

**AN ORDINANCE ADOPTING BUILDING AND FIRE SAFETY CODES WITH ADDITIONS, DELETIONS AND MODIFICATIONS AND REPEALING CERTAIN SECTIONS OF THE CODE OF ORDINANCES CITY OF URBANA, ILLINOIS**

WHEREAS, Sections 1-2-4 and 1-3-2 of the Illinois Municipal Code, and Section 1002 of Chapter 85, Illinois Revised Statutes, 1986, provides that where rules and regulations for the construction of buildings or any part thereof have been printed in book or pamphlet form, such rules and regulations or portions thereof may be adopted by reference; and

WHEREAS, three copies of the BOCA National Building Code - 1987 edition, BOCA National Mechanical Code - 1987 edition, BOCA National Existing Structures Code - 1987 edition, BOCA National Fire Prevention Code - 1987 edition, National Electrical Code - 1987 edition and BOCA National Plumbing Code - 1987 edition containing the rules and regulations hereafter adopted have been filed in the office of the City Clerk for use and examination by the public for at least thirty (30) days prior to their adoption as provided by said statutes; and

WHEREAS, the City of Urbana, Illinois, is a home rule unit under the provisions of the Illinois Constitution, 1970, and this Ordinance is to be regarded as an exercise in home rule powers of said city.

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF URBANA, ILLINOIS, as follows:

**Section 1: Repealer:** In Chapter 8 of the Urbana City Code, all of Article II entitled, "Fire Prevention Code" is hereby repealed; in Chapter 5 of the Urbana City Code, all of Articles I through and including Article X are hereby repealed. The repeal of such provision shall not abrogate or affect any act committed or done or any penalty or forfeiture incurred or any pending litigation or prosecution under such repealed provision.

**Section 2 Enactment:** The new articles and sections of Chapter 5 of the Urbana City Code hereby enacted in place of those repealed are as follows:

**ARTICLE I: GENERAL**

**Section 1:** (reserved)

**Section 2 Definitions:**

A. Wherever the words "municipality" or "city" are used in this Ordinance or in any adopted code, it shall be held to mean the City of Urbana, Illinois.

B. The intent of this Ordinance shall be that the requirements and applicability of the codes referenced in this Ordinance shall be based upon the use group classifications, definitions and construction types

as designated in those codes as modified by this ordinance. Classifications, definitions and occupancy types from other codes such as NFPA and/or the Zoning Ordinance shall not be used when determining requirements from the codes referenced by this Ordinance.

**Section 3 Other Referenced Codes and Ordinances:** Nothing in the adoption of the codes set forth above shall be construed to exempt any building or structure, or portion thereof, or occupancy or use thereof, from compliance with any and all other applicable codes and ordinances of the City of Urbana, Illinois. Wherever in the Building Code there is a conflict with the Zoning Ordinance of the City, the provisions of the Zoning Ordinance shall apply.

**Section 4 Contractor Bonds:** All contractors or other persons doing or proposing to do work requiring a permit from the City of Urbana, pursuant chapter 5 of this Code, except moving permits, shall, before such permit may be issued, submit to the Building Official a statement that such person undertakes to restore the city streets, all sidewalks and parkways to as good condition after the work is completed as the same were before such work was undertaken and further that the person to whom such permit is issued shall indemnify and save harmless the City of Urbana from all liability for damages to persons or property caused or asserted to have been caused on account of anything growing out of the doing of any work for which the permit was issued.

Additionally, all contractors or other persons doing or proposing to do work in the City of Urbana, which work may reasonably be expected to cause any physical disturbance of the public right-of-way including but not limited to any excavation, shall in addition to the permit required under Chapter 5 (if necessary) obtain a right-of-way permit from the City Engineer. Before the said right-of-way permit may be issued, the contractor or other person must post a bond as set forth under Section 20-71 of the Urbana Code of Ordinances.

Private Property Owner: However, any property owner who plans to do his/her own work on such owner's own property, or on city property adjacent to such owner's property, between his/her property and the paved portion of the street shall not be required to furnish such a bond. Any work on the public right-of-way will require approval and a permit from the City Engineer.

**Section 5 Additions, Modifications, Deletions and Substitutions:** Where the following words precede the sections and subsections of the Codes hereinafter adopted they shall have the meanings set forth below.

"ADD" means that such provision is thereby added to and made a part of the Code indicated as though fully set forth therein at the referenced section.

"DELETE" means that such provision deletes the referenced section from the code referenced.

"MODIFY" means that such provision amends the referenced section of the code referenced to read as provided and that such provision is

added to and made a part of such code as though fully set forth at the referenced section number.

"SUBSTITUTE" means that provision is substituted in place of the referenced section and is made a part of the code referenced. (See Article II Administrator of Community Development Services.)

## **ARTICLE II DIRECTOR OF COMMUNITY AND ECONOMIC DEVELOPMENT SERVICES**

**Section 1 Office created:** There is hereby created the office of Director of Community and Economic Development Services, who may also in this Code be referred to as the Building Official.

**Section 2 Appointment:** The Director of Community and Economic Development shall be appointed by the mayor with the advice and consent of the city council.

**Section 3 Duties:** The duties of the Director of Community and Economic Development shall be as follows:

A. The Director of Community and Economic Development shall be the Building Official of the city and shall issue all building permits and carry on all duties of the Building Official as such term is used elsewhere in city ordinances.

B. The Director of Community and Economic Development shall perform other such duties as prescribed by the Mayor or council from time to time.

## **ARTICLE III BUILDING CODE**

**Section 1 Adoption of the 1987 BOCA National Building Code, 10th edition:** The 1987, 10th edition BOCA National Building Code as promulgated and published by Building Officials and Code Administrators International, Inc., is hereby adopted as the Building Code of the City of Urbana, Illinois; for the control of buildings and structures as herein provided; and each and all of the regulations, provisions, penalties, conditions and terms of the said BOCA National Building Code are hereby referred to, adopted and made a part hereof as if fully set out in this ordinance, with the additions, insertions, deletions and changes prescribed in Section III below.

**Section 2 Effect of State Law:** The adoption of the 1987 BOCA National Building Code herein pursuant to home rule powers is not intended to negate any state statute on the same subject except insofar as the article imposes a more stringent requirement or standard than does the state statute. Where differences occur between common provisions of this Code and any other code or standard referenced by this Code, the provisions which afford the greatest degree of life safety shall apply as determined by the Building Official.

**Section 3 Additions, Amendments, Modifications, Deletions and Substitutions:** The following sections and subsections of the 1987, 10th edition, BOCA National Building Code are amended or changed as defined hereinafter:

Section 100.1 entitled, "Title," is amended to read as follows:

**Section 100.1 Title:** These regulations shall be known as the Building Code of the City of Urbana, Illinois hereinafter referred to as "this Code".

Section 103.4 entitled, "Rehabilitation," is deleted.

Section 105.4 entitled, "Permits for Demolition," is added and reads as follows:

**Section 105.4 Permits for Demolition:** No building or structure shall be demolished or removed without obtaining a demolition permit. Applications for demolition permits shall be in a form approved by the Building Official and shall include the estimated time necessary to complete the demolition. The estimated time necessary to complete the demolition may be set by the building official in emergency situations as prescribed in Sections 120 and 121 of this Code. The estimated time for completion shall not exceed 90 days from date of application. Failure to complete the work within 90 days may be deemed a violation of the Building Code and may be subject to the penalties therein. Extensions of the time period, by an additional thirty (30) days may be granted for cause by the Building Official upon a request for such in writing from the permit holder. Fees shall be paid as prescribed in Section 114.0. The Building Official may waive the permit requirements for demolition of accessory structures where no foundation exists to be removed and no grading is required.

Section 105.5 entitled, "Contractors Bond," is added and reads as follows:

**Section 105.5 Contractors Bond:** All contractors or other persons proposing to do work requiring a demolition permit from the City of Urbana shall be subject to the requirements of Article I, Section 4.

Contractors posting surety bonds on city contracts shall not be required to post any additional contractor bond, provided that such bond provides comparable coverage for the work undertaken.

Section 105.6 entitled, "General Requirements for Demolition," is added and reads as follows:

**Section 105.6 General Requirements for Demolition:** All demolition work shall be carried out in accordance with the requirements of Article 30 of this Code and in accordance with the following specifications:

A. All noncommon foundation walls and other below grade structures shall be completely demolished and removed. All materials shall be removed from basement or cellar activities and concrete floors shall be broken up and removed. All putrescible materials shall be removed.

B. Backfilling: Masonry rubble not exceeding twelve (12) inches in the greater dimension may be used as backfill, however, such masonry rubble may not exceed 35% of the total backfill material. No other demolition materials, no wood, frozen materials, or putrescibles may be used for backfill.

C. Finish grading: After backing the contractor shall finish grade the site. Finish grading shall be mounded approximately twelve (12) inches above existing grade in the center of the excavation unless the excavation abuts an existing building. Finish grading shall be designed to prevent the ponding of water.

D. Dust Control: During demolition work the contractor shall take reasonable steps to eliminate dust. Any water spraying, etc. shall be at the contractor's expense.

Section 105.7 entitled, "Abandoned Driveways," is added and reads as follows:

**Section 105.7 Abandoned Driveways:** All abandoned drive accesses and curb cuts to the property must be removed and/or effectively closed to prevent illegal parking on the city right-of-way and/or the vacant lot. A right-of-way permit is required for work in the right-of-way. All abandoned drive accesses to the property must be removed and/or effectively closed to prevent illegal parking on City right-of-way and/or the vacant lot.

Case #1: Abandoned drives from streets with curb and gutters; drive must be removed and curb and gutter installed.

Case #2: Abandoned drives from street without curb and gutters; drive must be removed; appropriate barrier installed and grass re-established in the former drive access area.

Section 105.8 entitled, "Utilities," is added and reads as follows:

**Section 105.8 Utilities:** Prior to the demolition of any structure, arrangements shall be made for the disconnection and/or retirement of all utilities. All sanitary and storm sewers shall be disconnected and plugged in accordance with the standards as determined by the Plumbing Official and the Urbana Engineering Department.

Section 106.1.1 entitled, "Permits," is added and reads as follows:

**Section 106.1.1 Permits:** No work shall be performed without first obtaining the necessary permits including building, demolition, moving, plumbing, electrical, H.V.A.C., and right-of-way permits.

Section 106.2 entitled, "Moving Permits," is added and reads as follows:

**Section 106.2 Moving Permits:** No building or accessory structure shall be moved through or over any street in the city, or from one lot to any other lot in the city without first obtaining a moving permit. The Director of Public Works may waive the moving permit and fee requirements for the moving of small accessory structures which will not interfere with traffic and which will not otherwise affect public property.

Section 106.3 entitled, "Demolition Permit and Building Permit Required," is added and reads as follows:

**Section 106.3 Demolition Permit and Building Permit Required:** No moving permit shall be issued until such time as a demolition permit has been issued, per the requirements of Section 105.0 of this Code, for buildings to be moved from a location within the jurisdiction of the City of Urbana and no moving permit shall be issued until such time as a building permit has been issued, per the requirements of this Code for a building to be relocated onto a site located within the jurisdiction of the City of Urbana.

Section 106.4 entitled, "Applications for Moving Permit," is added and reads as follows:

**Section 106.4 Applications for Moving Permit:** Application for a moving permit shall be made as follows:

A. Application shall be made to the Building Official for buildings or structures to be moved from one property to another without crossing any street, alley or public right-of-way. The moving permit may be issued as a part of the building permit for the project. The Building Official may issue a permit based upon the completed application and his determination that the proposed timing and duration of the move shall not unduly interfere with public safety and convenience. The application for the moving permit shall be made in conjunction with the application for the building permit and shall include the following:

1. An estimate of the number of days which will be required for the move. Such estimated shall not exceed the time reasonably necessary to move said building.

2. Written permission from the property owners of any property to be crossed which are not owned by the applicant.

3. A statement from the Building Official indicating that the building or structure has been inspected and is capable of complying with Urbana Existing Structures Codes.

4. A copy of an application for a demolition permit.

5. The permit fees as required in Section 114.0

B. Applications shall be made to the Director of Public Works for any building or structure to be moved on or across any street, alley or public right-of-way. The Director of Public Works may issue a permit based upon the application and his determination that the proposed timing, duration and route of the building move shall not unduly interfere with the public safety and convenience, and will not unreasonably expose public or private property to damage from the building movement activity. Such application shall be made on a form approved by the Director of Public Works and shall include:

1. A detailed description of the proposed work, including dimensions of the building and the street widths including bridge and tunnel dimensions.

2. The number of days during which the building shall occupy any portion of the street, sidewalk, park, or other public place.

3. An estimate of the weight of the building.

4. A statement from public utilities that arrangements have been made for the temporary relocation and/or repair of such utility where interference is necessary for relocation of the building.

5. Every person applying for a permit under this division shall submit with the application a bond with at least two (2) sureties thereon to be approved by the City Attorney, conditioned upon the compliance by the applicant with all the provisions of this division, including the payment for repair of all damages to public property or public improvements which damages may arise out of the moving of such building and conditioned upon the person applying for a permit removing any debris which falls on the public right-of-way as a result of the structure being moved.

6. A copy of the demolition permit and/or the building permit as required in Section 106.3.

7. A copy of any permit required for moving a building or structure on or across a State of Illinois right-of-way.

8. A statement from the Building Official indicating that the building or structure has been inspected and is capable of complying with Urbana codes.

9. The required moving permit fees as prescribed in Chapter 14 (licenses and permits) in the Urbana Code of Ordinances.

10. An inventory of route conflicts with trees and municipal facilities by street address.

11. When the route crosses a bridge or tunnel, a registered structural Engineer must provide a structural analysis of these structures at the applicant's expense.

12. The applicant may be required to enlist the services of a professional tree trimmer that is approved by the City of Urbana.

13. The applicant for moving permit shall provide a list of the last known tax payers of record as reflected in the Champaign county records of all property adjacent to or within 250 feet in each direction of the property to which the structure or building is to be relocated. The measurement of all public roads streets, alleys and other public right-of-ways shall be excluded in determining the 250 foot requirement. Notice of said moving permit application shall be mailed 1st class to property owners adjacent or within 250 feet, by the Public Works Director, at least seven working days prior to the stated move date. Said notice shall provide the date the move is to occur and a date,

time and place at which the Urbana City Council shall hear the moving permit request if a meeting is scheduled or special meeting arranged.

C. The Urbana City Council at a regular City Council meeting, Committee meeting of the whole, or Special Council meeting shall review, within ten working days of completed application submission, the moving permit request and approve or disapprove said permit by motion and simple majority vote of those present. In the event a regular City Council meeting or committee meeting of the whole is not scheduled within ten days of the date of completed application submission, the Mayor and Council will be notified pursuant Sec. 2-25(b) of Urbana City Code of a special meeting. In the event a regularly scheduled Committee meeting or Council meeting does not occur within the ten day period and a quorum of the Council cannot agree to a special meeting date within three working days of the application, the permit shall be automatically issued on the 10th day.

Section 106.4.1 entitled, "Conflicts with Municipal Facilities," is added and reads as follows:

**Section 106.4.1 Conflicts with Municipal Facilities:** In addition to any required fees, the applicant for a moving permit shall be responsible for the cost(s) involved in any conflict with city facilities which requires temporary relocation, such as the relocation of street signs, light poles, traffic signals, tree trimming, etc, and the applicant shall be responsible for the cost of any traffic control which is provided by the City. The cost for such shall be determined by the Departments of Public Works, Engineering, and Police of the City of Urbana, Illinois.

Section 109.1 entitled, "Code Official," is amended to read as follows:

**Section 109.1 Code Official:** The Administrator of Community Development Services shall be herein specifically known and referred to in this Code as the "Building Official" and the "Manager of Building Safety" shall herein be specifically known and referred to in this Code as the "Assistant Building Official".

Section 109.6 entitled, "Relief from Personal Responsibility," is amended to read as follows:

**Section 109.6 Relief From Personal Responsibility:** The building official and assistant building official, officers, members of the building code board of appeals or employees charged with the enforcement of this Code, while acting for the municipality, shall not thereby render themselves liable personally, and they are hereby relieved from all personal liability for any damage that may occur to persons or property as a result of any act required or permitted in the discharge of their official duties. Any suit instituted against any officer or employee because of an act performed by them in the lawful discharge of their duties and under the provisions of this code



or any amendment thereto shall be defended by a legal representative of the city until the final termination of the proceedings. The building official or any subordinates shall not be liable for costs in any action, suit or proceeding that may be instituted in pursuance of the provisions of this code; and any officer of the department of building inspection, acting in good faith and without malice, shall be free from liability for acts performed under any of its provisions or by reason of any act or omission in the performance of official duties in connection therewith.

Section 109.7 entitled, "Official Records," is amended to read as follows:

**Section 109.7 Official Records:** An official record shall be kept of all business and activities of the department specified in the provisions of this code, and all such records shall be open to public inspection subject to the statutes and laws of the State of Illinois.

Sections 109.2 through 109.5 are deleted.

Section 112.2.1 entitled, "Unused Building Materials," is added and reads as follows:

**Section 112.2.1 Unused Building Materials:** When a permit becomes invalid or is voided for any reason, all building materials not stored within a building or permanent structure shall be removed from the job site.

Section 112.5 entitled, "Approved Plans," is amended to read as follows:

**Section 112.5 Approved Plans:** One duplicate set of the plans, as submitted for a building permit, shall be kept at the job site at all times, available to the building official at all reasonable times.

Section 114.3 entitled, "Fees and Fee Schedule," is amended to read as follows:

**Section 114.3 Fees and Fee Schedule:** The fees for plan examination, building permits, demolition permits, moving permits signs and all other types of permits shall be as prescribed in the License and Permit Ordinance, referenced as chapter 14 in the Urbana Code of Ordinances.

Sections 114.3.1, 114.4 and 114.5 are deleted.

Section 117.4 entitled, "Violation Penalties," is modified as follows:

**Section 117.4 Violation Penalties:** Any person who shall violate a provision of this code or shall fail to comply with any of the requirements thereof or who shall erect, construct, alter or repair a building or structure in violation of an approved plan or directive of the Code Official, or of a permit or certificate issued under the

provisions of this Code, shall be guilty of an offense punishable by a fine of not more than \$200.00. Each day that a violation continues shall be deemed a separate offense.

Section 118.2 entitled, "Unlawful Continuance," is amended to read as follows:

**Section 118.2 Unlawful Continuance:** Any person who shall continue any work in or about the structure 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 conditions, shall be subject to the penalties as prescribed in section 117.4.

Section 123.0 entitled, "Board of Survey," is deleted.

Section 124.1 entitled, "Application for Appeal," is modified as follows:

**Section 124.1 Application for Appeal:** Any person shall have the right to appeal to the Building Safety Code Board of Appeals from a decision of the Code Official refusing to grant a modification to the provisions of this code covering the manner of construction or materials to be used in the erection, alteration or repair of a building or structure. 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 can be used.

Section 124.2.1.1 is added and reads as follows:

**Section 124.1.1:** An appeal of a legal notice or order by a code official or the fire official must be made within fifteen (15) days of receipt of such notice.

Section 124.1.2 is added and reads as follows:

**Section 124.1.2:** Appeals involving the following codes (and other codes incorporated therein) shall be made to the Building Safety Code Board of Appeals:

- A. BOCA National Building Code
- B. BOCA National Mechanical Code
- C. BOCA National Fire Prevention Code
- D. BOCA National Plumbing Code
- E. National Electrical Code

Section 124.1.3 is added and reads as follows:

**Section 124.1.3:** Appeals involving or from requirements written in the BOCA National Existing Structures Codes shall be made to the Existing Structures Code Board of Appeals, as described in BOCA National Existing Structures Code Section 112.2 as modified in Article IX of this ordinance.

Sections 124.2 through 124.2.6 are deleted.

Section 124.2 entitled, "Membership of the Building Safety Code Board of Appeals is added and reads as follows:

**Section 124.2: Membership of the Building Safety Code Board of Appeals:** The existing Building Code Board of Appeals is dissolved. In its place is established the Building Safety Code Board of Appeals. The membership of which shall be comprised as follows: one licensed electrician or electrical engineer; one licensed plumber or mechanical engineer; one architect; one building contractor and one attorney. The members shall be appointed, by the Mayor, with approval of the City Council, for a term of five years, with the initial terms staggered.

Section 124.2.1 entitled, "Alternate Members," is added and reads as follows:

**Section 124.2.1 Alternate Members:** In addition to the members herein referred to, the mayor, shall initially appoint two (2) alternate members subject to confirmation of the corporate authorities. Such alternate members shall serve on the Board with the same powers and privileges as regular members when present at a meeting of the Board in place of an absent regular member. The alternate members so appointed shall serve for a term of three (3) years. There are no special trade requirements for membership of alternates.

Section 124.2.2 entitled, "Chairman of Board and Board Rules," is added and reads as follows:

**Section 124.2.2 Chairman of Board and Board Rules:** The Mayor shall appoint one of its members to serve as chairman, and the building official shall keep a detailed record of all proceedings on file in the department of building inspection. The board shall enact rules and by-laws under which it shall operate. The Board shall elect a temporary chairman in the absence of the appointed chairman.

Section 124.2.3 entitled, "Disqualification of Member," is added and reads as follows:

**Section 124.2.3 Disqualification of Member:** A member shall not hear an appeal in which that member has any personal, professional or financial interest.

Section 124.3 entitled, "Notice of Meeting," is amended to read as follows:

**Section 124.3 Notice of Meeting:** The Board shall meet upon notice of the chairman or the Building Official within twenty (20) working days of filing of an appeal or at stated periodic meetings if arranged by the volume of work.

Section 124.4 entitled, "Open Meetings," is amended to read as follows:

**Section 124.5 Open Meetings:** All hearings shall be open to the public. The appellant, the appellant's representative, the official of the jurisdiction and any other person whose interests may be affected by the matter on appeal, shall be given an opportunity to be heard at the meeting the appeal is heard.

Section 124.6 entitled, "Board Decision," is amended to read as follows:

**Section 124.6 Board Decision:** The Board shall modify or reverse the decision of the Building Official by a majority vote of those members present. The decision of the Board shall be by formal motion. Copies shall be furnished to the appellant and to the Building Official.

Section 201.0 entitled, "General Definitions," is modified as follows:

Substitute "Dwellings" as follows:

**Boarding, Lodging or Rooming House:** A building arranged or used to provide sleeping accommodations for 15 or fewer persons, including buildings where separate sleeping rooms are provided or rented on either a transient or permanent basis, with or without cooking facilities but without separate cooking facilities.

**Dormitory:** A building arranged or used to provide sleeping accommodations for more than 15 persons, in one room or in a series of closely associated rooms under joint occupancy, with or without meals but without individual cooking facilities, including college dormitories, fraternities, sororities and military barracks.

**Hotel:** A building used to provide separate sleeping facilities for 16 or more guests primarily transient, with or without meals, but where meals are provided or sold such is furnished through the joint use of a commercial kitchen and dining facility as in the case of a cafe or restaurant. Hotels may include buildings referred to as inns, clubs, motel and hotel apartments. The authority having jurisdiction shall decide if such structure with sleeping facilities for less than 16 persons may be classified as a rooming house.

**Multifamily Apartment Building:** A building containing more than two dwelling units.

**EXCEPTION:** Multiple single family buildings as defined in Section 910.3 of the BOCA National Building Code.

**One-Family Dwelling:** A building containing one dwelling unit with not more than four unrelated persons.

**Two-Family Dwelling:** A building containing two dwelling units with not more than four unrelated persons in each unit.

**Dwelling Unit:** A single living unit which provides independent

cooking, sleeping and bathroom facilities. A dwelling unit is restricted by the rules of the Zoning Ordinance to no more than four unrelated persons.

Section 309.4 entitled, "Use Group R-3 Structures," is amended to read as follows:

**Section 309.4 Use Group R-3 Structures:** This Use Group shall include all buildings arranged for the use of one and two family dwelling units, except those designated as R-4.

**EXCEPTION:** See Section 910.3 for multiple single family dwelling units.

Section 309.5.1 is added and reads as follows:

**Section 309.5.1:** The One and Two Family Dwelling code - 1986 edition as published by the Council of American Building Officials is hereby adopted as a part of the building code, by reference and is incorporated as fully as if set out in length herein.

All new buildings of Use Group R-4 shall comply fully with the CABO One and Two Family Dwelling Code, 1986 and Section 627.0 of the BOCA National Building Code, as modified by this ordinance.

Section 309.5.2 is added and reads as follows:

**Section 309.5.2:** The following additions, deletions and modifications to the CABO One and Two Family Dwelling code are to read as provided hereinafter and are a part of the CABO One and Two Family Dwelling code as though fully set forth at the referenced section number.

Section R-115 entitled, "Definitions," is modified as follows:

**Delete "Family"**

Table R-202 is modified as follows:

**Roof Live Load:** The minimum roof live load shall be 20 pounds per square foot for any roof with a roof slope of three inches per foot or better. Any roof with less pitch than 3 in 12 shall be designed for a minimum roof live load of 25 pounds per square foot.

**Roof Snow Load:** Snow load shall not increase the minimum roof live load unless the roof configuration shall be expected to induce the build-up of snow loads.

**Wind Load:** The minimum wind load shall be 20 pounds per square foot.

**Seismic zone:** Seismic zone shall be zone 1.

**Weathering:** The weathering index shall be "Negligible".

**Frost line Depth:** The minimum frost line shall be 32" below grade.

**Termites/Decay:** The jurisdiction is subject both to decay of wood products and to termite damage.

Section R-217.2.3 entitled, "Attics or Crawl Spaces" is amended to read as follows:

**Section R-217.2.3: Attics or Crawl Spaces:** Within an attic or crawl space where entry is made only to repair utilities, foam plastics shall not require any special thermal barrier or protection except that the floor ceiling systems shall completely isolate the attic and crawl spaces from the habitable areas. Bathroom vents, kitchen exhausts and dryer exhausts may pass through such areas without special requirements if installed with approved metal duct work.

**EXCEPTION:** Foam plastics which are required by either state or federal law to be covered or protected.

Section R-217.2.3.1 is added and reads as follows:

**Section R-217.2.3.1:** Attics or crawl spaces which are used as an air plenum system, envelope system, or which are used for mechanical equipment areas (such as furnaces) shall be protected against ignition by one and one-half (1 1/2) inch thick mineral fiber insulation, one-fourth (1/4) inch thick plywood, three-eighths (3/8) inch particle board, one-fourth (1/4) inch hardboard or three-eighths (3/8) inch gypsum wallboard, corrosion-resistant steel having a base metal thickness of sixteen-thousandths (0.016) inch, or other approved material installed in such a manner that the foam plastic is not exposed. The protective covering shall be consistent with the requirements for the type of construction.

Section R-304.1.1 entitled, "Mortar Types," is added and reads as follows:

**Section R-304.1.1 Mortar Types:** Mortar and grout shall conform to the requirements of BOCA Section 14409.0.

Sections 508.1 through 508.4 are deleted.

Section 508.1 entitled, "Yard Encroachments," is added and reads as follows:

**Section 508.1 Yard Encroachments:** (Refer to the Urbana Zoning Ordinance)

Section 508.1.1 entitled, "Access to Parking Areas," is added and reads as follows:

**Section 508.1.1 Access to Parking Areas:** A minimum of one access drive to all parking areas must maintain a clear height of at least fourteen (14) feet.

Section 508.2 entitled, "Court Encroachments," is added and reads as follows:

**Section 508.2 Court Encroachments:** A part of any building or structure shall not extend into court yards required for light and ventilation or required as open space by the Zoning Ordinance. Courts which are not required as open space by the Zoning Ordinance may have encroachments as follows:

Section 508.2.1 is added and reads as follows:

**Section 508.2.1:** Encroachments may not exceed 20% of the court required for light and ventilation purposes.

Section 508.2.2 is added and reads as follows:

**Section 508.2.2:** Roof eaves shall project no more than three feet beyond the face of the wall.

Section 508.2.3 is added and reads as follows:

**Section 508.2.3:** Steps, window sills, belt courses, and similar architectural features, rain leaders and chimneys shall not project more than two feet beyond the face of the wall.

Section 508.2.4 is added and reads as follows:

**Section 508.2.4:** Outside stairways, smokeproof tower balconies, fire escapes, or other required elements of a means of egress shall not project more than four feet beyond the face of the wall.

Sections 508.3 through 508.4 are deleted.

Section 509.3 is added and reads as follows:

**Section 509.3:** Special encroachments permits shall be issued by the Building official only with the consent of the city engineer.

Section 512.0 entitled, "Physically Handicapped and Aged," is amended to read as follows:

**Section 512.0 Physically Handicapped and Aged:**

**Section 512.1:** Where applicable, all buildings or structures, shall comply with the State of Illinois Environmental Barriers Act of 1985.

Section 601.3 entitled, "Tenant Separations," is amended to read as follows:

**Section 601.3 Tenant Separations:** Each tenant space shall be separated from other tenant spaces by a wall having a fire resistance rating of not less than one hour. The separation wall shall extend from the floor to the underside of the roof deck or floor deck above.

No separation is required between the tenant space and the covered mall, except for occupancy separations required elsewhere in this code.

**EXCEPTION:** Tenant separation walls may stop at the ceiling or may be omitted when located within a space that is less than 3000 square feet where such space is enclosed in separation walls as described above.

Sections 602.3.2 through 602.3.2.5 are deleted.

Section 621.1 is modified as follows:

**Section 621.1.1:** Except where allowed under temporary structures or where approved by the building official in the case of construction trailer, etc. all mobile units shall comply with the requirements of this code as determined by Use Group except for R-4 uses which shall comply with the applicable section of the CABO One and Two Family Dwelling code and the BOCA National Plumbing Code and Article XII of Chapter 5 of the Urbana Code of Ordinances.

**EXCEPTION:** Mobile units which do not comply with this code are restricted by the Zoning Ordinance and Article VIII of Chapter 5 of this Code to approved mobile home parks.

Section 626.3 entitled, "Location," is amended to read as follows:

**Section 626.3 Location:** Tents and air-supported structures shall be located with an accessible unoccupied open space around the perimeter having a minimum width of 50 feet (15240 mm) from any and all other buildings or structures of Type 5 construction. The minimum open space shall be 20 feet from any building of Type 1, 2, 3 or 4 construction. The building official may reduce the minimum open space dimensions where adequate separation and fire protection have been provided for the proposed use.

Section 627.0 entitled, "Security Standards for Residential Structures" is added and reads as follows:

**Section 627.0 Security standards for residential structures**

Section 627.1 entitled, "Where Required," is added and reads as follows:

**Section 627.1 Where Required:** All buildings of Use Group R-1, R-2, R-3 and R-4 shall comply with the requirements of this section as defined in 627.1.1 through 627.1.3.

Section 627.1.1 is added and reads as follows:

**Section 627.1.1:** All new buildings constructed after the effective date of this ordinance.



Section 627.1.2 is added and reads as follows:

**Section 627.1.2:** All buildings constructed after the effective date of Ordinance No. 7677-13 (previous Urbana Security Ordinance).

Section 627.1.3 is added and reads as follows:

**Section 627.1.3:** All existing buildings which are altered or re-modeled, as required in Section 103 of this code and/or where required by the BOCA National Existing Structures Code, as modified.

Section 627.2 entitled, "Definitions," is added and reads as follows:

**Section 627.2 Definitions:** Exterior shall mean that portion of a building or structure that provides access from the outside of the building or structure, or a part thereof. Exterior includes but is not limited to those portions of individual dwelling units constructed in a common building or structure which are accessible to persons not residing within that particular dwelling unit. This definition also includes doors leading from garage areas into various residential dwellings. For the purposes of this section only boarding houses, rooming houses and dormitories shall be considered one dwelling unit.

Section 627.3 entitled, "Exterior Swinging Doors," is added and reads as follows:

**Section 627.3 Exterior Swinging Doors:** All exterior swinging doors to individual dwellings shall swing inward, where ever practical, and shall comply with Section 627.3.1 through 627.6. In all cases doors shall comply with door swing, hardware requirements, fire ratings, etc. as indicated in other sections of this code.

Section 627.3.1 entitled, "Wood Doors," is added and reads as follows:

**Section 627.3.1 Wood Doors:** Wood doors shall be of solid core wood construction with a minimum thickness of one and three-quarter inches (1 3/4").

Section 627.3.2 entitled, "Metal Doors," is added and reads as follows:

**Section 627.3.2 Metal Doors:** Metal doors, shall have a minimum thickness of one and three-quarter inches (1 3/4"), and shall be reinforced for security hardware, where required by this section, as recommended by ANSI A151.1 - 1980 or other approved nationally recognized standards.

Section 627.3.3 entitled, "Multiple Doors," is added and reads as follows:

**Section 627.3.3 Multiple Doors:** Where pairs of doors are used they shall comply with the requirements of this section. Inactive leaves shall be equipped with flush or surface bolts, protected by hardened

material with a minimum throw of three-quarter (3/4) inch at the head and foot of the door. Active leafs shall be equipped with hardware as required in section 627.5. Alternative means of securing multiple door installations may be used when approved by the building official where equal security and safety is provided.

Section 627.4 entitled, "Frames," is added and reads as follows:

**Section 627.4 Frames:** The exterior jambs shall be reinforced at the point where the lock(s) engage(s) the jamb.

Section 627.4.1 entitled, "Strike Plates," is added and reads as follows:

**Section 627.4.1 Strike Plates:** Strike plates shall be firmly secured with a minimum of two screws having a minimum length of two and one-half (2 1/2) inches each. Screws shall penetrate framing members behind the jamb. In other than wood construction, the manufacturer's recommendations shall be followed.

Section 627.5 entitled, "Hardware," is added and reads as follows:

**Section 627.5 Hardware:** Except where provided in this section all doors shall be secured with a single cylinder deadbolt with a minimum one inch throw which penetrates the strike not less than three quarter (3/4) inches.

- A. Deadbolts shall be case hardened material.
- B. Cylinders shall be designed or protected so that they cannot be gripped by pliers or other wrenching devices.
- C. Deadbolt locks shall be openable from inside without use of a key or special knowledge (double cylinder deadbolts are not permitted), and parts thereof shall not bear any numbers or letters which may reveal a combination from which a key or similar control device could be fashioned and which could deactivate the locking device.

Section 627.5.1 entitled, "Hinges," is added and reads as follows:

**Section 627.5.1 Hinges:** In situations where outward swinging doors are used, or where the hinge pin is located where such can be removed to gain entrance, safety hinge studs or non-removable pins shall be used.

Section 627.5.2 entitled, "View Finders," is added and reads as follows:

**Section 627.5.2 View Finders:** Where observation is not otherwise possible, the main entrance to each individual dwelling unit shall be provided with a peephole or view finder to be located not less than four and one-half (4 1/2) feet or more than five feet above the floor.

**EXCEPTION:** Buildings of Use Group R-1.

Section 627.6 entitled, "Glazing," is added and reads as follows:

**Section 627.6 Glazing:** In other than Use Groups R-3 and R-4, glazing located within 36 inches of the locking mechanism shall be:

- a) Glazing of an unbreakable material.
- b) Protected on the inside with grill work, designed to prevent deactivation of the lock by reaching in.

Section 627.7 entitled, "Exterior Patio Type or Sliding Doors and Locking Hardware," is added and reads as follows:

**Section 627.7 Exterior Patio Type or Sliding Doors and Locking Devices:** All patio type or sliding doors opening onto patios or balconies which are two stories above ground level or less or which are otherwise accessible from the outside shall comply with the following requirements:

Section 627.7.1 is added and reads as follows:

**Section 627.7.1:** Patio type or sliding doors shall not be used or installed as exterior doors to the main entrance of any individual dwelling unit.

Section 627.7.2 is added and reads as follows:

**Section 627.7.2:** All single sliding patio doors shall have the movable section of the door sliding on the inside of the fixed portion of the door, except as provided in Subsection 627.7.5 of this section.

Section 627.7.3 is added and reads as follows:

**Section 627.7.3:** Deadbolt locks shall be provided on all single patio doors. If the lock is operable from the outside it shall be activated by a key utilizing a cylinder of pin tumbler construction. Mounting screws for the lock case shall be inaccessible from the outside. Lock bolts shall be of hardened steel or have hardened steel inserts and shall be capable of withstanding a force of 300 pounds applied in any direction. The lock bolt shall engage the strike sufficiently to prevent its being disengaged by any possible movement of the door within the space or clearances provided for installation and operation. The strike area shall be reinforced to maintain effectiveness of bolt strength.

Section 627.7.4 is added and reads as follows:

**Section 627.7.4:** Double sliding patio doors must be locked at the meeting rail and meet the locking requirement of Section 627.7.3.

Section 627.7.5 is added and reads as follows:

**Section 627.7.5:** Alternate methods for securing doors with movable sections of the door sliding on the outside of the fixed portion of the door must be approved by the building official.

Section 627.8 entitled, "Keys," is added and reads as follows:

**Section 627.8 Keys:** A tenant's key shall activate the locking device to no more than one individual dwelling unit.

Section 627.9 entitled, "Garages and Parking Facilities," is added and reads as follows:

**Section 627.9 Garages and Parking Facilities:** Doors accessing parking areas or garages located in or under buildings of Use Group R shall comply with all requirements of Section 627.0.

Section 627.9.1 entitled, "Use Group R-3 and R-4," is added and reads as follows:

**Section 627.9.1 Use group R-3 and R-4:** Buildings of Use Group R-3 and R-4 shall not have doors accessing garage areas from the residential areas unless such doors comply with the requirements of this section.

Section 627.9.1.1 entitled, "Garage Doors," is added and reads as follows:

**Section 627.9.1.1 Garage Doors:** Any garage door in any one- or two-family dwelling, whether it be overhead, roller-type, swing or sliding, shall be so equipped that it is capable of being locked. Specific locking devices to be employed shall be of one or more of the following types: throwbolt or flushbolt; deadbolt; cylinder-type lock; padlock and hasp; or an electronic power operated mechanism with automatic locking capabilities. When a garage door provides the only access to the exterior from the garage the above locking device must be openable from inside without use of keys.

Section 627.10 entitled, "Exterior Windows," is added and reads as follows:

**Section 627.10: Exterior Windows:** All exterior windows located less than 12 feet above grade, or any other accessible exterior level shall comply with the following requirements.

Section 627.10.1 entitled, "Window Construction," is added and reads as follows:

**Section 627.10.1 Window Construction:** Windows shall be so constructed that they cannot be lifted from their frames when locked and shall be equipped with a locking device capable of withstanding reasonable force when fully engaged.

Section 627.10.2 entitled, "Louvered Windows," is added and reads as follows:

**Section 627.10.2 Louvered Windows:** Louvered windows with removable glass or windows which can be manually maneuvered from the exterior shall not be permitted.

Section 627.11 is added and reads as follows:

**Section 627.11:** The address and exterior door(s) of all dwelling units shall be capable of being adequately illuminated.

Section 627.11.1 is added and reads as follows:

**Section 627.11.1:** Buildings of Use Group R-1 and R-2 shall provide such illumination at all times. Switches shall not be permitted except by timer or light sensing devices which are designed to operate when daylight fails. All bulbs shall be protected with break resistant or vandal proof covers and, where exposed to the elements, a weatherproof cover.

Section 708.2.1 entitled, "Area for Sleeping Purposes," is added and reads as follows:

**Section 708.2.1 Area for Sleeping Purposes:** Every room occupied for sleeping purposes by one occupant shall contain at least 70 square feet of floor area, and shall contain an additional 50 square feet for each additional occupant thereafter.

Section 711.0 entitled, "Rear Yards," is deleted.

Section 816.4.1 entitled, "Minimum Number of Risers," is added and reads as follows:

**Section 816.4.1 Minimum Number of Risers:** In no case shall less than three risers be used in a means of egress.

Section 821.3.2 entitled, "Opening Protectives," is deleted.

Section 823.1.1 entitled, "Additional Locations," is added and reads as follows:

**Section 823.1.1 Additional Locations:** In all cases where the means of egress is not immediately obvious "EXIT" signs and directional signs, as indicated in this section, shall be installed to identify the exit and exit access areas.

Section 902.3 entitled, "Fire Grading Reduction," is added and reads as follows:

**Section 902.3 Fire Grading Reduction:** When a building is protected throughout by an approved automatic fire suppression system, which is not required by other provisions of this Code, and is installed in accordance with NFPA 13 listed in Appendix A, the fire grading requirements of Table 902 for all areas protected in this manner may be reduced by one-hour.

Section 910.3 entitled, "Multiple Single-Family Dwellings," is amended to read as follows:

**Section 910.3: Multiple Single-Family Dwellings:** Single-family dwelling units (Use Group R-3) may be located above or adjacent to other single-family dwelling units (Use Group R-3) provided each dwelling unit is completely separated from the adjacent dwelling unit(s) by fire separation wall(s) and floor/ceiling assemblies of not less than one hour fire resistance rated construction. Single-family dwelling units having independent means of egress, when attached in this manner, shall be considered as one building classified as Use Group R-3 for the purpose of determining the applicable provisions of this code. More than one hour separation shall not be required where the above multiple single-family dwellings are to be sold as individual dwelling units and the lot(s) created do not comply with the minimum lot size requirements of the Zoning Ordinance.

Section 910.3.1 is added and reads as follows:

**Section 901.3.1:** All fire separation walls used in buildings of Use Group R-3 shall extend from the foundation to the underside of the roof sheathing and to the inside of the exterior wall sheathing.

Section 922.7.4.1 is added and reads as follows:

**Section 922.7.4.1:** Materials such as carpeting, having a napped, tufted, looped, or similar surface, when applied on walls or ceilings, shall meet the requirements of Class A interior finish.

**EXCEPTION:** In buildings protected with an automatic sprinkler systems, Class B interior finishes may be used, subject to the approval of the authority having jurisdiction if found to be safe.

Section 1002.6 entitled, "Use Group B, R-1 and R-2" is amended to read as follows:

**Section 1002.6 Use Groups B, R-1 and R-2:** In all buildings or structures of Use Groups B, R-1 and R-2 when more than 75 feet in height, as measured from the lowest point of grade.

**EXCEPTION:** In buildings of Use Group R, sprinklers may be omitted from bathrooms not greater than 55 square feet in area.

Section 1017.3 entitled, "Where Required," is modified as follows:

**Section 1017.3 Where Required:** A fire protective signaling system shall be installed and maintained in full operating condition in the locations described in Sections 1018.3.1 through 1018.3.5.

Sections 1017.3.1 through 1017.3.6 are deleted.

## **AUTOMATIC FIRE DETECTION SYSTEMS**

Section 1018.3.4 is modified as follows:

Section 1018.3.4 Use Group B, E, F, H, M, R-2, and S-1:

--In all buildings of use Group B that are more than two (2) stories in height.

**EXCEPTION:** Buildings of Use Group B which are protected throughout with an approved automatic fire suppression system and are less than seven (7) stories in height.

--In all buildings of Use Group E, except in those areas within the building which are used in accordance with the classifications of Use Groups A-1, A-2, A-3, A-4, or A-5.

--In all buildings of Use Group F and S-1 except when the building is protected throughout with an approved automatic fire suppression system.

--In all buildings of Use Group H.

--In all buildings of Use Group M.

**EXCEPTION:** Buildings of Use Group M which are protected throughout with an approved automatic fire suppression system, or those buildings of Use Group M which have 3,000 square feet or less of gross floor area used for sales purposes on the street floor level.

--In all buildings of Use Group R-2.

### **EXCEPTIONS:**

A. In apartment buildings when less than four (4) stories in height or less than twelve (12) units.

B. In apartments buildings which do not have interior corridors and in which the dwelling units have direct access to the exterior.

Section 1018.4 entitled, "Sprinklered buildings, exceptions," is deleted.

Section 1018.7 entitled, "Supervision; Where Required," is added and reads as follows:

**Section 1018.7 Supervision; Where Required:** In all occupancies of Use Groups I and R-1 which are required to have automatic alarms as specified in Sections 1018.3.1 through 1018.3.3.

Section 1018.7.1 is added and reads as follows:

**Section 1018.7.1:** All fire protection systems shall be tested in the presence of and shall be approved by the building official and the

fire official (or their authorized agents). Where supervision of a system is required, no more than 90 seconds shall elapse between the time that a fire protection system device activates and notification is received by the local fire dispatching jurisdiction.

Section 1018.7.2 entitled, "Notification to the Fire Department," is added and reads as follows:

**Section 1018.7.2 Notification to the Fire Department:** No fire protection system may be disconnected or shut off without approval from the fire official. Where a supervised system transmits a "trouble" signal (as opposed to an alarm signal in a fire situation) the receiving station or agency shall notify the fire official immediately and shall then notify the owner of the system. It is intended here that the fire department be notified when a fire alarm system is not working properly, or is in trouble, but not that the fire department dispatch vehicles or notify the owner.

Section 1020.1 entitled, "Fire Suppression Systems," is modified as follows:

**Delete** method #5 "Locking Valves Open".

Section 1021.2 entitled, "Where Required," is modified as follows:

**Delete** "completed" in #6.

Section 1110.2 entitled, "Minimum Roof Load," is modified and reads as follows:

**Section 1110.2 Minimum Design Roof Live Load:** The minimum design roof live load shall not be less than 25 pounds per square foot.

**EXCEPTION:** Buildings of Use Group R-4.

Section 1202.1.1 entitled, "Maximum Soil Bearing Pressure," is added and reads as follows:

**Section 1202.1.1 Maximum Soil Bearing Pressure:** The maximum allowable design soil bearing pressure permitted without supportive soil tests shall be 2000 pounds per square foot.

Section 1205.1.1 entitled, "Frost Line," is added and reads as follows:

**Section 1205.1.1 Frost Line:** The minimum design frost line depth shall be 32" below grade.

Section 2602.3 entitled, "Periodic Tests," is amended to read as follows:

**Section 2602.3 Periodic Tests:** Periodic tests shall be required on all new and existing power elevators. Periodic tests shall be made by an approved agency at the expense and responsibility of the owner. A



detailed report of the tests shall be submitted to the building official on approved forms not more than 30 days following the completion of the tests.

Sections 2602.3.1, 2602.3.2, 2602.4, 2602.4.1 and 2602.4.2 are deleted.

Section 2602.4 entitled, "Periodic Test Intervals," is added and reads as follows:

**Section 2602.4 Periodic Test Intervals:** Periodic tests shall be made at intervals not exceeding those set forth in ASME A17.1 listed in Appendix A. Additional or more frequent tests or inspections may be required by the building official.

Section 2603.0 entitled, "Annual Operating Permit," is amended to read as follows:

**Section 2603.0 Annual Operating Permit:**

Sections 2603.1 through 2603.4 are deleted.

Section 2603.1 entitled, "General," is added and reads as follows:

**Section 2603.1 General:** The operation of all equipment governed by the provisions of this article and hereafter installed, relocated or altered shall be unlawful by persons other than the installer thereof until such equipment has been inspected and tested as herein required and an operating permit has been issued by the building official.

Section 2603.2 entitled, "Limited Certificate of Operation," is added and reads as follows:

**Section 2603.2 Limited Certificate of Operation:** The building official may issue a limited certificate of operation for any equipment covered by this article, which is hereafter being installed, relocated or altered, to permit its limited use by the person designated therein during the period of such installation, relocation or alteration. Such certificate shall be signed by the building official, shall bear the dates of issue, renewal and expiration, and shall designate the class of service allowed.

Section 2603.2.1 entitled, "Tests and Minimum Safeguards Required," is added and reads as follows:

**Section 2603.2.1 Tests and Minimum Safeguards Required:** A limited certificate shall not be issued for an elevator until such elevator has satisfactorily passed tests for rated load, car and counterweight safety, and terminal stopping devices. Permanent or temporary guards and enclosures shall be installed on the car, around the hoistway and at the landing entrances. Equipment other than elevators shall be tested and protectives provided as deemed necessary by the building official to insure safe operation for the limited service specified.

Section 2603.2.2 entitled, "Special Conditions," is added and reads as follows:

**Section 2603.2.2 Special Conditions:** Automatic and continuous-pressure operation elevators shall not be placed in temporary operation from the landing push-buttons unless the door locking device and interlocks required by ASME A17.1 listed in Appendix A are installed and operative. When the car can be operated only from the inside, landing entrance guards shall be provided with locks that can be released from the hoistway side only.

Section 2603.3 entitled, "Operating Permit, Issuance," is added and reads as follows:

**Section 2603.3 Operating Permit, Issuance:** Annual operating permits shall be issued by the building official, for each unit of equipment, existing or new, referenced by this Section, upon receipt of the testing as required in Section 2602.3 and the prescribed fee as described in Chapter 14 (Licenses and Permits) in the Code of Ordinances of the City of Urbana.

**EXCEPTION:** Manlifts, industrial lifts, loading ramps, automotive lifts and conveyors. **NOTE:** Verify wording of underlined section.

Section 2603.3.1 entitled, "Expiration of the Operating Permit," is added and reads as follows:

**Section 2603.3.1 Expiration of the Operating Permit:** Operating permits for all new and existing equipment shall expire at the end of each fiscal year of the City of Urbana, and may be renewed only upon submittal of the annual test reports as required in Section 2602.3 and submittal of the fees as described in Chapter 14 of the Code of Ordinances of the City of Urbana.

Section 2603.4 entitled, "Posting Operating Permits," is added and reads as follows:

**Section 2603.4 Posting Operating Permits:** The owner of lessee shall post the last issued operating permit in a conspicuous place available to the building official.

Section 2605.1 entitled, "Retroactive Provisions," is modified as follows:

**Delete** "thereunder" in the second line. "hereunder" in the second line.

Section 2607.4 is deleted.

Section 2700.1 is modified as follows:

Add to the last sentence, "and the Electrical Code of Urbana as prescribed in this Ordinance."

Section 2704.1 is modified as follows:

**Delete** "Certificate of inspection and".

All of ARTICLE 29 entitled, "Signs," is deleted.

ARTICLE 29 entitled, "Signs," is added and reads as follows:

Section 2900.0 entitled, "General," is added and reads as follows:

**Section 2900.1 Scope:** The provisions of this article shall govern the construction, alteration, repair and maintenance of all signs together with their appurtenant and auxiliary devices in respect to structural and fire safety.

Section 2900.2 entitled, "Zoning Ordinance," is added and reads as follows:

**Section 2900.2 Zoning Ordinance:** All signs shall comply with the Zoning Ordinance.

Section 2901.0 entitled, "Plans, Specifications and Permits," is added and reads as follows:

**Section 2901.0 Plans, Specifications and Permits:**

Section 2901.1 entitled, "Owner's Consent," is added and reads as follows:

**Section 2901.1 Owner's Consent:** Before any permit is granted for the erection of a sign, plans and specifications shall be filed with the building official showing the dimensions, materials and required details of construction, including loads, stresses and anchorage. The applications shall be accompanied by the written consent of the owner or lessee of the premises upon which the sign is to be erected.

Section 2901.2 entitled, "New Signs," is added and reads as follows:

**Section 2901.2 New Signs:** A new sign shall not hereafter be erected, constructed, altered or maintained except as herein provided, and until after a permit has been issued by the building official.

Section 2901.3 entitled, "Alterations," is added and reads as follows:

**Section 2901.3 Alterations:** A sign shall not be enlarged or relocated except in conformity to the provisions of this article for new signs, nor until a proper permit has been secured. The changing of movable parts of an approved sign that is designed for such changes, or the repainting or reposting of display matter, shall not be deemed an alteration, provided the conditions of the original approval and the requirements of this article are not violated.

Section 2902.0 entitled, "Unsafe and Unlawful Signs," is added and reads as follows:

**Section 2902.0 Unsafe and Unlawful signs:**

Section 2902.1 entitled, "Notice of Unsafe Signs," is added and reads as follows:

**Section 2902.1 Notice of Unsafe Signs:** When any sign becomes insecure, in danger of falling, or otherwise unsafe, or if any sign shall be unlawfully installed, erected or maintained in violation of any of the provisions of this code, the owner thereof or the person or firm maintaining same shall upon written notice of the building official, forthwith in the case of immediate danger and in any case within not more than ten days, make such sign conform to the provisions of this article or shall remove it. If within ten days the order is not complied with, the building official may remove such sign at the expense of the owner or lessee thereof as provided in Section 121.0.

Section 2902.2 entitled, "Unlawful Signs," is added and reads as follows:

**Section 2902.2 Unlawful Signs:** The location or positioning of signs listed in the following Sections shall be considered unlawful.

Section 2902.2.1 entitled, "Egress Obstructions," is added and reads as follows:

**Section 2902.2.1 Egress Obstructions:** A sign shall not be erected, constructed, or maintained so as to obstruct any fire escape, means of egress, window or door opening used as an element of a means of egress or to prevent free passage from one part of a roof to another part thereof or access thereto as required by the provisions of Article 8 or for the fire fighting forces having jurisdiction.

Section 2902.2.2 entitled, "Obstruction to Ventilation," is added and reads as follows:

**Section 2902.2.2 Obstruction to Ventilation:** A sign shall not be attached in any form, shape or manner which will interfere with any opening required for ventilation by Article 7; except that such signs may be erected in front of and may cover transom windows when not in violation of the provisions of this code.

Section 2903.0 entitled, "Maintenance and Inspection," is added and reads as follows:

Section 2903.1 entitled, "Removal," is added and reads as follows:

**Section 2903.1 Removal:** The Building Official may order the removal of any sign that is not maintained in accordance with the provisions of this article.

Section 2903.2 entitled, "Maintenance," is added and reads as follows:

**Section 2903.2 Maintenance:** All signs for which a permit is required, together with all their supports, braces, guys, and anchors, shall be kept in repair in accordance with the provisions of this article and Article 1. When not galvanized or constructed of approved corrosion-resistant noncombustible materials, signs shall be painted when necessary to prevent corrosion.

Section 2903.3 entitled, "Housekeeping," is added and reads as follows:

**Section 2903.3 Housekeeping:** It shall be the duty and responsibility of the owner or lessee of every sign to maintain the immediate premises occupied by the sign in a clean, sanitary and healthful condition.

Section 2903.4 entitled, "Inspection," is added and reads as follows:

**Section 2903.4 Inspection:** Every sign shall be subject to the inspection and approval of the building official.

Section 2904.0 entitled, "General Requirements for All Signs," is added and reads as follows:

Section 2904.1 entitled, "Construction," is added and reads as follows:

**Section 2904.1 Construction:** All signs shall be designed and constructed in conformance with the provisions for materials, loads and stresses of this Code and the requirements of this article.

Section 2904.2 entitled, "Design Loads," is added and reads as follows:

**Section 2904.2 Design loads:** Loads listed in Sections 2907.2.1 and 2907.2.2 shall be the minimum for the design of signs.

Section 2904.2.1 entitled, "Wind," is added and reads as follows:

**Section 2904.2.1 Wind:** All signs shall be designed and constructed to withstand wind pressure as provided in Section 1111.3.1 for ground signs and Section 915.2 for roof signs.

Section 2904.2.2 entitled, "Earthquake," is added and reads as follows:

**Section 2904.2.2 Earthquake:** Signs adequately designed to withstand wind pressures shall generally be considered capable of withstanding earthquake shocks, except as provided in Section 1112.0 and for combined loading in Section 1113.0.

Section 2904.3 entitled, "Illumination," is added and reads as follows:

**Section 2904.3 Illumination:** A sign shall not be illuminated by other than electrical means and electrical devices and wiring shall be installed in accordance with the requirements of NFPA 70 listed in Appendix A. Any open spark or flame shall not be used for display purposes unless specifically approved by the building official.

Section 2904.4 entitled, "Ornamental Features," is added and reads as follows:

**Section 2904.4.1 Ornamental Features:** Wood or approved plastic as provided in Article 20 or other materials of combustible characteristics similar to wood when used for moldings, cappings, nailing blocks, letters and latticing shall comply with the provisions of this Code and shall not be used for other ornamental features of signs, unless approved.

Section 3016.1 entitled, "Temporary Stairways," is modified as follows:

**Section 3016.1 Temporary Stairways:** When a building has been constructed to a greater height than 35 feet or two (2) stories, or when an existing building exceeding 35 feet in height is altered, at least one (1) temporary lighted stairway shall be provided unless one or more of the permanent stairways are erected as the construction progresses.

ARTICLE 31 is deleted.

Section 4 entitled, "Saving Clause," is added and reads as follows:

**Section 4 Saving Clause:** That nothing in this Ordinance or in the National Building Code hereby adopted shall be construed to affect any suit or proceeding impending in any court, or any rights acquired, or liability incurred, or any cause or causes of action acquired or existing, under any act or ordinance hereby repealed as cited in Section 1 of this Ordinance; nor shall any just or legal right or remedy of any character be lost impaired or affected by this Ordinance.

## ARTICLE VI ELECTRICAL CODE

**Section 1 Adoption of the National Electrical Code:** The National Electrical Code (NFPA 70 - 1987) as copyrighted by the National Fire Protection Association is hereby adopted and incorporated herein by reference, as if fully set out in this ordinance, with the additions and changes prescribed hereinafter.

**Section 2 Effect of State Law:** The adoption of the 1987 National Electrical Code (NFPA 70-1987) herein pursuant to home rule powers is not intended to negate any state statute on the same subject except insofar as this Article imposes a more stringent requirement or standard than does the state statute.

**Section 3 Amendments, Deletions and Modifications:** The following additions, deletions, amendments or substitutions, as defined in Article I, Section 5 of this ordinance, are hereby made to the National Electric Code.

Article #90 is amended to read as follows:

### **ARTICLE #90 Administration and Enforcement:**

#### **Section 90-1. General:**

A. **Title:** This Code shall be known as the Electrical Code of the City of Urbana, Illinois hereinafter referred to as the Electrical Code or "this Code".

B. **Scope:** The design, installation, maintenance, alteration and inspection of electrical systems shall comply with the requirements of this Code.

C. **Intent:** This Code shall be construed liberally and justly to insure public health, safety and welfare insofar as they are affected by the installation and maintenance of electrical systems.

D. **Safety:** This Code contains provisions necessary for safety. Compliance therewith and proper maintenance will result in an installation essentially free from hazard, but not necessarily efficient, convenient, or adequate for good service or future expansion of electrical use.

E. **Non-Instruction:** This Code is not intended as a design specification nor as an instruction manual for untrained persons.

F. **Liability:** This article shall not be construed to affect the responsibility or liability of any party owner, operating, controlling or installing any electrical equipment, for damage to persons or property caused by any defect therein, nor shall the City be held as assuming such liability by reason of the inspection or reinspection authorized herein or the certificate of approval issued as herein provided, or by reason of the approval or disapproval of any equipment authorized herein.

**G. Building Safety Code Board of Appeals:** The Urbana Electrical Commission is dissolved. All appeals and variations of the Electrical Code shall be heard by the Building Safety Code Board of Appeals as established in Article 124.1 - 124.6 of the BOCA National Building Code 1987 as amended.

**Section 90-2 Applicability:** The provisions of this Code shall apply to the installations and equipment within, on or around public and private buildings, or other structures, including mobile homes, recreational vehicles, floating buildings and other premises such as yards, carnival, parking and other lots and industrial substations.

**A. Also covered are:**

1. Installation of conductors that connect to the supply of electricity.
2. Installation of other outside conductors on the premises.
3. Installation of optical fiber cable.
4. Certain low voltage installations.

**B.** It is the intent that this Code cover all premises' wiring or wiring other than utility owned metering equipment, on the load side of the service point of buildings, structures, or any other premises not owned or leased by the utility. Also, it is the intent that this Code cover installations in buildings used by the utility company for purposes such as office buildings, warehouses, garages, machine shops, and recreational buildings which are not an integral part of a generating plant, substation, or control center.

**EXCEPTION:** Those listed below (90-2-c).

**C. This Code shall not cover:**

1. Installations in ships, watercraft other than floating buildings, railway rolling stock, aircraft, or automotive vehicles other than mobile homes and recreational vehicles.
2. Installations underground in mines.
3. Installations of railways for generation, transformation, transmission, or distribution of power used exclusively for operation of rolling stock or installations used exclusively for signaling and communication purposes.
4. Installations of communication equipment under the exclusive control of communication utilities, located outdoors or in building spaces used exclusively for such installations.
5. Installations under the exclusive control of electric utilities for the purpose of communication, or metering, or for the generation, control, transformation, transmission, and distribution of



electric energy located in buildings used exclusively by utilities for such purposes or located outdoors on property owned or leased by the utility or on public highways, streets, roads, etc., or outdoors by established rights on private property.

**D. Matters not provided for:** Any requirements essential for the safe operation of any appliance or electrical system not specifically provided for by this Code shall be determined by the Electrical Official.

**E. Continuation of unlawful use:** It shall be unlawful to install, extend, alter, repair or maintain electrical systems in or adjacent to buildings except in conformity with this Code.

### **Section 90-3 Existing Electrical Systems:**

**A. Application:** This Code shall apply to existing electrical systems described in this section.

1. Electrical systems in a building occupied for occupancies or uses other than those for which it was occupied at the time this Code became applicable.

2. Electrical systems in a building moved as specified in Section 90-6.

**B. Additional or Alterations:** Any addition or alteration, regardless of cost, made to a electrical system shall be made in conformity with applicable regulations of this Code. Where additions or alterations subject parts of existing systems to loads exceeding those permitted herein, such parts shall be made to comply with this Code.

**C. Existing Use Continued:** Except as otherwise provided in this Code a provision in this Code shall not require the removal, alteration or abandonment of, nor prevent continued use of, an existing electrical system; provided the system conforms with the codes in existence at the time of its installation.

### **Section 90-4 Repairs and Maintenance:**

**A. Maintenance:** All electrical systems, both existing and new, and all parts thereof shall be maintained in a safe condition. All devices or safeguards which are required by this Code shall be maintained in good working order.

**B. Owner Responsibility:** The owner or the owner's designated agent shall be responsible for the maintenance of electrical systems.

**Section 90-5. Demolition:** No building or structure shall be demolished until the electrical service has been properly terminated by the utility company. The Electrical Official may require notification of termination, in writing from the utility company.

**Section 90-6. Moved Structures:** The electrical systems in a building or structure which is to be moved or relocated must comply with the minimum requirements for rewiring existing construction before such building may be occupied (See Section 120.5).

**Section 90-7 Approval:**

**A.** It shall be unlawful for any person to use any electrical device, apparatus, wiring material, or current limiting device of any kind that does not meet the Standards of Underwriters Laboratories or other approved testing laboratories, listed in Appendix A of the Building Code, as to safety and adequacy.

**B.** The Electrical Official may waive specific requirements in this Code or permit alternate methods, where it is assured that equivalent objectives can be achieved by establishing and maintaining effective safety.

This Code may require new products, constructions, or materials which may not yet be available at the time the Code is adopted. In such event, the authority having jurisdiction may permit the use of the products, constructions, or materials which comply with the most recent previous edition of this Code adopted by this jurisdiction.

**C. Research and Investigations:** The Electrical Official shall require that sufficient technical data be submitted to substantiate the proposed use of any material or assembly, and if it is determined that the evidence submitted is satisfactory proof of performance for the use intended, its use may be approved subject to the requirements of this Code. The costs of all tests, reports and investigations required under these provisions shall be paid by the applicant.

**D. Special Permission:** The authority having jurisdiction for enforcing this Code may grant exception for the installation of conductors and equipment not under the exclusive control of the electric utilities and used to connect the electric utility supply system to the service-entrance conductors of the premises served, provided such installations are outside a building or terminate immediately inside a building wall.

**E. Accepted Industry Practice:** In the absence of provisions not specifically contained in this Code or approved rules, accepted industry practice in respect to material, equipment, or method of installation will serve as the standard for enforcement by the Electrical Official governing electrical installations.

Section 90-8 entitled, "Electrical Official" is added and reads as follows:

**Section 90-8 Electrical Official:**

**A. General:** The Electrical Inspector of the Building Safety Division of the Department of Community Development Services of the City of Urbana shall be designated the Electrical Official for the purposes of this Code.

**B. Relief from Personal Responsibility:** The Electrical Official, officer or employee charged with the enforcement of this Code, while acting for the jurisdiction, shall not thereby be rendered liable personally, and is hereby relieved from all personal liability for any damage that may accrue to persons or property as a result of any act required or permitted in the discharge of Official duties. Any suit instituted against any officer or employee because of an act performed by that officer or employee in the lawful discharge of duties and under the provisions of this Code shall be defended by the legal representative of the jurisdiction until the final termination of the proceedings. The Official or any subordinate shall not be liable for costs in any action, suit or proceeding that may be instituted in pursuance of the provisions of this Code; and any officer of the Office of Electrical Inspection, acting in good faith and without malice, shall be free from liability for acts performed under any of its provisions or by reason of any act or omission in the performance of official duties in connection therewith.

**Section 90-9 Duties and Powers:**

**A. General:** The Electrical Official shall enforce all the provisions of this Code relative to the installation, alteration, repair, maintenance or operation of all electrical systems, devices and equipment, except as may otherwise be specifically provided for by other requirements or as provided in the following sections.

1. The provisions of this Code may be modified or waived, by special permission, by the Electrical Official where such permission is allowed by a section in this Code.

**B. Applications and Permits:**

1. The Electrical Official shall receive applications and issue permits for the installation and alteration of electrical systems and equipment.
2. The Electrical Official shall have the authority to deny issuance of an electrical permit to an applicant who is delinquent in obtaining inspections as required in Section 90-16 or delinquent in compliance with notices and orders.

**C. Notices and Orders:** The Electrical Official shall issue all necessary notices or orders to remove illegal or unsafe equipment or require repairs or replacement of such equipment.

**D. Inspections:** The Electrical Official shall make all the required inspections, or may accept reports of inspection by approved services or individuals.

**E. Rule Making Authority:** The Electrical Official shall have power as may be necessary in the interest of public safety, health and general welfare to adopt and promulgate rules and regulations to interpret and implement the provisions of this Code to secure the intent thereof and to designate requirements applicable because of

local climatic or other conditions. Such rules shall not have the effect of waiving working stresses or fire protection requirements specifically provided in this Code, or of violating approved engineering practice involving public safety.

**F.** The Electrical Official is hereby empowered to attach to electrical cabinets and equipment, any Official notice or seal to prevent or permit use of electricity and it shall be unlawful for any other person to put or attach such seal or notice, or to break, change, destroy, tear, mutilate, cover, relocate, or otherwise deface or injure any such official notice or seal posted or duly signed by the Electrical Official.

Section 90-10 entitled, "Permits" is added and reads as follows:

**Section 90-10 Permits:**

**A.** The Electrical Official shall examine or cause to be examined all applications for permits and amendments thereto within a reasonable time after filing. If the application or the plans do not conform to the requirements of all pertinent laws, such application shall be rejected. If the Electrical Official is satisfied that the proposed work conforms to the requirements of this Code and all laws and ordinances applicable thereto, a permit shall be issued as soon as practical.

1. No electrical equipment or system shall be altered or installed without first obtaining an electrical permit.

**EXCEPTION:** A permit shall not be required for minor electrical repairs (involving no new work, alterations or change whatever) that are necessary and incident to the maintenance only in good condition of an established plant, installation or system of wiring. However, this exception does not permit the installation of any new circuits or the extension of any circuits already installed.

**B. Application for Permits:** Application for an electrical permit shall be made on forms prepared and provided by the Electrical Official.

**C.** Applications for electrical permits shall be made only by those persons qualified, as defined by this Code, to perform electrical work.

1. In no case shall anyone apply for a permit to do work which they are not authorized by the owner or owners agent to perform.

**D. Plans and Specifications:** The application for the permit shall be accompanied by specifications and plans drawn to scale, with sufficient clarity and detail dimension to show the nature and character of the work to be performed. When quality of materials is essential for conformity to this Code, specific information shall be given to establish such quality; and this Code shall not be cited, or the term "legal" or its equivalent to be used, as a substitute for

specific information. The Electrical Official may waive the requirement for filing plans when the work involved is of a minor nature.

**E. Revocation:** The Electrical Official may revoke a permit or approval issued under the provisions of this Code in case of any false statement or misrepresentation of fact in the application or on the plans on which the permit or approval was based.

**F. Suspension:** Any permit issued shall become invalid if the authorized work is not commenced within six months after issuance of the permit or if the authorized work is suspended or abandoned for a period of six months after the time of commencing the work.

Section 90-11 entitled, "Conditions of Permit" is added and reads as follows:

**Section 90-11 Conditions of Permit:**

**A. Qualifications of Contractors:** Except as indicated in 90-12 herein electrical permits shall be issued only to contractors licensed by the City of Urbana to perform such work.

**B. Payment of Fees:** A permit shall not be issued until the fees prescribed in Chapter 14 (licenses and permits) of the Urbana Code of Ordinances are submitted.

**C. Code Compliance:** The permit shall be authorization to proceed with the work and shall not be construed as authority to violate, cancel or set aside any of the provisions of this Code, except as specifically stipulated by approved modification as described in the application.

**D. Permit Compliance:** All work shall conform to the approved application and plans for which the permit has been issued, and any approved amendments thereto. Modifications or changes in the work shall not be made without first obtaining approval from the Electrical Official and paying any additional required fees.

**E. Permits are not transferable.** A permit shall be valid only to the party authorized to do the work as indicated on the application and any bona fide employees, as allowed by this Code.

**F. Annual Permits:** The Electrical Official may issue annual permits under the following conditions:

1. Application shall be made annually in a form approved by the Electrical Official.

2. No permits shall be issued until the proper fees have been paid.

3. The application for an annual permit shall include the name of the supervisory electrician that is to be responsible for the

work. The electrical inspector shall be notified prior to any change in the supervising electrician. The supervising electrician shall be licensed as required in this Code.

4. Work performed under the annual permit shall be limited to minor installations or alterations. Separate electrical permits shall be obtained for major changes in electrical equipment or apparatus, changes in service, relocation of major pieces of equipment or high voltage devices and/or electrical remodeling of areas or spaces including changes in lighting.

5. An annual permit shall be issued only to those businesses, companies or corporations which use qualified people in their operation to maintain electrical systems and to make minor modifications and equipment changes. Annual permits may be issued to covered malls, hospitals, factories and other organizations which have employees for the full time and constant maintenance and repair of electrical systems.

6. The annual permit shall specify each and every building location or premises where work is to be performed along with the name of the designated supervising electrician.

7. The designated supervising electrician shall maintain a log of all work performed during each month for which the permit was issued. This log shall list the type and location of all work performed under the annual permit. Work not listed on the log and all major electrical work shall require a separate electrical permit. The designated supervising electrician shall update and maintain the log for review by the Electrical Official.

8. Any person violating any of the provisions of this article applicable to annual electrical permit certificates shall be subject to the penalties provided and in addition thereto, the annual electrical permit certificate issued to such person shall be revoked by the Electrical Inspector in writing to the party involved, and any unexpired fee therein shall be retained by the city, provided however, that revocation by the Electrical Official shall be subject to appeal to the Building Safety Code Board of Appeals.

Section 90-12 entitled, "Registration of Electrical Contractors" is added and reads as follows:

**Section 90-12 Registration of Electrical Contractors:**

A. Permits for electrical work shall be issued only to registered electrical contractors as defined herein.

**EXCEPTION:** Permits may be issued to the owner/occupant of a single family dwelling used exclusively for living purposes, including the usual accessory buildings to perform electrical work in said dwelling, provided the person is the bona fide owner of such dwelling and that the same will be occupied by the owner for at least one year, and the

owner shall personally purchase all material and perform all labor in connection therewith, and provided that all workmanship, methods, and materials shall meet the requirements of this article.

**B.** Contractors shall become registered by applying to the Electrical Official. Upon satisfactory compliance with this section the Electrical Official shall issue a Certificate of Registration authorizing the applicant to engage in such business during the fiscal period for which it is issued.

**1.** Applications for registration of an electrical contractor shall not be taken unless submitted with the proper fee as prescribed in Chapter 14 (licenses and permits), of the Urbana Code of Ordinances.

**2. Assurances Required:** Registration as required above shall require filing with the Electrical Official a statement that such contractor shall restore the city streets, alleys, sidewalks, parking and all other city property to as good a condition as the same were before such contractor disturbed such for work performed by the contractor.

**3. Applications:** Registration shall require completion of the application upon the form approved by the Electrical Official.

**4.** The application shall specify the supervising electrician(s) responsible for the performance and/or supervision of any and all electrical work to be performed as authorized by a permit obtained by the applicant.

**5.** In the event of any change or termination of the Supervising Electrician the registered electrical contractor shall have five days in which to apply for revision of registration or to have another registered electrical contractor apply for a permit and to complete the unfinished work.

**6.** Any electrical contractor properly licensed in any other jurisdiction, where the licensing requirements of said other jurisdiction are deemed equivalent to Urbana requirements by the Electrical Official, who wishes to perform permit-required work in Urbana shall submit an application along with proof of the current license and the fee prescribed for reciprocal registration as prescribed in Chapter 14 of the Urbana Code of Ordinances.

If reciprocal registration is denied the applicant may either successfully complete the licensing requirements of a supervising electrician in Urbana or an appeal may be made within seven days of receipt of denial to the Building Safety Code Board of Appeals. The Building Safety Code Board of Appeals shall either confirm or deny registration by a majority vote.

**7.** Certificates of registration shall expire on the 30th day of June following issuance. Application for renewal shall be made by submitting the proper fee and by submitting any changes to the

original application on or before 30 days after the date of expiration. Failure to renew registration July 31 shall require submission of a new application and double the prescribed fee. Any renewal or re-registration which has been expired, revoked, suspended or otherwise invalid for a period longer than 90 days shall require re-examination of the supervising electrician.

8. Performance of permit-required electrical work without a valid registration as an electrical contractor in Urbana shall be deemed a violation of this Code.

9. Any false statement on the application for registration shall constitute fraud, and cause the registration to be null and void.

10. If in the opinion of the Electrical Official any electrical contractor registered under this Code shall have willfully or repeatedly violated any of the provisions of this Article, the Electrical Official shall refer written charges against such offending registered electrical contractor to the Building Safety Code Board of Appeals. Upon the receipt of such written charges, the Building Safety Code Board of Appeals shall within (14) calendar days after receiving same, conduct a full and fair hearing, after which, by majority vote of those present, it shall determine whether or not such registered electrical contractor's license shall be suspended or revoked by the City. In no event may a suspension exceed six (6) months. The electrical inspector shall keep a suitable record of all registrations issued and a suitable record of all suspensions or revocations by the Board.

#### **Section 90-13 Approval of the Supervising Electrician:**

A. Before any permit to install or alter electrical work shall be issued to any person entitled to secure permits under this section, such person shall appoint or employ a person, who may be himself-herself, or some other person, for the purpose of the electrical regulations of this article, who shall be known as the supervising electrician.

B. The supervising electrician shall have had at least two (2) years or four thousand (4,000) hours experience in the installation, alteration, repair and maintenance of electrical wires, equipment and apparatus, or an experience equivalent thereto. Applicants shall furnish the names and addresses of former employers, periods of time employed, and in what capacity. Proof of such service shall be furnished in a manner satisfactory to the Electrical Official. Every applicant provided for in this section shall be required to answer a reasonable number of questions in writing as determined by the Electrical Official to show that the applicant has sufficient knowledge and technical training to supervise the installation, alteration, repair and maintenance of electrical wires and apparatus authorized by permits issued by the Electrical Official. Applicants shall be required to answer to the satisfaction of the Electrical Official at least seventy (70) percent of the questions prepared by the Electrical Official. Any person denied status as a supervising electrician by



the Electrical Official may appeal the denial to the Building Safety Code Board of Appeals. The Board, following a hearing of evidence, shall confirm or reverse the Electrical Official's decision by a majority of those members present.

**C.** Examinations or re-examinations shall be administered by the Electrical Official within a reasonable time period during working hours upon a request for such and receipt of the electrical examination fee as prescribed in Chapter 14 of the Urbana Code of Ordinances.

**D.** Should an applicant fail to achieve a seventy (70) percent score on the first examination, a thirty (30) day waiting period will be required before re-examination. Should the applicant fail to achieve a seventy (70) percent score on the second examination a sixty (60) day waiting period will be required before re-examination. Failure to achieve a seventy (70) percent score on the third or any subsequent examination shall require a 180 day waiting period.

**E.** The electrical official may limit the size, scope and type of electrical work which the supervising electrician shall be authorized to perform, based upon the electrician's experience, technical education and performance on the supervising electrician examination. Such limitations shall be recorded on the Certificate of Registration(s) and shall authorize said supervising electrician to perform electrical work as follows:

1. One and two family detached dwelling electrical work.
2. Sign and/or emergency lighting installation
3. Low voltage systems
4. Air conditioning installations
5. Motor fuel dispensing systems

Appeals of limitations shall be treated the same as an appeal of denial as described in 90-13(b) of this Code.

Section 90-14 entitled, "Registration of Electronic Fire Protection Contractors" is added and reads as follows:

**Section 90-14 Registration of Electronic Fire Protection Contractors:**

**A.** A permit shall be required for the installation of electronic fire protection systems, low voltage or otherwise, including all fire alarm systems and electronic supervising components of fire suppression systems.

**B.** Contractors who install and/or maintain electronic fire protection systems shall be registered electrical contractors as proscribed in 90-12 or shall be registered as Electronic Fire Protection System Contractors.

1. The electrical official shall issue registrations as Electronic Fire Protection Systems Contractors (E.F.P.S.C.) upon submittal of an application for registration along with proof of a valid State of Illinois license to perform such work. The application shall include the supervising electrician who shall at a minimum be approved for the installation of fire alarms.

2. There shall be no fee for registration or renewal, however, the fees as described in 90-12-(6) and (7) shall be required for failure to renew registration as described in 90-12 or for performing work without registration as required above.

Section 90-15 entitled, "Fees" is added and reads as follows:

**Section 90-15 Fees:**

Fees for permits, testing, licenses and inspections shall be as prescribed in Chapter 14 (Licenses and Permits) of the Urbana Code of Ordinances.

Section 90-16 entitled, "Inspections" is added and reads as follows:

**Section 90-16 Inspections:**

All work and equipment for which a permit is obtained under this Code shall be inspected and approved by the Electrical Official. Any portion of work intended to be concealed by any permanent portion of the building or by site work shall not be concealed until inspected and approved by the official. When installation of any equipment is complete, a final inspection shall be made. Equipment regulated by this Code shall not be connected to the power supply and placed in normal operation until it complies with all applicable requirements of this Code, and a final inspection has been completed.

**A.** The Electrical Inspector may order the uncovering of any work which has been concealed and which may prevent reasonable inspection. The uncovering and subsequent repair work shall be performed at the owners of the buildings' expense and the Electrical Official shall not be held responsible for the failure of the permit holder to have the work inspected.

**B. Inspection of Annual Permits**

1. The electrical official shall make periodic inspections of sites where work is authorized by an annual permit.

2. The possessor of a valid annual electrical permit shall be responsible for maintaining a log of work and for assisting the Electrical Official in determining the work performed, within reasonable limits.

**C.** No wiring shall be concealed prior to inspection and approval. It shall be the responsibility of the contractor to request

inspection as required, also to arrange for entrance to a building and provide for removal of covers, devices, etc., as is necessary for inspection.

**D. Final Inspection:** Upon completion of the electrical work and before final approval is given, the Electrical Official shall inspect the work and observe the final test to insure compliance with the requirements of this Code.

**E. Right of Entry:** In the discharge of duties, the Electrical Official or an authorized representative shall have the authority, subject to applicable law, to enter at any reasonable hour any building, structure or premises in the city limits of Urbana, to enforce the provisions of this Code.

**Section 90-17 Workmanship:**

All work shall be conducted, installed and completed in a workmanlike and approved manner so as to secure the results intended by this Code.

**Section 90-18 Electrical Power Supply:**

It shall be unlawful for any individual, partnership, corporation, group or association to supply electricity to any electrical equipment if a permit is required for its installation unless such connection has been authorized by the Electrical Official. It shall be unlawful to make connections to equipment that has been disconnected or ordered disconnected by the Electrical Official.

Section 90-19 entitled, "Emergency Disconnections" is added and reads as follows:

**Section 90-19 Emergency Disconnections:** Any person owning or controlling electric wires or apparatus for the transmission of light, heat or power shall in case of emergency, upon the request of any official of the fire department or the Electrical Official disconnect such wires or apparatus as may be designated by such official.

Section 90-20 entitled, "Correction/Abatement of Hazards" is added and reads as follows:

**Correction/Abatement of Hazards:** When any electrical work is found by the Electrical Official to be dangerous to persons or property because it is defective or improperly installed, the person responsible for the electrical system shall be notified by the Electrical Official in writing, and required to make the necessary correction within the time specified in such written notice, and if the person shall fail to make these required corrections, the Electrical Official shall have the power and authority to disconnect or order the discontinuance of electrical service to the electrical equipment or to the entire structure; provided, upon receipt of such written notice from the Electrical Official, the person named as responsible therein shall have the right to submit an appeal to the Building Safety Code Board

of Appeals if submitted within three (3) calendar days from receipt of such written notice, provided however, that the Electrical Official shall have the authority to require immediate corrections or to order the disconnection of any electrical device or system which, in the Electrical Official's opinion, shall constitute a fire hazard or shall otherwise be unsafe to the occupants of the building.

Section 90-21 entitled, "Stop Work Orders" is added and reads as follows:

**Stop Work Orders:**

**A. Notice to Stop Work:** Upon notice from the Electrical Official that work on any building, structure or premises is being conducted contrary to the provisions of this Code or in an unsafe or dangerous manner, such work shall be immediately stopped. The stop work order shall be in writing and shall be given to the owner of the property involved, or to the owner's agent, or to the person doing the work. It shall state the conditions under which electrical work may be resumed.

**B. Unlawful Continuance:** Any person who shall continue any work in or about the structure 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 a violation of this Code.

**Section 90-22 Violations:**

**A. Unlawful Acts:** It shall be unlawful for any person, firm or corporation to erect, construct, alter, repair, remove, demolish or operate electrical equipment regulated by this Code, or cause same to be done, in conflict with or in violation of any of the provisions of this Code.

**B. Notice:** The Electrical Official shall serve a notice of violation or order on the person responsible for the extension, repair, removal, demolition or operation of electrical equipment or systems in violation of the provisions of this Code, or in violation of a detail statement or a plan approved thereunder, or in violation of a permit issued under the provisions of this Code. Such order shall direct the discontinuance of the illegal action or condition and the abatement of the violation.

**C. Penalties:** Any person who shall violate a provision of this Code or shall fail to comply with any of the requirements thereof or who shall erect, construct, alter or repair electrical equipment or systems in violation of an approved plan or directive of the Electrical Official, or of a permit issued under the provisions of this Code, shall be subject to the penalties prescribed in Section 1-10 of the Urbana Code of Ordinances.

**D. Service:** Such notice shall be deemed to be properly served upon such owner if a copy thereof is delivered to the owner personally

or by certified mail. If the person to be served is not personally served or fails or refuses to receipt the certified mail containing said service within ten (10) days, the Code Official shall do each of the following:

1. Send an exact copy of the notice which was addressed to each of the persons to be served to the person who last paid the general taxes on the parcel upon which the building is located at such person's address as shown by the records of the county collector of Champaign County;

2. Post in a conspicuous place on the premises where the violation exists, a copy of the notice; and

3. Shall cause to be published one time in a newspaper of general daily circulation in the City of Urbana, a copy of the notice so posted.

**Section 90-23:**

The appeal of any provision of this Code or any requirement or action by the Electrical Official shall be heard by the Building Safety Code Board of Appeals.

Article 120 entitled, "General Rules for Electrical Installations" is added and reads as follows:

**Article 120 - Urbana, IL. General Rules for Electrical Installations**

Section 120-1 is added and reads as follows:

**Section 120-1:**

The following rules shall apply to all electrical work and materials within the corporate limits of Urbana, Illinois, and shall apply specifically where other requirements in this Code conflict or are less stringent.

Section 120-2 entitled, "Classification of Wiring" is added and reads as follows:

**Section 120.2 Classification of Wiring:**

**A.** All wiring, above fifty (50) volts used for light, heat, or power shall be classified as "A" or "B".

**B. Definitions**

1. Class "A" wiring shall generally include conductors installed in approved raceways but shall specifically exclude cable types: AC, NM, NMC, SNM, SE, USE and UF.

2. Class "B" wiring shall be all wiring which is not class "A".

C. Class "A" wiring shall be used for new construction and rewiring in all buildings or structures of all USE GROUPS except R-3, R-4 and accessory buildings to R-3 and R-4 (as defined by the BOCA Basic/National Building Code 1987).

**EXCEPTION:** Within Use Group R-2, rooming houses with occupancy of less than fifteen (15) persons and apartment buildings when less than four stories in height.

**EXCEPTION:** Where special permission is granted as permitted in section 90-9 of this Code.

Section 120-3 entitled, "Heating Units/Roof Top Appliances" is added and reads as follows:

**Section 120-3 Heating Units/Roof Top Appliances:** In all buildings or structures, a separate disconnect shall be installed for each furnace or combustion heating unit. The disconnect shall be provided in sight and within reach of the unit in addition to any disconnecting means provided at the branch panel. In new construction or rewiring, a separate circuit shall be provided.

Section 120-4 entitled, "Ground Fault Receptacles" is added and reads as follows:

**Section 120-4 Ground Fault Receptacles; where required:**

A. All new construction, residential and commercial.

1. All fifteen (15) and twenty (20) amp 120 volt convenience receptacles installed outdoors at grade level shall be GFCI protected.

B. In new residential construction.

1. At least two weatherproof duplex receptacles, properly grounded and GFCI protected shall be installed on each new one- or two-family residence on opposite sides of the residence as near as possible front and rear and for each unit of a multi-family dwelling at grade level.

2. At least one wall receptacle outlet shall be installed in each bathroom adjacent to the basin location in all residential occupancies. The total bathroom circuit(s) in each bathroom shall be GFCI protected.

**EXCEPTION:** Permanently installed electric resistance heating equipment does not require GFCI protection.

C. Existing residential buildings:

1. Any bathroom which does not have a grounded receptacle shall require the installation of a GFCI protected receptacle. This receptacle is to be located adjacent to the basin location.

2. Any rewiring shall require that all electrical fixtures, equipment, outlets, and devices shall be GFCI protected, as required for new construction, where such equipment or device is within arm's reach of the lavatory or bathtub/shower unit.

3. Any rewiring shall require all 120 volt single phase 15 or 20 amp receptacles located within six feet of a kitchen sink at a countertop surface be GFCI protected.

4. Any rewiring shall require at least one GFCI protected receptacle to be installed in a basement.

Section 120-5 entitled, "Requirements for Rewiring Existing Residences" is added and reads as follows:

**Section 120-5 Requirements for Rewiring Existing Residences:**

A. For the purposes of this section, installation of a new service shall constitute rewiring.

B. The electrical system shall comply with all requirements for new construction and shall specifically comply with Article 210 of this Code except as follows:

1. Every habitable space in a dwelling unit, and every guest room shall contain at least two separate and remote duplex receptacle outlets. Where such spaces are larger than 150 square feet an additional remote duplex receptacle outlet shall be required for each additional 50 square feet or fraction thereof, above 150 square feet.

2. Every mechanical room shall have at least one receptacle.

**EXCEPTION:** Small mechanical rooms or equipment closets where a receptacle is located within ten feet of such room's entrance.

3. Every public hall, interior stairway, water closet compartment, bathroom, kitchen, laundry room and furnace room shall be adequately illuminated. At least one electrical light fixture shall be provided with a wall switch (or pull switch were approved by the Electrical Official).

4. Exterior lighting of entrance ways for all residential buildings shall be required and shall comply with Section 623.11 of the BOCA Basic/National Building Code, 1987.

5. Refer also to section 120.4 above for requirements regarding ground fault protection.

6. Existing exposed knob and tube wiring and it's associated fixtures shall be abandoned and the affected circuits rewired accordingly. All outlet connections shall be contained within an approved box.

Section 120-6 entitled, "Additional Load on Existing Service" is added and reads as follows:

**Section 120-6 Additional Load on Existing Service:** It shall be the responsibility of the contractor or other authorized person adding additional circuits or equipment to existing services to determine beforehand if the service is of sufficient size and capacity to carry such additional load according to the rules established under other sections of this article, and if not, it shall be unlawful to make the addition until the service has been increased to required size.

Section 120-7 is added to read as follows:

**Section 120-7.** All existing and new residential services shall comply with the following:

**A.** New residential service capacity shall not be less than one hundred-ampere, eight-circuit, three-wire, 120/240 volt for residences less than six hundred twenty-five (625) square feet of floor space; one hundred-ampere, twenty-circuit, three-wire, 120/240 volt for residences six hundred twenty-five (625) to two thousand (2,000) square feet of floor space; two hundred-ampere, thirty-circuit, three-wire, 120/240 volt for residences two thousand (2,000) square feet or more of floor space. Existing sixty-ampere services serving single-family residences shall be replaced if the load is in excess of ten (10) kilowatts as computed in accordance with this Code.

**B.** For the purpose of applying subsection (a), basements are not included in square footage area of floor space, unless occupied by one or more sleeping rooms, apartments, or places of business, in which case they are to be figured at one-half area per square foot. For purposes of interpretation, square footage is to be calculated from outside dimensions of building or structure, less garages, open porches, and breezeways, except as herein provided.

Article 215, Section 215-2 of the National Electrical Code, 1987 is amended by adding "(c)" to read as follows:

**Section 215-2:**

**C.** Feeder conductors shall have an ampacity rating equal to or greater than the rating of the fused disconnect switch supplied by the feeder. Feeders employing circuit breakers, as overcurrent protection, shall have an ampacity equal to or greater than the rating of the device, not excluding the requirements of Section 240-3 and Article 430.

**EXCEPTION:** As allowed under Section 90-9.

Article 230, Section 230-43 of the National Electrical Code 1987 is amended to read as follows:

**Section 230-43 Wiring Methods for 600 Volts, Nominal or Less:** Service entrance conductors shall be installed in accordance with the applicable requirements of this Code covering the type of wiring



method used and limited to the following methods: (1) rigid metal conduit; (2) intermediate metal conduit; (3) electrical metallic tubing; (4) wireways; (5) auxiliary gutters.

**EXCEPTION:** Rigid non-metallic conduit shall be permitted for underground service installations and service raceways beyond the meter enclosure or current transformer enclosure, provided all portions of raceway are constructed with rigid non-metallic conduit.

Approved cable tray systems shall be permitted to support cables approved for use as service-entrance conductors. See Article 318.

Article 230, Section 230-70(a) of the National Electrical Code 1987 is amended to read as follows:

**Section 230-70:**

**A. Location.** The service disconnecting means shall be installed either inside or outside of a building or other structure at a readily accessible location nearest the point of entrance of the service conductors. The service disconnecting means shall not be located more than twenty-five feet of conductor length from the point of service.

Article 300, Section 300-13 of the National Electrical Code 1987 is amended by adding "(c)" to read as follows:

**Section 300-13:**

**C.** Automatic pressure type connections are not approved for the connection of snap switches and receptacles.

Article 310, Section 310-2(b) of the National Electrical Code 1987 is amended to read as follows:

**Section 310-2:**

**B. Conductor Material:** Conductors in this article shall be copper unless otherwise specified.

**EXCEPTION #1:** Underground service entrance conductors may be aluminum or copperclad aluminum.

**EXCEPTION #2:** As allowed under Section 90-9.

Article 310, Section 310-5 of the National Electrical Code 1987 is modified to read as follows:

**Section 310-5:** Table 310-5 Voltage rating of conductors up to 2000 volts shall be (minimum) #12 copper (AWG) - #14 and aluminum or copper clad aluminum not permitted.

Article 333, Section 333-4 of the National Electrical Code 1987 is amended to read as follows:

**Section 333-4 Construction:** Type AC cable shall be an approved cable with acceptable metal covering. The insulated conductors shall conform with Section 333-5.

Type AC cables are branch-circuit and feeder cables with armor of flexible metal tape. Cables of the AC type, except ACL, shall have an internal bonding strip of copper in intimate contact with the armor for its entire length.

Article 334, Section 334-23 of the National Electrical Code 1987 is amended to read as follows:

**Section 334-23 Grounding.** Type MC cable shall contain an individual grounding conductor to provide an adequate path for equipment grounding as provided by Article 250.

Article 351, Section 351-9 of the National Electric Code 1987 is amended to read as follows:

**Section 351-9 Grounding.** Liquidtite flexible metal conduit is not approved as a grounding means.

Article 352, Section 352-9 of the National Electrical Code 1987 is added and reads as follows:

**Section 352-9 Grounding:** Metal surface raceways are not approved as a grounding means.

Section 4 entitled, "Saving Clause," is added and reads as follows:

**Section 4 Saving Clause:** That nothing in this Ordinance or in the National Electrical Code hereby adopted shall be construed to affect any suit or proceeding impending in any court, or any rights acquired, or liability incurred, or any cause or causes of action acquired or existing, under any act or ordinance hereby repealed as cited in Section 1 of this Ordinance; nor shall any just or legal right or remedy of any character be lost impaired or affected by this Ordinance.

## ARTICLE VII PLUMBING CODE

**Section 1 Adoption of the 1987 BOCA National Plumbing Code, 7th edition:** The 1987, 7th edition BOCA National Plumbing code as promulgated and published by Building Officials and Code Administrators International, Inc., is hereby adopted as the plumbing code of the City of Urbana, Illinois; for the control of buildings and structures as herein provided; and each and all of the regulations, provisions, penalties, conditions and terms of the said BOCA National Plumbing Code are hereby referred to, adopted and made a part hereof as if fully set out in this ordinance, with the additions, insertions, deletions and changes prescribed in Section 3 of this ordinance.

**Section 2 Effect of State Law:** The adoption of the 1987 BOCA National Plumbing Code herein pursuant to home rule powers is not intended to negate any state statute on the same subject except insofar as the article imposes a more stringent requirement or standard than does the state statute. Specifically, where differences occur between the 1987 BOCA National Plumbing Code and the 1986 State of Illinois Plumbing Code, the code rule that, in the opinion of the Mechanical/Plumbing Official, provides the greater protection to the public's safety, health and property shall apply.

**Section 3 Additions, modifications, deletions and substitutions:** The following sections and subsections of the 1987, 7th edition, BOCA National Plumbing Code are amended or changed as defined hereinafter.

Subsection P-100.1 entitled, "Title," is amended to read as follows:

**Subsection P-100.1: Title:** These regulations shall be known as the Plumbing Code of the City of Urbana. Any and all references in the building code or any other ordinance of the City of Urbana which references a plumbing code shall reference this plumbing code, hereinafter referred to as "this code".

Subsection P-101.4 entitled, "Referenced Standards," is amended to read as follows:

**Subsection P-101.4 Referenced Standards:** In the absence of provisions not specifically contained in this code or approved rules, the regulations, specifications and standards listed in Appendix A, (as amended), shall be deemed to represent accepted plumbing practice with respect to the materials, equipment, systems or methods of construction therein specified and shall serve as the enforceable codes, regulations and standards governing plumbing systems and installations. Where differences occur between provisions of this Code and referenced standards, the provisions of this Code shall apply, except as provided in Section 2 of this Ordinance.

Subsection P-104.1 entitled, "Continuation," is amended and reads as follows:

**Subsection 104.1 Continuation:** The legal use and occupancy of any structure existing on the effective date of this code, or for which it

had been heretofore approved, shall be continued without change except as shall be specifically covered in this code.

Subsection P-109.1 entitled, "General," is amended to read as follows:

**Subsection P-109.1 General:** The term "code official," as used in this code, shall refer to the Mechanical/Plumbing Official.

Subsection P-110.7 is deleted.

Subsection P-111.10 entitled, "Application for Right-of-Way Work," is added and reads as follows:

**Subsection P-111.10 Application for Right-of-Way Work:** City Engineering Department approval shall accompany an application for any plumbing work in the right-of-way and/or any sanitary or storm sewer connections regardless of location.

Subsection P-111.11 entitled, "E.P.A. Permit," is added and reads as follows:

**Subsection P-111.11: E.P.A. Permit:** An application for sanitary sewer connection shall be accompanied by an E.P.A. permit where required by state law or sanitary district regulations.

Subsection P-112.1.1 entitled, "Separate Permits Required," is added and reads as follows:

**Subsection P-112.1.1 Separate Permits Required:** A permit shall authorize plumbing work to be performed at only one address. Each structure, building, parcel or address shall require a separate permit.

Subsection P-112.8 entitled, "Private Sanitary Disposal Permits," is added and reads as follows:

**Subsection P-112.8 Private Sanitary Disposal Permits:** A permit for a private sanitary disposal system shall not be issued by this department until proper approval and the required permits have been obtained as required by state law and Chapter 24 of the Urbana Code of Ordinances.

Subsection P-112.9 entitled, "Excavation Permit," is added and reads as follows:

**Subsection P-112.9 Excavation Permit:** A permit for work within the right-of-way and/or for the connection of any storm or sanitary sewer to a public system, shall not be issued until approval from the City Engineer has been documented.

Subsection P-112.10 entitled, "Permit Denial," is added and read as follows:

**Subsection P-112.10 Permit Denial:** The Plumbing Official shall have the authority to deny issuance of a plumbing permit to any applicant who is delinquent with respect to permits and notices previously issued to applicant.

Subsection P-114.2 entitled, "Fees," is amended and reads as follows:

**Subsection P-114.2 Fees:** The application for a plumbing permit shall be submitted along with the prescribed fees as published in Chapter 14 (licenses and fees) of the Urbana Code of Ordinances.

Subsection P-114.3 entitled, "Water Heating Equipment Permit Fees," is added and reads as follows:

**Subsection P-114.3 Water Heating Equipment Permit Fees:** Water heating equipment which is defined as a "water heater" by the mechanical ordinance, shall be subject to the plumbing fee schedule and water heating equipment which is defined as a hot water supply boiler or hot water heating boiler shall be subject to the mechanical fee schedule as prescribed in (Chapter 14 of the Urbana Code of Ordinances).

Subsection P-115.4 entitled, "Waste Retention and Disposal," is added and reads as follows:

**Subsection P-115.4 Waste Retention and Disposal:** The Mechanical/ Plumbing Official shall have the authority, subject to applicable law, to inspect at any reasonable time, any waste separator, serving any structure, to ensure that proper waste retention and disposal operations are being maintained.

Subsection P-117.4 entitled, "Penalties," is amended and reads as follows:

**Subsection P-117.4 Penalties:** Any person who violates any provision of this code or shall fail to comply with any of the requirements thereof or who shall erect, construct, alter, install, or repair plumbing equipment or systems in violation of this code shall be subject to the penalties as prescribed in Section 1-10 of the Urbana Code of Ordinances.

Subsection P-118.2 entitled, "Unlawful Continuance," is amended and reads as follows:

**Subsection P-118.2 Unlawful Continuance:** Any person who shall continue any work in or about the structure after having been served with a stop work order, except such work as that person is directed to perform to remove a violation or unsafe condition, shall be subject to penalties prescribed in Section 1-10 of the Urbana Code of Ordinances.

Subsection P-122.1.1 entitled, "Building Safety Code Board of Appeals," is added and reads as follows:

**Subsection P-122.1.1 Building Safety Code Board of Appeals:** All appeals shall be heard by the Building Safety Code Board of Appeals as prescribed in the BOCA National Building Code, 1987 as amended.

Subsections P-122.2 through P-122.7 are deleted.

Subsection P-200.5 entitled, "Mechanical/Plumbing Official," is added and reads as follows:

**Subsection P-200.5 Mechanical/Plumbing Official:** Wherever the terms "Code Official," "Administrative Authority," or "Plumbing Official" are used in this code or in codes and standards referenced by this code, they shall be held to mean the Mechanical/Plumbing Official of the Building Safety Division of the City of Urbana, Illinois, Community Development Services Department.

Subsection P-300.2 entitled, "Basic Plumbing Principles," is added and reads as follows:

**Subsection P-300.2 Basic Plumbing Principles:** The basic principles (one through twenty-three) listed in Appendix B of the 1987 BOCA National Plumbing Code shall be included and adopted as part of the enforceable text of the code.

Subsection P-303.2 entitled, "Public Systems Available," is amended and reads as follows:

**Subsection P-303.2 Public Systems Available:** A public water supply or public sewer system shall be considered available to a building when the building is located within 100 feet of the public water main or sewer.

Subsection P-902.3.1 entitled, "Water Closet Vents," is added and reads as follows:

**Subsection P-902.3.1 Water Closet Vents:** Water closet vents shall be 2" minimum pipe size.

Subsection P-906.1.1 entitled, "Wet Vent Size," is amended and reads as follows;

**Subsection P-906.1.1 Wet Vent Size:** The minimum size wet vent shall be 2-inches in diameter and shall drain a maximum of four fixture units.

Subsection P-906.2 is deleted

Subsection P-1002.6.1.1 entitled, "Sizing," is added and reads as follows:

**Subsection P-1002.6.1.1 Sizing:** All waste separators shall be sized for the application by the separator manufacturer. A written state-

ment of specifications and product performance assurance from the equipment manufacturer shall accompany all permit applications for separator installations.

Table P-1202.1 entitled, "Minimum Number of Plumbing Facilities," is amended to read as follows:

**Table P-1202.1 Minimum Number of Plumbing Facilities:** Use Group M, column "Water Closets": 1 per 125; and Use Group M, column "lavatories": 1 per 200.

Subsection P-1202.2 paragraph entitled, "Exception" is hereby amended to read as follows:

**Subsection P-1202.2:**

**EXCEPTION:** Separate employees facilities for each sex shall not be required when five or less people are employed.

Subsection P-1202.5, "Exception" is amended to read as follows:

**Subsection P-1202.5:**

**EXCEPTIONS:**

1. Customer facilities are not required in buildings with a customer occupant load of less than 100 which do not serve food or beverage.

2. Customer facilities are not required in facilities which serve food or beverage with a customer occupant load of 15 or less.

Subsection P-1206.2.1 entitled, "Urinals Required," is added and reads as follows:

**Subsection P-1206.2.1 Urinals Required:** Men's public toilet/bath rooms which require more than one water closet shall be provided with urinals. In each bathroom or toilet room, urinals shall be substituted for not more than 50% of the required water closets.

Subsection P-1215.3 entitled, "Waste Connection," is amended and reads as follows:

**Subsection P-1215.3 Waste Connection:** Domestic dishwashing machines shall discharge into a tailpiece wye of the kitchen sink trap. Commercial machines shall discharge through an air gap to a trapped fixture or hub drain.

Subsection P-1220.4 entitled, "Where Required," is added and read as follows:

**Subsection P-1220.4 Where Required:** Floor drains shall be installed as follows:

Any building or structure in which plumbing is installed having a concrete floor, basement, or concrete over a crawl space shall have at least one (1) trapped floor drain. At least one floor drain shall be located in every restroom (having masonry floor) except those for private use. Additional floor drains shall be required if the installation of fixtures, appurtenances or equipment requires the use of floor drains.

**EXCEPTIONS:**

A. HUB drains shall be provided in mechanical/utility rooms with other than concrete floors.

B. Condensate drains from cooling equipment and discharge piping from relief valves may be indirectly drained to the outdoors through a conduit system of individual or common piping. Minimum size piping shall be 1½ inch.

Subsection P-1220.5 entitled, "Installation," is added and reads as follows:

**Subsection P-1220.5 Installation:** Floor drains shall connect into a trap that is accessible, and constructed so that it can be readily cleaned and of a size to serve efficiently the purpose for which it is intended. The drain inlet shall be so located that it is, at all times, in full view.

Floor drain seals subject to evaporation shall be of the deep seal type or shall be fed by means of a priming device designed and installed for that purpose.

Subsection P-1221.3 entitled, "Drinking Fountain Equivalent," is added and reads as follows:

**Subsection P-1221.3 Drinking Fountain Equivalent:** Bar sinks may be substituted for drinking fountains when approved by the Mechanical/Plumbing Official.

Subsection P-1505.12.1 entitled, "Connection to Boilers," is amended to read as follows:

**Subsection P-1505.12.1 Connection to Boilers:** The potable water supply to the boiler shall be equipped with a double check valve device with an atmospheric vent. Where boilers have conditioning chemicals introduced into the system, the potable water connection shall be protected by an air gap or a reduced pressure principle backflow preventor.

Subsection P-1505.12.2 paragraph entitled, "EXCEPTION," is deleted

Subsection P-1505.12.3 entitled, "Connections to Automatic Fire Sprinkler Systems," is amended and reads as follows:



**Subsection P-1505.12.3 Connections to Automatic Fire Sprinkler Systems:** The potable water supply to automatic fire sprinkler systems and standpipes shall be equipped with backflow protection devices in accordance with the Illinois State Plumbing Code referenced in Appendix A.

Subsection P-1506.4.1.1 entitled, "Storage Vessels," is added and reads as follows:

**Subsection P-1506.4.1.1 Storage Vessels:** Hot water storage tanks shall be provided with temperature and pressure relief valves in accordance with P-1506.4

Subsection P-1506.5.2 entitled, "Temperature Limiting Controls," is added and reads as follows:

**Subsection P-1506.5.2 Temperature Limiting Controls:** The hot water supply to all plumbing fixtures in all building use groups shall be limited in temperature by approved thermostatic mixing valves or faucets as determined by the Mechanical/Plumbing Official in accordance with ASSE 10-16 and Section P-1503.7.

**EXCEPTION:**

A. Individual dwelling units served by individual water heaters.

B. Employee toilet rooms without showers or bathtubs that are served by individual water heaters. (Individual water heaters shall refer to heaters which serve only the fixtures contained in the single dwelling unit or employee toilet rooms.)

**Section P-1803** is deleted.

APPENDIX A: Referenced standards: is amended by adding the following:

Promulgating Agency: **CABO (Council of American Building Officials)**

Standard: 1986 edition CABO One and Two Family Dwelling Code (Chapters 20 through 25).

**1986 Illinois State Plumbing Code**

Promulgating Agency: **Illinois Department of Public Health**

Referenced in Code Section No. P-101.4, P-1505.12.3 and Urbana Ordinance, Article VII, Section 2.

Section 4 entitled, "Saving Clause," is added and reads as follows:

**Section 4 Saving Clause:** That nothing in this Ordinance or in the National Building Code hereby adopted shall be construed to affect any suit or proceeding impending in any court, or any rights acquired, or liability incurred, or any cause or causes of action acquired or

existing, under any act or ordinance hereby repealed as cited in Section 1 of this Ordinance; nor shall any just or legal right or remedy of any character be lost impaired or affected by this Ordinance.

## ARTICLE VIII MECHANICAL CODE

**Section 1 Adoption of the 1987 BOCA National Mechanical Code, sixth edition:** The 1987 BOCA National Mechanical Code, sixth edition, as published by Building Officials and Code Administrators International, Inc., is hereby adopted as the mechanical code of the City of Urbana, Illinois; for the control of buildings and structures as herein provided; and each and all of the regulations, provisions, penalties, conditions and terms of the said BOCA NATIONAL MECHANICAL CODE are hereby referred to, adopted and made a part hereof, as if fully set out in this Ordinance, with the additions, insertions, deletions and changes prescribed in Section 3 of this Ordinance.

**Section 2 Effect of State Law:** The adoption of the 1987 BOCA National Mechanical Code herein pursuant to home rule powers is not intended to negate any state statute on the same subject except insofar as this article imposes a more stringent requirement or standard than does the state statute.

**Section 3 Additions, Deletions, Modifications and Amendments:** The following sections and subsections of the 1987, 6th edition, BOCA National Mechanical Code, are amended and/or changed as defined in this ordinance, as follows:

Subsection M-100.1 entitled, "Title," is amended to read as follows:

**Subsection M-100.1 Title:** This code (as amended) shall be known as the Mechanical Code of the City of Urbana, Illinois hereinafter referred to as the Mechanical Code, or "this code".

Subsection M-100.2.1 entitled, "Expanded Scope," is added and reads as follows:

**Subsection M-100.2.1 Expanded Scope:** The applicability of this code shall be expanded to include the materials, equipment, systems and installation methods specified in the referenced standards in Appendix "E".

Subsection M-101.1 entitled, "General," is amended to read as follows:

**Subsection M-101.1 General:** The provisions of this code shall apply to all mechanical installations and their appurtenances in all buildings and structures, including those mechanical installations, systems and appurtenances that are addressed in the referenced standards in Appendix "A" and "E".

Subsection M-101.5.1 entitled, "Referenced Standards," is added and reads as follows:

**Subsection M-101.5.1 Referenced Standards:** Appendix A and E of this Code, as modified, are included as referenced standards. These referenced standards are included in the absence of provisions not specifically contained in this code and shall represent accepted Engineering practice (see M-101.5.2 Accepted Engineering Practice).

The referenced standards shall be part of the Mechanical Code of the City of Urbana and shall be considered as enforceable provisions and regulations as if fully printed in the mechanical code text.

Subsection M-101.5.2 entitled, "Accepted Engineering Practice," is added and reads as follows:

**Subsection M-101.5.2 Accepted Engineering Practice:** In the absence of provisions not specifically contained in this code or approved rules, the regulations, specifications and standards listed in Appendix A and E shall be deemed to represent accepted engineering practice with respect to the materials, equipment, systems or methods of construction therein specified and shall serve as the enforceable codes, regulations and standards governing such mechanical systems and installations.

Subsection M-109.1 entitled, "General," is amended to read as follows:

**Subsection M-109.1 General:** The position of the Mechanical/Plumbing Inspector is hereby affirmed as an inspection position within the Building Safety Division of the Department of Community Development Services and shall be designated hereinafter as the "Mechanical/Plumbing Official" for the purposes of this code. The term "Code Official," as used in this code, shall refer to the "Mechanical/Plumbing Official".

Subsection M-110.6.1 entitled, "Requirement Determination," is added and reads as follows:

**Subsection M-110.6.1 Requirement Determination:** When any particular mechanical equipment, installation, or lack thereof is not specifically addressed in this code or in any of the codes or standards referenced by this code, the Mechanical/Plumbing Official shall determine the code requirements.

Subsection M-111.1.1, Item #4, "Steam and Water Piping," is deleted.

Subsection M-112.1.1 entitled, "Separate Permits Required," is added and reads as follows:

**Subsection M-112.1.1 Separate Permits Required:** A permit shall authorize mechanical work to be performed at only one address. Each structure, building, parcel or address shall require a separate permit.

Subsection M-112.2 entitled, "Approved Plans," is deleted.

Subsection M-112.5 entitled, "Permit Denial," is added and reads as follows:

**Subsection M-112.5 Permit denial:** The Mechanical/Plumbing Official shall have the authority to deny issuance of a mechanical permit to any applicant who is delinquent with respect to permits and notices previously issued to applicant.

Subsection M-114.2 entitled, "Periodic Inspections," is deleted.

Subsection M-114.3 entitled, "Fee Schedule," is amended to read as follows:

**Subsection M-114.3 Substitute: Fee Schedule:** The fees for all mechanical work shall be as prescribed in Chapter 14 in the Urbana Code of Ordinances.

Subsection M-115.2.1 entitled, "Final Testing," is added and reads as follows:

**Subsection M-115.2.1 Final Testing:** When approved by the Mechanical Official, the contractor may submit evidence of final testing, in a form approved by the mechanical official, as an alternative to actual observation of final testing by the Mechanical Official.

Subsection M-117.4 entitled, "Penalties," is amended to read as follows:

**Subsection M-117.4 Penalties:** Any person who violates any provision of this code or shall fail to comply with any of the requirements thereof or who shall erect, construct, alter or repair mechanical equipment or systems in violation of this code shall be subject to the penalties as prescribed in Section 1-10 of the Urbana Code of Ordinances.

Subsection M-118.2 entitled, "Unlawful Continuance," is amended to read as follows:

**Subsection M-118.2 Unlawful Continuance:** Any person who shall continue any work in or about the structure after having been served with a stop work order, except such work as that person is directed to perform to remove a violation or unsafe condition, shall be subject to penalties prescribed in Section 1-10 of the Urbana Code of Ordinances.

Subsection M-119.1 entitled, "Approval," is deleted.

Subsection M-122.1.1 entitled, "Board of Appeals," is added and reads as follows:

**Subsection M-122.1.1 Building Safety Code Board of appeals:** All appeals shall be heard by the Building Safety Code Board of Appeals as referenced in the BOCA National Building Code, 1987, as amended.

Subsections M-122.2 entitled, "Membership of Board," through M-122.7 entitled, "Court review," are deleted.

Subsection M-200.5 entitled, "Mechanical/Plumbing Official," is added and reads as follows:

**Subsection M-200.5: Mechanical/Plumbing Official:** Wherever the terms "Code Official," "Authority Having Jurisdiction," or "Administrative Authority" are used, (in this code or in referenced codes and stan-

dards), they shall be held to mean the Mechanical/Plumbing Official of the Building Safety Division of the City of Urbana, Community Development Services Department.

Subsection M-306.3 entitled, "Screens," is added and reads as follows:

**Subsection M-306.3 Screens:** Screens shall have a square mesh no smaller than 1/4 inch.

Subsection M-307.5 entitled, "Ventilation Control," is added and reads as follows:

**Subsection M-307.5 Ventilation Control:** Where mechanical ventilation is required, automatic controls shall be provided so that minimum air circulation, outdoor air intake and exhaust air discharge shall be maintained continuously during periods of occupancy. Timers, continuous operation, or approved interlocks may be used to satisfy this requirement.

Subsection M-401.3 entitled, "Fuel-Burning Equipment," is added and reads as follows:

**Subsection M-401.3 Fuel-Burning Equipment:** All fuel-burning heating equipment, both newly installed and existing, shall be equipped with an approved supervised pilot/ignition assembly (flame safeguard).

Subsection M-405.4 entitled, "Equipment on Roofs," is added and reads as follows:

**Subsection M-405.4 Equipment on Roofs:** A roof on which mechanical equipment is to be installed shall be capable of supporting the additional weight and dynamic action loads.

Subsection M-406.1.1 entitled, "Sleeping Rooms," is added and reads as follows:

**Subsection M-406.1.1 Sleeping Rooms:** Gas-fired or liquid fuel-fired equipment and appliances shall not be made accessible from sleeping rooms, bathrooms or any habitable rooms with doors normally kept closed unless otherwise approved by the mechanical official.

Section M-409 entitled, "Furnaces and Heaters," is added.

#### **Section M-409 Furnaces and Heaters**

Subsection M-409.1 entitled, "Heat Exchangers," is added and reads as follows:

**Subsection M-409.1 Heat Exchangers:** Forced air and gravity furnace heat exchangers shall not be repaired unless approved by the Mechanical/Plumbing Official.

Subsection M-409.2 entitled, "Floor Furnaces," is added and reads as follows:

**Subsection M-409.2 Floor Furnaces:** The installation of floor furnaces is prohibited in all occupancies.

Subsection M-409.3 entitled, "Dwelling Heating," is added and reads as follows:

**Subsection M-409.3 Dwelling Heating:** Wall furnaces, through-the-wall heaters, and space heaters shall not be installed as a central heating system. Such equipment shall not serve as the primary source of heat in a dwelling unit unless otherwise approved by the Mechanical/Plumbing Official.

Subsection M-409.4 entitled, "Direct Fired Heaters," is added and reads as follows:

**Subsection M-409.4 Direct Fired Heaters:** Direct gas-fired heaters may be installed only in occupancies of use group H, S or F unless otherwise approved by the Mechanical/Plumbing Official.

Section M-609.0 entitled, "Hot Water Boilers," is added.

#### **Section M-609.0 Hot Water Boilers**

Section M-609.1 entitled, "Low Water Cut-off," is added and reads as follows:

**Section M-609.1 Low Water Cut-off:** All hot water heating boilers and hot water supply boilers shall be protected with a low water cut-off control. The low water cut-off control shall automatically stop the combustion operation of the equipment when the water level drops below the safe water level as established by the manufacturer.

**EXCEPTION:** 1. Direct fired potable water storage (tank) type heating equipment; 2. Boilers with forced circulation supervision (flow switch protection)

Subsection M-609.2 entitled, "High Temperature Limit Controls," is added and reads as follows:

**Subsection M-609.2 High Temperature Limit Controls:** All hot water heating boilers and hot water supply boilers shall be equipped with an auxiliary high limit aquastat in addition to the high limit device supplied by the manufacturer. The auxiliary control shall limit the water temperature to the maximum for the application.

Subsection M-609.3 entitled, "Potable Water Heating Equipment," is added and reads as follows:

**Subsection M-609.3 Potable Water Heating Equipment:** Direct-fired storage water heaters and direct-fired heat exchanger (non-storage) water heaters that do not exceed any of the following criteria shall be considered as "WATER HEATERS";

- A. Maximum operating pressure: 160psig
- B. Maximum operating temperature: 180°F

- C. Maximum storage capacity: 120 gallons
- D. Maximum heat input: 200,000 BTU/HR

Potable water heating equipment which exceeds any of the above shall be considered as "Hot Water Supply Boilers" and shall comply with the adopted standards for such equipment.

Subsection M-609.4 entitled, "Swimming Pool Heaters," is added and reads as follows:

**Subsection M-609.4 Swimming Pool Heaters:** Pool heaters and similar use heaters shall be considered as hot water heating boilers and shall comply with the adopted standards for such equipment.

Subsection M-804.3 entitled, "Overpressure Protection," is added and reads as follows:

**Subsection M-804.3 Overpressure protection:** When the fuel gas supply pressure exceeds the maximum working pressure of the connected (downstream) gas utilization equipment, the connected equipment shall be protected against overpressure by two approved devices, both of which must fail simultaneously in order to overpressurize the downstream system. Two approved overpressure protection devices shall be: redundant pressure regulators in series or a single pressure regulator with an independent relief valve installed downstream of regulator.

Subsection M-805.5 entitled, "Piping Through Foundation Walls," is amended to read as follows:

**Subsection M-805.5 Piping Through Foundation Walls:** Gas piping shall enter a building at a minimum of 6" above grade. Gas piping shall not be installed under or in a slab floor or below grade (underground) through the foundation or basement wall of a building.

Subsection M-807.4 entitled, "Piping in Concealed Locations," is amended to read as follows:

**Subsection M-807.4 Piping in Concealed Locations:** Portions of a gas piping system installed in concealed locations shall not have unions, tubing fittings, running threads, right and left couplings, bushings, non-tapered thread couplings, swing joints, valves or devices.

Subsection M-807.6 entitled, "Unused Gas Piping," is added and reads as follows:

**Subsection M-807.6 Unused Gas Piping:** Gas piping which is no longer in use shall be disconnected at its source of supply. The supply shall be permanently capped or plugged.

Subsection M-810.1 entitled, "Gas Connections," is amended to read as follows:

**Subsection M-810.1 Gas Connections:** Gas appliances and equipment shall be connected by rigid pipe. A union shall be installed between



the appliance and the appliance shut-off valve. All appliance/equipment gas connections shall be equipped with a drip leg (dirt trap) placed at the appliance or equipment point of connection. The drip leg/trap shall not connect to the side outlet of a tee fitting.

**EXCEPTION:** Approved, listed, flexible connectors shall be used when the connected appliance is subject to vibration and/or is easily moved, (e.g. domestic gas cook stove, domestic gas clothes dryer).

Subsection M-810.3 entitled, "Commercial Equipment," is added and reads as follows:

**Subsection M-810.3 Commercial Equipment:** Commercial cooking equipment, (other than single family dwelling), and other commercial/industrial gas-fired equipment shall be connected with approved, listed, commercial type, fuel gas hose connectors.

**EXCEPTION:** Large equipment which cannot easily move or vibrate may be connected with rigid pipe.

Subsection M-810.4 entitled, "Coupler Valves," is added and reads as follows:

**Subsection M-810.4 Coupler Valves:** Gas-fired equipment which is easily or routinely moved, or is equipped with wheels or casters shall be equipped with an approved (quick-disconnect) coupler valve.

Subsection M-1201.2 entitled, "Unvented Appliances," is amended to read as follows:

**Subsection M-1201.2 Unvented Appliances:** 1. Unvented gas-fired or liquid fuel-fired heating equipment designed for permanent installation shall be prohibited in all occupancies except use group F; 2. Portable, unvented, liquid fuel-fired equipment use shall be restricted to single-family dwelling units.

Subsection M-1212.5 entitled, "Common Venting," is added and reads as follows:

**Subsection M-1212.5 Common Venting:** When appliances or equipment located on different floor levels connect to the same chimney/passageway or vent, the appliances or equipment and the chimney/vent shall be separated from spaces intended for occupancy. All equipment and chimney/vents shall be accessed only from outside of the occupied spaces.

Subsection M-1213.4 entitled, "Power Venting/Forced Draft Equipment Supervision," is added and reads as follows:

**Subsection M-1213.4 Power Venting/Forced Draft Equipment Supervision:** Power venting equipment shall be supervised by dual pressure controls or a single self-checking pressure control. All pressure controls shall be supplemented by a thermal cut-out device. Sail switches and centrifugal switches are not acceptable as means of supervision.

Supervision devices shall prove the existence of proper draft at the equipment/appliance flue outlet before allowing fuel combustion.

Section M-1405 entitled, "Fireplace Accessories," is added.

**Section M-1405 Fireplace Accessories**

Subsection M-1405.1 entitled, "Gas Log Lighters," is added and reads as follows:

**Subsection M-1405.1 Gas Log Lighters:** Gas log lighters are prohibited.

Subsection M-1405.2 entitled, "Gas Logs," is added and reads as follows:

**Subsection M-1405.2 Gas Logs:** Gas logs shall be listed by a nationally recognized testing laboratory and shall be approved by the Mechanical Official. When a gas log is installed in a fireplace, the fireplace damper shall be permanently removed.

Subsection M-1500.2 entitled, "Annual Inspections," is deleted.

Subsection M-1602.1.1 entitled, "Negative Pressure," is added and reads as follows:

**Subsection M-1602.1.1 Negative Pressure:** Ventilation and exhaust systems shall be designed and installed so that negative pressure from the ventilation system cannot adversely affect the flues, vents, chimneys or combustion air supply for fuel-burning equipment.

Subsection M-1603.3 entitled, "Return Air," is added and reads as follows:

**Subsection M-1603.3 Return Air:** Air from any boiler/furnace room, bath/toilet room, kitchen, trash room, janitor closet, garage, storage room or any room containing toxic, flammable, corrosive, radioactive or pathogenic materials shall not be recirculated.

Section M-2101 entitled, "Inspections," is deleted.

**APPENDIX A** entitled, "Referenced Standards," is modified as follows:

**BOCA**

ADD: All BOCA codes referenced are as modified by this ordinance.

**APPENDIX E** entitled, "Referenced Standards Listing," is added and reads as follows:

The following codes and standards are referenced by this code in sections M-100.2.1, M-101.1, M-101.5.1 and M-101.5.2. The effective edition of the standards shall be the latest edition at the time this ordinance took effect.

Promulgating Agency: **ASME** (American Society of Mechanical Engineers)

**Standard No. ASME 83:** Boiler and pressure vessel code

**Standard No. CSD-1-82:** Controls and safety devices for automatically fired boilers

Promulgating Agency: **ASNI** (American National Standards Institute Inc.)

**Standard No. A17.1-84:** Safety Code for Elevators and Escalators

Promulgating Agency: **ASHRAE** (American Society of Heating, Refrigeration and Air Conditioning Engineers, Inc.)

**Standard No. 15-78:** Safety Code for Mechanical Refrigeration

Promulgating Agency: **CABO** (Council of American Building Officials)

**Standard:** 1986 edition CABO One and Two Family Dwelling Code (Chapters 9 through 19)

Promulgating Agency: **NFPA** (National Fire Protection Association)

**Standards:** 1987 Edition National Fire Codes in their entirety

Section 4 entitled, "Saving Clause," is added and reads as follows:

**Section 4 Saving Clause:** That nothing in this Ordinance or in the National Building Code hereby adopted shall be construed to affect any suit or proceeding impending in any court, or any rights acquired, or liability incurred, or any cause or causes of action acquired or existing, under any act or ordinance hereby repealed as cited in Section 1 of this Ordinance; nor shall any just or legal right or remedy of any character be lost impaired or affected by this Ordinance.

## ARTICLE IX EXISTING STRUCTURES CODE

**Section 1 Adoption of the 1987 BOCA National Existing Structures Code, second edition:** The BOCA National Existing Structures Code/1987", second edition, as published by Building Officials and Code Administrators International, Inc., is hereby adopted as the existing structures code of the City of Urbana, Illinois, for the control of buildings and structures as herein provided; and each and all of the regulations, provisions, penalties, conditions and terms of said BOCA National Existing Structures Code are hereby referred to, adopted, and made a part hereof, as if fully set out in this Ordinance, with the additions, insertions, deletions and changes prescribed in Section 3 of this Ordinance.

**Section 2 Effect of State Law:** The adoption of the 1987 BOCA National Existing Structures Code herein, pursuant to home rule powers, is not intended to negate any State statute on the same subject except insofar as this article imposes a more stringent requirement or standard than does the state statute. Where differences occur between common provisions of this Code and any other code or standard referenced by this Code, the provisions which afford the greater degree of life safety shall apply as determined by the Existing Structures Official.

**Section 3 Additions, deletions, modifications and amendments:** The following sections and subsections of the BOCA National Existing Structures Code/1987, second edition, are amended and/or revised as defined in this Ordinance, as follows:

Section Es-100.1 entitled, "Title," is amended to read as follows:

**Section ES-100.1 Title:** This Code (as amended) shall be known as the Existing Structures Code of the City of Urbana, Illinois hereinafter referred to as the Existing Structures Code, or "this Code".

Section Es-104.2 entitled, "Relief from Personal Responsibility," is amended to read as follows:

**Section ES-104.2 Relief from Personal Responsibility:** The Existing Structures Official, officer or employee charged with the enforcement of this Code or Existing Structures Board of Appeals Member, while acting for the jurisdiction, shall not thereby be rendered liable personally, and is hereby relieved from all personal liability for any damage that may accrue to persons or property as a result of any act required or permitted in the discharge of official duties. Any suit instituted against any officer or employee because of an act performed by that officer or employee in the lawful discharge of duties and under the provisions of this Code shall be defended by the legal representative of the jurisdiction until the final termination of the proceedings. The Official of any subordinate shall not be liable for costs in any action, suit or proceeding that may be instituted in pursuance of the provisions of this Code; and any Officer of the Office of Existing Structures inspection, acting in good faith and

without malice, shall be free from liability from acts performed under any of its provisions or by reason of any act or omission in the performance of official duties in connection therewith.

Section ES-106.2.1 entitled, "Standards for Closure," is added and reads as follows:

**Section ES-106.2.1 Standards for Closure:** Any structure required to be closed shall have all unsecured windows and doors sufficiently covered with a minimum of 1/2" exterior grade plywood or similar material, fitted and nailed or screwed; doors and windows secured by wedges, hardware blocking or other suitable devices; all other exterior openings covered with a minimum of 1/2" exterior grade plywood or a maximum of 1/2" mesh screening or other similar material; and water, gas and electrical service disconnected.

Section ES-106.2.2 entitled, "Registration of Vacant Structures," is added and reads as follows:

**Section ES-106.2.2 Registration of Vacant Structures:** Any structure that has been condemned and is not in danger of structural collapse and is not under construction under a valid building permit, shall be registered with the Building Official. The structure shall be inspected for structural soundness and compliance with ES-106.2.1 and a Vacant Structure Certificate issued.

Such structure shall be re-registered every six (6) months and re-inspected as needed until such time as it is approved for occupancy or demolished under a valid demolition permit. Fees for registration and penalties for failure to comply shall be specified in Chapter 14 of the Urbana Code of Ordinances.

Section ES-107.3.1 entitled, "Service on Occupant," is amended to read as follows:

**Section ES-107.3.1 Service on Occupant:** When an order to vacate is served on an occupant other than the owner or person responsible for compliance with the condemnation order, a reasonable time to vacate after noncompliance shall be stated. Owners or persons responsible for compliance shall be required to vacate on the date set for compliance if there is failure of compliance.

Section ES-110.1 entitled, "Unlawful Acts," is amended to read as follows:

**Section ES-110.1 Unlawful Acts:** It shall be unlawful for any person, firm, or corporation to erect, construct, alter, extend, repair, remove, demolish, use or occupy any structure or equipment regulated by this Code, or maintain a vacant structure without a valid vacant structure certificate or cause same to be done, contrary to, or in conflict with, or in violation of any of the provisions of this Code.

Section ES-110.2 entitled, "Penalty," is amended to read as follows:

**Section ES-110.2 Penalty:** Any person, firm or corporation, who shall violate any provision of this Code shall, upon conviction thereof, be subject to a fine of not less than one dollar (\$1.00) nor more than two-hundred dollars (\$200.00) at the discretion of the Court. Each day that a violation continues after due notice has been served, in accordance with the terms and provisions hereof, shall be deemed a separate offense.

Section Es-111.4 entitled, "Restraining Actions," is deleted.

Section ES-111.5 entitled, "Failure to Comply," is amended to read as follows:

**Section ES-111.5 Failure to Comply:** Whenever the owner of a property fails to comply with a demolition order within the time prescribed, the Code Official shall seek a court order requiring the owner to demolish said structure and upon failure to do so within a specified time, authorizing the Code Official to cause the structure or part thereof to be razed and removed. The costs incurred shall be reimbursed as specified by State Statute.

Sections ES-111.6 entitled, "Salvage Materials," is deleted.

Section ES-112.1 entitled, "Petition," is amended to read as follows:

**Section ES-112.1 Petition:** Any person affected by any notice which has been issued in connection with the enforcement of any provision of this Code, or of any rule or regulation adopted pursuant thereto, may request and shall be granted a hearing on the matter before the Appeals Board as herein established provided that such person shall file, with the administrative secretary of the Board, a written petition requesting such hearing and containing a statement of the grounds therefore within fourteen (14) days after the day the notice was served. Any violation notice served pursuant to this Code shall automatically become an order if written petition for a hearing is not filed. The Board shall be obligated to call a public meeting within forty-five (45) days after receipt of a request for a hearing.

Section ES-112.2 entitled, "Appeals Board," is amended to read as follows:

**Section ES-112.2 Appeals Board:** There shall be created an Existing Structures Code Board of Appeals, hereafter referred to as the "Board," The Board shall have the power and shall be charged with the duty to hear and decide all appeals and variation requests. The members of the existing Property Maintenance Code Board of Appeals serving on the effective date of this Ordinance are hereby appointed to the Existing Structures Code Board of Appeals at the time that this Ordinance becomes effective, for the remainder of the term each respectively held.

Section ES-112.2.1 entitled, "Membership," is amended to read as follows:

**Section ES-112.2.1 Membership:** The Board shall consist of five (5) members who shall be appointed by the Mayor subject to confirmation of the corporate authorities. The board members shall be qualified by education and experience in the building profession and collectively shall have the duty, responsibility and authority to decide the matters referred to them by this chapter. Two (2) alternate members may be appointed, under the above procedure, who shall serve on the Board only in the absence of one or more of the regular members. Regular and alternate members shall serve for a term of three (3) years. The term of each member shall be staggered and shall expire at midnight June 30th of the year the term is to expire.

Section ES-112.2.2 entitled, "Vote," is amended to read as follows:

**Section ES-112.2.2 Officers of the Board:** The Mayor, shall designate one member to serve as chairperson, who shall hold that office until a successor is appointed. The Board shall select one of their members as the official secretary of the Board, who shall sign the minutes of the meetings of the Board. The Building Official, or a representative appointed by the Building Official, shall serve as the administrative secretary to the Board, and shall take all petitions, and shall keep all minutes, records and files of the Board.

Section ES-112.2.3 is deleted.

Section ES-112.3 entitled, "Records," is amended to read as follows:

**Section ES-112.3 Appeals:** The Board shall have the power and shall be charged with the duty to hear and decide appeals from any notice, decision or determination made by the Building Official or his authorized agent under this Code and appeals from any notice, decision or determination made by the Building Official involving existing residential buildings and made under those sections of the City's building code which specify requirements for existing residential buildings.

**Section ES-112.3.1 Variations:** The Board shall have the power and shall be charged with the duty to hear and decide requests for specific variations in the application of any provision of this Code and any provision for existing buildings in the building code in those instances involving existing residential buildings where there are practical difficulties in the way of carrying out the strict letter of the law, so that the spirit and intent of the law shall be observed and the public safety be secured and substantial justice be done. Such variation shall be for limited periods of time and the Board's decision shall be filed with the city clerk as a matter of public record. All variations granted by the Board may be filed with the county recorder of deeds as a lis pendens so as to put all new owners on notice.

**Section ES-112.3.2 Quorum:** Four (4) members of the Board shall constitute a quorum. In varying the application of any provision

applicable to an existing residential building, affirmative votes of three (3) members shall be required; in modifying or overruling a notice, decision or determination of the Building Official, affirmative votes of four (4) members shall be required. No member of the Board shall vote upon any question in which he has an interest.

Section ES-112.4 entitled, "Records," is added and reads as follows:

**Section ES-112.4 Records:** The administrative secretary to the Board shall keep a record of each meeting so that the record shows clearly decisions made by the Board.

Section ES-201.0 entitled, "Applied Meaning of Words and Terms," is modified as follows:

**Section ES-201 Applied Meaning of Words and Terms**

**Dwellings**

**Boarding, lodging or rooming house:** A building arranged or used to provide sleeping accommodations for 15 or fewer persons, including buildings where separate sleeping rooms are provided or rented on either a transient or permanent basis, with or without cooking facilities but without separate cooking facilities.

**Dormitory:** A building arranged or used to provide sleeping accommodations for more than 15 persons, in one room or in a series of closely associated rooms under joint occupancy, with or without meals but without individual cooking facilities, including college dormitories, fraternities, sororities and military barracks.

**Hotel:** A building used to provide separate sleeping facilities for 16 or more guests ordinarily transient, with or without meals, but where meals are provided or sold such is furnished through the joint use of a commercial kitchen and dining facility as in the case of a cafe or restaurant. Hotels may include buildings referred to as inns, clubs, motel and hotel apartments. The authority having jurisdiction shall decide if such structure with sleeping facilities or less than 16 persons having classified as a rooming house.

**Multi-family apartment building:** A building containing more than two dwelling units.

**EXCEPTION:** Multiple single family buildings as defined in Section 910.3 of the BOCA National Building Code.

**One-family dwelling:** A building containing one dwelling unit with not more than four unrelated persons.

**Two-family dwelling:** A building containing two dwelling units with not more than four unrelated persons in each unit.



**Dwelling Unit:** One (1) room or suite of two (2) or more rooms in a building, designed for and used by one (1) family for living and sleeping purposes, containing its own kitchen and bathroom facilities, and having its own independent entry/access from the exterior of the structure or from a common interior hallway.

**Family:** A basic group of one (1) or more persons related by blood, adoption or marriage, living and cooking together as a single house-keeping unit, exclusive of household servants, together with not more than three (3) additional persons not related by blood, adoption or marriage.

**Rooming House** is deleted.

Section ES-301.6 entitled, "Weeds," is amended to read as follows:

**Section ES-301.6 Weeds:** All areas shall be kept free from weeds and noxious plant growth that may be detrimental to the public health and welfare in accordance with Chapter 25, Article III of the Urbana Code of Ordinances.

Section ES-301.10 entitled, "Motor Vehicles," is amended to read as follows:

**Section ES-301.10 Motor Vehicles:** In accordance with Urbana Ordinance #8485-48 and 8687-87, no vehicle that is incapable of, or prohibited from being driven on any highway due to disrepair, disuse, or not being legally registered, nor any parts of vehicles, shall be left in view of the public for more than thirty (30) consecutive days. No vehicle shall undergo major overhaul, repair or body work in any residential area unless such work is performed in an enclosed space approved for such use.

Sections ES-301.10.1 through 301.10.2 are deleted.

Section ES-302.4.3 entitled, "Openable Windows," is amended to read as follows:

**Section ES-302.4.3 Openable Windows:** Every window, other than a fixed window, shall be easily openable and shall be held open and capable of being locked by hardware integral to the window.

Section ES-302.4.5 entitled, "Door Hardware," is amended to read as follows:

**Section ES-302.4.5 Door Hardware:** Every hinged exterior door or dwelling unit entrance door shall be of metal or solid core wood construction, 1 3/8" minimum thickness, and shall be equipped with approved single-cylinder deadbolt locking hardware. Where observation is not otherwise provided, a peepsight shall be installed in the main entrance door to each dwelling unit. Patio type doors shall have locking hardware sufficient to prevent disengagement of the active panel.

Section ES-303.3.3 entitled, "Kitchen and Bathroom Walls and Counters," is added and reads as follows:

**Section ES-303.3.3 Kitchen and Bathroom Walls and Counters:** Every toilet room, bathroom, and kitchen wall and counter surface shall be constructed and maintained so as to permit such surface to be kept in a clean and sanitary condition. Where such surface is exposed to direct contact with water it shall be substantially impervious to water.

Section ES-404.1 entitled, "Area for Sleeping Purposes," is amended to read as follows:

**Section ES-404.1 Area for Sleeping Purposes:** Every room occupied for sleeping purposes by one occupant shall contain at least 70 square feet (6.51 m<sup>2</sup>) of floor area, and every room occupied for sleeping purposes by more than one person shall contain at least 50 square feet (4.65 m<sup>2</sup>) of floor area for each additional occupant thereof.

Section ES-503.1.2 entitled, "Showers," is added and reads as follows:

**Section ES-503.1.2 Showers:** All shower enclosures and wall surfaces subject to direct exposure to water shall be constructed of smooth and nonabsorbent materials with water-tight joints, and shall be maintained so as to contain and be substantially impervious to water.

Section ES-601.3.1 entitled, "Enclosure," is added and reads as follows:

**Section ES-601.3.1 Enclosure:** All furnace/mechanical areas containing fuel-fired equipment shall have a fire resistance rated ceiling or approved sprinkler protection. All fuel-fired furnace/mechanical equipment located in occupied areas shall be enclosed by one-hour fire resistance rated wall construction.

EXCEPTION: Equipment and equipment areas exclusively serving and located in an individual dwelling unit or tenant space.

Section ES-601.6 entitled, "Fireplaces," is amended to read as follows:

**Section ES-601.6 Fireplaces:** Fireplaces and woodburning appliances shall be stable and structurally safe, and connected to approved chimneys or flues. Woodburning appliances shall be installed and maintained in accordance with the manufacturers specifications and the Mechanical Code of the City of Urbana.

Section ES-602.1.2 entitled, "Lighting Fixtures," is amended to read as follows:

**Section ES-602.1.2 Lighting Fixtures:** Every outdoor entrance, interior hallway, stairway, kitchen, water closet compartment, bathroom, laundry room, mechanical room and other spaces used for storage or containing equipment requiring servicing shall be illuminated by at least one approved electric lighting fixture.

Section ES-602.2.1 entitled, "Outlet Extensions," is added and read as follows:

**Section ES-602.2.1 Outlet Extensions:** The use of extension cords and outlet multipliers is prohibited except for temporary extensions sized appropriately for their use and such devices as may be approved by the Code Official as safe.

Section ES-701.6 entitled, "Dual Egress," is amended to read as follows:

**Section ES-701.6 Dual Egress:** Every occupiable or habitable space shall have access to not less than two (2) approved independent exits except as provided by Section 901.0.

Section ES-701.7 entitled, "Emergency Escape," is amended to read as follows:

**Section ES-701.7 Emergency Escape:** Every sleeping room located below the fourth floor shall have at least one (1) openable window or exterior door approved for emergency egress or rescue.

Section ES-801.3 entitled, "Disposal of garbage," is amended to read as follows:

**Section ES-801.3 Disposal of Garbage:** Every occupant of a structure or part thereof shall dispose of garbage in a clean and sanitary manner by placing it in provided garbage disposal facilities.

Article 9 in its entirety is amended to read as follows:

## **ARTICLE 9 HAZARD ABATEMENT IN EXISTING BUILDINGS**

Section ES-900.0 General

**Section ES-900.1 Scope:** The provisions of this article are intended to provide a reasonable degree of safety to persons occupying existing buildings that do not conform to the minimum requirements of the building code listed in Appendix A by requiring the following alterations to such existing buildings.

**Section ES-900.2 Application of Other Codes:** All alterations to an existing building which are caused directly or indirectly by the enforcement of this Code shall be done in accordance with the applicable procedures and provisions of the building, plumbing and mechanical codes and NFPA 70 listed in Appendix A.

**Section ES-900.3 Continued Maintenance:** All service equipment, means of egress devices and safeguards which are required by this article or which were required by a previous statute or another code in a building or structure when erected, altered or repaired shall be maintained in good working order. The requirements of this article are not intended to provide the basis for removal or abrogation of fire

protection and safety systems and devices in existing buildings. These requirements are intended to require that existing buildings which do not comply with these provisions be altered to provide a minimum level of safety as required herein.

**Section ES-900.4 Alternative Methods and Systems:** The provisions of this article are not intended to exclude the acceptance and approval of alternative methods and systems if such alternative methods and systems provide equivalent safety to the occupant of the existing buildings.

**Section ES-900.5 Responsibility:** The owner of the existing building or structure shall provide and maintain such facilities, equipment and systems in compliance with these requirements and the fire prevention code listed in Appendix A.

**Section ES-901.0 Means of Egress:**

**Section ES-901.1 Types of Exits:** Approved exits may include doorways, passageways, corridors, interior stairways, exterior stairways, escalators, smokeproof enclosures, ramps, horizontal exits, bridges, balconies, fire escapes and combinations thereof constructed and arranged as provided in this Code and applicable sections of the Building Code listed in Appendix A.

**Section ES-901.1.1 Exit Capacity:** The capacity of the exits serving a floor shall be sufficient for the occupant load thereof as determined by the building code listed in Appendix A.

**Section ES-901.2 Number of Exits:** Every habitable or occupiable floor level shall have access to not less than two (2) remote and independent exits:

**EXCEPTIONS:**

1. Floor levels complying with the requirements of the Building Code listed in Appendix A.
2. Any dwelling unit with an exit directly to the street or yard at ground level, or by way of an outside stair or enclosed stairway serving that unit exclusively, and not communicating with any floor below the level of exit discharge, may have a single exit.

**Section ES-901.3 Arrangement of Exits:** Where more than one exit is required, such exits shall be remote from each other and so arranged and constructed as to minimize any possibility that more than one exit may be blocked by any fire or emergency condition.

**Section ES-901.3.1 Travel Distance:** The maximum length of exit access travel shall be as specified in Section 807.5 of the Building Code. The Code Official may require a reduction of these travel distances, not to exceed 25%, where fire resistance ratings of exit access and exitway elements do not meet the requirements of the Building Code.

**Section ES-901.3.2 Dead End Travel Distance:** All corridors which serve more than one exit shall provide direct connection to such exits. The length of a dead end corridor shall not exceed 35 feet (10668 mm) in all uses except mercantile, business, industrial and storage which may have a dead end or common path of travel of up to 50 feet.

**Section ES-901.4 Exit Enclosure:** All interior exits shall be enclosed with approved assemblies.

**Section ES-901.4.1 Enclosure Rating:** Enclosures connecting not more than four floor levels shall have a fireresistance rating of not less than one-half (1/2) hour with approved opening protectives. Enclosures connecting more than four floor levels shall have a fireresistance rating of not less than one (1) hour with approved opening protectives.

**Section ES-901.4.2 Protectives:** Doors opening into exit corridors and door assemblies in exit enclosures required to have a fireresistance rating shall be self-closing or automatic closing by smoke detection, with a 20-minute fireresistance rating. All separation doors shall be constructed to resist the passage of smoke and shall be equipped with closing and latching hardware.

**EXCEPTIONS:**

1. 1 3/4" solid bonded wood core doors may be approved in place of a labeled 20-minute fireresistance door.
2. Existing non-rated room doors in buildings of use group R-2 protected by an approved supervised automatic alarm system may remain until normal maintenance requires their replacement.
3. Non-rated assemblies opening onto a corridor may remain in buildings equipped with approved corridor or full fire suppression systems, and where the Building Code allows a corridor fireresistance rating of less than one-half hour.

**Section ES-901.5 Emergency Escape:** Every sleeping room below the fourth story in buildings of use group R and I-1 shall have at least one (1) approved emergency escape window or door subject to the requirements and exceptions of Section 809.4 of the Building Code.

**Section ES-901.6 Fire Escape Stairs:** Fire escape stairs may be used as an element of required means of egress, subject to the requirements and limitations of Section 821.0 of the Building Code and Table ES-901.6. Fire escape stairs shall be exposed to the smallest number of door and window openings possible.

**Section ES-901.6.1 Access:** Access to a fire escape stair shall be directly to a balcony, landing or platform. These shall be no higher than the floor or window sill level and no lower than 8 inches below the floor level nor 18 inches below the window sill.

TABLE ES-901.6

	Fire Escape Stairs New	Fire Escape Stairs Previously Approved
Minimum widths	22 in (55.9 cm) clear between rails	18 in (45.7 cm) clear between rails
Minimum horizontal dimension any landing or platform	22 in (55.9 cm) clear	18 in (45.7 cm) clear
Maximum riser height	9 in (22.9 cm)	12 in (30.5 cm)
Minimum tread, exclusive of nosing	9 in (22.9 cm)	9 in (22.9 cm)
Minimum nosing or projection	1 in (2.5 cm)	No requirement
Construction	Compliance with Section 821.3 of the Building Code	Same
Winders	None	Permitted subject to capacity penalty
Risers	None	No requirement
Spiral	None	Permitted subject to capacity penalty
Maximum height between landings	12 ft (3.7 m)	Same
Headroom, minimum	6 ft 8 in (203 cm)	Same
Handrail height	42 in (107 cm)	Same
Access to escape	Door or Casement windows 24 in x 6 ft 6 in (61 cm x 198 cm) or double hung windows 30 in x 36 in (76 cm x 91 cm) clear opening	Windows

Level of access opening	Not over 12 in (30.5 cm) above floor, steps if higher	Same
Discharge to ground	Swinging stair section permitted if approved by authority having jurisdiction	Swinging stair, or ladder if approved by authority having jurisdiction
Capacity, number of persons	45 per unit, if access by door; 20 if access by climbing over windowsill	10; if winders or ladder from bottom balcony, 5; if both, 1

**SECTION ES-902.0 SHAFTS**

**Section ES-902.1 Enclosure:** All vertical shafts shall be enclosed as required by Section 915.0 of the Building Code.

**SECTION ES-903.0 ILLUMINATION AND SIGNS**

**Section ES-903.1 Egress Illumination:** All means of egress shall be equipped with artificial lighting in accordance with the requirements for new buildings in the Building Code listed in Appendix A. Emergency lighting shall be provided in accordance with Table ES-903.1 and when required shall be installed and maintained in an approved manner.

**Section ES-903.2 Exit Signs** All exits shall be indicated with exit signs in accordance with the requirements for new buildings in the building code listed in Appendix A, except where the exit or way to reach it is immediately visible to the occupants.

**Section ES-903.3 Information Signs:** A sign shall be provided at each floor landing in all interior stairways more than three stories above grade, designating the floor level above the floor of discharge. All elevator lobby call stations on all floor levels in buildings more than 75 feet (22860 mm) above the lowest level of fire department access shall be marked with approved signs reading as follows: "Use Stairways in Case of Fire - Do Not Use Elevators"

**SECTION ES-904.0 FIRE PROTECTION SYSTEMS**

**Section ES-904.1 High Hazard Use:** All buildings and portions thereof of high hazard use as defined by the building code listed in Appendix A shall be equipped throughout with an approved automatic fire suppression system.

**TABLE ES-903.1**  
**EMERGENCY LIGHTING**

<u>Use Group</u>	<u>Where Required</u>
Use Group R	
Hotels Dormitories:	When more than 25 rooms, unless all rooms have direct exit to outside at grade level.
Apartments:	When greater than 3 stories or more than 12 units.
Rooming/Lodging:	Not required
One & Two Family:	Not required
A (assembly):	All except those used for religious worship exclusively with capacity less than 300.
E (education):	All
M (mercantile):	All except those with 3000 sf or less on a single floor level.
B (business):	When two or more stories above level of exit discharge, or when more than 100 occupants on any level above or below the level of exit discharge, or when more than 1000 occupants.
H (high hazard):	All
I (institutional):	All
S (storage) and F (factory/industrial):	All except when not normally occupied; or when occupied only during daylight hours with adequate natural illumination of all portions of means of egress.

**Section ES-904.2 Commercial Kitchen Exhaust Systems:** Commercial kitchen exhaust hood and duct systems, other than steam tables, completely enclosed ovens, cooking appliances located within a dwell-



ling unit and not used for commercial purposes and auxiliary cooking equipment that does not produce greaseladen vapors, shall be equipped with an approved automatic fire suppression system.

**Section ES-904.3 Fire Standpipes:** All buildings having floors used for human occupancy located more than four stories above grade shall be provided with standpipes according to the building code listed in Appendix A except that an automatic water supply, hose, and cabinets are not required. The standpipes shall have an approved fire department connection with hose connections at each floor level.

**Section ES-904.4 Smoke Detectors:** All residential occupancies, except owner-occupied units, shall be provided with a minimum of one approved single station smoke detector in the sleeping area, guest room or suite of a hotel, motel, lodging house, boarding house or dwelling unit. When actuated, the smoke detector shall provide an alarm suitable to warn occupants within the individual room or unit.

**Section ES-904.4.1 Tampering:** Anyone tampering or interfering with the effectiveness of a smoke detector shall be in violation of this Code.

**Section ES-904.5 Fire Alarm System:** All buildings shall be equipped with a fire alarm system as required by the building code listed in Appendix A.

**EXCEPTION:** Previously approved manual alarm systems shall be accepted as meeting this requirement.

**Section ES-904.6 Portable Fire Extinguishers:** Portable fire extinguishers shall be installed and maintained in all occupancies other than one and two family dwellings in accordance with NFPA Standard No. 10 and the Fire Prevention Code listed in Appendix A. All residential occupancies shall have a minimum 2A10BC extinguisher per floor level accessible to all occupants of that floor, except that multiple family dwellings may have a minimum of one 1A10BC extinguisher located in each dwelling unit.

## **SECTION ES-905.0 ELEVATOR RECALL**

**Section ES-905.1 Required:** All elevators having a travel distance of 25 ft (7620 mm) or more above or below the primary level of elevator access for emergency fire fighting or rescue personnel shall conform to the requirements of Rule 211.3. (Operation of Elevators Under Fire or Other Emergency Conditions), of ASME A17.1 listed in Appendix A.

## **SECTION ES-906.0 MECHANICAL EQUIPMENT CONTROL**

**Section ES-906.1 Smoke and Heat Detection:** Each recirculating air or exhaust system which serves more than one floor in buildings which exceed six stories in height shall be equipped with approved smoke and heat detection devices in accordance with the mechanical code listed in Appendix A. The devices shall stop the fan(s) automatically and

shall be of the manual reset type. Automatic fan shutdown is not required when the system is a part of an approved smoke removal or control system.

Appendix A entitled, "Referenced Standards," is modified as follows:

### BOCA

All BOCA Codes referenced are as modified by this Ordinance.

Standard reference number NBC-87 is amended as follows:

Standard reference number NBC-87 entitled, "National Building Code" is referenced in the following code sections: ES-100.5, ES-200.3, ES-201.0, ES-400.5, ES-401.2, ES-503.2, ES-505.2, ES-601.3, ES-702.4, ES-802.5, ES-900.1, ES-900.2, ES-901.1, ES-901.1.1, ES-901.2, ES-901.3.1, ES-901.4.2, ES-901.5, ES-901.6, Table 901.6, ES-902.1, ES-903.1, ES-903.2, ES-904.1, ES-904.3, ES-904.5

Standard Reference Number NFPC-87 is amended as follows:

Standard reference number NFPC-87 entitled, "National Fire Prevention Code," is referenced in the following code sections: ES-700.2, ES-702.4, ES-900.5, ES-904.6.

Standard reference number NMC-87 is amended as follows:

Standard reference number NMC-87 entitled, "National Mechanical Code," is referenced in the following code sections: ES-100.5, ES-200.3, ES-402.3, ES-601.3, ES-601.6, ES-900.2, ES-906.1

### NFiPA

Standard reference number 70-84 is amended to 70-87, entitled "National Electric Code."

Standard reference number 10-84 is added, entitled, "Standard for Portable Fire Extinguishers," referenced in code section number ES-904.6.

Section 4 entitled, "Saving Clause," is added and reads as follows:

**Section 4 Saving Clause:** That nothing in this Ordinance or in the Existing Structures Code hereby adopted shall be construed to affect any suit or proceeding impending in any court, or any rights acquired, or liability incurred, or any cause or causes of action acquired or existing, under any act or ordinance hereby repealed as cited in Section 1 of this Ordinance; nor shall any just or legal right or remedy of any character be lost impaired or affected by this Ordinance.

ARTICLE XII MOBILE HOME PARKS AND MOBILE HOMES

Sections 5-524(i)(2)-(3) entitled, "Standards for Existing Mobile Home Parks." "Mobile Home Park Maintenance and Operation Regulations," are amended to read as follows.

**Section 5-524(i) Mobile Home Park Maintenance and Operation Regulations:**

1. The mobile home park owner or caretaker shall inspect the mobile home park weekly to determine that the potable water supply, sewage treatment facilities and water and sewage service connections are functioning in a safe and sanitary manner.

2. The mobile home park owner or caretaker shall inspect the mobile home park weekly to determine that the collection of garbage and refuser, cutting of grass and weeds, the storage of lumber and construction materials, and the removal of abandoned automobiles and equipment is being performed in a satisfactory manner. The park owner or caretaker shall be responsible for the removal of any abandoned vehicle in accordance with the provisions of the Urbana Local Traffic Ordinance (#8485-48).

Section 5-524(i)(5) entitled, "Standards for Existing Mobile Home Parks." "Mobile Home Park Maintenance and Operation Regulations," is added and reads as follows:

5. The park owner or operator shall check weekly to determine that any vacant mobile home is adequately secured to prevent it from being an attractive nuisance. Upon finding such unit unsecured, the park owner or caretaker shall require the homeowner to close it, or shall take necessary measures to close it. Upon failure of any homeowner to repair or remove any unit which has been placarded as "Not Approved for Occupancy" or in cases where the homeowner cannot be determined, it shall become the responsibility of the licensee to remove the mobile home.

Section 50531(10) entitled, "Existing Structures Code," is added and reads as follows:

10. **Existing Structures Code.** In addition to the above standards, all mobile homes shall comply substantially with the provisions of the Existing Structures Code of the City of Urbana.

Section 5-535 entitled, "Saving Clause," is added and reads as follows:

**Section 5-535 Saving Clause:** That nothing in this Ordinance hereby adopted shall be construed to affect any suit or proceeding impending in any court, or any rights acquired, or liability incurred, or any cause or causes of action acquired or existing, under any act or ordinance hereby repealed as cited in Section 1 of this Ordinance; nor shall any just or legal right of remedy of any character be lost, impaired or affected by this Ordinance.

## ARTICLE XIII FIRE PREVENTION CODE

**Section 1 Adoption of Fire Prevention Code:** That a certain document, three (3) copies of which are on file in the office of the City Clerk of the City of Urbana, being marked and designated as "The BOCA National Fire Prevention Code, Seventh Edition, 1987," as published by the Building Officials and Code Administrators International, Inc. is hereby adopted as the Fire Prevention Code of the City of Urbana, in the State of Illinois; for the control of buildings and structures as herein provided; and each and all of the regulations, provisions, penalties, conditions and terms of said BOCA National Fire Prevention Code are hereby referred to, adopted and made a part hereof, as if fully set out in this ordinance with the additions, insertions, deletions and changes, if any, prescribed in Section 3 of this Ordinance.

**Section 2 Effect of State Law:** The adoption of the 1987 BOCA National Fire Prevention Code herein, pursuant to home rule powers, is not intended to negate any State statute on the same subject except insofar as this article imposes a more stringent requirement or standards than does the state statute. Where differences occur between common provisions of this Code and any other code or standard referenced by this Code, the provisions which afford the greater degree of life safety shall apply as determined by the Fire Official.

**Section 3 Additions, Modifications and Deletions:** The following sections and subsections of the BOCA National Fire Prevention Code, 1987 amended or changed in the following respects.

"Add" preceding a provision in this section means that such provision is thereby added to and made a part of the BOCA National Fire Prevention Code 1987, as though fully set forth therein at the referenced section.

"Delete" preceding a provision of this section means that such provision deletes the referenced section from the BOCA National Fire Prevention Code 1987.

"Amend" preceding a provision of this section means that such provision amends the referenced section of the BOCA National Fire Prevention Code 1987, to read as provided and that such provision is added to and made a part of such code as though fully set set forth at the referenced section number.

Section F-100.1 entitled, "Title," is amended to read as follows:

**Section F-100.1 Title:** These regulations as set forth herein shall be known as the Fire Prevention Code of the City of Urbana and are hereby referred to as such or as "this Code".

Section F-102.1 entitled, "Enforcement Officer," is amended to read as follows:

**Section F-102.1 Enforcement Officer:** It shall be the duty of the Chief of the Fire Department or his duly authorized representative to enforce the provisions of the Fire Prevention Code as set forth herein. The designated enforcement officer of this Code is referred to herein as the fire official.

Section F-103.1 entitled, "Permits Required," is amended to read as follows:

**Section F-103.1 Permits Required:** Permits shall be obtained from the Fire Official according to the local adopting legislation. Inspection or permit fees shall be stipulated in the local adopting legislation. Permits shall, at all times, be kept in the premises designated therein and shall be subject to inspection by the fire official.

Section F-103.7 entitled, "Schedule of Fees," is added and reads as follows:

**Section F-103.7 Schedule of Fees:** Any person required to obtain more than one permit as set forth above to engage, at any specifically defined-single location, in any business activity involving the handling, storage or use of hazardous substances, materials or devices; or to maintain, store or handle materials; or to conduct processes which produce conditions hazardous to life or property, or to install equipment used in connection with such activities, shall be required to pay the amounts specified in Section 14-7 of the Urbana Code of Ordinances.

Section F-104.1 entitled, "Application for Appeal," is amended to read as follows:

**Section F-104.1 Application for Appeal:** Any person shall have the right of appeal to the board of appeals from a decision of the code official. 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 equally good or better method of fire prevention is used. The application shall be filed on a form obtained from the code official within 15 days after the notice was served.

Section F-104.1.1 entitled, "Board of Appeals," is added and reads as follows:

**Section F-104.1.1 Board of Appeals:** All appeals shall be heard by the Building Safety Code Board of Appeals as referenced in the BOCA National Building Code, 1987, as amended.

**Sections F-104.2 through F-104.7 are deleted.**

Section F-105.5.1 entitled, "Violation Penalties," is amended to read as follows:

**Section F-105.5.1 Violation Penalties:** Any person, firm or corporation violating any of the provisions of this code or failing to comply with any order issued pursuant to any section hereof, shall be subject to the following penalties. Upon conviction thereof shall be fined not less than one dollar (\$1.00) nor more than two hundred dollars (\$200.00) for each offense. Each day that a violation continues, after a service of notice, shall be deemed a separate offense.

Section F-301.7.1 entitled, "Fire on Balconies and Porches," is added and reads as follows:

**Section F-301.7.1 Fires on Balconies and Porches:** Unless authorized by a written permit from the Fire Prevention Bureau, no person or persons shall kindle or maintain any open flame or live coals on any balcony or porch of any multi-family dwelling of more than two (2) units where the floor or the supporting structure of the balcony, porch or deck is in whole or part composed or constructed of wood or any other combustible material.

Section F-308.4 entitled, "Unvented Heating Equipment," is added and reads as follows:

**Section F-308.4 Unvented Heating Equipment:** Portable unvented heating appliances shall not be permitted in occupancies covered by this code.

Section F-309.1 entitled, "Hood System Required," is added and reads as follows:

**Section F-309.1 Hood System Required:** 5. Systems previously approved by the fire official.

Section F-318.0 entitled, "Fire Resistance Ratings," is added and reads as follows:

**Section F-318.0 Fire Resistance Ratings:** Floors, walls, ceilings and other elements and components required to develop a fire resistance rating or act as a smoke barrier shall be maintained so that the respective fire resistance rating of the enclosure, separation or construction is preserved.

Section F-400.4 entitled, "Alternative Methods and Systems," is added and reads as follows:

**Section F-400.4 Alternative Methods and Systems:** The provisions of this article are not intended to exclude the acceptance and approval of alternative methods and systems if such alternative methods and systems provide equivalent safety to the occupant of the existing buildings.

## SECTION F-401.0 MEANS OF EGRESS

Section F-401.1 entitled, "Types of Exits," is amended to read as follows:

**Section F-401.1 Types of Exits:** Approved exits may include doorways, passageways, corridors, interior stairways, exterior stairways, escalators, smoke proof enclosures, ramps, horizontal exits, bridges, balconies, fire escapes and combinations thereof constructed and arranged as provided in this Code and applicable sections of the Building Code listed in Appendix A.

Section F-401.1.1 entitled, "Exit Capacity," is added and reads as follows:

**Section F-401.1.1 Exit Capacity:** The capacity of the exits serving a floor shall be sufficient for the occupant load thereof as determined by the Building Code listed in Appendix A.

Section F-401.2 entitled, "Number of Exits," is amended to read as follows:

**Section F-401.2 Number of Exits:** Every habitable or occupiable floor level shall have access to not less than two (2) remote and independent exits:

### EXCEPTIONS:

1. Floor levels complying with the requirements of the Building Code listed in Appendix A.
2. Any dwelling unit with an exit directly to the street or yard at ground level, or by way of an outside stair or enclosed stairway serving that unit exclusively, and not communicating with any floor below the level of exit discharge, may have a single exit.

Section F-401.3 entitled, "Arrangement of Exits," is amended to read as follows:

**Section F-401.3 Arrangement of Exits:** Where more than one exit is required, such exits shall be remote from each other and so arranged and constructed as to minimize any possibility that more than one exit may be blocked by any fire or emergency condition.

Section F-401.3.1 entitled, "Travel Distance," is added and reads as follows:

**Section F-401.3.1 Travel Distance:** The maximum length of exit access travel shall be as specified in Section 807.5 of the Building Code. The code official may require a reduction of these travel distances, not to exceed 25%, where fire-resistance rating of exit access and exitway elements do not meet the requirements of the Building Code.

Section F-401.3.2 entitled, "Dead End Travel Distance," is added and reads as follows:

**Section F-401.3.2 Dead End Travel Distance:** All corridors which serve more than one exit shall provide direct connection to such exits. The length of a dead end corridor shall not exceed 35 feet (10668 mm) in all uses except mercantile, business, industrial and storage which may have a dead end or common path of travel of up to 50 feet (15 m).

Section F-401.4 entitled, "Exit Enclosure," is added and reads as follows:

**Section F-401.4 Exit Enclosure:** All interior exits shall be enclosed with approved assemblies.

Section F-401.4.1 entitled, "Enclosure Rating," is added and reads as follows:

**Section F-401.4.1 Enclosure Rating:** Enclosures connecting not more than four floor levels shall have a fire-resistance rating of not less than one-half (1/2) hour with approved opening protectives. Enclosures connecting more than four floor levels shall have a fire-resistance rating of not less than one (1) hours with approved opening protectives.

Section F-401.4.2 entitled, "Protectives," is added and reads as follows:

**Section F-401.4.2 Protectives:** Doors opening into exit corridors and door assemblies in exit enclosures required to have an one (1) hour fire-resistance rating, shall be self-closing or automatic closing by smoke detection with a 20-minute fire-resistance rating. All separation doors shall be constructed to resist the passage of smoke and shall be equipped with latching hardware.

**EXCEPTIONS:**

1. 1-3/4" solid bonded wood core doors may be approved in place of a labeled 20-minute fire-resistance door.
2. Existing non-rated room doors in buildings of use group R-2 protected by an approved supervised automatic alarm system may remain until normal maintenance requires their replacement.
3. Non-rated assemblies opening onto a corridor may remain in buildings equipped with approved corridor or full fire suppression systems, and where the Building Code allows a corridor fire-resistance rating of less than one-half hour.



Section F-401.5 entitled, "Emergency Escape," is added and reads as follows:

**Section F-401.5 Emergency Escape:** Every sleeping room below the fourth story in buildings of use Group R and I-1 shall have at least one (1) approved emergency escape window or door subject to the requirements and exceptions of Section 809.4 of the Building Code.

Section F-401.6 entitled, "Fire Escape Stairs," is added and reads as follows:

**Section F-401.6 Fire Escape Stairs:** Fire escape stairs may be used as an element of required means of egress, subject to the requirements and limitations of Section 821.0 of the Building Code and Table F-401.6. Fire escape stairs shall be exposed to the smallest number of door and window openings possible.

Section F-401.6.1 entitled, "Access," is added and reads as follows:

**Section F-401.6.1 Access:** Access to a fire escape stair shall be directly to a balcony, landing or platform. These shall be no higher than the floor or windowsill level and no lower than 8 in. (20.3 cm) below the floor level nor 18 in. (45.7 cm) below the windowsill.

TABLE F-401.6

	Fire Escape Stairs New	Fire Escape Stairs Previously Approved
Minimum widths	22 in (55.9 cm) clear between rails	18 in (45.7 cm) clear between rails
Minimum horizontal dimension any landing or platform	22 in (55.9 cm) clear	18 in (45.7 cm) clear
Maximum riser height	9 in (22.9 cm)	12 in (30.5 cm)
Minimum tread, exclusive of nosing	9 in (22.9 cm)	9 in (15.3 cm)
Minimum nosing or projection	1 in (2.5 cm)	No requirement
Construction	Compliance with Section 821.3 of the Building Code	Same

	Fire Escape Stairs New	Fire Escape Stairs Previously Approved
Winders	None	Permitted subject to capacity penalty
Risers	None	No requirement
Spiral	None	Permitted subject to capacity penalty
Maximum height	12 ft (3.7 m)	Same
Headroom, minimum	6 ft 8 in (203 cm)	Same
Handrail height	42 in (107 cm)	Same
Access to escape	Door or casement windows 24 in x 6 ft 6 in (61 cm x 198 cm) or double hung windows 30 in x 36 in (76 cm x 91 cm) clear opening	Windows
Level of access	Not over 12 in (30.5 cm) above floor, steps if higher	Same
Discharge to ground	Swinging stair section permitted if approved by authority having jurisdiction	Swinging stair, or ladder if approved by authority having jurisdiction
Capacity, number	45 per unit, if access by door; 20 if access by climbing over windowsill	10: if winders or ladder from bottom balcony, 5: if both

#### SECTION F-402.0 SHAFTS

Section F-402.1 entitled, "Enclosure," is amended to read as follows:

**Section F-402.1 Enclosure:** All vertical shafts shall be enclosed as required by Section 915.0 of the Building Code.

#### SECTION F-403.0 ILLUMINATION AND SIGNS

Section F-403.1 entitled, "Egress Illumination," is amended to read as follows:

**Section F-403.1 Egress Illumination:** All means of egress shall be equipped with artificial lighting in accordance with the requirements for new buildings in the Building Code listed in Appendix A. Emergency lighting shall be provided in accordance with Table F-403.1 and when required shall be installed and maintained in an approved manner.

TABLE F-403.1

EMERGENCY LIGHTING

Use_Group	Where_Required
Use Group R	
Hotel/Dormitories:	When more than 25 rooms, unless all rooms have direct exit to outside at grade level.
Apartments:	When greater than 3 stories or more than 12 units.
Rooming/Lodging:	Not required
One & Two Family:	Not required
A (Assembly):	All except those for religious worship exclusively with a capacity less than 300.
E (Education):	All
M (Mercantile):	All except those with 3000 square feet or less on a single floor level.
B (Business):	When two or more stories above level of exit discharge, or when more than 100 occupants on any level above or below the level of exit discharge, or when more than 1000 occupants.
I (Institutional):	All
S (Storage):	All except when not normally occupied.

Section F-403.2 entitled, "Exit Signs," is amended to read as follows:

**Section F-403.2 Exit Signs:** All exits shall be indicated with exit signs in accordance with the requirements for new buildings in the building code listed in Appendix A, except where the exit or way to reach it is immediately visible to the occupants.

Section F-404.1 entitled, "Fire Protection Systems," is amended to read as follows:

**Section F-404.1 Fire Protection Systems:** Approved sprinkler protection system or equivalent systems shall be installed in accordance with the appropriate NFPA standard listed in Appendix A. Systems shall be installed in the following locations:

Section F-404.1.1 High Hazard Use: All buildings and portions thereof of high hazard use shall be equipped throughout with an approved automatic fire suppression system.

Section F-404.1.2 Mercantile Occupancies:

- A. When a single story exceeds 15,000 sq. ft.
- B. Buildings that exceed 30,000 sq. ft. in gross area.
- C. Throughout stories below the floor of exit discharge when such stories have an area exceeding 2,500 sq. ft. when used for the sale, storage or handling of combustible goods and merchandise.

Section F-404.1.2.3 Windowless Areas:

- A. Windowless areas occupied by 100 or more persons shall be equipped with complete automatic sprinkler protection.
- B. Underground windowless buildings, structures and areas having combustible contents interior finish or construction shall have automatic smoke venting facilities in accordance with the BOCA Mechanical Code listed in Appendix A. Smoke venting is required in addition to automatic sprinkler protection.

Section F-404.3 entitled, "Fire Standpipes," is amended to read as follows:

**Section F-404.3 Fire Standpipes:** All buildings having floors used for human occupancy located more than four stories above grade shall be provided with standpipes according to the building code listed in Appendix A except that an automatic water supply, hose, and cabinets are not required. The standpipes shall have an approved fire department connection with hose connections at each floor level.

Section F-404.4 entitled, "Smoke Detectors," is amended to read as follows:

**Section F-404.4 Smoke Detectors:** All residential occupancies except owner-occupied units shall be provided with a minimum of one approved single station smoke detector in the sleeping area, guest room or suite of a hotel, motel, lodging house, boarding house or dwelling unit. When actuated, the smoke detector shall provide an alarm suitable to warn occupants within the individual room or unit.

Section F-404.5 entitled, "Fire Alarm System," is amended to read as follows:

**Section F-404.5 Fire Alarm System:** All buildings shall be equipped with a fire alarm system in accordance with the building code listed in Appendix A.

**EXCEPTION:** Previously approved manual alarm systems shall be accepted as meeting this requirement.

#### **SECTION F-508.0 PORTABLE FIRE EXTINGUISHERS**

Section F-408.2 entitled, "Required Portable Fire Extinguishers," is amended to read as follows:

**Section F-508.2 Required Portable Fire Extinguishers:** Portable fire extinguishers shall be provided in all buildings, structures and tenant spaces in accordance with NFPA 10 listed in Appendix A and be provided as set forth in Sections F-508.2.1 and F-508.2.2. All residential occupancies shall have a minimum 2-A;20-B,C extinguisher per floor level accessible to all occupants of that floor. Except that multiple family dwellings may have a minimum of one 1-A;10-B,C extinguisher located in each unit.

#### **SECTION F-509.0 FIRE ALARM SYSTEMS**

Section F-509.3.1 entitled, "Supervised Systems Testing," is added and reads as follows:

**Section F-509.3.1 Supervised Systems Testing:** All fire protection systems shall be tested in the presence of and shall be approved by building official and the fire official (or their authorized agents) where supervision of a system is required. No more than 90 seconds shall elapse between the time that a fire protection system device activates and notification is received by the local fire dispatching jurisdiction.

#### **SECTION F-2700.0 FIREWORKS**

Section F-2700.4 entitled, "Definition," is amended to read as follows:

**Section F-2700.4 Definition:** Fireworks shall mean and include any combustible or explosive composition, or any substance or combination of substances, or article prepared for the purpose of producing a visible or an audible effect by combustion, explosion, deflagration or detonation, and shall include blank cartridges, toy pistols, toy cannons, toy canes or toy guns in which explosives are used, the type of balloons which require fire underneath to propel the same, fire-crackers, torpedoes, skyrockets, Roman candles, dago bombs, sparklers, smoke bombs, snakes or other devices of like construction which are ignited by a match, lighter or similar open flame device and any device containing any explosive or flammable compound, or any tablets or other devices containing any explosive substance, except that the term "fireworks" shall not include auto flares, paper caps containing not in

excess of an average of .25 grain (16.2 mg) of explosive content per cap, and toy pistols, toy canes, toy guns or other devices for use of such caps, the sale and use of which shall be permitted at all times; provided; however, that items that are less than .25 grain (16.2 mg) of explosive substance, including but not limited to smoke bombs, snakes, and items which are ignited by a match, lighter or similar open flame devices shall be considered fireworks; the sale, storage and display of which shall be prohibited.

#### **SECTION F-2800.0 FLAMMABLE AND COMBUSTIBLE LIQUIDS**

Section F-2804.5.5 entitled, "Underground Tank Storage," is amended to read as follows:

##### **Section F-2804.5.5 Underground Tank Storage: ADD:**

- A. **Registration.** All underground tanks for the storage of flammable and combustible liquids shall be registered with the fire official in such form and detail as the fire official may prescribe. Said registration shall also be accompanied by a plot plan showing to scale the size, dimension, and location of all such underground storage tanks, all existing structures on the site, distances from lot lines, any existing sewer lines, and any other pertinent plan or drawings required by the fire official for evaluation of the storage.
- B. **Tri-annual testing.** Any person, firm or corporation using, maintaining and operating underground flammable liquid storage tanks shall have the tanks tested every three (3) years for tightness on or before June 1. Such testing shall be performed by person, firm or corporation duly qualified to test such underground flammable liquid storage tanks and be certified by the Bureau of Fire Prevention. The test shall be conducted during normal working hours, and an inspector of the Bureau of Fire Prevention shall be present. The test shall be for tank tightness, using the tank system tightness test Model 1000 of the Petro Tight Service Tool Division or one of equal standard. The test will be conducted to give proof of tightness to N.F.P.A. Criteria (No. 329).
- C. **Report of test results.** A report of such test results shall be made and delivered to the fire official on or before the first day of June of the year in which such is required to be conducted. If the report of these indicates that the underground storage tank is found to be in a satisfactory condition of tightness in accordance with NFIPA 329, the tank shall be approved by the fire official and a certificate of acceptability issued. If the storage tank is found defective as a result of testing, the fire official shall order the same to be removed or remedied in accordance with applicable provisions of the said BOCA Fire Prevention Code, 1987.

**APPENDIX B is deleted**

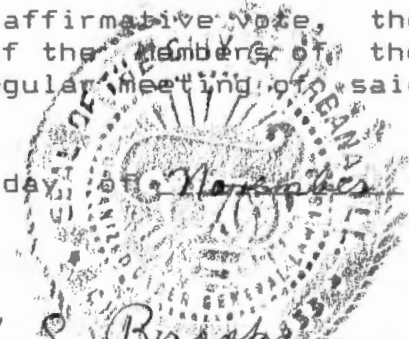
Section 4 entitled "Saving Clause," is added and reads as follows:

**Section 4 Saving Clause:** That nothing in this Ordinance or in the Fire Prevention Code hereby adopted shall be construed to affect any suit or proceeding impending in any court, or any rights acquired, or liability incurred, or any cause or causes of action acquired or existing, under any act or ordinance hereby repealed as cited in Section 1 of this Ordinance; nor shall any just or legal right or remedy of any character be lost, impaired or affected by this Ordinance.

This Ordinance shall be in full force and effect from and after its passage and publication in accordance with the terms of Section 1-2-4 of the Illinois Municipal Code.

This Ordinance is hereby passed by the affirmative vote, the "ayes" and "nays" being called of a majority of the members of the Council of the City of Urbana, Illinois, at a regular meeting of said Council on the 16th day of November, 1987.

Passed by the City Council this 16th day of November, 1987.

  
Ruth S. Brookens  
Ruth S. Brookens, City Clerk

APPROVED by the Mayor this 24<sup>th</sup> day of November, 1987.

Jeffrey T. Markland  
Jeffrey T. Markland, Mayor

CERTIFICATION OF PUBLICATION

I, Ruth S. Brookens, City Clerk, City of Urbana, Illinois, do herewith certify that I caused the above Ordinance to be duly published in pamphlet form on the 4th day of December, 1987.

Ruth S. Brookens  
Ruth S. Brookens, City Clerk

