, EV-Ready Spaces and EV-Capable Spaces shall be calculated separately for each parking facility.

3114.1.1 New commercial and multifamily buildings. EVSE-installed spaces, EV-Ready Spaces and EV Capable Spaces shall be provided in accordance with Table 3114.1 for Commercial buildings and Table 3114.2 for multifamily buildings. Where the calculation of percent served results in a fractional parking space, it shall be rounded up to the next whole number. The circuit shall have no other outlets. The service panel shall include an over-current protective device and provide sufficient capacity and space to accommodate the circuit and over-current protective device and the termination point shall be located in close proximity to the proposed location of the EV parking spaces.

**TABLE 3114.1  
EVSE-INSTALLED, EV-READY SPACE AND EV-CAPABLE SPACE REQUIREMENTS FOR NEW  
COMMERCIAL BUILDINGS**

<b>Total Number of Parking Spaces</b>	<b>Minimum number or % of EVSE Installed Spaces<sup>a</sup></b>	<b>Minimum number or % of EV-Ready Spaces<sup>b</sup></b>	<b>Minimum Percentage of EV Capable Spaces</b>
<u>1 - 10</u>	Minimum one dual port EV charging station	2 Spaces	
<u>11 - 15</u>	Minimum one dual port EV charging station	2 Spaces	
<u>16 - 19</u>	Minimum one dual port EV charging station	2 Spaces	
<u>21 - 25</u>	Minimum one dual port EV charging station	2 Spaces	
<u>26+</u>	2 % of total parking spaces or a minimum of one dual port EV charging station.	5% of total parking spaces or a minimum of 2 spaces	10% of total parking spaces

(a). Where EVSE-Installed Spaces installed exceed the required values in Table 3114.1 the additional spaces shall be deducted from the EV-Ready Spaces requirement.

(b). Where EV-Ready Spaces installed exceed the required values in Table 3114.1 the additional spaces shall be deducted from the EV-Capable Spaces requirement.

**TABLE 3114.2  
EVSE-INSTALLED, EV-READY SPACE AND EV-CAPABLE SPACE REQUIREMENTS FOR NEW MULTI-FAMILY BUILDINGS**

<b>Total Number of Parking Spaces</b>	<b>Minimum number or % of EVSE Installed Spaces<sup>a</sup></b>	<b>Minimum number or % of EV-Ready Spaces<sup>b</sup></b>	<b>Minimum Percentage of EV Capable Spaces</b>
<u>1 - 10</u>	Minimum one single port EV charging station	2 Spaces	
<u>11 - 15</u>	Minimum one single port EV charging station	2 Spaces	
<u>16 - 19</u>	Minimum one dual port EV charging station	2 Spaces	
<u>21 - 25</u>	Minimum one dual port EV charging station	2 Spaces	
<u>26+</u>	2 % of total parking spaces or a minimum of one dual port EV charging station.	5% of total parking spaces or a minimum of 2 spaces	10% of total parking spaces

(a). Where EVSE-Installed Spaces installed exceed the required values in Table 3114.2 the additional spaces shall be deducted from the EV-Ready Spaces requirement.

(b). Where EV-Ready Spaces installed exceed the required values in Table 3114.2 the additional spaces shall be deducted from the EV-Capable Spaces requirement.

**3114.1.2 IDENTIFICATION.** Construction documents shall indicate the raceway termination point and proposed location of future EV spaces and EVSEs. Construction documents shall also provide information on amperage of future EVSE, raceway methods, wiring schematics and electrical load calculations to verify that the electrical panel service capacity and electrical system, including any on-site distribution transformers, comply with the requirements of this code. Vehicle spaces equipped with EVSE shall be identified by signage. A permanent and visible “EV-Capable” or “EV-Ready” label shall be posted in a conspicuous place at the service panel to identify each panel space reserved to support EV-Capable or EV-Ready Spaces, respectively and at the termination point of the raceway or circuit termination point

**3114.1.3 Accessibility.** Electric vehicle charging stations shall be installed in accordance with Section 228 of the Illinois Accessibility Code.

## 150.17 2018 INTERNATIONAL RESIDENTIAL CODE AMENDMENTS

### (A) General Amendments

(1) ICC Electrical Code.

Any and all references to the ICC Electrical Code are hereby deleted and replaced with NFPA 70, National Electrical Code 2017.

(2) ICC International Energy Conservation Code.

In addition to the requirements of Chapter 11 all work that requires a building permit must also comply with the State of Illinois Energy Conservation Code.

(3) ICC International Plumbing Code.

Any and all references to the ICC International Plumbing Code are hereby deleted and replaced with the State of Illinois Plumbing Code, current edition.

(4) ICC International Property Maintenance Code.

Any and all references to the ICC International Property Maintenance Code are hereby deleted and replaced with the "Lake County Nuisance Ordinance".

(5) ICC International Private Sewage Disposal Code.

Any and all references to the ICC International Private Sewage Disposal Code are hereby deleted and replaced with the "Lake County Board of Health Ordinance Article V".

### (B) Specific Amendments

Page 1 Section R101.1

Insert the words "Lake County Planning, Building & Development" to replace "[NAME OF JURISDICTION]".

Page 1 Section 101.2 Scope Re-write the section to read as follows:

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 *townhouses* consisting of not more than two dwelling units that are not more than three stories above *grade plane* in height with a separate means of egress, and their *accessory structures* not more than three stories above *grade plane* in height.

Page 2 Section R103

Delete the title "DEPARTMENT OF BUILDING SAFETY" and insert the words "LAKE COUNTY PLANNING, BUILDING & DEVELOPMENT DEPARTMENT"

Page 2 Section R103.1

Delete the words "DEPARTMENT OF BUILDING SAFETY" and insert the words "LAKE COUNTY PLANNING, BUILDING & DEVELOPMENT DEPARTMENT".

Page 3 Section R105.2

Amend item 1, delete with no substitution Items 2, 3, and 10. Add # 11 to read as follows:

11. Structures determined by the Building Official to be eligible for the Registration Program.

- Item #1 ~~"One—story detached accessory structures used as tool and Storage sheds,~~ Playhouses and similar structures, provided the floor area does not exceed 120 square feet"
- Item #2 "Fences not over 7 feet high."
- Item #3 "Retaining walls that are not over 4 feet in height measured from the bottom of the footing to the top of the wall, unless supporting a surcharge."
- Item #10 "Decks not exceeding 200 square feet in area, that are not more than 16 inches above grade at any point, are not attached to a dwelling, are not part of a pool barrier, and do not serve the exit door required by section R311.4."

Page 5 section R105.5 Delete the entire section and insert the following new section:

R105.5 Permit time limits. All permits shall become void if;

1. A substantial start of construction is not made within six months from the date of issuance.
2. Substantial work is not performed during any six-month period.
3. Permits for one or two-family dwellings and additions and/or alterations that exceed 400 square feet in area are not completed and a Certificate of Occupancy is not issued within two years from the date of issuance.
4. Permits for additions and/or alterations 400 square feet or less in area are not completed and a Certificate of Occupancy is not issued within one year from the date of issuance.
5. Permits for accessory buildings greater than 400 square feet in area are not completed and a certificate of occupancy is not issued within one year from the date of issuance.
6. Permits for above ground or in ground swimming pools are not completed and a certificate of occupancy is not issued within a six-month period from the date of issuance.
7. Permits for demolition are not completed within ninety days after the date of issuance.



8. Permits for fences, re-siding, re-roofing, decks, electrical up grade, sheds, detached garages, screen porches and any minor alteration to an existing building that does not exceed 400 square feet are not completed and if applicable, a certificate of occupancy is not issued within six months from the date of issuance.

The building official is authorized, but not obligated, to grant, in writing, one or more extensions of time, for periods not more than 180 days each. The extension shall be requested in writing and justifiable cause demonstrated.

Page 5 Section 105.7 Placement of Permit

Delete all text and replace with:

“The building permit card shall be kept on the site of the work in an accessible location and protected from adverse weather until the completion of the project.”

Page 6 Section 106.1.4 Information for Construction in Flood Hazard Areas

Delete all text and replace with “Refer to Sections 151.145 through 151.154 of the Lake County Code of Ordinances.”

Page 6 Section 106.1.1

Re-write the section to read as follows:

107.2.1 Information on construction documents.

*Construction documents* shall be dimensioned and drawn on suitable material. Minimum scale shall be 1/8 inch per foot. Maximum scale shall be ½ inch per foot. Electronic media documents are permitted to be submitted where *approved by the building official*. Construction documents shall be of sufficient clarity to indicate the location, nature and extent of the work proposed and show in detail that it will conform to the provisions of this code and relevant laws, ordinances, rules and regulations, as determined by the *building official*.

Exception: Sections or sketches may be drawn to a larger scale for clarity.

Page 7 Section R109.1.1

*Change the title of this section from Foundation Inspection to Footing Inspection and change all references to foundation inspection to footing inspection.*

Page 8 Section R110.3

Delete items 7 through 9

Page 9 Section R112 Board of Appeals Delete all text and replace with:

R112.1 Application for Appeal: Any person shall have the right to appeal a decision of the Building Official to the Zoning Board of Appeals. An application for appeal shall be based

on a claim that the true intent of this code or the rules legally adopted thereunder have been incorrectly interpreted, the provisions of this code do not fully apply, or an equivalent form of construction is to be used.

R112.2 Disqualification of Member: A member shall not hear an appeal in which that member has any personal, professional or financial interest.

R112.3 Compensation of Members: Compensation of members shall be determined by law.

R112.4 Notice of Meeting: Any appeal must be filed with the Zoning Board of Appeals within 30 days after the date of the Building Official's decision thereon.

R112.5 Open Hearing: All hearings before the Board of Appeals shall be open to the public. The appellant, the appellant's representative, the Building Official and any person whose interests are affected shall be given an opportunity to be heard.

R112.5.1 Procedure: The Zoning Board of Appeals shall adopt and make available to the public through the Secretary, procedures under which a hearing will be conducted. The procedures shall not require compliance with strict rules of evidence but shall mandate that only relevant information be received.

R112.6 Administration: The Building Official shall take immediate action in accordance with the decision of the Zoning Board of Appeals."

Page 9      Section R114

Add the following section:

114.1.1 Enforcement. The county may enforce violations of this code in accordance with the Lake County Administrative Adjudication Ordinance (§§ 94.50 through 94.66 of the Lake County Code of Ordinances) or as spelled out in section 114.2.

Page 16:    Section R202 Definitions:

Add the following definitions:

Electric Vehicle. An automotive-type vehicle for on-road use primarily powered by an electric motor that draws current from an onboard battery charged through a building electrical service, electric vehicle supply equipment (EVSE), or another source of electric current.

EV-Capable Space. A dedicated parking space with electrical panel capacity and space for a branch circuit dedicated to the EV parking space that is not less than 40 ampere and 208/240-volt and equipped with raceways, both underground and surface mounted, to enable the future installation of electric vehicle supply equipment. For two adjacent EV-Capable spaces, a single dedicated branch circuit is permitted.

Electric Vehicle Supply Equipment (EVSE). The apparatus installed specifically for the purpose of transferring energy between the premises wiring and the Electric Vehicle.

**Page 32 Table R301.2(1)**

Complete this table as follows:

Ground Snow Load	Wind Design		Seismic Design Category	Subject To Damage From			Winter Design Temp
	Speed (mph)	Topographical Effect		Weathering	Frost Line Depth	Termite	
30	115	No	A	Severe	42"	Moderate to Heavy	2

Ice Barrier Underlayment Required	Flood Hazards	Air Freezing Index	Mean Annual Temp
Yes	See Article 8 of the Lake County Unified Development Ordinance	2000	50°F

R302.5.1 Opening protection. Openings from a private garage directly into a room used for sleeping purposes shall not be permitted. Other openings between the garage and residence shall be equipped with 60-minute fire-rated doors, equipped with a self-closing or automatic-closing device.

Exception: In dwellings protected by a residential automatic fire suppression system, openings from a private garage directly into a room used for sleeping purposes shall not be permitted. Other openings between the garage and residence shall be equipped with solid wood doors not less than 1-3/8 inches (35 mm) in thickness, solid or honeycomb core steel doors not less than 1-3/8 inches (35 mm thick, or 20-minute fire-rated doors, equipped with a self-closing or automatic-closing device.

All references to 1/2 inch gypsum board should be changed to 5/8-inch Type X gypsum board. Delete the last line in the table.

Add the following Exception:

Exception: One and two family dwellings that are protected by an automatic residential fire sprinkler system shall be allowed to substitute 1/2 inch gypsum board in place of 5/8 inch Type X gypsum board.

Minimum height. Habitable space, hallways, bathrooms, toilet rooms, laundry rooms and portions of basements containing these spaces shall have a ceiling height of not less than 7'6".

3. Ceilings in finished basements can have a minimum height less than 7'6" provided that no permanently installed fixtures or finished ceiling will extend below 7 feet.

R311.2 Egress door. Not less than two egress doors shall be provided for each dwelling unit. The required egress door shall be side-hinged and shall provide a clear width of not less than 36 inches (813 mm) where measured between the face of the door and the stop, with the door open 90 degrees (1.57 rad). The clear height of the door opening shall be not less than 78 inches (1981 mm) in height measured from the top of the threshold to the bottom of the stop. Other doors shall not be required to comply with these minimum dimensions. Egress doors shall be readily openable from inside the dwelling without the use of a key or special knowledge or effort.

Exception 1: For dwellings provided with a residential automatic fire suppression system only one egress door will be required.

Exception 2: A sliding door can serve as a secondary means of egress.

Page 81 Section R322 "Flood Resistant Construction"

Delete this section and replace with the following sentence:

Refer to sections 151.145 through 151.154 of the Lake County Code of Ordinances

Pages 92,93 & 94 Tables R403.1(1), R403.1(2) and R403.1(3) Delete the current tables and insert the following table:

Table R403.1 minimum width of concrete,  
precast or masonry footings (inches)

Number of stories and type of construction	Thickness of footing (inches)	Projection on each side of foundation wall (inches)
<b>One story (without basement)</b>		
Frame	8	4
Masonry veneer on frame	8	4
Masonry	8	4
<b>One story (with basement)</b>		
Frame	8	4
Masonry veneer on frame	8	4
Masonry	8	4
<b>Over one story (with or without a basement)</b>		
Frame	8	4
Masonry veneer on frame	8	4
Masonry	12	6

EXCEPTION: At the discretion of the Building Official, Tables R403.1(1), R403.1(2) and R403.1(3) can be used if a soil report and foundation design, both of which are prepared by a design professional registered in the State of Illinois are submitted as an alternate to the above table.

Page 99 Section R403.1.4.1 Change exception 1 to read as follows:

1. Protection of free-standing accessory structures with an area of 1000 square feet or less, of light-frame construction and with an eave height of 10 feet or less shall not be required.

Page 130 Section R405.1 Rewrite this section as follows and delete the exception:

Concrete or masonry foundations. Drains shall be provided around all concrete or masonry foundations that retain earth and enclose crawl spaces, habitable or usable spaces located below grade. The foundation drain shall consist of drainage tiles or perforated pipe placed on a minimum of 2 inches of washed gravel or crushed rock with a minimum aggregate size of one-half inch in diameter and covered with not less than 12 inches of the same material. Foundation drains must be covered with a filter membrane with a minimum width of 18 inches. Foundation drains must connect to a sump pit located inside the basement or crawl space of the dwelling. The drains must discharge by gravity or mechanical means into an approved drainage system. Foundation drains that do not discharge into an approved storm sewer or drainage swale must terminate a minimum of 20 feet from all property lines.

Page 133 Section R408.6 Rewrite this section as follows:

Finished grade. The finished grade of under floor surfaces must be located a minimum of 24 inches and a maximum of 48 inches below the bottom of the floor framing.

Page 134 Section R408.7 Delete this section with no substitution

Page 177 Section R602.3.2 Delete the exception.

Page 432 Section R903

Add the following section: R903.5 Gutters and downspouts

When a dwelling is provided with a basement or has habitable rooms below grade, gutters and downspouts shall be installed, unless omission is specifically permitted by the Building Official. All exterior doors, not protected with gutters, shall be protected from roof runoff by a continuous gutter and downspouts or an approved type diverter.

Page 459: Section R1101.5 Information on construction documents:

Add the following item: 9. Electric Vehicle charging details and locations.

Page 479: Add the following section:

Section 1101.15 Electric Vehicle Charging. Where parking is provided, new construction shall provide electric vehicle spaces in compliance with Sections N1101.15.1 through N1101.15.2

N1101.15.1 New single family and two-family dwelling units. Single family and two-family dwelling units shall provide not less than one EV-Capable space per dwelling unit.

N1105.15.2 Identification. Construction documents shall indicate the raceway termination point and proposed location of future EV spaces and EVSE. Construction documents shall also provide information on amperage of future EVSE, raceway methods, wiring schematics and electrical load calculations to verify that the electrical panel service capacity and electrical system, including any on site distribution transformers, meet the requirements of this code. A permanent and visible "EV Capable" or "EV Ready" label shall be posted in a conspicuous place at the service panel to identify each panel space reserved to support EV Capable or EV Ready spaces, respectively and at the termination point of each raceway or circuit termination point.

## **150.18 2018 ICC INTERNATIONAL MECHANICAL CODE AMENDMENTS.**

### (A) General Amendments

#### (1) ICC Electrical Code.

Any and all references to the ICC Electrical Code are hereby deleted and replaced with NFPA 70 National Electrical Code 2017.

#### (2) ICC International Existing Building Code.

Any and all references to the ICC International Existing Building Code are hereby deleted with no substitution.

#### (3) ICC International Energy Conservation Code.

Any and all references to the ICC International Energy Conservation Code are hereby deleted and replaced with the State of Illinois Energy Conservation Code.

#### (4) ICC International Plumbing Code.

Any and all references to the ICC International Plumbing Code are hereby deleted and replaced with the State of Illinois Plumbing Code, current edition.

#### (6) Code Official.

Any and all references to the Code Official are hereby deleted and replaced with "Building Official".

### (B) Specific Amendments

#### Page 1 Section 101.1

Insert the words "Lake County Planning, Building & Development" to replace "[NAME OF JURISDICTION]".

#### Page 5 Section 106.5.2 Fee schedule

Delete the words "as indicated in the following schedule." and "[JURISDICTION TO INSERT APPROPRIATE SCHEDULE]". Insert the words "the effective fee schedule as adopted by Lake County".

#### Page 6 Section 108.1: Add the following section:

108.1.1 Enforcement. The county may enforce violations of this code in accordance with the Lake County Administrative Adjudication Ordinance, (Sections 94.50 through 94.66 of the Lake County Code of Ordinances) or in accordance with sections 108.2 through 108.7.3 of this code

108.4 Violation penalties. Persons who shall violate a provision of this code or shall fail to comply with any of the requirements thereof or who shall erect, install, alter or repair mechanical work in violation of the *approved construction documents* or directive of the code official, or of a permit or certificate issued under the provisions of this code, shall be guilty of a petty offense punishable by a fine of not more than 500.00 dollars. Each week that a violation continues after due notice has been served shall be deemed a separate offense.

Page 7 Section 108:

Section 108.5 Re-write the section as follows:

108.5 Stop work orders. Upon notice from the code official that mechanical work is being performed contrary to the provisions of this code or in a dangerous or unsafe manner, such work shall immediately cease. Such notice shall be in writing and shall be given to the owner of the property, or to the owner's authorized agent, or to the person doing the work. The notice shall state the conditions under which work is authorized to resume. Where an emergency exists, the code official shall not be required to give a written notice prior to stopping the work. Any person who shall continue any work on the system after having been served with a stop work order, except such work as that person is directed to perform to remove a violation or unsafe condition, shall be liable for a fine of not less than 100.00 dollars or more than 500.00 dollars.

Page 7 Section 109 MEANS OF APPEAL Delete the entire section and replace with;

"109.1 Application for Appeal: Any person shall have the right to appeal a decision of the Building Official to the Zoning Board of Appeals. An application for appeal shall be based on a claim that the true intent of this code or the rules legally adopted thereunder have been incorrectly interpreted, the provisions of this code do not fully apply, or an equivalent form of construction is to be used.

109.2 Disqualification of Member: A member shall not hear an appeal in which that member has any personal, professional or financial interest.

109.3 Compensation of Members: Compensation of members shall be determined by law.

109.4 Notice of Meeting: Any appeal must be filed with the Zoning Board of Appeals within 30 days after the date of the Building Official's decision thereon.

109.5 Open Hearing: All hearings before the Board of Appeals shall be open to the public. The appellant, the appellant's representative, the Building Official and any person whose interests are affected shall be given an opportunity to be heard.

109.5.1 Procedure: The Zoning Board of Appeals shall adopt and make available to the public through the Secretary, procedures under which a hearing will be conducted. The procedures shall not require compliance with strict rules of evidence but shall mandate that only relevant information be received.

109.6 Administration: The Building Official shall take immediate action in accordance with the decision of the Zoning Board of Appeals."

Page 129 Appendix B, Recommended Permit Fee Schedule  
Delete with no substitution.



## **150.19 2018 ICC INTERNATIONAL FUEL GAS CODE AMENDMENTS.**

### **(A) General Amendments**

#### **(1) ICC Electrical Code.**

Any and all references to the ICC Electrical Code are hereby deleted and replaced with NFPA 70 National Electrical Code 2017.

#### **(2) ICC International Existing Building Code.**

Any and all references to the ICC International Existing Building Code are hereby deleted with no substitution.

#### **(3) ICC International Energy Conservation Code.**

Any and all references to the ICC International Energy Conservation Code are hereby deleted and replaced with the State of Illinois Energy Conservation Code.

#### **(4) ICC International Plumbing Code.**

Any and all references to the ICC International Plumbing Code are hereby deleted and replaced with the State of Illinois Plumbing Code, current edition.

#### **(5) Code Official.**

Any and all references to the Code Official are hereby deleted and replaced with "Building Official".

### **(B) Specific Amendments**

#### **Page 1 Section 101.1**

Insert the words "Lake County Planning, Building and Development" to replace "[NAME OF JURISDICTION]".

#### **Page 5 Section 106.6.2 Fee schedule**

Delete the words "as indicated in the following schedule." and "[JURISDICTION TO INSERT APPROPRIATE SCHEDULE]". Insert the words "the effective fee schedule as adopted by Lake County".

#### **Page 7 Section 108.1 Add the following section:**

108.1.1 Enforcement. The county may enforce violations of this code in accordance with the Lake County Administrative Adjudication Ordinance (§§ 94.50 through 94.66 of the Lake County Code of Ordinances) or in accordance with sections 108.2 through 108.7.3 of this code.

Page 7 Section 108.4 Violation penalties rewrite the section as follows:

108.4 Violation penalties. Persons who shall violate a provision of this code or shall fail to comply with any of the requirements thereof or who shall erect, install, alter or repair mechanical work in violation of the *approved construction documents* or directive of the code official, or of a permit or certificate issued under the provisions of this code, shall be guilty of a petty offense punishable by a fine of not more than 500.00 dollars. Each week that a violation continues after due notice has been served shall be deemed a separate offense.

Page 7 Section 109 MEANS OF APPEAL Delete the entire section and replace with:

“109.1 Application for Appeal: Any person shall have the right to appeal a decision of the Building Official to the Zoning Board of Appeals. An application for appeal shall be based on a claim that the true intent of this code or the rules legally adopted thereunder have been incorrectly interpreted, the provisions of this code do not fully apply, or an equivalent form of construction is to be used.

109.2 Disqualification of Member: A member shall not hear an appeal in which that member has any personal, professional or financial interest.

109.3 Compensation of Members: Compensation of members shall be determined by law.

109.4 Notice of Meeting: Any appeal must be filed with the Zoning Board of Appeals within 30 days after the date of the Building Official’s decision thereon.

109.5 Open Hearing: All hearings before the Board of Appeals shall be open to the public. The appellant, the appellant’s representative, the Building Official and any person whose interests are affected shall be given an opportunity to be heard.

109.5.1 Procedure: The Zoning Board of Appeals shall adopt and make available to the public through the Secretary, procedures under which a hearing will be conducted. The procedures shall not require compliance with strict rules of evidence but shall mandate that only relevant information be received.

109.6 Administration: The Building Official shall take immediate action in accordance with the decision of the Zoning Board of Appeals.”

Page 97 Section 504.2.10 Re-write the section to read as follows:

504.2.10: Corrugated vent connectors are not permitted.

**150.20 2018 ICC INTERNATIONAL SWIMMING POOL AND SPA CODE AMENDMENTS.**

(A) General Amendments

(B) Any and all references in the ICC International Swimming Pool and Spa Code to the “Code Official” shall be changed to “Building Official”.

(C) ICC International Plumbing Code.

Any and all references to the ICC International Plumbing Code are hereby deleted and replaced with the State of Illinois Plumbing Code, current edition.

(D) Specific Amendments

Page 1 Section 101.1

Insert the words “Lake County Planning, Building & Development Department” to replace “[NAME OF JURISDICTION]”.

Page 2 Section 103.1

Delete the words “DEPARTMENT OF BUILDING SAFETY” and insert the words “Lake County Planning, Building & Development Department”.

Page 4 Section 105.5.3

Change the first sentence to read as follows: “Every permit issued shall become invalid unless the work authorized by such permit is commenced within 180 days after its issuance, or if the work authorized by such permit is suspended or abandoned for a period of 180 days after the time the work is commenced, or if the work authorized by such permit is not completed within one year of the date of permit issuance.

Page 4 Section 105.5.4

Delete the last sentence of this section with no substitution.

Page 4 Section 105.6.2 [JURISDICTION TO INSERT APPROPRIATE SCHEDULE]

Insert the following as needed: “Planning, Building and Development Department Land Development Fee Schedule”.

Page 4 Section 105.6.3

Delete the entire section and insert the following: “The Building Official shall authorize the refunding of fees in accordance with the current adoption of the Department Policy and Procedure Relating to Fee Refunds and Reductions”.

Page 6 Section 107.1 Add the following section: 107.1.1 Enforcement: The county may enforce violations of this code in accordance with the Lake County Administrative Adjudication Ordinance, (Sections 94.50 through 94.66 of the Lake County Code of Ordinances) or in accordance with sections 107.2 through 107.73 of this code.

Page 6 Section 107.4 Change this section to read as follows: Any person who shall violate any provision of this code or shall fail to comply with any of the requirements thereof or who shall erect, install, alter or repair an aquatic vessel in violation of the approved construction documents or directive of the Building Official, or of a permit or certificate issued under the provisions of this code, shall be subject to a fine of \$500 per offense. Each week shall constitute a separate offense.

Page 7 Section 108 Delete the entire section and replace with:

“108.1 Application for Appeal: Any person shall have the right to appeal a decision of the Building Official to the Zoning Board of Appeals. An application for appeal shall be based on a claim that the true intent of this code or the rules legally adopted thereunder have been incorrectly interpreted, the provisions of this code do not fully apply, or an equivalent form of construction is to be used.

108.2 Disqualification of Member: A member shall not hear an appeal in which that member has any personal, professional or financial interest.

108.3 Compensation of Members: Compensation of members shall be determined by law.

108.4 Notice of Meeting: Any appeal must be filed with the Zoning Board of Appeals within 30 days after the date of the Building Official’s decision thereon.

108.5 Open Hearing: All hearings before the Board of Appeals shall be open to the public. The appellant, the appellant’s representative, the Building Official and any person whose interests are affected shall be given an opportunity to be heard.

108.5.1 Procedure: The Zoning Board of Appeals shall adopt and make available to the public through the Secretary, procedures under which a hearing will be conducted. The procedures shall not require compliance with strict rules of evidence but shall mandate that only relevant information be received.

108.6 Administration: The Building Official shall take immediate action in accordance with the decision of the Zoning Board of Appeals.”

Page 13 Section 304

1) Change section 304.1 to read as follows:

*General. “Refer to Sections 151.145 through 151.154 of the Lake County Code of Ordinances.*

2) Delete sections 304.2 through 304.2.2

Page 15 Section 305.4 Change the first paragraph to read as follows: Where a wall of a dwelling or structure serves as part of the barrier, doors that provide direct access to the aquatic vessel through the wall shall be equipped with one or more of the following:

Page 15 Section 305.4.1 Change the section to read as follows:

Operable windows without screens installed and having a sill height of less than 48 inches (1219 mm) above the indoor finished floor and doors shall have an alarm that produces an audible warning when the window, door or their screens are opened. The alarm shall be *listed* and *labeled* as a water hazard entrance alarm in accordance with UL 2017. In dwellings or structures not required to be Accessible units, Type A units or Type B units, the operable parts of the alarm deactivation switches shall be located 54 inches (1372 mm) or more above the finished floor. In dwellings or structures required to be Accessible units, Type A units or Type B units, the operable parts of the alarm deactivation switches shall be located not greater than 54 inches (1372 mm) and not less than 48 inches (1219 mm) above the finished floor.

## 150.21 018 ICC INTERNATIONAL FIRE CODE AMENDMENTS.

### (A) General Amendments

- (1) Any and all references to the *fire code official* shall be changed to “Building Official”
- (2) Any and all references to the International Property Maintenance code shall be changed to “The Lake County Nuisance Ordinance”.

### (B) Specific Amendments

Page 1 Section 101.1 Title Insert “Lake County Planning, Building, & Development” in place of [Name of Jurisdiction]

Page 2 Section 103 Delete section 103 with no substitution.

Page 4 Section 105.1.2 Types of permits.

Delete #1 and change #2 to #1

Page 13 Section 109 Board of Appeals Delete the entire section and insert the following:

“108.1 Application for Appeal: Any person shall have the right to appeal a decision of the Building Official to the Zoning Board of Appeals. An application for appeal shall be based on a claim that the true intent of this code or the rules legally adopted thereunder have been incorrectly interpreted, the provisions of this code do not fully apply, or an equivalent form of construction is to be used.

108.2 Disqualification of Member: A member shall not hear an appeal in which that member has any personal, professional or financial interest.

108.3 Compensation of Members: Compensation of members shall be determined by law.

108.4 Notice of Meeting: Any appeal must be filed with the Zoning Board of Appeals within 30 days after the date of the Building Official’s decision thereon.

108.5 Open Hearing: All hearings before the Board of Appeals shall be open to the public. The appellant, the appellant’s representative, the Building Official and any person whose interests are affected shall be given an opportunity to be heard.

108.5.1 Procedure: The Zoning Board of Appeals shall adopt and make available to the public through the Secretary, procedures under which a hearing will be conducted. The procedures shall not require compliance with strict rules of evidence but shall mandate that only relevant information be received.

108.6 Administration: The Building Official shall take immediate action in accordance with the decision of the Zoning Board of Appeals.”

Page 13 Add the following section: 100.1.1 Enforcement:

The county may enforce violations of this code in accordance with the Lake County Administrative Adjudication Ordinance, (Sections 94.50 through 94.66 of the Lake County Code of Ordinances) or in accordance with sections 110.2 through 110.4 of this code.

Page 14 Section 110.4 Violation penalties rewrite the section as follows:

108.4 Violation penalties. Persons who shall violate a provision of this code or shall fail to comply with any of the requirements thereof or who shall erect, install, alter or repair mechanical work in violation of the *approved construction documents* or directive of the code official, or of a permit or certificate issued under the provisions of this code, shall be guilty of a petty offense punishable by a fine of not more than \$500.00 dollars. Each week that a violation continues after due notice has been served shall be deemed a separate offense.

Page 53 Section 307 Open Burning, Rewrite the section as follows:

OPEN BURNING, RECREATIONAL FIRES AND  
PORTABLE OUTDOOR FIREPLACES

307.1 General. A person shall not kindle or maintain or authorize to be kindled or maintained any *open burning* unless conducted and *approved* in accordance with Sections 307.1.1 through 307.5.

307.1.1 Open burning: Open burning shall only be conducted in accordance with Section 94.05 (I) of the Lake County Public Nuisance Ordinance.

307.2 Authorization. Where required by state or local law or regulations, *open burning* shall only be permitted with prior approval from the state or local air and water quality management authority, provided that all conditions specified in the authorization are followed.

307.3 Extinguishment authority. Where open burning creates or adds to a hazardous situation, or a required permit for open burning has not been obtained, the *fire code official* is authorized to order the extinguishment of the open burning operation.

307.4 Location. The location for *open burning* shall be not less than 50 feet (15 240 mm) from any structure, and provisions shall be made to prevent the fire from spreading to within 50 feet (15 240 mm) of any structure.

**Exceptions:**

1. Fires in *approved* containers that are not less than 15 feet (4572 mm) from a structure.
2. The minimum required distance from a structure shall be 25 feet (7620 mm) where the pile size is 3 feet (914 mm) or less in diameter and 2 feet (610 mm) or less in height.

307.4.1 Bonfires. A bonfire shall not be conducted within 50 feet (15 240 mm) of a structure or combustible material unless the fire is contained in a barbecue pit. Conditions that could cause a fire to spread within 50 feet (15 240 mm) of a structure shall be eliminated prior to ignition.

307.4.2 Recreational fires. *Recreational fires* shall not be conducted within 25 feet (7620 mm) of a structure or combustible material. Conditions that could cause a fire to spread within 25 feet (7620 mm) of a structure shall be eliminated prior to ignition.

307.4.3 Portable outdoor fireplaces. Portable outdoor fireplaces shall be used in accordance with the manufacturer's instructions and shall not be operated within 15 feet (3048 mm) of a structure or combustible material.

Exception: Portable outdoor fireplaces used at one and two-family *dwelling*s.

307.5 Attendance. *Open burning*, bonfires, *recreational fires* and use of portable outdoor fireplaces shall be constantly attended until the fire is extinguished. Not fewer than one

portable fire extinguisher complying with Section 906 with a minimum 4-A rating or other *approved* on-site fire-extinguishing equipment, such as dirt, sand, water barrel, garden hose or water truck, shall be available for immediate utilization



## **150.22 2017 NFPA 70 NATIONAL ELECTRICAL CODE AMENDMENTS.**

### (A) Specific Amendments

Page 70-32 (New Section) Add two new sections:

#### **90.10 MEANS OF APPEAL**

(a) Application for appeal: Any person shall have the right to appeal a decision of the Building Official to the Zoning Board of Appeals. An application for appeal shall be based on a claim that the true intent of this code or the rules legally adopted thereunder have been incorrectly interpreted, the provisions of this code do not fully apply, or an equivalent form of construction is to be used.

(b) Disqualification of member: A member shall not hear an appeal in which that member has any personal, professional or financial interest.

(c) Compensation of members: Compensation of members shall be determined by law.

(d) Notice of meeting: An appeal must be filed with the Zoning Board of Appeals within 30 days after the date of the Building Official's decision thereon.

(e) Open hearing: All hearings before the Board of Appeals shall be open to the public. The appellant, the appellant's representative, the Building Official and any person whose interest are affected shall be given an opportunity to be heard.

(f) 121.6.1 Procedure: The Zoning Board of Appeals shall adopt and make available to the public through the Secretary, procedures under which a hearing will be conducted. The procedures shall not require compliance with strict rules of evidence but shall mandate that only relevant information is received.

(g) Section 121.7 Administration: The Building Official shall take immediate action in accordance with the decision of the Zoning Board of Appeals."

#### **90.11 Enforcement**

The county may at their discretion, enforce violations of this code in accordance with the Lake County Administrative Adjudication Ordinance, (Sections 94.50 through 94.66 of the Lake County Code of Ordinances)

Page 70-59 Article 210.8 (A) Add the following:

Exception to (4): Receptacles supplying power to sump pumps, battery backup sump pumps and ejector pumps in the areas noted above must also be protected by an alarm that indicates a tripped condition of the GFCI protection device

Add the following sentence to the "Exception to (5)":

Receptacles supplying power to sump pumps, battery backup sump pumps and ejector pumps in the areas noted above must also be protected by an alarm that indicates a tripped condition of the GFCI protection device

Page 70-59 Section 210.8 (B) Add the following:

Exception to (10): Receptacles supplying power to sump pumps, battery backup sump pumps and ejector pumps in the areas noted above must also be protected by an alarm that indicates a tripped condition of the GFCI protection device

Page 70-60/61, Article 210.12 Arc-Fault Circuit-Interrupter Protection (AFCI)

Change the exception to read as follows:

Exception to 210-12(D) AFCI protection shall not be required where the extension of the existing conductors is not more than 1.8 m (6 ft.) and does not include any additional outlets or devices, and in circumstances where the Building Official deems that it is not practical to comply with this requirement due to existing conditions, the requirement can be waived, provided every effort is made to comply with the intent of the code.

Page 70-86 Article 230.28(A) Re-write the section to read as follows:

(A) Strength. Service masts used for the support of overhead service drop conductors need to meet current utility company requirements

Page 70-87, Article 230.43 Wiring Methods for 1,000 volts Nominal, or Less

Delete the section in its entirety. Rewrite to say, "unless special permission is granted by authority having jurisdiction, only the following wiring methods shall be used for service entrance conductors:"

- 1) Rigid metal conduit (RMC)
- 2) Intermediate metal conduit (IMC)
- 3) Electrical metallic tubing (EMT)

Page 70-137, Article 300.5(A) Minimum Cover Requirements.

Add a paragraph to the end of the section to read:

"Underground installation of electrical conductors cannot be located in the same trench with plumbing or gas service(s) unless the distance between all utility services located in the same trench is a minimum of twelve (12) inches measured in a horizontal dimension. Utility services located in separate trenches shall be located a minimum of twelve (12) inches apart horizontally."

Exception: Plumbing and electrical systems that are part of a swimming pool installation may be located in the same trench in circumstances where the Building Official determines that it is not practical to comply with the separation requirement.

Page 70-182, Article 320.12 Uses Not Permitted

Add a new number (6) to read:

(6) "In any occupancy other than one and two family dwellings.

Page 70-19, Article 334-10 Uses Permitted

Delete Items (2), (3), and (5) with no substitution.