



**SPECIAL MEETING AGENDA  
BUILDING BOARD OF APPEALS  
CITY HALL COUNCIL CHAMBERS  
109 EAST OLIVE STREET - BLOOMINGTON, IL 61701  
TUESDAY, SEPTEMBER 1, 2020 at 5:00 P.M.**

**THIS MEETING WILL BE HELD VIRTUALLY. LIVE STREAM AVAILABLE AT:  
[www.cityblm.org/live](http://www.cityblm.org/live)**

Prior to 15 minutes before the start of the meeting, 1) those persons wishing to provide public comment or testify at the meeting must register at [www.cityblm.org/register](http://www.cityblm.org/register), and/or 2) those persons wishing to provide written comment must email their comments to [publiccomment@cityblm.org](mailto:publiccomment@cityblm.org).  
Members of the public may also attend the meeting at City Hall.

Physical attendance will be limited to the lesser of 50 persons or 50% of room capacity and will require compliance with City Hall COVID-19 protocols and social distancing.

The rules for participation and physical attendance may be subject to change due to changes in law or to executive orders relating to the COVID-19 pandemic occurring after the publication of this agenda. Changes will be posted at [www.cityblm.org/register](http://www.cityblm.org/register).

- 1. CALL TO ORDER**
- 2. ROLL CALL**
- 3. PUBLIC COMMENT**

This meeting is being held virtually via live stream. Public comment will be accepted up until 15 minutes before the start of the meeting. Written public comment must be emailed to [publiccomment@cityblm.org](mailto:publiccomment@cityblm.org) and those wishing to speak live must register at <https://www.cityblm.org/register> prior to the meeting.

- 4. MINUTES**
  - A. Consideration, review and approval of Minutes of the February 4, 2020 meeting of the Bloomington Building Board of Appeals.

**5. REGULAR AGENDA**

Note, due to COVID-19 social distancing considerations, this meeting is held virtually. Those wishing to testify or comment remotely regarding a public hearing listed below must register at <https://www.cityblm.org/register> at least 15 minutes prior to the start of the meeting.

**A. BBA-1-20** Public Hearing, review and action on proposed amendments to Chapter 10 – Building Code, Chapter 15 – Electrical Code, and Chapter 34 – Plumbing Code of the Bloomington City Code related to adoption of the 2018 International Building Code (IBC), 2018 International Residential Code (IRC), 2018 International Existing Building Code (IEBC), 2018 International Fire Code (IFC), 2018 International Fuel Gas Code (IFGC), 2018 International Mechanical Code (IMC), 2018 International (Illinois) Energy Conservation Code (IECC), 2018 International Swimming Pool and Spa Code (ISPSC), the Illinois State Accessibility Code (IAC), the 2014 Illinois Plumbing Code, the 2020 National Electric Code (NEC) and other related codes.

**6. OLD BUSINESS**

**7. NEW BUSINESS**

**8. ADJOURNMENT**

**DRAFT**  
**MINUTES**  
**BLOOMINGTON BUILDING BOARD OF APPEALS**  
**SPECIAL MEETING**  
**TUESDAY, FEBRUARY 4, 2020 3:30 P.M.**  
**COUNCIL CHAMBERS, CITY HALL**  
**109 EAST OLIVE STREET**  
**BLOOMINGTON, ILLINOIS**

**MEMBERS PRESENT:** Chairperson John Meek; Mr. Mike Raikes; Mr. Mark Holderby; Mr. Jerry Kelleher; Mr. John Weber; and Mr. Jeff Brown.

**MEMBERS ABSENT:** Ms. Barbara Page, Mr. Larry Stevig, Mr. Michael Gilmore.

**OTHERS PRESENT:** Mr. Bob Mahrt, Community Development Director; Mr. Chris McAllister, Building Official.

**CALL TO ORDER:** Chairperson Meek called the meeting to order at 3:31 PM. Director Mahrt called the roll. With six members present, the Board established a quorum for the meeting.

**PUBLIC COMMENT:** Chairperson Meek called for public comments on items that were not on the meeting agenda. There were none.

**MINUTES:** The Board reviewed the minutes from the January 7, 2020 special meeting. Mr. Raikes motioned to approve the minutes. Mr. Weber seconded the motion. The minutes were approved by a voice vote 6-0.

**REGULAR AGENDA:**

- A. Discussion on proposed amendments to Chapter 10 and 15 of the Bloomington City Code related to adoption of the 2018 International Code Council (ICC) family of codes and other related codes. Specifically, the International Building Code (IBC), International Residential Code (IRC), International Existing Building Code (IEBC), International Fire Code (IFC), International Fuel Gas Code (IFGC), International Swimming Pool and Spa Code, International Mechanical Code (IMC) and the 2020 National Electric Code (NEC).**

Chairperson Meek opened the discussion and requested Director Mahrt provide an overview of the Staff Memorandum.

Director Mahrt provided an overview of the on-going discussion on the proposed update to the ICC family of codes and the NEC, along with amendments to various chapters in the City Code. He outlined the discussion items identified in the Staff Memorandum with regard to Public Outreach, Timeline, and Process for adoption of the 2018 ICC family of codes.

It was discussed that the 2018 International Swimming Pool and Spa Code is also proposed to be adopted. Previously swimming pools and spas were covered in sections of the International Building Code and International Residential Code, but is now a stand-alone code due to expanded requirements.

There was general discussion on the proposed Public Outreach efforts and the ~~the~~ proposed Timeline-

**OLD BUSINESS:** Chairperson Meek called for discussion on any Old Business. There was none.

**NEW BUSINESS:** Chairperson Meek called for discussion on any New Business.

There was general discussion on the nomination and election of a Chairperson.

Mr. Weber motioned to elect Mr. Meek as the Chairperson. Mr. Weber seconded the motion. With Mr. Meeks abstaining, the motion was approved by a voice vote 5-0.

There was general discussion regarding permitting of solar structures.

**ADJOURNMENT:** The meeting was adjourned at 3:49 PM by voice vote, motioned by Mr. Kelleher and seconded by Mr. Holderby. The motion was approved by a voice vote 6-0.

Respectfully submitted,  
Bob Mahrt  
Community Development Director



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TO: Building Board of Review

FROM: Bob Mahrt, Community Development Director

DATE: September 1, 2020

RE: **BBA-1-20** Public Hearing, review and action on proposed amendments to Chapter 10 – Building Code, Chapter 15 – Electrical Code, and Chapter 34 – Plumbing Code of the Bloomington City Code related to adoption of the 2018 International Building Code (IBC), 2018 International Residential Code (IRC), 2018 International Existing Building Code (IEBC), 2018 International Fire Code (IFC), 2018 International Fuel Gas Code (IFGC), 2018 International Mechanical Code (IMC), 2018 International (Illinois) Energy Conservation Code (IECC), 2018 International Swimming Pool and Spa Code (ISPSC), the Illinois State Accessibility Code (IAC), the 2014 Illinois Plumbing Code, the 2020 National Electric Code (NEC) and other related codes.

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**BACKGROUND:**

The City of Bloomington first administered model building codes following adoption of the 1955 National Building Code on February 10, 1958. More recently on February 24, 2014, the City Council adopted Ordinance No. 2014-07 which amended the Bloomington City Code Chapter 10 – Building Code and Chapter 15 – Electrical Code relating to the adoption of 2012 International Code Council (ICC) family of codes and the 2014 edition of the National Electric Code (NEC). Other minor revisions to Chapters 10 and 15, as well as, Chapter 34 – Plumbing Code had been made by the City over time, however, no updates of the ICC or NEC model building codes have been adopted since 2014. (Please review Exhibit “A” Established ICC Amendments).

The International Code Council (ICC) publishes new editions of their model code regulations every three years. The National Fire Protection Association (NFPA) also publishes the National Electric Code every three years, but not simultaneously with the ICC. The ICC family of codes +represents the model building code standard throughout the nation. The NEC has also been adopted nationwide to set the minimum standard for safe electrical design, installation and inspection. It is common practice for municipalities to periodically update their building codes to address changes in construction methods/materials, to evaluate new development trends, as well as, to protect the health, safety and general welfare of their citizens. While the City did adopt the 2012 ICC model building codes with amendments, the City did not adopt the 2015 editions of the ICC family of codes. There is now a need to modernize the model building codes for the City of Bloomington by updating to the 2018 International Code Council family of codes and other related codes. On-line copies of the 2018 ICC family of codes are available for viewing at <https://www.cityblm.org/government/departments/building-safety/building-codes>

An on-line copy of the National Electric Code is available for viewing at <https://www.nfpa.org/codes-and-standards/all-codes-and-standards/list-of-codes-and-standards/detail?code=70>

The Community Development Department has been simultaneously assisting the Building Board of Appeals (BBA) and the PMRB on updating to the 2018 International Code Council family of codes and other related construction codes. This coordination effort was intended to provide adequate opportunities for review of the updated editions of the ICC family of codes and provide for appropriate public outreach.

While the Covid-19 pandemic did impact the timeline for code adoption, efforts were made to provide appropriate review of the building code update by key stakeholders in the community. Community outreach included presentations before the Bloomington Normal Association of Realtors and the local chapter of the American Institute of Architects. The scheduled presentation with the Bloomington Normal Home Builders Association was unfortunately cancelled due to the pandemic, however, notices of the pending public hearings and links to the City's Building Code Update website were provided. In addition, the Community Development Department mailed notices to all registered Contractors and Landlords to solicit public input.

The Building Board of Appeals has the authority to make advisory recommendations to the City Council concerning amendments to the Bloomington City Code Chapter 10 – Building Code, Chapter 15 – Electrical Code, and Chapter 34 – Plumbing Code. The BBA previously met on December 3, 2019, January 7, 2020 and on February 4, 2020 to review the overall adoption process, the project timeline, significant changes between the 2012/2015/2018 Code editions, and to determine appropriate public outreach efforts. Through the review process, Community Development Department Staff identified various amendments to the ICC family of code for BBA consideration. (Please review the ICC Building Code Amendments – IBC and IRC spreadsheets illustrating various amendments between the 2012, 2015 and 2018 editions of the codes also available on-line at the above mentioned link). In addition, Staff reviewed the model code adoption processes for comparable communities in the State in order to evaluate potential local amendments and their anticipated impact on the community.

The Community Development Department will assist the BBA with the scheduled public hearing for review and action on proposed amendments to Chapter 10 – Building Code, Chapter 15 – Electrical Code, and Chapter 34 – Plumbing Code of the Bloomington City Code related to adoption of the 2018 ICC family of codes. The BBA will be asked to make an advisory recommendation to the City Council following the public hearing. It is proposed that the recommendation would be forwarded to the City Council for further discussion at the Committee of the Whole meeting on September 21, 2020. The City Council would potentially take action on an Ordinance at the City Council meeting on September 28, 2020. It is intended that the proposed Ordinance would take effect on January 1, 2021.

### **PROPOSED LOCAL AMENDMENTS:**

The proposed model building codes do include multiple additions, modifications, clarifications and deletions progressively through the 2012, 2015 and 2018 editions of the ICC family of codes and between the 2014, 2017 and 2020 editions of the NEC. The vast majority of these amendments could be considered minor with little impact on the community. In evaluating the model codes, Staff did identify some amendments that could be considered significant and require further some discussion by the Board of Appeals. The following is a general overview of the recommended modifications to the model building codes and the City Code.

### **CHAPTER 10 - BUILDING CODE**

Adoption of the International Building Code – 2018: Staff recommends adoption of the 2018 IBC in its entirety. Staff did not identify significant model code amendments, which would appear to require modification to published code. Proposed text amendments to the City Code are outlined in Exhibit “B”.

Adoption of the International Residential Code for One- and Two-Family Dwellings – 2018: Staff recommends adoption of the 2018 IRC in its entirety. Staff did not identify significant model code amendments, which would appear to require modification to published code. Proposed text amendments to the City Code are outlined in Exhibit “B”.

The 2018 IRC does include a new Appendix “Q” Tiny Houses. The City of Bloomington Zoning Ordinance does not specify a minimum dwelling unit size within residential districts. There is a recognized trend for development of tiny homes, which may offer opportunities to address affordable housing needs in the community. The Appendix “Q” does allow for certain modifications for dwellings less than 400 sq.ft. related to residential stairways, egress, and lofts. Staff does recommend adoption of this new appendix.

Staff does recommend adoption of the 2018 ISPSC listed below and therefore recommends deleting Appendix “G” Swimming Pools, Spas, and Hot Tub.

Adoption of the International Swimming Pool and Spa Code – 2018: Staff recommends adoption of the 2018 ISPSC in its entirety. The ISPSC would be a completely new code for the City. Previously, swimming pools, spas and hot tubs were administered through the very limited scope with, Appendix “G” of the IRC. The ISPSC more specifically addresses administration of public aquatic facilities. Staff did not identify significant model code amendments, which would appear to require modification to published code. Proposed text amendments to the City Code are outlined in Exhibit “B”.

Adoption of the International Mechanical Code – 2018: Staff recommends adoption of the 2018 IMC in its entirety. Staff did not identify significant model code amendments, which would appear to require modification to published code. Proposed text amendments to the City Code are outlined in Exhibit “B”.

Adoption of the International Fuel Gas Code – 2018: Staff recommends adoption of the 2018 IFGC in its entirety. Staff did not identify significant model code amendments, which would appear to require modification to published code. Proposed text amendments to the City Code are outlined in Exhibit “B”.

Adoption of the International Fire Code – 2018: Staff recommends adoption of the 2018 IFC with consideration for potential modifications.

Section 1103.5.1 Group A-2. The 2018 IFC includes a new section which requires the retrofit installation of a fire sprinkler system in existing Group A-2 occupancies where alcoholic beverages are consumed if the occupant load is 300 or more. Generally, A-2 occupancies include night clubs, banquet halls, restaurants, taverns. The retrofit regulation would impact several existing, entertainment oriented businesses in the community and require installation of fire sprinkler systems upon adoption of the model code. The intent of this code addition was to address the potential fires and fatalities in larger scale entertainment oriented business.

Staff had evaluated the intent of the new section and reviewed prior permit issuance for existing entertainment oriented businesses. Options for consideration on this new section are to adopt as published, amortize the regulation, or delete the section in its entirety. These options are further outlined within Exhibit “B”.

Staff did not identify significant model code amendments, which would appear to require modification to published code other than consideration on the new Section 1103.5.1. Proposed text amendments to the City Code are outlined in Exhibit “B”.

Adoption of the International Existing Building Code – 2018: Staff recommends adoption of the 2018 IEBC in its entirety. Staff did not identify significant model code amendments, which would appear to

require modification to published code. Proposed text amendments to the City Code are outlined in Exhibit “B”.

Adoption of the International Existing Building Code – 2018: Staff recommends adoption of the 2018 IECC in its entirety. Staff did not identify significant model code amendments, which would appear to require modification to published code. Proposed text amendments to the City Code are outlined in Exhibit “B”.

## CHAPTER 15 – ELECTRICITY

Adoption of the National Electrical – 2020: Staff recommends adoption of the NEC 2020 in its entirety. While Staff does recommend adoption of the NEC 2020, there are some model code amendments that should be discussed further. Proposed text amendments to the City Code are outlined in Exhibit “B”.

The NEC 2020 includes provisions for requirements for surge protection for dwelling units with new or replaced service equipment, ground fault protection for all 125-volt through 250-volt receptacles supplied by single-phase branch circuits rated 150-volt or less to ground, and outdoor emergency disconnects for new construction, renovations and service replacements. Staff is recommending adoption, but wanted to bring awareness of these updated code requirements.

### ***Section 230.67 Surge Protection.***

*(A) All Services supplying dwelling units shall be provided with a surge-protection device (SPD).*

***Section 210.8(A)(1) through (A)(11) Ground-Fault Circuit-Interrupter Protection for Personnel.*** *Ground-fault circuit-interrupter protection for personnel shall be provided as required in 210.8(A) through (F).*

*The ground-fault circuit-interrupter shall be installed in a readily accessible location.*

*For purposes of this section, when determining the distance from receptacles the distance shall be measured as the shortest path the supply cord of an appliance connected to the receptacle would follow without piercing a floor, wall, ceiling, or fixed barrier window.*

*(A) Dwelling Units. (\*\*\*)Summary of Sub-Section)*

*\*\*\*(1) Bathrooms; (2) Garages; (3) Outdoors; (4) Crawl spaces-at or below grade level; (5) Basements; (6) Kitchens-where the receptacles are installed to serve the counter top surfaces; (7) Sinks-where receptacles are installed within 1.8 m (6 ft) from top of inside edge of bowl of sink; (8) Boathouses; (9) Bathtubs or shower stalls- where receptacles are installed within 1.8 m (6 ft) from top of inside edge of bathtub or shower; (10) Laundry Areas; (11)Indoor damp and wet locations.\*\*\**

***Section 230.85 Emergency Disconnections.*** *For one- and two-family dwelling units, all service conductors shall terminate in disconnecting means having a short circuit current rating equal to or greater than the available fault current, installed in a readily accessible outdoor location. If more than one disconnect is provided, they shall be grouped. Each disconnect shall be one of the following:*

*(1) Service disconnects marked as follows:*

*EMERGENCY DISCONNECT, SERVICE DISCONNECT*

*(2) Meter disconnects installed per 230.82(3) and marked as follows:*

*EMERGENCY DISCONNECT, METER DISCONNECT, NOT SERVICE EQUIPMENT*

*(3) Other listed disconnect switches or circuit breakers on the supply side of each service disconnect that are suitable for use as service equipment and marked as follows:*

*EMERGENCY DISCONNECT, NOT SERVICE DISCONNECT*

*Markings shall comply with 110.21(B)*

## **CHAPTER 34 – PLUMBING CODE**

Staff recommends minor administrative text amendments to Chapter 34 – Plumbing Code. Proposed text amendments to the City Code are outlined in Exhibit “B”.

**STAFF RECOMMENDATION:** That the Building Board of Appeals hold the public hearing and provide an advisory recommendation to the City Council to approve an Ordinance on amending Chapter 10 – Building Code, Chapter 15 – Electrical Code, and Chapter 34 – Plumbing Code of the Bloomington City Code related to adoption of the 2018 ICC family of codes and the 2020 National Electric Code.

**EXHIBIT A**  
**ESTABLISHED ICC AMENDMENTS**

**CHAPTER 10 – BUILDING CODE**

**ARTICLE IV – ADDITIONS, COMPLETIONS, MODIFICATIONS, AND AMENDMENTS TO THE INTERNATIONAL BUILDING CODE – 2012**

Sec. 101.1 through Sec. 3302.2 Modifications.

[Ord. No. 2014-07]

The numbered subsections of this section correspond to sections of the International Building Code - 2012 or correspond to the Sections of said Code which are added to, completed, modified, amended or deleted as shown in the Sections herein.

SEC. 101.1 TITLE.

These regulations shall be known as the Building Code of the City of Bloomington, hereinafter referred to as "this Code."

[Ord. No. 1993-79]

SEC. 103.1 CREATION OF ENFORCEMENT AGENCY.

[Ord. No. 2003-54]

The Department of Community Development of the City of Bloomington (referred to herein as the Department of Building Inspection) is hereby created and the executive official in charge thereof shall be known as the Code Official and/or Building Official.

[Ord. No. 2017-96]

SEC. 105.8 ISSUANCE OF PERMIT - OCCUPANCY PROHIBITED STRUCTURE.

[Ord. No. 2003-54]

No building permit shall be issued for any building which the City of Bloomington Community Development Division has posted "No Occupancy" (hereafter referred to as "posted building") except in conformity with the provisions of this section.

[Ord. No. 1998-51]

(a) Scope of Permit. A building permit for a posted building shall cover all work needed to bring the building into conformity with all relevant Codes of the City of Bloomington without regard to whether a building permit would otherwise be requested for such work.

[Ord. No. 1998-51]

(b) Application for Permit. An application for a building permit for a posted building shall include the following information:

- (1) Sufficient plans and/or drawings showing how the building will be brought into conformity with applicable Codes;
- (2) A realistic cost estimate of material needed to bring the building into compliance with applicable Codes and a cost estimate from a licensed contractor if the contractor is to perform the work;
- (3) A reasonable timetable for completion of repairs;
- (4) Evidence of financial capacity and ability to make repairs approved by the Community Development Department.

[Ord. No. 2017-96]

(c) Processing Application. The Building Safety Division shall issue a building permit for the posted house if, but only if, it has determined:

- (1) The plans and drawings show repairs which, if made, would bring the building into compliance with applicable Codes;
- (2) The Community Development Division has determined that:
  - (a) Cost estimates reasonably reflect the likely cost of materials and labor necessary to bring the building into compliance with applicable Codes; and
  - (b) The applicant has purchased or has immediate access to sufficient funds to pay for necessary materials and labor; and
  - (c) If the applicant intends to make the repairs himself, he possesses the necessary skills to complete the job in conformity with applicable Codes; and
- (d) The timetable presented for completion of repairs is reasonable.

[Ord. No. 1998-51]

#### SEC. 105.9 REPAIR OR DEMOLISH LITIGATION - MORATORIUM ON PERMITS.

[Ord. No. 2003-54]

Whenever the City of Bloomington has issued fifteen-day notices to repair or demolish pursuant to Section 11-31-1 et seq. of the Illinois Municipal Code (Ill. Rev. Stat. Ch. 24, § 11-31-1 et seq.[1]) with respect to any property, the Building Safety Division shall not issue any building permit for work on any such property. In any case where the Community Development Department has issued a building permit for work on such property, the Director or his designee shall inspect the progress of work done under the permit and if the work has not proceeded on schedule, the Director or his designee shall suspend the building permit and order all work on the property under the permit stopped. Permits suspended or not issued under this section shall not be issued until the Community Development Division removes the property from its list of buildings to be repaired or demolished, or as may be provided in an order of Court.

[Ord. No. 2017-96]

#### SEC. 105.10 DEMOLITION PERMITS.

[Ord. No. 2011-48]

SEC. 105.10.1 PURPOSE AND SCOPE.

The City Council finds that prolonged demolition operations can be unsafe, unsightly and can have a deleterious effect on surrounding areas and neighborhoods. The Council therefore finds that it is in the public interest that ordinances be enacted providing for demolitions to be accomplished in a safe and expeditious manner. To accomplish this goal, the City Council finds it is necessary to require demolition permits establishing timelines for completion of demolition operations and remedies in the event deadlines are not met.

[Ord. No. 2011-48]

SEC. 105.10.2 DEMOLITION PERMIT REQUIRED.

A demolition permit shall be required before any person proceeds with any of the following work:

(a) Demolition or removal of 50% or more of the floor area of any building (or buildings on the same lot); or

(b) Demolition or removal of 50% or more of the structural elements or the walls or facade of a building (or buildings on the same lot).

[Ord. No. 2011-48]

SEC. 105.10.3 APPLICATION FOR PERMIT; SCHEDULE FOR DEMOLITION REQUIRED.

(1) Every application for a demolition permit shall contain a proposed schedule for demolition indicating, at a minimum, the date upon which demolition activities will commence and a date by which the demolition will be completed. Said schedule shall be reviewed by the Director of Community Development, who may approve, reject or propose modifications thereto. The Director's determination shall be in writing and, in the event the schedule is rejected or modifications are proposed, shall state the reasons for the determination. No permit for demolition shall issue without containing a schedule for demolition approved by the Director of Community Development and the signature of the demolition contractor or an authorized representative agreeing to perform the demolition in accordance with the dates stated in the schedule.

(2) In determining an appropriate schedule for demolition, the following factors shall be considered:

(a) The composition and size of the structure or structures to be demolished;

(b) The location of the demolition site;

(c) The presence of site contaminants, such as asbestos, lead-based paint or stored underground fuel;

(d) Environmental considerations involved in the demolition or disposal of wastes therefrom, including efforts made to recycle materials;

(e) The effect demolition, or an extended period of demolition, will have on the surrounding area.

(3) Extension of time. For good cause shown, and with consideration of the factors specified in Paragraph 2 of this section, the Director of Community Development may extend the demolition permit. All permit extensions shall be in writing, shall state the reason or reasons for the extension, shall specify a date by which the demolition will be completed and the permit will expire, and shall bear the signatures of the Director of Community Development and the demolition contractor or an authorized representative thereof.

[Ord. No. 2017-96]

#### SEC. 105.10.4 DEMOLITION WORK BOND.

(1) Requirement. Before any permit required by this article is issued granting authority to demolish a building or structure, the demolition contractor or the owner of the property shall file with the Department of Community Development a copy of a performance bond or an irrevocable letter of credit naming the City of Bloomington as obligee, guaranteeing faithful and timely performance of the terms and conditions of the permit, as well as compliance with all applicable federal, state and local laws and providing for the paying of the amount of said bond or irrevocable letter of credit to the City of Bloomington in the event the demolition is not completed within the time specified in the demolition permit, or any extension of said permit allowed by the Director of Community Development. Such bond or irrevocable letter of credit shall be in an amount of not less than 100% of the amount of the demolition contract.

(2) Permit. No permit shall be issued for any demolition work until such bond or irrevocable letter of credit is filed. Upon the filing of such bond or irrevocable letter of credit and certificate of insurance, as provided in Section 110.5 of this chapter, the person engaged in the work of demolition of such buildings and other structures shall obtain permits for such demolition operations as are authorized under the bond or irrevocable letter of credit. In case of an accident or casualty in the progress of any demolition operations carried on under any permit issued or the happening of any circumstances which might, in the opinion of the Director of Community Development, render such bond or irrevocable letter of credit inadequate, the Director may in his discretion require such additional bond or irrevocable letter of credit as he may deem necessary to fully insure satisfactory completion of the project before he allows the work to proceed or before any additional permits are issued by him.

(3) Waiver. The foregoing requirement of bond may be waived at the discretion of the Code Official/Building Official where:

(a) The estimated cost of demolition of a structure, including removal of the debris and clearing the site, is less than \$25,000;

(b) No extra hazardous conditions exist; and

(c) The demolition permit is being sought by the owner of the structure.

(4) Certified or cashier's check. In lieu of the a bond or irrevocable letter of credit required under this section, a certified or cashier's check in the amount of the required bond or irrevocable letter of credit payable to the City of Bloomington may be deposited with the City at the time of application for the demolition permit. Such amount of said check as is not required for satisfactory completion of the project will be refunded to the applicant upon completion.

[Ord. No. 2017-96]

SEC. 105.10.5 UNFINISHED DEMOLITION; PENALTIES.

(1) Whenever the Director of Community Development determines that a demolition remains incomplete following expiration of a demolition permit, or any extension thereof, he shall send notice by first class mail to the demolition contractor, the owner of the property and any surety for the performance of the demolition that said permit has expired and that the demolition is incomplete. Said notice shall briefly describe the parts of the demolition that remain unfinished and shall give the contractor and the owner of the property 21 days from the date of the notice to complete the demolition, including all site cleanup. The notice shall further advise that if the demolition remains unfinished 21 days after the date of said notice, the City of Bloomington shall declare a failure of performance and shall seek funds from any surety holding a performance or irrevocable letter of credit.

(2) If the demolition remains uncompleted after 21 days from the date of the notice required in Paragraph 1 of this section, the contractor and/or property owner may be fined in the amount of no less than \$250 and no greater than \$1,000 for each day the demolition remains unfinished. After expiration of the period stated in said notice, the Director of Community Development shall declare a failure of performance and shall seek funds from any surety holding a performance or irrevocable letter of credit necessary to complete the demolition project. The Legal Department shall file an action in Circuit Court seeking an Order requiring the owner of the property to complete demolition or allowing the City to complete demolition and place a lien upon the premises for the costs of said demolition as provided by law, in the event said costs exceed those provided by any surety or a performance bond or irrevocable letter of credit.

[Ord. No. 2017-96]

SEC. 105.11 INSURANCE.

[Ord. No. 2003-54]

(a) Requirement. Before any permit required by this article is issued granting authority to demolish a building or structure, the person engaged in the work of demolishing the same shall file with the Director of Community Development a certificate of liability insurance with the City of Bloomington as a named insured showing coverage is not less than the following amounts:

Bodily Injury:

Each Occurrence

\$500,000

Each Person

\$500,000

Property Damage:

Each Occurrence

\$100,000

Aggregate

\$100,000

Where any structure to be demolished exceeds three stories in height, the Code Official/Building Official may, in his discretion, require additional insurance in an amount not to exceed double the amounts shown herein.

[Ord. No. 2017-96]

(b) Waiver. The foregoing insurance requirement may be waived at the discretion of the Code Official/Building Official where:

(1) The estimated cost of demolition of a structure, including removal of the debris and clearing the site, is less than \$500;

(2) No extra hazardous conditions exist; and

(3) The demolition permit is being sought by the owner of the structure.

[Ord. No. 2000-41]

#### SEC. 108.5 RELATED FEES.

The payment of the fee for the construction, alteration, removal or demolition and for all work done in connection with or concurrently with the work contemplated or authorized by a building permit, shall not relieve the applicant or holder of the permit from the payment of other fees that may be prescribed by law or ordinance for water taps, sewer connections, electrical permits, HVAC permits, plumbing permits, erection of signs and display structures, marquees or other appurtenant structures or fees of inspections, certificates of use and occupancy or other privileges or requirements, both within and without the jurisdiction of the Department of Community Development; including, but not limited to, sewer connection charges imposed pursuant to Ordinance Nos. 547 and 548 of the Bloomington/Normal Water Reclamation District.

[Ord. No. 2017-96]

#### SEC. 108.6 REFUNDS.

In the case of a revocation of a permit or abandonment or discontinuance of a work project, no fees shall be subject for refund.

[Ord. No. 2003-54]

#### SEC. 108.7 FEE SCHEDULES.

(a) General. The fee for permits for work regulated by any Code adopted by reference into Bloomington City Code Chapter 10 shall be set forth in the Schedule of Fees. The fee for a permit shall be based on the reasonable cost/value of the improvement, including material and labor. If the Code Official/Building Official determines that the applicant's estimate of the cost of the improvement is unreasonable, the permit fee shall be established according to the provisions of Subsection (c) of this section. One and Two-family dwellings shall be calculated per Subsection (d) of this section. The Code Official's/Building Official's determination of reasonability of the applicant's estimate shall be appealable as provided in Sections 121.1 and 121.1.1 of this Code.

[Ord. No. 2018-89]

(b) (Reserved)

(c) Alternate Method of Establishing Cost of Improvement or Valuation. Should the declared estimated value of improvements, which is the basis of permit fee calculation, be deemed unreasonable by the Code Official/Building Official, the most recent Building Valuation Data Report of the International Code Council Inc., or equal will be used in establishing the correct valuation.

[Ord. No. 2003-54]

NOTE:

(1) The applicable Schedule of Fees is applicable to each building on a lot considered separately as independent fire areas. For purposes of this section, any structure under one roof shall be considered one building.

[Ord. No. 2018-89]

(2) The Director of Community Development may waive or adjust the amount of the fee for any permit required by this chapter.

[Ord. No. 2017-96]

(d) Fees for new one and two family homes shall be calculated on the gross area of the dwelling based on the Schedule of Fees.

[Ord. No. 2018-89]

(e) Definitions. For clarity, the following definitions and guidelines are herein incorporated:

[Ord. No. 2003-54]

(1) Estimated cost/value include all cost of labor and material given a fair market value. A contractor-owner contract or letter of acceptance, certified architect-engineer estimate or accepted bid, or equivalent shall be acceptable as estimated cost adjusted only as allowed by other provisions of this section.

[Ord. No. 1998-51]

(2) Allowed exclusions from the estimated cost for fee consideration are the costs of the following:

a. Painting;

b. Nonstructural embellishments;

c. Permanent cabinetry or shelving not affecting area, exiting or fire rating requirements of the Code;

d. Except in residential occupancy/use, fixtures not basic to the occupancy or use of the building/structure, except lighting fixtures;

e. Fixtures, devices, equipment, and appliances covered by a separate permit;

f. Landscaping not required by statute.

[Ord. No. 1992-69]

(3) For the purposes of clarification, the following costs are included in the estimated cost:

- a. Excavation work for foundations and subgrade structures;
- b. Rough grading for drainage;
- c. Dust proofing of parking lots/spaces including drainage facilities as approved and endorsed to the department by the Public Works Department;
- d. Work required by zoning, rezoning, or annexation conditions under the department's supervisory jurisdiction.

[Ord. No. 2018-93]

(4) The estimated cost for permit and fee considerations of temporary buildings/structures shall be the labor cost of assembling, disassembling, and disposal or moving without affecting regular street traffic.

[Ord. No. 1985-107]

(f) Fee Surcharge. Any work undertaken without a permit shall be subject to a surcharge of 100% of the regular charge or \$50, whichever is greater, upon issuance of a valid permit. This shall be construed as a supplemental penalty accruing regardless of any imposition provided for in Section 116.4 of this Code.

[Ord. No. 2003-54]

(g) A fee will be required for the review of construction documents/plans, other than 1 and 2 family dwellings, for work regulated by any code adopted or by referenced by Bloomington City Code Chapter 10. The fee for this review shall be of the reasonable value/cost of each separate project shall be as set forth in the Schedule of Fees.

[Ord. No. 2018-89]

If the Code Official/Building Official determines that the applicant's estimate of the value/cost for the project is unreasonable, the value of the project shall be as established according to the provisions of Subsection (c) of this section. Appeals shall be provided for in Sections 121.1 and 121.1.1 of this Code.

[Ord. No. 2011-58]

#### SEC. 108.8 MOVING OF BUILDINGS.

[Ord. No. 2003-54]

A permit to move a building or structure shall be issued by the Code Official/Building Official only after clearances are obtained from the Police Department and the Public Works Department of the City, as required by Bloomington City Code Chapter 38, Article VII. Issuance of a moving permit does not relieve the permittee from any obligation of complying with all other City Codes insofar as they may be applicable. The moving permit shall not be construed as a building permit. The moving permit fee shall be calculated on the estimated cost of moving including loading and/or unloading within the City limits. If unloading is related to a building

permit, the same will be excluded from the estimated moving cost. The fee to be charged for such permit shall be as set forth in the Schedule of Fees.

[Ord. No. 2018-93]

#### SEC. 108.9 DEMOLITION FEES.

[Ord. No. 2003-54]

The fee for a demolition permit shall be based on the estimated cost of demolition per building/structure including work on filling, grading, cleaning or safeguarding of the site. A permit shall be issued only after clearance from the utility companies has been obtained. The fee scales as set forth in the Schedule of Fees shall apply for each building/structure to be demolished.

[Ord. No. 2018-89]

#### SEC. 108.11 MECHANICAL WORK (HVAC) AND FEES.

The permit fee for all work covered by provisions of the International Mechanical Code and/or International Fuel Gas Code of the City shall be calculated based on estimated cost/value and nature of the work proposed. "Estimated Costs" shall be calculated by totaling the cost/value of all services, labor, materials, equipment and any other appliances or devices entering into and necessary to the execution and completion of the installation or the work in an amount as set forth in the Schedule of Fees.

[Ord. No. 2018-89]

#### COMMERCIAL KITCHEN HOODS FIRE SUPPRESSION SYSTEM FEE.

The fee for a permit for commercial kitchen hoods fire suppression systems shall be based on the reasonable cost/value of the installation, including material and labor, in an amount as set forth in the Schedule of Fees.

[Ord. No. 2018-89]

#### SEC. 108.13 ELECTRICAL PERMIT FEES.

[Ord. No. 2003-54]

The electrical permit fees are those provided for in Bloomington City Code Chapter 15.

[Ord. No. 1993-79]

#### SEC. 108.14 PLUMBING PERMIT FEES.

[Ord. No. 2003-54]

The plumbing permit fees are those provided for in Bloomington City Code Chapter 34.

[Ord. No. 1993-79]

#### SEC. 108.15 ROOFING PERMITS.

[Ord. No. 2003-54]

A permit for roofing work done by a roofing contractor as defined in the Illinois Roofing Industry Licensing Act[2] shall be issued by the Code Official/Building Official upon ascertaining that the contractor to do the work is duly and currently certified as a roofing contractor by the State of Illinois. The permit fee shall be based on the cost of the work/improvement using the fee schedule in Section 112.3.1.

[Ord. No. 2000-41]

#### SEC. 108.16 AMUSEMENT DEVICE PERMITS.

[Ord. No. 2003-54]

Amusement devices, i.e. carnival rides, shall be inspected. A satisfactory compliance with safety regulations shall allow a permit to be issued for their operation. The fee for said permit shall be \$50 per location.

[Ord. No. 1998-51]

#### SEC. 108.17 REINSPECTION FEE.

[Ord. No. 2003-54]

If a contractor/owner/agent notifies the City that a project is ready for final inspection and, upon inspection the City finds the project not complete, then the City shall charge a fee of \$15 per inspector or 50% of the permit fee, whichever is greater, for each reinspection required. The fee shall be paid prior to reinspection.

[Ord. No. 1998-51]

#### SEC. 108.20 CONTRACTOR REGISTRATION, FEES, LIABILITY INSURANCE AND RESPONSIBILITY.

[Ord. No. 2008-45]

1. Purpose: The section is intended safeguard the public safety, health and general welfare of the citizens by establishing minimum standards for contractor registration, insurance and performance.

[Ord. No. 2008-45]

2. Definitions: Unless otherwise expressly stated, the following words and terms shall, for the purposes of this section, be interpreted as herein defined:

(a) "Construction" means any constructing, altering, reconstructing, repairing, rehabilitating, refinishing, refurbishing, remodeling, remediation, renovating, custom fabricating, maintenance, improving, wrecking, demolishing, and adding to or subtracting from any building, structure, parking facility, or any other structure to such an extent a permit is required to be issued by the Department of Community Development.

[Ord. No. 2017-96]

(b) "Construction Documents" - Written, graphic and pictorial documents prepared or assembled for describing the design, location and physical characteristics of the elements of a project

necessary for obtaining a building permit. Construction documents shall be drawn to an appropriate scale.

[Ord. No. 2008-45]

(c) "Contractor" means any sole proprietor, partnership, firm, corporation, Limited Liability Company, association or other legal entity permitted by law to do business within the State of Illinois who engages in construction as defined herein.

[Ord. No. 2008-45]

3. Certificate of Registration. Every person who shall desire to practice the business of a Contractor, shall first obtain a Certificate of Registration to do so as provided by this chapter. This registration is required for any contractor doing work in the City of Bloomington for which a building permit is required.

[Ord. No. 2008-45]

(a) The registration fee and annual renewal shall be in an amount as set forth in the Schedule of Fees. All registrations and renewals of the same shall expire on the 31st day of December of each year, and a renewal shall be obtained on or before January 31st of the following year.

[Ord. No. 2018-89]

(b) Any Certificate of Registration forfeited for nonpayment of the renewal fee may be reinstated upon the payment of the annual renewal fee, in an amount as set forth in the Schedule of Fees, plus \$25.

[Ord. No. 2018-89]

(c) Liability Insurance Required of Registrant. Contractor registrants shall provide a satisfactory certificate of liability insurance against any form of liability to a minimum amount of \$100,000 for property damage and \$300,000 for personal injury. The insurance shall be maintained in full force and effect during the term of the registration and said insurance policy, or certificate of insurance, shall provide that the City of Bloomington be notified of any cancellation or termination of the insurance 10 days prior to the date of cancellation or termination. Contractor registrants are responsible for notifying the City of said cancellation or termination as required herein and may be sanctioned, as provided in Paragraph 4(d) this section, and as provided elsewhere in the Bloomington City Code, for, failure to provide said notification.

[Ord. No. 2008-45]

(d) An owner/occupant of a single-family residence shall be permitted, without registration, to obtain a permit to perform construction at or on said residence, including accessories thereto; however said owner/occupant is subject to all other provisions of this Code.

[Ord. No. 2008-45]

(e) Construction by a building owner may be undertaken with the appropriate permits, provided the work does not include work whose performance requires a license, such as plumbing, electrical, and HVAC.

[Ord. No. 2008-45]

4. Contractor Responsibility: To ensure construction is meeting the minimum standards set forth in this chapter and other City, State or Federal regulations, persons conducting business as a contractor shall be responsible for the following:

(a) Registration: Contractors shall be responsible for maintaining their registration and associated liability insurance current and up to date.

[Ord. No. 2008-45]

(b) Construction Documents: Contractors shall be responsible for providing the appropriate construction documents as needed to obtain required permits.

[Ord. No. 2008-45]

(c) Permits: Contractors shall be responsible for obtaining appropriate permits prior to the start of any construction work.

[Ord. No. 2008-45]

(d) Violations: Contractors who fail to comply with the requirements of this section shall be subject to fines of not less than \$250 nor more than \$1000, irrespective of charges or fines that may be included in Sections 108.7(f) or 113.4 of this Code. Each day that a violation continues shall be deemed a separate violation and shall subject the violator to an additional penalty within the parameters of the fines set forth in the preceding sentence.

[Ord. No. 2008-45]

#### SEC. 108.21 MANUFACTURED HOME PARK FEES.

As per § 43-108G of Chapter 43, Bloomington City Code, the Schedule of Fees will be followed for required permits in regards to manufactured homes in manufactured home parks.

[Ord. No. 2018-89]

#### SEC. 108.22 CONSTRUCTION TRAILER TIE-DOWN FEE.

[Ord. No. 2003-54]

Any time a construction trailer is located on a construction site, a tie-down permit fee of \$30 will be charged the general contractor and/or subcontractor meeting the tie-down guidelines as identified in Chapter 43.

[Ord. No. 2011-58]

#### SEC. 108.23 FIRE PROTECTION SYSTEMS (SPRINKLERS) PERMITS AND FEES.

The permit fee for all fire protection work (sprinkler systems) shall be on the reasonable cost/value of the work to be performed or the system components based on the Schedule of Fees.

[Ord. No. 2018-89]

#### SEC. 108.24 ACCOUNTING.

[Ord. No. 2003-54]

The Code Official/Building Official shall keep an accurate account of all fees collected; and such collected fees shall be deposited regularly in the jurisdiction treasury or otherwise disposed of as required by law.

[Ord. No. 2000-41]

#### SEC. 112.4 FEE FOR APPEALS.

Any petition for a variance/interpretation from the Construction Board of Appeals shall be filed with the Community Development Department, accompanied by a fee in an amount as set forth in the Schedule of Fees payable to the City of Bloomington. Each extra petition in a multiple petition shall be charged a fee in an amount as set forth in the Schedule of Fees. Any variance involved with Property Maintenance Code will be charged an amount as set forth in the Schedule of Fees per initial variance with an amount as set forth in the Schedule of Fees charged for each additional variance.

[Ord. No. 2018-89]

Any application for a variance/interpretation to this Code provided by the City Council, Zoning Board of Appeals, Construction Board of Appeals, Building Code Review Board, Plumbing Board of Appeals, Electrical Commission, HVAC Board, City staff or Regional Planning Commission staff shall be exempted from the requirements of this section.

[Ord. No. 2003-54]

#### SEC. 113.4 VIOLATION PENALTIES.

[Ord. No. 2003-54]

Any person who shall violate a provision of the Code or shall fail to comply with any of the requirements therefor or who shall erect, construct, alter, add to, or repair a building or structure in violation of an approved plan or directive of the Code Official, or of a permit or certificate under the provisions of this Code shall be guilty of a misdemeanor, punishable by a fine of not more than \$500 or by imprisonment not exceeding six months, or both such fine and imprisonment. Each day that a violation continues shall be deemed a separate offense.

[Ord. No. 1998-51]

#### SEC. 114.3 UNLAWFUL CONTINUANCE.

[Ord. No. 2003-54]

Any person who shall continue any work in or about the structure or building after having been served with a stop order, except such work as he is directed to perform to remove a violation or unsafe conditions, shall be liable to a fine of not less than \$100 or more than \$500.

[Ord. No. 2007-27]

#### SEC. 1608.2.1 SNOW LOADS.

The basic ground snow loads to be assumed in the design of buildings or other structures shall be 30 pounds per square foot.

[Ord. No. 2000-41]

SEC. 1612.3 ESTABLISHMENT OF FLOOD HAZARD AREAS.

Insert the following information into the second sentence:

The Flood Insurance Study for the "City of Bloomington," dated "February 9, 2001," as amended or revised with the ....."

Remainder of section unchanged.

[Ord. No. 2003-54]

SEC. 1809.5 FROST PROTECTION.

Modify 1 as follows:

1. Extending below the frost line of 40 inches;

[Ord. No. 2014-07]

SEC. 2901.1 SCOPE - PLUMBING.

The design and installation of plumbing systems, including sanitary and storm drainage, sanitary facilities, water supplies and stormwater and sewage disposal in buildings shall comply with the requirements of this article and the Illinois State Plumbing Code currently adopted by the City.

[Ord. No. 1998-51]

SEC. 3302.2 WASTE MATERIALS.

Waste materials shall be removed in a manner which prevents injury or damage to persons, adjoining properties, and public rights-of-way. All construction debris shall be placed in an approved container, and provided with a cover, which shall be closed except when actively being filled. Any person violating any of the provisions of this section shall be fined not less than \$100 nor more than \$500 for each offense.

[Ord. No. 2004-62]

**ARTICLE V – ADDITIONS, COMPLETIONS, MODIFICATIONS, AND AMENDMENTS TO THE INTERNATIONAL RESIDENTIAL CODE FOR ONE- AND TWO-FAMILY DWELLINGS – 2012 EDITION**

**Sec. R 101.1 through Sec. R313.3 Modifications.**

[Ord. No. 2014-07]

The numbered subsections of this section correspond to sections of the International Residential Code for One- and Two-Family Dwellings - 2012 Edition which are completed, modified, amended or deleted thereby.

SEC. R101.1 TITLE.

These provisions shall be known as the Residential Code for One- and Two-Family Dwellings of the City of Bloomington, shall be cited as such and shall be referred to herein as "this Code."

[Ord. No. 2014-07]

TABLE R301.2(1)

Insert the following into the Climatic and Geographic Design Criteria Table R 301.2(1)

Ground snow load (pounds per square foot) = 30

Wind Design speed (mph) = 90 mph

Wind Design Topographical Effects - No

Seismic Design Category = B

Subject to damage from:

Weathering = Severe

Frost line depth = minimum depth of 40 inches below finish grade

Termite = Moderate to Heavy

Winter design temp. = -4° F.

Ice shield under-layment required = Yes

Flood Hazards = The Flood Insurance Study for the "City of Bloomington," dated "February 9, 2001," as amended or revised.

Air Freezing Index = 1,500

Mean Annual Temp. = 52

[Ord. No. 2014-07]

Part VII - PLUMBING. Chapters 25 through 32

The design and installation of plumbing systems, including sanitary and storm drainage, sanitary facilities, water supplies and stormwater and sewage disposal in buildings shall comply with the requirements of the Illinois State Plumbing Code currently adopted by the City.

SEC. R105.2 WORK EXEMPT FROM PERMIT.

Modify the section by deleting Subsections 1, 2, 3, 4, 5 and 10.

[Ord. No. 2014-07]

SEC. R112 BOARD OF APPEALS.

Modify by deleting the section in its entirety.

[Ord. No. 2014-07]

SEC. R313 AUTOMATIC FIRE SPRINKLER SYSTEMS.

Modify by deleting the section in its entirety.

[Ord. No. 2014-07]

SEC. R313.1 TOWNHOUSE AUTOMATIC FIRE SPRINKLER SYSTEMS.

Modify by deleting the section in its entirety.

[Ord. No. 2014-07]

SEC. R313.1.1 DESIGN AND INSTALLATION.

Modify by deleting the section in its entirety.

[Ord. No. 2014-07]

SEC. R313.2 ONE- AND TWO-FAMILY DWELLINGS AUTOMATIC FIRE SYSTEMS.

Modify by deleting the section in its entirety.

[Ord. No. 2014-07]

SEC. R313.2.1 DESIGN AND INSTALLATION.

Modify the language to read as follows:

When provided, automatic residential fire sprinkler systems shall be designed and installed in accordance with Section P2904 or NFPA 13D/2010.

[Ord. No. 2014-07]

SEC. R313.3 AUTOMATIC FIRE SPRINKLER SYSTEMS; MANDATORY OFFER REQUIRED.

A contractor or builder of a one- or two-family dwelling subject to the International Residential Code shall:

(a) Offer to the prospective purchaser or buyer the option to install, at the buyer's expense, an automatic fire sprinkler system in the building or dwelling unit designed and installed in accordance with the provisions of Section R313.2.1 (relating to design and installation of automatic fire sprinkler systems) of the International Residential Code (2012 edition).

[Ord. No. 2014-07]

(b) Provide the prospective purchaser or buyer with information explaining the costs and benefits of installing and maintaining an automatic fire sprinkler system in the building or dwelling unit. The information provided shall include the following publications from the Home Fire Sprinkler Coalition:

(i) *Protect What You Value Most*

(ii) *The Future of Fire Safety Here Today*

(iii) *Now That You're Living With Sprinklers*

(c) Before issuance of a building permit for any one- or two-family residence, the contractor/applicant shall provide to the Community Development Department a document signed by both the contractor and prospective purchaser or buyer (or in the case of one or two-family dwellings built prior to having an identified buyer (commonly known as "spec homes"), signed by the contractor in place of the prospective purchaser or buyer) stating that the contractor



## **ARTICLE VII – ADDITIONS, COMPLETIONS, MODIFICATIONS, AND AMENDMENTS TO THE INTERNATIONAL MECHANICAL CODE – 2012**

### **Sec. 101.1 through Sec. M-130.5 Modifications.**

[Ord. No. 2014-07]

The numbered subsections of this section represent additions to the International Mechanical Code 2012 or correspond to Sections of said Code which are completed, modified, amended or deleted thereby.

#### **SEC. 101.1 TITLE.**

These regulations shall be known as the Mechanical Code of the City of Bloomington hereinafter referred to as the Mechanical Code or "this Code."

[Ord. No. 1998-51]

#### **SEC. 106.5.2 FEE SCHEDULE.**

The fees for all mechanical work shall be as shown in Article IV, Section 108.11.

[Ord. No. 2003-54]

#### **SEC. 106.5.3 FEE REFUNDS.**

The Building Official is authorized to establish a refund policy. In the case of a revocation of a permit or abandonment or discontinuance of a work project, no fees shall be subject for refund.

[Ord. No. 2003-54]

#### **SEC. 108.4 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, install, construct, alter or repair mechanical equipment or systems in violation of the approved construction documents or directive of the Code Official/Building Official, or of a permit or certificate issued under the provisions of this Code shall be guilty of a misdemeanor, punishable by a fine of not more than \$500 or by imprisonment not exceeding six months, or both such fine and imprisonment. A separate offense shall be deemed committed each day that a violation continues.

[Ord. No. 2003-54]

#### **SEC. 108.5 STOP-WORK ORDERS.**

Upon notice from the Code Official/Building Official that mechanical work is being done contrary to the provisions of this Code or in a dangerous or unsafe manner, such work shall immediately cease. Such notice shall be in writing and shall be given to the owner of the property, or to the owner's agent, or to the person doing the work. The notice shall state the conditions under which work is authorized to resume. Where an emergency exists, the Code Official/Building Official shall not be required to give a written notice prior to stopping the work. Any person who shall continue any work on the system after having been served with a stop-work order, except such work as that person is directed to perform to remove a violation or unsafe condition, shall be liable to a fine not less than \$100 or more than \$500.

[Ord. No. 2003-54]

SEC. M-130.0 LICENSING OF MECHANICAL CONTRACTORS.

SEC. M-130.1 MECHANICAL WORK; LICENSE REQUIRED.

It shall be illegal for any person to do work pertaining to any heating, cooling, ventilating, refrigeration systems, or gas piping systems without being a licensed mechanical contractor.

A building-occupant of a single-family residence can install or do mechanical work in his own house, including accessories of the same without a license but is subject to all other provisions of this Code.

To qualify as a builder-occupant, the single-family residence to be worked on must be resided in by the builder-occupant for a period of at least one year from the date an occupancy certificate is issued and/or a final inspection is completed.

[Ord. No. 2014-07]

SEC. M-130.2 MECHANICAL BUSINESS; LICENSE REQUIRED.

(a) Except as provided in Subsection (b) below, every person who shall desire to practice the business of a mechanical contractor shall first obtain a license to do so as provided by this chapter.

[Ord. No. 2014-07]

(b) All manufacturing and commercial establishments that have a qualified maintenance staff to do the mechanical work must secure a premises-only license to do mechanical work on their own premises. The application must be filed by the authorized representative of such manufacturing or commercial establishment, and the license must be in the company, the firm, limited liability company or corporation's name. No bond is required in connection with such premises-only license. Permits must be taken out on all installations and major repairs, and inspection of the same requested upon completion.

[Ord. No. 2013-68]

SEC. M-130.3 EXAMINATION PREREQUISITE TO ISSUANCE.

Every applicant for any license required by this Mechanical Code must pass the N29 National Standard Master Mechanical examination, proctored by the International Code Council's (ICC) Contractor/Trades examination program. The exam shall be based on the most recent editions of the codes available. The cost of the exam shall be responsibility of the applicant.

(a) Application for License. Application for a license as a mechanical contractor, shall be made to the Community Development Department upon forms provided by the department. The application shall state the type of contracting in which the applicant is engaged; that he, or the partnership of which he is a member or a corporation of which he is an officer or representative, is a party directly interested in the license; if a nonresident, the address of his place of business; and if the application is for a license to be issued in the name of the partnership or corporation, the correct name thereof, the location of its principal office, and the length of time such partnership or corporation has been in existence.

(b) Applicant's Qualifications. An applicant for a license as a mechanical contractor as defined in this Mechanical Code shall be at least 21 years of age and shall have had at least four years' practical experience in the field or class in which a license is desired, or shall have satisfactorily completed a course in the subject for which the license is sought given by a recognized school, plus one year practical experience in the same, or shall be a registered professional engineer.

[Ord. No. 2017-96]

#### SEC. M-130.4 BONDS, EXAMINATION, INSURANCE AND LICENSE FEES.

(a) Bond Required of Applicant.

(1) Any person applying for a new or renewed license required by this Mechanical Code shall execute and deliver to the City Clerk a bond in the penal sum of \$2,000 payable to the City or a continuation certificate for the same. Such bond shall be made for the use and benefit of the owner of, or any party in interest in the property where the Licensee furnishes any material furnished in violation of the requirements of any law of the State or Code of the City governing such work. The Secretary of the Board shall report to the Board as to the existence and sufficiency of such bond. The bond will be used to correct or complete a project in accordance to the laws and Codes of the City when the contractor fails or is unable to do the same upon written notice from the City.

[Ord. No. 1993-79]

(2) The requirements of Subsection (1) above shall not preclude the Building Official from requiring, at his discretion, additional bond commensurate with the size of a project if he deems it necessary.

(b) Renewals; Expiration of License. Any person holding a valid license as a Mechanical Contractor from the City of Bloomington on the effective date of this Ordinance shall have the right, without further examination, to obtain a License from the Building Board of Appeals and a license each year thereafter from the City Clerk upon the payment to the City Clerk of a license fee, certificate of liability insurance, and the execution of a bond as required by this chapter.

The license fee for an annual renewal of a license shall be \$75. All licenses and renewals of the same shall expire on the 31st day of December of each year, and a renewal shall be obtained on or before January 31st of the following year.

Any license forfeited for nonpayment of the renewal fee may be reinstated upon the payment of the annual renewal fee, plus \$25 for each month, or portion of a month that such delinquency has continued; provided, however, that after the same has been delinquent and not in force on March 1st of any year, then the same shall be null and void and shall not be renewed.

[Ord. No. 2013-68]

(c) Licenses for Partnerships, Limited Liability Companies, and Corporations. No partnership, limited liability company, or corporation shall practice or engage in the business of a Contractor, unless a member of the partnership, or an officer or duly authorized representative of such corporation shall obtain a license to be issued to him in behalf of and for the benefit of such partnership, limited liability company, or corporation, which shall be so named in such license, the license shall be issued only if such member of such firm, or officer or representative of such corporation, is personally qualified and complies with all of the provisions of this chapter.

[Ord. No. 2013-68]

(d) Reciprocal Provisions. Any person, firm, limited liability company, or corporation who is registered or licensed for the current year in any jurisdiction where the requirements of registration or license were at the date of such registration or license substantially equal to the requirements in force in this City and such jurisdiction extends a similar privilege to the persons registered and licensed under this Mechanical Code, they shall not be required to take an examination, but shall pay a registration fee of \$75 as provided in this chapter, to engage in mechanical contracting for such year in this City, and shall file a copy of his registration or license with the Secretary of the Building Board of Appeals.

[Ord. No. 2013-68]

(e) Liability Insurance Required of Applicant. A satisfactory certificate of liability insurance against any form of liability with a minimum of \$100,000 for property damage and \$300,000 for personal injury. The insurance shall be maintained in full force and effect during the term of the registration and said insurance or certificate provide that the City be notified of any cancellation of the insurance 10 days prior to the date of cancellation.

[Ord. No. 2014-07]

#### SEC. M-130.5 LICENSE SUSPENSION, REVOCATION AND/OR MONETARY PENALTY.

(a) Following a hearing as set forth in § 10-212 of this chapter, the Board may suspend, revoke, or fine a licensee for any of the following reasons:

(1) Failure to obtain a permit as required under this chapter or any other provision of the Bloomington City Code, State or Federal law;

(2) Taking out or obtaining a permit required by this chapter for work to be done by another person, firm or other legal entity not employed or otherwise under the supervision and control of the permitted;

(3) Abandonment without reasonable cause of any project or operation engaged in or undertaken by the licensee as a contractor as defined in this chapter;

(4) Conviction of fraud in the furnishing of mechanical work;

(5) Deliberate disregard of the Mechanical Code, the safety or the labor laws of the State or any subdivision thereof;

(6) The refusal to correct work which has been installed improperly when directed to do so by the Director of Community Development or the Director's designee;

(7) Repeated failure to properly perform mechanical work; or

(8) Failure to pay any fine when due owed to the City of Bloomington assessed by the Building Board of Appeals, McLean County Circuit Court or other administrative or judicial authority.

[Ord. No. 2017-96]

(b) The Building Board of Appeals may fine a licensee not less than \$50 nor more than \$500 for doing any prohibited act or failing to do any required or specified act referred to herein. A separate offense shall be deemed committed for each day during or on which a violation occurs or

continues. Each fine shall be paid on or before the payment date set by the Board of Appeals, court or administrative agency and, if an order does not specify a payment date, each fine shall be due and payable in full on or before the fourteenth-day following the date the order is entered by the Board, court or agency. In the event any fine is not so paid, it shall be a debt to the City of Bloomington which shall be collectible in the small claims court or in any other court in which debts to the City may be sued for and collected.

[Ord. No. 2013-68]

(c) The term "licensee" and/or "person" shall mean any person, partnership, limited liability company, corporation or other legal entity as the context of applying the facts of a particular case to these provisions indicates is proper. Every act or omission of any nature constituting a violation of any of the provisions of this act by, for or on behalf of any licensee or any director, manager, agent, or employee of any licensee shall be deemed to be the act of such licensee, and shall be punishable in the same manner as if such acts or omission had been done, or not done by the licensee personally.

[Ord. No. 2013-68]

## **ARTICLE VIII – ADDITIONS, COMPLETIONS, MODIFICATIONS, AND AMENDMENTS TO THE INTERNATIONAL FUEL GAS CODE – 2012**

### **Sec. 101.1 through 108.5 Modifications.**

[Ord. No. 2011-58]

The numbered subsections of this section represent additions to the International Fuel Gas Code 2009 or correspond to Sections of said Code which are completed, modified, amended or deleted thereby.

#### **SEC. 101.1 TITLE.**

These regulations shall be known as the Fuel Gas Code of the City of Bloomington hereinafter referred to as the Fuel Gas Code or "this Code."

[Ord. No. 2003-54]

#### **SEC. 106.5.2 FEE SCHEDULE.**

The fees for all work shall be as shown in Article IV, Section 112.3.5.

[Ord. No. 2003-54]

#### **SEC. 106.5.3 FEE REFUNDS.**

See Article VII, Section 106.5.3.

[Ord. No. 2003-54]

#### **SEC. 108.4 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, install, construct, alter or repair work or systems in

violation of the approved construction documents or directive of the Code Official/Building Official, or of a permit or certificate issued under the provisions of this Code shall be guilty of a misdemeanor, punishable by a fine of not less than \$100 and not more than \$500. Each day that a violation continues after due notice has been served shall be deemed a separate offense.

[Ord. No. 2007-27]

#### SEC. 108.5 STOP-WORK ORDERS.

Upon notice from the Code Official/Building Official that work is being done contrary to the provisions of this Code or in a dangerous or unsafe manner, such work shall immediately cease. Such notice shall be in writing and shall be given to the owner of the property, or to the owner's agent, or to the person doing the work. The notice shall state the conditions under which work is authorized to resume. Where an emergency exists, the Code Official/Building Official shall not be required to give a written notice prior to stopping the work. Any person who shall continue any work on the system after having been served with a stop-work order, except such work as that person is directed to perform to remove a violation or unsafe condition, shall be liable to a fine not less than \$100 or more than \$500.

[Ord. No. 2003-54]

### **ARTICLE IX – ADDITIONS, COMPLETIONS, MODIFICATIONS, AND AMENDMENTS TO THE INTERNATIONAL FIRE CODE CODE – 2012**

#### **Sec. 101.1 through Sec. 3406.2.4.4 Modifications.**

#### SEC. 101.1 TITLE.

These regulations shall be known as the Fire Code of the City of Bloomington, hereinafter referred to as "this Code."

[Ord. No. 2003-54]

#### SEC. 109.3 VIOLATION PENALTIES.

Any person who shall violate a provision of this the Code or shall fails to comply with any of the requirements therefor or who shall erects, constructs, alters, add to, or repairs a building or structure in violation of an approved construction documents/plans or directive of the Code Official/Building Official, or of a permit or certificate under the provisions of this Code shall be guilty of a misdemeanor, punishable by a fine of not less than \$100 and not more than \$500. Each day that a violation continues shall be deemed a separate offense.

[Ord. No. 2007-27]

#### SEC. 111.4 FAILURE TO COMPLY.

Any person who shall continue any work in or about the structure or building after having been served with a stop order, except such work as he is directed to perform to remove a violation or unsafe conditions, shall be liable to a fine of not less than \$100 or more than \$500.

[Ord. No. 2007-27]

SEC. 3204.3.1.1 LOCATION.

Insert the following into the last sentence of Section 3204.3.1.1 to read as follows:

..." in which such storage is prohibited, except as permitted by applicable zoning and hazardous material codes and ordinances."

[Ord. No. 2003-54]

SEC. 3404.2.9.5.1 LOCATIONS WHERE ABOVE-GROUND TANKS ARE PROHIBITED.

Insert the following into the last sentence of Section 3404.2.9.5.1 to read as follows:

..."in which such storage is prohibited, except as permitted by applicable zoning and hazardous material codes and ordinances."

[Ord. No. 2003-54]

SEC. 3406.2.4.4 LOCATIONS WHERE ABOVE-GROUND TANKS ARE PROHIBITED.

Insert the following into the last sentence of Section 3406.2.4.4 to read as follows:

..." in which such storage is prohibited, except as permitted by applicable zoning and hazardous material codes and ordinances."

[Ord. No. 2003-54]

SEC. 3804.2 MAXIMUM CAPACITY WITHIN ESTABLISHED LIMITS.

Within the limits established by law restricting the storage of liquefied petroleum gas for the protection of heavily populated or congested areas, the aggregate capacity of any one installation shall not exceed a water capacity of 2,000 gallons (7,570 L).

[Ord. No. 2007-27]

**ARTICLE IX – ADDITIONS, COMPLETIONS, MODIFICATIONS, AND AMENDMENTS TO THE INTERNATIONAL FIRE CODE CODE – 2012**

**Sec. 101.1 through Sec. 3406.2.4.4 Modifications.**

SEC. 101.1 TITLE.

These regulations shall be known as the Fire Code of the City of Bloomington, hereinafter referred to as "this Code."

[Ord. No. 2003-54]

SEC. 109.3 VIOLATION PENALTIES.

Any person who shall violate a provision of this the Code or shall fails to comply with any of the requirements therefor or who shall erects, constructs, alters, add to, or repairs a building or structure in violation of an approved construction documents/plans or directive of the Code Official/Building Official, or of a permit or certificate under the provisions of this Code shall be

guilty of a misdemeanor, punishable by a fine of not less than \$100 and not more than \$500. Each day that a violation continues shall be deemed a separate offense.

[Ord. No. 2007-27]

#### SEC. 111.4 FAILURE TO COMPLY.

Any person who shall continue any work in or about the structure or building after having been served with a stop order, except such work as he is directed to perform to remove a violation or unsafe conditions, shall be liable to a fine of not less than \$100 or more than \$500.

[Ord. No. 2007-27]

#### SEC. 3204.3.1.1 LOCATION.

Insert the following into the last sentence of Section 3204.3.1.1 to read as follows:

..." in which such storage is prohibited, except as permitted by applicable zoning and hazardous material codes and ordinances."

[Ord. No. 2003-54]

#### SEC. 3404.2.9.5.1 LOCATIONS WHERE ABOVE-GROUND TANKS ARE PROHIBITED.

Insert the following into the last sentence of Section 3404.2.9.5.1 to read as follows:

..."in which such storage is prohibited, except as permitted by applicable zoning and hazardous material codes and ordinances."

[Ord. No. 2003-54]

#### SEC. 3406.2.4.4 LOCATIONS WHERE ABOVE-GROUND TANKS ARE PROHIBITED.

Insert the following into the last sentence of Section 3406.2.4.4 to read as follows:

..." in which such storage is prohibited, except as permitted by applicable zoning and hazardous material codes and ordinances."

[Ord. No. 2003-54]

#### SEC. 3804.2 MAXIMUM CAPACITY WITHIN ESTABLISHED LIMITS.

Within the limits established by law restricting the storage of liquefied petroleum gas for the protection of heavily populated or congested areas, the aggregate capacity of any one installation shall not exceed a water capacity of 2,000 gallons (7,570 L).

[Ord. No. 2007-27]

## **ARTICLE X – ADDITIONS, COMPLETIONS, MODIFICATIONS, AND AMENDMENTS TO THE INTERNATIONAL EXISTING BUILDING CODE – 2012**

### **Sec. 101.1 through 1201.2 Modifications.**

The following sections are hereby revised:

SEC. 101.1 TITLE.

These regulations shall be known as the Existing Building Code of the City of Bloomington, hereinafter referred to as "this code."

[Ord. No. 2003-54]

SEC. 1301.2 APPLICABILITY.

Insert the following into the first sentence of Section 1301.2 to read as follows:

"Structures existing prior to January 1, 1955," .....

Remainder of section unchanged.

[Ord. No. 2007-27]

## **CHAPTER 15 – ELECTRICITY**

### **ARTICLE III – ELECTRICAL CODE**

#### **Ch. 15, Sec. 24 Electrical Code modifications - additional provisions.**

The following modifications and/or additional provisions are hereby adopted and included in and as a part of the Electrical Code of the City and shall supersede any other provisions of this Code:

- A. Type AC or MC cables shall have an enclosed ground conductor equal in size to the current carrying conductors and used in concealed applications only.
- B. Type "S" fuses and fuse adapters for plug fuses are mandatory, unless circuit breaker type panels are installed.
- C. The use of # 10 gauge or smaller aluminum or copper-clad aluminum wire is prohibited.
- D. All snap or toggle switches used in any location shall be of a type which has an equipment ground terminal.
- E. Ceiling mounted lighting outlet boxes in dwelling units more than three feet from any wall shall be ceiling (paddle) fan listed and be secured according to the listing installation instructions. Garages and closets not having ceiling fans are excluded.
- F. Section 210.8 - Ground-Fault Circuit-Interrupter Protection for Personnel is hereby modified as follows:
  - (1) In dwelling units, GFCI protection is not required for receptacles in garages, that are not readily accessible and use a single receptacle located within the ceiling space for a garage

opener that, in normal use, is not easily moved from one place to another and that is cord-and-plug connected.

(2) In dwelling units, GFCI protection is not required for receptacles in unfinished basements not intended as habitable rooms and limited to storage areas, work areas, and the like, with receptacles that are not readily accessible, a single receptacle for sump pump use or a duplex receptacle for two sump pumps located within dedicated space for each sump pump that, in normal use, is not easily moved from one place to another and that is cord-and-plug connected.

[Ord. No. 2008-17]

## **CHAPTER 34 – PLUMBING**

### **ARTICLE X – ADDITIONS, DELETIONS, MODIFICATIONS TO THE 2004 ILLINOIS STATE PLUMBING CODE**

Ch. 34, Sec. 130 Plumbing fixtures.

- A. Only fixtures used for personal hygiene shall be installed in a rest room.
- B. Commercial. Hand washing lavatory shall be installed in the same room as the water closet.
- C. Mop sink, service sink and similar fixtures shall not be located next to or in the same room used for a gas fired furnace, boiler, or water heater.

[Ord. No. 2005-73]

Ch. 34, Sec. 131 Interceptors required.

A. It is required that grease interceptors (traps) be located outside the building and shall be accessible for maintenance purposes. See illustrations in the Illinois State Plumbing Code.

(1) Exception. When property restrictions prevent a grease interceptor to be located outside of an existing building, i.e., downtown buildings, strip and shopping malls, Plumbing Drainage Institute (PDI) approved grease interceptor may be allowed in lieu of the required outside grease interceptor. Such interceptor shall be installed with an approved solid interceptor located before the grease interceptor.

B. All restaurants which require a grease interceptor as per the Illinois State Plumbing Code shall install a minimum 1,000 gallon outside interceptor. Sandwich bars and carryout services which only prepare (not cooked foods) cold sandwiches shall install a minimum 250 gallon grease interceptor or as described in above code section.

C. Any business or individual which causes the City's sewer to become laden or plugged with fats, oils, grease, or other substance will be required to reimburse a minimum of \$2,500 (first offense) or actual cost whichever is greater to the City of Bloomington for any cost related to cleaning of said sewer. Fines will double for every reoccurrence of this violation.

[Ord. No. 2013-03]

Ch. 34, Sec. 132 Swimming pools, spas, etc.

[Ord. No. 2005-73]

All piping related to the proper operation of a swimming pool, spas, or the like are part of plumbing work and must comply with the State of Illinois Plumbing Code and this chapter including necessary permits required.

**EXHIBIT B**  
**RECOMMENDED ICC AND CITY CODE AMENDMENTS**

**CHAPTER 10 – BUILDING CODE**

That Bloomington City Code Chapter 10 Building Code shall be and the same is hereby amended to read as follows (additions are indicated by underlining; deletions are indicated by strikeouts):

**ARTICLE II – SCOPE OF CHAPTER**

**Sec. 13 Adoption of International Building Code – ~~2012~~ 2018.**

**A.** There is hereby adopted for the purpose of establishing minimum regulations governing the design, construction, alteration, enlargement, repair, removal, demolition, equipment installation, use and occupancy, location, conditions and maintenance of all property, buildings and structures; by providing the standards for supplied utilities and facilities and other physical things and conditions essential to ensure that structures are safe, sanitary and fit for occupation and use; and the condemnation of buildings and structures unfit for human occupancy and use and the demolition of such structures as herein provided; providing for the issuance of permits, collection of fees and penalties, a Building Code known as the International Building Code ~~2012~~ 2018 edition, including Appendix Chapters C and J, as published by the International Code Council, Inc., and the whole thereof, hereinafter referred to as the International Building Code, save and except such portions as are deleted, modified or amended in Article **IV** of this chapter, of which Code not less than one copy has been and now is filed in the office of the Clerk of the City of Bloomington. The provisions of said Code are hereby adopted and incorporated as fully as if set out at length and the provisions thereof shall be controlling in regard to all property, buildings and structures within the corporate limits of the City.

**B.** In addition to the one copy of the International Building Code ~~2012~~ 2018, which has been on file in the office of the City Clerk of the City, for use and examination by the public, at least one copy of said Code shall be kept on file in the office of the Economic and Community Development Department for public inspection.

**Sec. 14 Adoption of the International Residential Code for One- and Two-Family Dwellings – ~~2012~~ 2018.**

**A.** There is hereby adopted the ~~2012~~ 2018 edition of the International Residential Code for One- and Two-Family Dwellings, including Appendix Chapters E, F, ~~G~~, H, I, J, K, ~~and O~~, and Q as

published by the International Code Council Inc. for the purpose of regulating and governing the construction alteration, movement, enlargement, replacement, repair, equipment, location, their appurtenances and accessory structures, or maintenance of building, mechanical, and electrical systems, removal and demolition of detached one and two-family dwellings and multiple single-family dwellings (townhouses) not more than three stories in height with separate means of egress in the City of Bloomington; providing for the issuance of permits and collection of fees therefor; and each and all of the regulations, provisions, penalties, conditions and terms of said Residential Code of which not less than one copy has been and now is filed in the office of the Clerk of the City of Bloomington, 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, set forth in Article V of this chapter.

**B.** In addition to the one copy of the International Residential Code for One- and Two-Family Dwellings – ~~2012~~ 2018, on file in the office of the City Clerk, at least one copy of said Code shall be kept on file in the office of the Economic and Community Development Department for public inspection.

**Sec. 15 Adoption of the International Swimming Pool and Spa Code – 2018.**

**A.** There is hereby adopted by the City Council for the purpose of regulating and controlling the design, construction, alteration, movement, renovation, replacement, repair and maintenance of aquatic recreation facilities, pools and spas in the City of Bloomington, the International Swimming Pool and Spa Code, 2018, as published by the International Code Council, Inc. Save and except such portions as are deleted, modified or amended in Article VII of this chapter, of which Code not less than one copy has been and now is on file in the office of the Clerk of the City of Bloomington.

**B.** All references to the "Board of Appeals," "Board" or similar reference shall be considered as references to the Building Board of Appeals established in Bloomington City Code Chapter 2, § 2-302, and § 10-212 of this chapter, unless a contrary reference is clearly intended by context of the reference

**Sec. 16 Adoption of the International Mechanical Code – 2012 2018.**

**A.** There is hereby adopted by the City Council for the purpose of regulating and controlling the design, construction, quality of materials, erection, installation, alteration, repair, location, relocation, replacement, addition to, use or maintenance of mechanical systems, including heating systems, ventilation systems, cooling systems, steam and hot water heating systems, hydronic piping, boiler and pressure vessels, appliances using gas, liquid or solid fuel, chimneys and vents, mechanical refrigeration systems, fireplaces, solar systems, barbecues, incinerators, and crematories in the City of Bloomington, the International Mechanical Code, ~~2012~~ 2018, as

published by the International Code Council, Inc. Save and except such portions as are deleted, modified or amended in Article **VII** of this chapter, of which Code not less than one copy has been and now is on file in the office of the Clerk of the City of Bloomington. The provisions of said Code are hereby adopted and incorporated as fully as if set out at length and the provisions thereof shall be controlling in regard to the design, construction, quality of materials, erection, installation alteration, repair, location, relocation, replacement, addition to, use or maintenance of mechanical systems, including heating systems, ventilation systems, cooling systems, steam and hot water heating systems, hydronic piping, boiler and pressure vessels, appliances using gas, liquid or solid fuel, chimneys and vents, mechanical refrigeration systems, fireplaces, solar systems, barbecues, incinerators, and crematories.

**B.** In addition to the one copy of the International Mechanical Code, ~~2012~~ 2018, which has been on file in the office of the Clerk of the City of Bloomington, for use and examination by the public, at least one copy of said Code shall be kept on file in the office of the Economic and Community Development Department for public inspection.

**Sec. 17 Adoption of the International Fuel Gas Code – ~~2012~~ 2018.**

**A.** There is hereby adopted the ~~2012~~ 2018 edition of the International Fuel Gas Code, regulating and governing fuel gas systems and gas-fired appliances in the City of Bloomington; providing for the issuance of permits and collection of fees therefor; That a certain document, one copy of which is on file in the office of the City of Clerk of the City of Bloomington, being marked and designated as the International Fuel Gas Code, ~~2012~~ 2018 edition, including Appendix Chapters A, B, C and D, as published by the International Code Council, be and is hereby adopted as the Fuel Gas Code of the City of Bloomington, and each and all of the regulations, provisions, penalties, conditions and terms of said Fuel Gas Code on file in the office of the City Clerk of the City of Bloomington 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 Article **VIII** of this chapter.

**Sec. 18 Adoption of the International Fire Code – ~~2012~~ 2018.**

**A.** There is hereby adopted the ~~2012~~ 2018 edition of the International Fire Code, at least one copy of which is on file in the office of the City Clerk of the City of Bloomington, being marked and designated as the International Fire Code, including Appendix Chapters B, C, D, E, F and G, as published by the International Code Council, be and is hereby adopted as the code of the City of Bloomington for regulating and governing the safeguarding of life and property from fire and explosion hazards arising from the storage, handling and use of hazardous substances, materials and devices, and from conditions hazardous to life or property in the occupancy of buildings and premises in the City of Bloomington and providing for the issuance of permits for hazardous uses or operations; and each and all of the regulations, provisions, conditions and

terms of such International Fire Code, ~~2012~~ 2018 edition, published by the International Code Council, on file in the office of the City Clerk 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 Article IX of this chapter.

**Sec. 19 Adoption of the International Existing Building Code – ~~2012~~ 2018.**

**A.** There is hereby adopted the ~~2012~~ 2018 edition of the International Existing Building Code, regulating and governing the repair, alteration, change of occupancy, addition, and relocation of existing buildings, including historic buildings, in the City of Bloomington; providing for the issuance of permits and collection of fees therefor, at least one copy of which is on file in the office of the City Clerk of City of Bloomington, being marked and designated as the International Existing Code, ~~2012~~ 2018 edition, including Appendix A, B and C as published by the International Code Council, and each and all of the regulations, provisions, penalties, conditions and term of said Existing Building code on file in the office of the City Clerk 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 Article X of this chapter.

**Sec. 20 Adoption of the International Energy Conservation Code – ~~2012~~ 2018.**

**A.** There is hereby adopted for the purpose of establishing minimum regulations governing energy efficient building envelopes and installation of energy efficient mechanical, lighting and power systems; providing for the issuance of permits, collection of fees and penalties, an energy code by the name of the International Energy Conservation Code, ~~2012~~ 2018 edition, as published by the International Code Council, Inc., and the whole thereof, hereinafter referred to as International Energy Conservation Code, save and except such portions as are deleted, modified or amended in Article IV of this chapter, of which Code not less than one copy has been and is now filed in the office of Clerk of the City of Bloomington. The provisions of said Code are hereby adopted and incorporated as fully as if set out at length and provisions thereof shall be controlling in regard to all property, buildings and structures within the corporate limits of the City.

**Sec. 23 Building Board of Appeals.**

**A.** There is hereby created a Building Board of Appeals consisting of nine members. The members of the Board shall be individuals who are qualified by experience and training to decide upon matters pertaining to building construction and shall have the specific qualifications of each discipline set forth in this section. Three members shall represent general construction, and two members each shall represent the disciplines of mechanical construction, electrical construction and plumbing.

(1) General construction. A general construction representative must be a licensed architect, licensed structural engineer, an individual having a minimum of a Master's degree in construction

technology or related field, or an individual having a minimum of five years of experience in general construction.

(2) Mechanical construction. A mechanical construction representative must be a licensed mechanical engineer or a licensed HVAC contractor with a minimum of five years of experience in HVAC installation and maintenance.

(3) Electrical construction. An electrical construction representative must be a licensed electrical engineer, or a licensed electrical contractor with a minimum of five years of experience in electrical installation and maintenance, or a graduate of a U.S. Department of Labor Electrical Apprenticeship program with a minimum of five years of experience in electrical installation and maintenance.

(4) Plumbing construction. A plumbing construction representative must be a licensed plumber with a minimum of five years of experience in plumbing or an individual with a minimum of a Bachelor's Degree in environmental science.

#### **ARTICLE IV – ADDITIONS, COMPLETIONS, MODIFICATIONS, AND AMENDMENTS TO THE INTERNATIONAL BUILDING CODE – ~~2012~~ 2018**

##### **Sec. 101.1 through Sec. 3302.2 Modifications.**

The numbered subsections of this section correspond to sections of the International Building Code - ~~2012~~ 2018 or correspond to the Sections of said Code which are added to, completed, modified, amended or deleted as shown in the Sections herein.

##### **SEC. 103.1 CREATION OF ENFORCEMENT AGENCY.**

The Department of Economic and Community Development of the City of Bloomington (referred to herein as the Department of Building ~~Inspection~~ Safety) is hereby created and the executive official in charge thereof shall be known as the Code Official and/or Building Official.

##### **SEC. 105.8 ISSUANCE OF PERMIT - OCCUPANCY PROHIBITED STRUCTURE.**

No building permit shall be issued for any building which the City of Bloomington Economic and Community Development ~~Division~~ Department has posted "No Occupancy" (hereafter referred to as "posted building") except in conformity with the provisions of this section.

(a) Scope of Permit. A building permit for a posted building shall cover all work needed to bring the building into conformity with all relevant Codes of the City of Bloomington without regard to whether a building permit would otherwise be requested for such work.

(b) Application for Permit. An application for a building permit for a posted building shall include the following information:

(1) Sufficient plans and/or drawings showing how the building will be brought into conformity with applicable Codes;

(2) A realistic cost estimate of material needed to bring the building into compliance with applicable Codes and a cost estimate from a licensed contractor if the contractor is to perform the work;

- (3) A reasonable timetable for completion of repairs;
- (4) Evidence of financial capacity and ability to make repairs approved by the Economic and Community Development Department.
- (c) Processing Application. The Building Safety Division shall issue a building permit for the posted house/structure if, but only if, it has determined:
  - (1) The plans and drawings show repairs which, if made, would bring the building into compliance with applicable Codes;
  - (2) The Economic and Community Development Division Department has determined that:
    - (a) Cost estimates reasonably reflect the likely cost of materials and labor necessary to bring the building into compliance with applicable Codes; and
    - (b) The applicant has purchased or has immediate access to sufficient funds to pay for necessary materials and labor; and
    - (c) If the applicant intends to make the repairs himself, he possesses the necessary skills to complete the job in conformity with applicable Codes; and
    - (d) The timetable presented for completion of repairs is reasonable.

#### **SEC. 105.9 REPAIR OR DEMOLISH LITIGATION - MORATORIUM ON PERMITS.**

Whenever the City of Bloomington has issued fifteen-day notices to repair or demolish pursuant to Section 11-31-1 et seq. of the Illinois Municipal Code (Ill. Rev. Stat. Ch. 24, § 11-31-1 et seq.[1]) with respect to any property, the Building Safety Division shall not issue any building permit for work on any such property. In any case where the Economic and Community Development Department has issued a building permit for work on such property, the Director or his designee shall inspect the progress of work done under the permit and if the work has not proceeded on schedule, the Director or his designee shall suspend the building permit and order all work on the property under the permit stopped. Permits suspended or not issued under this section shall not be issued until the Economic and Community Development Division Department removes the property from its list of buildings to be repaired or demolished, or as may be provided in an order of Court.

#### **SEC. 105.10.3 APPLICATION FOR PERMIT; SCHEDULE FOR DEMOLITION REQUIRED.**

(1) Every application for a demolition permit shall contain a proposed schedule for demolition indicating, at a minimum, the date upon which demolition activities will commence and a date by which the demolition will be completed. Said schedule shall be reviewed by the Director of Economic and Community Development, who may approve, reject or propose modifications thereto. The Director's determination shall be in writing and, in the event the schedule is rejected or modifications are proposed, shall state the reasons for the determination. No permit for demolition shall issue without containing a schedule for demolition approved by the Director of Economic and Community Development and the signature of the demolition contractor or an

authorized representative agreeing to perform the demolition in accordance with the dates stated in the schedule.

**SEC. ~~408.5~~ 109.5 RELATED FEES.**

The payment of the fee for the construction, alteration, removal or demolition and for all work done in connection with or concurrently with the work contemplated or authorized by a building permit, shall not relieve the applicant or holder of the permit from the payment of other fees that may be prescribed by law or ordinance for water taps, sewer connections, electrical permits, HVAC permits, plumbing permits, erection of signs and display structures, marquees or other appurtenant structures or fees of inspections, certificates of use and occupancy or other privileges or requirements, both within and without the jurisdiction of the Department of Economic and Community Development; including, but not limited to, sewer connection charges imposed pursuant to Ordinance Nos. 547 and 548 of the Bloomington/Normal Water Reclamation District.

**SEC. ~~408.6~~ 109.6 REFUNDS.**

In the case of a revocation of a permit or abandonment or discontinuance of a work project, no fees shall be subject for refund.

**SEC. ~~408.7~~ 109.7 FEE SCHEDULES.**

(a) General. The fee for permits for work regulated by any Code adopted by reference into Bloomington City Code Chapter 10 shall be set forth in the Schedule of Fees. The fee for a permit shall be based on the reasonable cost/value of the improvement, including material and labor. If the Code Official/Building Official determines that the applicant's estimate of the cost of the improvement is unreasonable, the permit fee shall be established according to the provisions of Subsection (c) of this section. One and Two-family dwellings shall be calculated per Subsection (d) of this section. The Code Official's/Building Official's determination of reasonability of the applicant's estimate shall be appealable as provided in Sections 121.1 and 121.1.1 of this Code.

[Ord. No. 2018-89]

(b) (Reserved)

(c) Alternate Method of Establishing Cost of Improvement or Valuation. Should the declared estimated value of improvements, which is the basis of permit fee calculation, be deemed unreasonable by the Code Official/Building Official, the most recent Building Valuation Data Report of the International Code Council Inc., or equal will be used in establishing the correct valuation.

NOTE:

(1) The applicable Schedule of Fees is applicable to each building on a lot considered separately as independent fire areas. For purposes of this section, any structure under one roof shall be considered one building.

(2) The Director of Economic and Community Development may waive or adjust the amount of the fee for any permit required by this chapter.

(d) Fees for new one and two family homes shall be calculated on the gross area of the dwelling based on the Schedule of Fees.

(e) Definitions. For clarity, the following definitions and guidelines are herein incorporated:

(1) Estimated cost/value include all cost of labor and material given a fair market value. A contractor-owner contract or letter of acceptance, certified architect-engineer estimate or accepted bid, or equivalent shall be acceptable as estimated cost adjusted only as allowed by other provisions of this section.

(2) Allowed exclusions from the estimated cost for fee consideration are the costs of the following:

a. Painting;

b. Nonstructural embellishments;

c. Permanent cabinetry or shelving not affecting area, exiting or fire rating requirements of the Code;

d. Except in residential occupancy/use, fixtures not basic to the occupancy or use of the building/structure, except lighting fixtures;

e. Fixtures, devices, equipment, and appliances covered by a separate permit;

f. Landscaping not required by statute.

(3) For the purposes of clarification, the following costs are included in the estimated cost:

a. Excavation work for foundations and subgrade structures;

b. Rough grading for drainage;

c. Dust proofing of parking lots/spaces including drainage facilities as approved and endorsed to the department by the Public Works Department;

d. Work required by zoning, rezoning, or annexation conditions under the department's supervisory jurisdiction.

(4) The estimated cost for permit and fee considerations of temporary buildings/structures shall be the labor cost of assembling, disassembling, and disposal or moving without affecting regular street traffic.

(f) Fee Surcharge. Any work undertaken without a permit shall be subject to a surcharge of 100% of the regular charge or \$50, whichever is greater, upon issuance of a valid permit. This shall be construed as a supplemental penalty accruing regardless of any imposition provided for in Section 116.4 of this Code.

(g) A fee will be required for the review of construction documents/plans, other than 1 and 2 family dwellings, for work regulated by any code adopted or by referenced by Bloomington City Code Chapter 10. The fee for this review shall be of the reasonable value/cost of each separate project shall be as set forth in the Schedule of Fees.

If the Code Official/Building Official determines that the applicant's estimate of the value/cost for the project is unreasonable, the value of the project shall be as established according to the provisions of Subsection (c) of this section. Appeals shall be provided for in Sections 121.1 and 121.1.1 of this Code.

**SEC. ~~408.8~~ 109.8 MOVING OF BUILDINGS.**

A permit to move a building or structure shall be issued by the Code Official/Building Official only after clearances are obtained from the Police Department and the Public Works Department of the City, as required by Bloomington City Code Chapter 38, Article VII. Issuance of a moving permit does not relieve the permittee from any obligation of complying with all other City Codes insofar as they may be applicable. The moving permit shall not be construed as a building permit. The moving permit fee shall be calculated on the estimated cost of moving including loading and/or unloading within the City limits. If unloading is related to a building permit, the same will be excluded from the estimated moving cost. The fee to be charged for such permit shall be as set forth in the Schedule of Fees.

**SEC. ~~408.9~~ 109.9 DEMOLITION FEES.**

The fee for a demolition permit shall be based on the estimated cost of demolition per building/structure including work on filling, grading, cleaning or safeguarding of the site. A permit shall be issued only after clearance from the utility companies has been obtained. The fee scales as set forth in the Schedule of Fees shall apply for each building/structure to be demolished.

**SEC. ~~408.11~~ 109.11 MECHANICAL WORK (HVAC) AND FEES.**

The permit fee for all work covered by provisions of the International Mechanical Code and/or International Fuel Gas Code of the City shall be calculated based on estimated cost/value and nature of the work proposed. "Estimated Costs" shall be calculated by totaling the cost/value of all services, labor, materials, equipment and any other appliances or devices entering into and necessary to the execution and completion of the installation or the work in an amount as set forth in the Schedule of Fees.

**~~COMMERCIAL KITCHEN HOODS FIRE SUPPRESSION SYSTEM FEE.~~**

~~The fee for a permit for commercial kitchen hoods fire suppression systems shall be based on the reasonable cost/value of the installation, including material and labor, in an amount as set forth in the Schedule of Fees.~~

**SEC. ~~408.13~~ 109.13 ELECTRICAL PERMIT FEES.**

The electrical permit fees are those provided for in Bloomington City Code Chapter 15.

**SEC. ~~108.14~~ 109.14 PLUMBING PERMIT FEES.**

The plumbing permit fees are those provided for in Bloomington City Code Chapter 34.

**SEC. ~~408.15~~ 109.15 ROOFING PERMITS.**

A permit for roofing work done by a roofing contractor as defined in the Illinois Roofing Industry Licensing Act[2] shall be issued by the Code Official/Building Official upon ascertaining that the contractor to do the work is duly and currently certified as a roofing contractor by the State of Illinois. The permit fee shall be based on the cost of the work/improvement using the fee schedule in Section ~~412.3.4~~ 109.7.

**SEC. ~~108.16~~ 109.16 AMUSEMENT DEVICE PERMITS.**

Amusement devices, i.e. carnival rides, shall be inspected. A satisfactory compliance with safety regulations shall allow a permit to be issued for their operation. The fee for said permit shall be \$50 per location.

**SEC. ~~108.17~~ 109.17 REINSPECTION FEE.**

If a contractor/owner/agent notifies the City that a project is ready for final inspection and, upon inspection the City finds the project not complete, then the City shall charge a fee of \$15 per inspector or 50% of the permit fee, whichever is greater, for each reinspection required. The fee shall be paid prior to reinspection.

**SEC. ~~108.20~~ 109.20 CONTRACTOR REGISTRATION, FEES, LIABILITY INSURANCE AND RESPONSIBILITY.**

1. Purpose: The section is intended safeguard the public safety, health and general welfare of the citizens by establishing minimum standards for contractor registration, insurance and performance.

2. Definitions: Unless otherwise expressly stated, the following words and terms shall, for the purposes of this section, be interpreted as herein defined:

(a) "Construction" means any constructing, altering, reconstructing, repairing, rehabilitating, refinishing, refurbishing, remodeling, remediation, renovating, custom fabricating, maintenance, improving, wrecking, demolishing, and adding to or subtracting from any building, structure, parking facility, or any other structure to such an extent a permit is required to be issued by the Department of Economic and Community Development.

(b) "Construction Documents" - Written, graphic and pictorial documents prepared or assembled for describing the design, location and physical characteristics of the elements of a project necessary for obtaining a building permit. Construction documents shall be drawn to an appropriate scale.

(c) "Contractor" means any sole proprietor, partnership, firm, corporation, Limited Liability Company, association or other legal entity permitted by law to do business within the State of Illinois who engages in construction as defined herein.

3. Certificate of Registration. Every person who shall desire to practice the business of a Contractor, shall first obtain a Certificate of Registration to do so as provided by this chapter. This registration is required for any contractor doing work in the City of Bloomington for which a building permit is required.

(a) The registration fee and annual renewal shall be in an amount as set forth in the Schedule of Fees. All registrations and renewals of the same shall expire on the 31st day of December of each year, and a renewal shall be obtained on or before January 31st of the following year.

(b) Any Certificate of Registration forfeited for nonpayment of the renewal fee may be reinstated upon the payment of the annual renewal fee, in an amount as set forth in the Schedule of Fees, plus \$25.

(c) Liability Insurance Required of Registrant. Contractor registrants shall provide a satisfactory certificate of liability insurance against any form of liability to a minimum amount of \$100,000 for property damage and \$300,000 for personal injury. The insurance shall be maintained in full force and effect during the term of the registration and said insurance policy, or certificate of insurance, shall provide that the City of Bloomington be notified of any cancellation or termination of the insurance 10 days prior to the date of cancellation or termination. Contractor registrants are responsible for notifying the City of said cancellation or termination as required herein and may be sanctioned, as provided in Paragraph 4(d) this section, and as provided elsewhere in the Bloomington City Code, for, failure to provide said notification.

(d) An owner/occupant of a single-family residence shall be permitted, without registration, to obtain a permit to perform construction at or on said residence, including accessories thereto; however said owner/occupant is subject to all other provisions of this Code.

(e) Construction by a building owner may be undertaken with the appropriate permits, provided the work does not include work whose performance requires a license, such as plumbing, electrical, and HVAC.

4. Contractor Responsibility: To ensure construction is meeting the minimum standards set forth in this chapter and other City, State or Federal regulations, persons conducting business as a contractor shall be responsible for the following:

(a) Registration: Contractors shall be responsible for maintaining their registration and associated liability insurance current and up to date.

(b) Construction Documents: Contractors shall be responsible for providing the appropriate construction documents as needed to obtain required permits.

(c) Permits: Contractors shall be responsible for obtaining appropriate permits prior to the start of any construction work.

(d) Violations: Contractors who fail to comply with the requirements of this section shall be subject to fines of not less than \$250 nor more than \$1000, irrespective of charges or fines that may be included in Sections 108.7(f) or 113.4 of this Code. Each day that a violation continues shall be deemed a separate violation and shall subject the violator to an additional penalty within the parameters of the fines set forth in the preceding sentence.

**SEC. ~~108.21~~ 109.21 MANUFACTURED HOME PARK FEES.**

As per § 43-108G of Chapter 43, Bloomington City Code, the Schedule of Fees will be followed for required permits in regards to manufactured homes in manufactured home parks.

**SEC. ~~108.22~~ 109.22 CONSTRUCTION TRAILER TIE-DOWN FEE.**

Any time a construction trailer is located on a construction site, a tie-down permit fee of \$30 will be charged the general contractor and/or subcontractor meeting the tie-down guidelines as identified in Chapter 43.

**SEC. ~~108.23~~ 109.23 FIRE PROTECTION SYSTEMS (SPRINKLERS) PERMITS AND FEES.**

The permit fee for all fire protection work (sprinkler systems) shall be on the reasonable cost/value of the work to be performed or the system components based on the Schedule of Fees.

**SEC. 109.23 COMMERCIAL KITCHEN HOODS FIRE SUPPRESSION SYSTEM FEE.**

The fee for a permit for commercial kitchen hoods fire suppression systems shall be based on the reasonable cost/value of the installation, including material and labor, in an amount as set forth in the Schedule of Fees.

**SEC. 108.24 109.25 ACCOUNTING.**

The Code Official/Building Official shall keep an accurate account of all fees collected; and such collected fees shall be deposited regularly in the jurisdiction treasury or otherwise disposed of as

**SEC. 442.4 113.4 FEE FOR APPEALS.**

Any petition for a variance/interpretation from the Construction Board of Appeals shall be filed with the Community Development Department, accompanied by a fee in an amount as set forth in the Schedule of Fees payable to the City of Bloomington. Each extra petition in a multiple petition shall be charged a fee in an amount as set forth in the Schedule of Fees. Any variance involved with Property Maintenance Code will be charged an amount as set forth in the Schedule of Fees per initial variance with an amount as set forth in the Schedule of Fees charged for each additional variance.

Any application for a variance/interpretation to this Code provided by the City Council, Zoning Board of Appeals, ~~Construction Board of Appeals~~, ~~Building Code Review Board~~ Board of Appeals, ~~Plumbing Board of Appeals~~, ~~Electrical Commission~~, ~~HVAC Board~~, Property Maintenance Review Board, City staff or Regional Planning Commission staff shall be exempted from the requirements of this section.

**SEC. 443.4 114.4 VIOLATION PENALTIES.**

Any person who shall violate a provision of the Code or shall fail to comply with any of the requirements therefor or who shall erect, construct, alter, add to, or repair a building or structure in violation of an approved plan or directive of the Code Official, or of a permit or certificate under the provisions of this Code shall be guilty of a misdemeanor, punishable by a fine of not more than \$500 or by imprisonment not exceeding six months, or both such fine and imprisonment. Each day that a violation continues shall be deemed a separate offense.

**SEC. 1608.4 GROUND SNOW LOADS.**

The basic ground snow loads to be assumed in the design of buildings or other structures shall be 30 pounds per square foot.

**SEC. 1612.3 FLOOD HAZARD AREAS.**

Establishment of flood hazard areas, the applicable governing authority shall adopt a flood hazard map and supporting data. The flood hazard map shall include, at a minimum, areas of special flood hazard as identified by the Federal Emergency Management Agency in an engineering report entitled "The Flood Insurance Study for the City of Bloomington, Illinois," dated July 16, 2008, as amended or revised with the accompanying Flood Insurance Rate Map (FIRM) and Flood Boundary and Floodway Map (FBFM) and related supporting data along with any revisions thereto.

The adopted flood hazard map and supporting data are hereby adopted by reference and declared to be part of this section.

**ARTICLE V – ADDITIONS, COMPLETIONS, MODIFICATIONS, AND AMENDMENTS TO THE INTERNATIONAL RESIDENTIAL CODE FOR ONE- AND TWO-FAMILY DWELLINGS – 2012 EDITION 2018**

**Sec. R 101.1 through Sec. R313.3 Modifications.**

The numbered subsections of this section correspond to sections of the International Residential Code for One- and Two-Family Dwellings - ~~2012~~ 2018 Edition which are completed, modified, amended or deleted thereby.

**TABLE R301.2(1)**

Insert the following into the Climatic and Geographic Design Criteria Table R 301.2(1)

Ground snow load (pounds per square foot) = 30

Wind Design speed (mph) = ~~90~~ 115 mph

Wind Design Topographical Effects - No

Seismic Design Category = B

Subject to damage from:

Weathering = Severe

Frost line depth = minimum depth of 40 inches below finish grade

Termite = Moderate to Heavy

Winter design temp. = -4° F.

Ice shield under-layment required = Yes

Flood Hazards = The Flood Insurance Study for the "City of Bloomington," dated "February 9, 2001," as amended or revised.

Air Freezing Index = 1,500

Mean Annual Temp. = 52

**\*\*\*RELOCATE THIS PART VII TO END OF ARTCILE V\*\*\***

**Part VII - PLUMBING. Chapters 25 through 32**

The design and installation of plumbing systems, including sanitary and storm drainage, sanitary facilities, water supplies and stormwater and sewage disposal in buildings shall comply with the requirements of the Illinois State Plumbing Code currently adopted by the City.

**ARTICLE VI – ADDITIONS, COMPLETIONS, MODIFICATIONS, AND AMENDMENTS TO THE INTERNATIONAL SWIMMING POOL AND SPA CODE – 2018**

**Sec. 101.1 through Sec. 313.3 Modifications.**

The numbered subsections of this section correspond to sections of the International Residential Swimming Pool and Spa Code 2018 Edition which are completed, modified, amended or deleted thereby.

**SEC. 101.1 TITLE.**

These regulations shall be known as the Swimming Pool and Spa Code of the City of Bloomington hereinafter referred to as the Swimming Pool and Spa Code or "this Code."

**ARTICLE VII – ADDITIONS, COMPLETIONS, MODIFICATIONS, AND AMENDMENTS TO THE INTERNATIONAL MECHANICAL CODE – 2012 2018**

**SEC. M-130.2 MECHANICAL BUSINESS; LICENSE REQUIRED.**

(a) Except as provided in Subsection (b) below, every person who shall desire to practice the business of a mechanical contractor shall first obtain a license to do so as provided by this chapter.

(b) All manufacturing and commercial establishments that have a qualified maintenance staff to do the mechanical work must secure a premises-only license to do mechanical work on their own premises. The application must be filed by the authorized representative of such manufacturing or commercial establishment, ~~and~~ the license must be in the company, the firm, limited liability company or corporation's name and must pass the N31 National Standard Journeyman Mechanical examination, proctored by the International Code Council (ICC) National Contractor/Trades Examination program. No bond is required in connection with such premises-only license. Permits must be taken out on all installations and major repairs, and inspection of the same requested upon completion.

**SEC. M-130.3 EXAMINATION PREREQUISITE TO ISSUANCE.**

Every applicant for any license required by this Mechanical Code must pass the ~~NW29~~ National Standard Master Mechanical examination, proctored by the International Code Council's (ICC) National Contractor/Trades examination Examination program. The exam shall be based on the most recent editions of the codes available. The cost of the exam shall be responsibility of the applicant.

(a) Application for License. Application for a license as a mechanical contractor, shall be made to the Community Development Department upon forms provided by the department. The application shall state the type of contracting in which the applicant is engaged; that he, or the partnership of which he is a member or a corporation of which he is an officer or representative, is a party directly interested in the license; if a nonresident, the address of his place of business; and if the application is for a license to be issued in the name of the partnership or corporation, the correct name thereof, the location of its principal office, and the length of time such partnership or corporation has been in existence.

(b) Applicant's Qualifications. An applicant for a license as a mechanical contractor as defined in this Mechanical Code shall be at least 21 years of age and shall have had at least four years' practical experience in the field or class in which a license is desired, or shall have satisfactorily completed a course in the subject for which the license is sought given by a recognized school, plus one year practical experience in the same, or shall be a registered professional engineer.

**ARTICLE VIII – ADDITIONS, COMPLETIONS, MODIFICATIONS, AND AMENDMENTS TO THE INTERNATIONAL FUEL GAS CODE – ~~2012~~ 2018**

**Sec. 101.1 through 108.5 Modifications.**

The numbered subsections of this section represent additions to the International Fuel Gas Code ~~2012~~ 2018 or correspond to Sections of said Code which are completed, modified, amended or deleted thereby.

**SEC. ~~106.5.2~~ 106.6.2 FEE SCHEDULE.**

The fees for all work shall be as shown in Article IV, Section ~~412.3.5~~ 108.11.

**SEC. ~~106.5.3~~ 106.6.3 FEE REFUNDS.**

See Article VII, Section ~~106.5.3~~ 106.6.2.

**ARTICLE IX – ADDITIONS, COMPLETIONS, MODIFICATIONS, AND AMENDMENTS TO THE INTERNATIONAL FIRE CODE CODE – ~~2012~~ 2018**

**Sec. 101.1 through 6104.2 Modifications.**

The numbered subsections of this section represent additions to the International Fire Code 2018 or correspond to Sections of said Code which are completed, modified, amended or deleted thereby.

**SEC. ~~109.3~~ 110.4 VIOLATION PENALTIES.**

Any person who shall violate a provision of this the Code or shall fails to comply with any of the requirements therefor or who shall erects, constructs, alters, add to, or repairs a building or structure in violation of an approved construction documents/plans or directive of the Code Official/Building Official, or of a permit or certificate under the provisions of this Code shall be guilty of a misdemeanor, punishable by a fine of not less than \$100 and not more than \$500. Each day that a violation continues shall be deemed a separate offense.

**SEC. ~~111.4~~ 112.4 FAILURE TO COMPLY.**

Any person who shall continue any work in or about the structure or building after having been served with a stop order, except such work as he is directed to perform to remove a violation or unsafe conditions, shall be liable to a fine of not less than \$100 or more than \$500.

**\*\*\*ALTERNATIVE ACTIONS FOR 1103.5 COMMERCIAL SPRINKLER SYSTEMS\*\*\***

**SEC. 1103.5.1 GROUP A-2. ~~\*\*\*(2018 IFC)\*\*\*~~**

Where alcoholic beverages are consumed in a Group A-2 occupancy having an occupant load of 300 or more, the fire area containing the Group A-2 occupancy shall be equipped with an automatic sprinkler system in accordance with Section 903.3.1.1.

~~\*\*\*OR\*\*\*~~

**SEC. 1103.5.1 GROUP A-2. ~~\*\*\*(AMORITIZE)\*\*\*~~**

Where alcoholic beverages are consumed in a Group A-2 occupancy having an occupant load of 300 or more, the fire area containing the Group A-2 occupancy shall be equipped with an automatic sprinkler system in accordance with Section 903.3.1.1. The automatic sprinkler system shall be installed by January 1, 2024.

~~\*\*\*OR\*\*\*~~

**SEC. 1103.5.1 GROUP A-2. ~~\*\*\*(DELETE)\*\*\*~~**

Modify by deleting the section in its entirety.

**SEC. 1103.5.3 GROUP I-2, Condition 2.**

In addition to the requirements of Section 1103.5.2, existing buildings of Group I-2, Condition 2 occupancy shall be equipped throughout with an approved automatic sprinkler system in accordance with Section 903.3.1.1. The automatic sprinkler system shall be installed by January 1, 2024.

**~~SEC. 3204.3.1.1 LOCATION.~~**

~~Insert the following into the last sentence of Section 3204.3.1.1 to read as follows:~~

~~..." in which such storage is prohibited, except as permitted by applicable zoning and hazardous material codes and ordinances."~~

**~~SEC. 3404.2.9.5.1 LOCATIONS WHERE ABOVE-GROUND TANKS ARE PROHIBITED.~~**

~~Insert the following into the last sentence of Section 3404.2.9.5.1 to read as follows:~~

~~..."in which such storage is prohibited, except as permitted by applicable zoning and hazardous material codes and ordinances."~~

**~~SEC. 3406.2.4.4 LOCATIONS WHERE ABOVE-GROUND TANKS ARE PROHIBITED.~~**

~~Insert the following into the last sentence of Section 3406.2.4.4 to read as follows:~~

~~..." in which such storage is prohibited, except as permitted by applicable zoning and hazardous material codes and ordinances."~~

**SEC. 3804.2 MAXIMUM CAPACITY WITHIN ESTABLISHED LIMITS.**

~~Within the limits established by law restricting the storage of liquefied petroleum gas for the protection of heavily populated or congested areas, the aggregate capacity of any one installation shall not exceed a water capacity of 2,000 gallons (7,570 L).~~

**SEC. 5704.2.9.6.1 LOCATIONS WHERE ABOVE-GROUND TANKS ARE PROHIBITED.**

Insert the following into the last sentence of Section 5704.2.9.6.1 to read as follows:

..."in which such storage is prohibited, except as permitted by applicable zoning and hazardous material codes and ordinances."

**SEC. 5706.2.4.4 LOCATIONS WHERE ABOVE-GROUND TANKS ARE PROHIBITED.**

Insert the following into the last sentence of Section 5706.2.4.4 to read as follows:

..." in which such storage is prohibited, except as permitted by applicable zoning and hazardous material codes and ordinances."

**SEC. 5806.2 LIMITATIONS**

Insert the following into the last sentence of Section 5806.2 to read as follows:

..." in which such storage is prohibited, except as permitted by applicable zoning and hazardous material codes and ordinances."

**SEC. 6104.2 MAXIMUM CAPACITY WITHIN ESTABLISHED LIMITS.**

Within the limits established by law restricting the storage of liquefied petroleum gas for the protection of heavily populated or congested areas, the aggregate capacity of any one installation shall not exceed a water capacity of 2,000 gallons (7,570 L) per applicable zoning and hazardous material codes and ordinances."

**ARTICLE X – ADDITIONS, COMPLETIONS, MODIFICATIONS, AND AMENDMENTS TO THE INTERNATIONAL EXISTING BUILDING CODE – 2012 2018**

**Sec. 101.1 through 101.1 Modifications.**

The numbered subsections of this section represent additions to the International Existing Building Code 2018 or correspond to Sections of said Code which are completed, modified, amended or deleted thereby.

**~~SEC. 1301.2 APPLICABILITY.~~**

~~Insert the following into the first sentence of Section 1301.2 to read as follows:~~

~~"Structures existing prior to January 1, 1955," .....~~

~~Remainder of section unchanged.~~

## CHAPTER 15 - ELECTRICITY

That Bloomington City Code Chapter 15 Electrical Code shall be and the same is hereby amended to read as follows (additions are indicated by underlining; deletions are indicated by strikeouts):

### CHAPTER 15 – ~~ELECTRICITY~~ ELECTRICAL CODE

#### ARTICLE II – ELECTRICAL CONTRACTORS

##### Sec. 5 Application for certificate of license - examination - issuance of license.

**A.** Any person, firm, limited liability company or corporation desiring to engage in the business of electrical contracting shall apply for a license to the Economic and Community Development Department, stating the name and place of business of the applicant and the name of the representative of the applicant who will act as supervisor of the work to be done under the license. Such applicant shall be at least 18 years of age shall supply a satisfactory affidavit that the applicant has had at least four years of experience being employed full-time as an Electrician or Electrician Helper installing and altering electrical wiring and apparatus for a licensed electrical contractor, with at least two of those years of experience just prior to the time of application.

**B.** Each applicant for a license under this section must ~~pass~~ have passed an examination within the past six years prior to the issuance of such license. Candidates for the Electrical Contractor License must pass the "Standard Master Electrician" examination administered by the International Code Council and/or its designated testing agent and submit proof of passing or provide proof of passing of a local exam through a standing municipal electrical commission equal to the "Standard Master Electrician" examination. In the event any applicant fails to pass said examination, he shall not present himself for reexamination before six months shall elapse from the date of his last examination.

**C.** Any person, firm, limited liability company or corporation who shall have filed proper application, paid the fee as set forth in the Schedule of Fees, passed the examination referred to in Subsection B and placed on file with the City Clerk a certificate of liability insurance in an amount not less than \$300,000 aggregate bodily injury, \$100,000 aggregate property damage, shall be entitled to receive a license to do electrical work and to engage in the business of electrical contracting in the City.

**D.** A license issued under this section can be suspended or revoked by the Building Board of Appeals, for repeated failure to perform work properly or for refusal to correct work that has been installed improperly when directed to do so by the Electrical Inspector.

**E.** The Building Board of Appeals may issue a limited license to a person, firm, limited liability company or corporation licensed as a heating contractor in the City of Bloomington. The Certificate would permit the holder to do branch circuit electrical power wiring to new heating or cooling equipment being installed in existing residential buildings. The work to be performed

under this limited certificate shall include not more than the actual branch circuitry required to serve or connect four ton or less of air conditioning or five horse power of air conditioning and heating combined, or 7,000 watts of air conditioning and heating combined. This certificate shall not permit the installation of wiring for electric heating equipment which uses electricity as the primary source of fuel, and/or heat through the use of resistance type elements or other electricity-to-heat-converter systems. The examination for this license shall be the "Standard Maintenance Electrician" examination administered by the International Code Council or its designated testing agent. The application fee shall be in an amount as set forth in the Schedule of Fees. The annual renewal fee shall be as set forth in the Schedule of Fees.

### **ARTICLE III – ELECTRICAL CODE**

#### **Sec. 9 Adoption of Electric Code.**

There is hereby adopted by the City for the purpose of establishing rules and regulations for the safe and practical installation, alteration and use of electrical equipment, including permits and penalties, that certain Electric Code known as the National Electrical Code, as published by the National Fire Protection Association, being particularly the 2014 2020 edition thereof and the whole thereof, save and except such portions as are hereinafter deleted, modified or amended, of which not less than one copy is on file in the office of the Clerk of the City and the same are hereby adopted and incorporated as fully as if set out at length herein and from the date on which the Ordinance shall take effect, the provisions thereof shall be controlling in the installation, alteration, and use of electrical equipment within the corporate limits of the City and on City owned property outside the corporate limits of the City.

#### **Sec. 10 ~~Establishment of office of Electrical Inspector.~~**

The ~~office of Electrical Inspector is hereby created who shall receive such compensations as may be provided by ordinance~~ appointed by the City Manager. He ~~The Electrical Inspector~~ shall be under the supervision of the Director of Economic and Community Development ~~Department.~~

#### **Sec. 12 Qualifications.**

No person shall be appointed ~~to the Office of~~ as Electrical Inspector who is not reasonably well skilled in the various departments of electricity and well versed in the rules or requirements of the National Electrical Code.

#### **Sec. 14 Duties and authority.**

**A.** The Electrical Inspector shall enforce all laws relating to the installation, alteration and use of electrical equipment; to see that the construction, maintenance and control of all electrical appliances and apparatus and systems of electrical wiring and systems of poles for the carriage

of said electrical wires and the electrical wiring of all buildings in the City, either public or private, and electric or illuminated signs or billboards shall conform to and comply with the rules and regulations established by this article. The Electrical Inspector, in the discharge of his official duties, and upon proper identification, shall have authority to enter any buildings, structure or premises at any reasonable hour. In dangerous situations the Electrical Inspector shall have the authority to order service discontinued to any property until such conditions are corrected. ~~Said Electrical Inspector shall have the authority to order service discontinued to any property until such conditions are corrected. Said Electrical Inspector in the work of his office shall have the same powers as a Police Officer.~~

### **Sec. 21 Inspection and tests.**

**A.** During the installation of electrical wiring systems and service equipment, the Electrical Inspector shall make inspections to insure compliance with the provisions of this chapter.

**B.** The Electrical Inspector shall within ~~one~~ two working ~~day~~ days of notification of completion by the contractor make ~~his~~ an inspection. No work in connection with an electric wiring system shall be covered or concealed until it has been inspected and permission to do so has been granted by the Electrical Inspector, and ~~he~~ the Electrical Inspector is hereby authorized to demand the removal of any flooring, lathing, plaster, sheet or metal, or other material which may conceal any electrical wiring or apparatus contrary to the provisions of this article.

**C.** On completion of the inspection of any electrical wiring or apparatus designed to be concealed and found to be in compliance with the provisions of this article, it shall be the duty of said Inspector to post a "Rough-In" inspection sticker on a location, and said sticker shall be considered as expressed permission to conceal any part of the system, but no concealment shall take place until such sticker has been posted by said Inspector.

**D.** On completion of the work, the Electrical Inspector shall inspect the work to insure compliance with all requirements.

**E.** It shall be unlawful to use or permit the use of, or to supply current for new electric wiring for heat, light or power in a building or structure, unless approved by the Electrical Inspector. No electrical current shall be turned on to such equipment so inspected, nor shall any company wires be connected therewith, until such approval is procured.

**F.** Emergency service can be performed if life or property is endangered by delay or if undue or unnecessary hardship is or will be caused by such delay. Such service must be reported to the Electrical Inspector for the purpose of obtaining ~~his~~ a property inspection within 72 hours following the performance of such service.

**G.** Any work which is rejected by the Electrical Inspector shall be corrected and reinspected within 30 days.

**H.** If, upon reinspection, an electric wiring system is found defective and unsafe, the Electrical Inspector shall revoke all certificates and permits in effect; and the use of such system shall be discontinued until it has been made to conform to this chapter and after a new permit has been issued.

## CHAPTER 34 – PLUMBING CODE

That Bloomington City Code Chapter 34 Plumbing Code shall be and the same is hereby amended to read as follows (additions are indicated by underlining; deletions are indicated by strikeouts):

### ARTICLE I – GENERAL

#### Sec. 1 Adoption of Illinois State Plumbing Code.

There is hereby adopted by the City for the purpose of establishing rules and regulations for materials, construction, alteration, and inspection of all plumbing placed in or in connection with any building that certain Plumbing Code known as the Illinois State Code, being particularly the current edition thereof, and the whole thereof, of which not less than one copy has been and now is filed in the Office of the City Clerk; and the same are hereby adopted and incorporated as fully as if set out at length in this chapter, the provisions of which shall be controlling within the corporate limits of the City and within the area of Lake Bloomington and other areas under the jurisdiction of the City.

**A.** Illinois State Plumbing Code - administrative authority. Wherever the words "administrative authority" are used in the Illinois State Plumbing Code, adopted in the preceding section, it shall be held to mean the Director of Economic and Community Development of the City of Bloomington or his their representative.

~~**B.** Public Health Board. Wherever the words "public health board" are used in the Illinois State Plumbing Code, it shall be held to mean the McLean County Health Department.~~

**C B.** The Current Edition of the State of Illinois Department of Health Food Service Sanitation Code Section 750.5., Water and Sewage Part 895, Public Area Sanitary Practice Code Section 895.50 Rest rooms.

#### Sec. 2 Definitions.

The following definitions shall apply in the interpretation and enforcement of this chapter:

##### Backflow Prevention Device

Any device, method or type of construction intended to prevent backflow into a potable water system. All devices used for backflow prevention in Illinois must meet the standards of the Illinois State Plumbing Code and the Illinois Environmental Protection Agency.

##### Inspection

A plumbing inspection to examine carefully and critically all materials, fixtures, piping and appurtenances, appliances and installations of a plumbing system for compliance with requirements of the Illinois State Plumbing Code, 77 Ill. Adm. Code 890.

## **ARTICLE II – CONTRACTOR REGISTRATION**

### **Sec. 5 Contractor administration permit fee required.**

Every plumbing contractor engaging in the business of plumbing in the City shall cause his name, residence and place of business to be recorded with the City Clerk of the City. The City Clerk shall keep a record of such business. ~~An annual administration fee shall be required of any person, firm, limited liability company or corporation engaging in the business of plumbing contractor in the City.~~ Said annual business shall be issued only upon submission of a copy of the applicant's current Illinois State plumbers contractor registration, and payment of the required fee as set forth in the Schedule of Fees, and approval by the Plumbing Inspector. Contractors shall obtain the business license on or before January 1 of each year. Should a contractor not obtain the business license by February 1, no permit will be issued until said documentation has been submitted ~~an additional \$25 will be required.~~

### **Sec. 7 Business license revocation.**

A business license issued under this article can be suspended or revoked by the Building Board of Appeals, and the cause for such action shall be one of the following:

- A.** The refusal of any contractor to correct work he has installed improperly when directed to do so by the Plumbing Inspector;
- B.** Repeated failure to perform work properly;
- C.** Failure to have a licensed plumber in his employ at all times as required by the Illinois State Plumbing Code and License Law (225 ILCS 320);
- D.** Repeated violation of doing work prior to obtaining the required permit.

## **ARTICLE III – PERMITS REQUIRED**

### **Sec. 8 Permit.**

A. No plumbing shall be installed, altered, or changed in any building structure or manufactured/mobile home within the City nor within the area of Lake Bloomington and other areas under the jurisdiction of the City, except in an emergency, without first having secured a permit for the same from the Plumbing Inspector. Such permit shall be issued to the registered plumbing contractor in charge of such work, provided that a permit may be issued to an owner-occupant of a single-family residence to do any work regulated by the Illinois State Plumbing

Code adopted by the City with respect to such residences. Such permit shall be issued only after proof of residency has been submitted.

**B.** Emergency work may be allowed only when warranted. It shall be reported at the earliest possible time to the Plumbing Inspector and the required permit obtained thereafter.

### **Sec. 12 Plans and specifications.**

Before issuing any permit hereunder, the said Plumbing Inspector may require such detailed plans, specifications, and drawings as are necessary and complete to describe the work and the requirements thereof and the materials and manner of installing, altering or repairing. ~~He~~ Plumbing Inspector shall issue such permit when such plans, etc. show that the said plumbing will be in compliance with the Illinois State Plumbing Code and this chapter.

### **Sec. 17 Water meters and water service.**

**A.** Water meter. A water meter will be issued only after purchase of a utility permit from the Public Works Department and a plumbing permit from the ~~Building Safety Department~~ Economic and Community Development Department.

**B.** When a water meter is issued for a location it becomes a part of that property whether residential or commercial. In the event that property is demolished or otherwise disposed of, the water meter shall become the property of the City. Provisions for remote reading shall be made whenever water meters are installed. All water meters shall have a full port valve installed on each side of the meter.

**C.** No person, firm or corporation, except licensed plumbers, shall make any connections to or attachments with the pipes of the water system of the City, nor make any repairs, additions to or alterations of any tap, pipe, cock or other fixture connected with said water department pipes on the outside or street side of the water meter; provided that the foregoing shall not apply to authorized employees of the City.

**D.** No tap greater than 3/4 inch shall be made in any water main having less than six-inch waterway. A one inch tap may be made in a eight-inch waterway. Multiple taps shall be made at least 18 inches apart and shall not be in the same line along the length of the main. Under no circumstances will more than two 3/4 inch taps be made to serve any one water service without prior approval of the ~~Water~~ Public Works Department.

**E.** No service pipe between City water mains and the building shall be laid less than four feet below the surface of the street grade or lawn. The material used for such pipe shall in each and every case be subject to the inspection of the Plumbing Inspector and if found defective or below the standard, its use will not be permitted. All service shall be laid straight from the curb stop-

cock to the building and shall be firmly bedded on solid earth. White rock, concrete or lime base material is prohibited in direct contact with buried water lines. Water service shall not be backfilled until the Plumbing Inspector has inspected the service. Water and sewer service shall not be run in the same trench, except by special permission of the Plumbing Inspector and following provisions in the Illinois State Plumbing Code.

**F.** All piping from the City water mains to the curb stop valve shall ~~be of type "K" copper; if larger than two inches, it shall be of Class 150 cast iron~~ meet standards set forth in the "Approved Materials Listing" of the Illinois State Plumbing Code. All joints in water services are to be mechanical/compression, threaded, slip seal or lead free solder. When water services larger than two inch are installed through the side wall of a building, such iron type water services shall be restrained with field lock or similar restraining type devices or locking gaskets.

**G.** Water services from the curb box (curb shutoff valve) to the building shall be ~~type "K" copper, Class 150 cast iron, or copper tube size (CTS) polyethylene (PE) tubing meeting ASTM D 2737—standard~~ meet standards set forth in the "Approved Materials Listing" of the Illinois State Plumbing Code. Polyethylene (PE) pipe shall be installed only with compression fittings with insert and clamp type fittings. All clamps shall be of corrosion resistant material. The inside diameter (ID) of any insert fitting shall not be less than the minimum allowable size for water service as required by the Illinois State Plumbing Code. PE tubing water service shall be one continuous pipe from the curb stop or pig tail to building water meter. PE water service shall have a solid 12 gauge sheathed coated, suitable for direct burial tracer wire connected to the coupling or curb stop, unbroken and accessible at the water meter.

**H.** Water service for fire, domestic and combination services shall be installed and tested from the main to the interior of the building by same plumbing contractor.

**I.** New construction requiring potable water and fire protection water service shall be combination service. Location of shut off valves shall be approved by the Plumbing Inspector or Director of Water.

## **ARTICLE IV – GENERAL RULES AND REGULATIONS**

### **Sec. 24 Interior piping - potable water.**

**A.** Distribution piping in all buildings shall ~~be types "K," "L" or "M" copper, galvanized steel or equal. Solder joints to be of lead free solder~~ meet standards set forth in the "Approved Materials Listing" of the Illinois State Plumbing Code.

Exception 1: Distribution piping in residential buildings of three stories or less shall be type "K," "L" or "M" copper galvanized steel or cross linked polyethylene meeting meet the fitting and standard requirements as ~~list~~ listed in the Illinois State Plumbing Code.

Exception 2: For interior HUD manufactured single-family homes, Appendix A, Table 6, Section 890 of the Illinois State Plumbing Code shall apply.

**B.** Piping from the meter to the water heater is to be size 3/4 inch or larger. Point of use water heaters for individual fixtures shall be sized by the minimum inlet of the water heating unit.

**C.** The water heater in a building that supplies more than one family shall have a shut off valve on both hot and cold water pipes connecting the water heater.

**D.** Domestic hot water supply and distribution, new or replacement water heater installation. Domestic hot water heating units shall be designed and sized for the number of plumbing fixtures being served. A water heater manufactures sizing table shall be used in calculating hot water demand for each residential, commercial or multi-unit building.

**E.** Chemical dispensing, softening, purification units shall have a dedicated water supply and shut off valves to each unit.

**Sec. 24.1] Lawn sprinklers/irrigation systems.**

**A.** Lawn sprinkler and irrigation systems connected to the City water system shall comply with the City Plumbing Code. Materials used underground shall be type "K" copper lead free solder joints or PVC with a minimum of 160# test pressure with stainless steel hose clamps, cross linked polyethylene or solvent weld type connections or equal.

**B.** All landscape irrigation systems installed after the effective date of this Ordinance shall be equipped with either a rain sensing or soil moisture sensing device which overrides the irrigation cycle of the sprinkler system when it rains and/or when the soil has adequate moisture.

**C.** No lawn sprinkler or landscape irrigation system shall be caused or allowed to operate during rain or in such manner so as to produce water run-off, over-spraying, low head drainage or any other condition which results in water flowing onto property not served by the lawn sprinkler or landscape irrigation system.

**D.** Lawn sprinkler contractors shall pay an application fee as set forth in the Schedule of Fees for each system installed. Registered plumbing contractors (i.e., installation by plumbers and apprentice only) and homeowners shall be exempt from the application fee.

E. No lawn sprinkler system will be installed without approved plans, securing a permit and prior approval of the Plumbing Inspector.

F. All back flow devices and assemblies must be certified by a licensed Cross-connection Control Device Inspector and a copy of the certification with the appropriate fees shall be sent to the Plumbing Inspector.

G. Lawn irrigation systems from any water source shall have a permit issued.

H. Interior piping for lawn irrigation systems shall ~~be copper or cross linked polyethylene piping~~ meet standards set forth in the "Approved Materials Listing" of the Illinois State Plumbing Code to the exterior of building.

**Sec. 33 Fixtures prohibited.**

Fixtures not listed in the Illinois State Plumbing Code as approved by a listed testing agency shall be approved by the ~~plumbing inspection~~ Plumbing Inspector prior to installation.

**ARTICLE V – REGULATIONS ON CROSS-CONNECTION CONTROL**

**Sec. 40 Back flow prevention devices required.**

All plumbing installed within the City of Bloomington, shall be installed in accordance with the Illinois State Plumbing Code, 77 Ill. Adm. Code 890. If in accordance with the Illinois Plumbing Code or in the judgment of the Director of Public Works, an approved back flow prevention device is necessary for the safety of the public water supply system, the Director of Public Works will give notice to the water customer to install such an approved device immediately. The water customer shall, at his own expense, install such an approved device at a location and in a manner in accordance with the Illinois State Plumbing Code, Illinois Environmental Protection Agency and all applicable local regulations, and shall have inspections and tests made of such approved devices upon installation and as required by the Illinois State Plumbing Code, Illinois Environmental Protection Agency and local regulations.

**Sec. 43 Right to investigate; effect of refusal to furnish information.**

The Director of ~~Water~~ Public Works or his authorized agent shall have the right to enter at any reasonable time any property served by a connection to the public water supply or distribution system of the City of Bloomington for the purpose of verifying information submitted by the customer regarding the required cross-connection control inspection. On demand, the owner, lessees or occupants of any property so served shall furnish to the Director of Water any information which he may request regarding the piping system or systems or water use on such property. The refusal of such information, when demanded, shall, within the discretion of the Director of ~~Water~~ Public Works, be deemed evidence of the presence of improper connections as provided in this Ordinance.

**Sec. 50 Where protection is required.**

**A.** An approved back flow device shall be installed on all connections to the public water supply as described in the Plumbing Code, 77 Ill. Adm. Code 890 and the Agency's regulations, 35 Ill. Adm. Code 680. In addition, an approved back flow prevention device shall be installed on each water service line to a customer's water system serving premises, where in the judgment of the Director of Public Works, actual or potential hazards to the public water supply system exist.

**B.** An approved back flow prevention device shall be installed on each water service line to a customer's water system serving premises where the following conditions exist:

**(1)** Premises having an auxiliary water supply, unless such auxiliary supply is accepted as an additional source by the Director of Public Works and the source is approved by the Illinois Environmental Protection Agency.

**(2)** Premises on which any substance is handled which can create an actual or potential hazard to the public water supply system. This shall include premises having sources or systems containing process fluids or waters originating from the public water supply system which are no longer under the sanitary control of the Director of Public Works.

**(3)** Premises having internal cross-connections that, in the judgment of the Director of Public Works and/or the Cross-Connection Control Device Inspector, are not correctable or intricate plumbing arrangements which make it impractical to determine whether or not cross-connections exist.

**(4)** Premises where, because of security requirements or other prohibitions or restrictions, it is impossible or impractical to make a complete cross-connection survey.

**(5)** Premises having a repeated history of cross-connections being established or reestablished.

**C.** An approved back flow device shall be installed on all connections to the public water supply as described in the Illinois State Plumbing Code, 77 Ill. Adm. Code 890 and the Agency's regulations, 35 Ill. Adm. Code 653. In addition, an approved back flow prevention device shall be installed on each service line to a customer's water system serving, but not necessarily limited to, the following types of facilities unless the Director of Public Works determines that no actual or potential hazard to the public water supply system exists:

**(1)** Hospitals, mortuaries, clinics, nursing homes.

**(2)** Laboratories.

**(3)** Piers, docks, waterfront facilities.

- (4) Sewage treatment plants, sewage pumping stations or stormwater pumping stations.
- (5) Food or beverage processing plants.
- (6) Chemical plants.
- (7) Metal plating industries.
- (8) Petroleum processing or storage plants.
- (9) Radioactive material processing plants or nuclear reactors.
- (10) Car washes.
- (11) Pesticide, or herbicide or extermination plants and trucks.
- (12) Farm service and fertilizer plants and trucks.

**Sec. 54 Booster pumps.**

**A.** Where a booster pump has been installed on the water service line to or within any premises, such pump shall be equipped with a low pressure cutoff device designed to shutoff the booster pump when the pressure in the water service line on the suction side of the pump drops to 20 psi or less.

**B.** It shall be the duty of the water customer to maintain the low pressure cutoff device in proper working order and to certify to the ~~Water Resources Manager~~ Plumbing Inspector, at least once a year, that the device is operable.

**ARTICLE VII – PLUMBING INSPECTOR – ~~OFFICE CREATED; APPOINTMENT; TERM ; QUALIFICATIONS~~**

**Sec. 108 Plumbing Inspector.**

There is hereby created the office of Plumbing Inspector of the City. The Plumbing Inspector shall be subordinate to the Director of Economic and Community Development. The person shall be well qualified from practical experience in the business of plumbing, house drainage, and plumbing installations. He/she must hold a Plumber's State of Illinois License.

**Sec. 116 Duty of Inspector.**

It shall be the duty of the ~~said~~ Plumbing Inspector to see that the construction, maintenance, and control of the plumbing, drainage, and ventilation of all structures or buildings in the City conform to and comply with the rules and regulations established by the Code of the City or any future amendments thereto hereafter passed by the Council.

**ARTICLE X – ADDITIONS, DELETIONS, MODIFICATIONS TO THE 2004 ILLINOIS STATE PLUMBING CODE**

**Sec. 132 Swimming pools, spas, etc.**

All piping related to the proper operation of a swimming pool, spas, or the like are part of plumbing work and must comply with the ~~State of Illinois~~ State Plumbing Code and this chapter including necessary permits required.

INTERNATIONAL BUILDING CODE SIGNIFICANT CHANGES (IBC 2012 - IBC 2015 - IBC 2018)									
ADMINISTRATION	SECTION HEADING	AMENDMENT	SUMMARY	NOTES					
101.2	EXEMPT RESIDENTIAL ACCESSORY STRUCTURES	MODIFICATION	ACCESSORY STRUCTURE HEIGHT INCREASED FROM 2 STORIES TO THREE STORIES						
111.1	CHANGE OF USE OR OCCUPANCY	MODIFICATION	CHANGE OF USE WITH NO CHANGE IN CLASSIFICATION REQUIRES NEW CERTIFICATE OF OCCUPANCY						
202	DEFINITIONS - HORIZONTAL EXIT	MODIFICATION	REVISED DEFINITION OF HORIZONTAL EXIT						
202	DEFINITIONS - PLATFORMS	CLARIFICATION	PERMITS HORIZONTAL SLIDING CURTAINS						
202	DEFINITIONS - PRIVATE GARAGE	ADDITION	ADDED DEFINITION OF PRIVATE GARAGE						
202	DEFINITIONS - TREATED WOOD	CLARIFICATION	REVISED DEFINITION OF TREATED WOOD						
202	DEFINITIONS - GREENHOUSE	ADDITION	ADDED DEFINITION OF GREENHOUSE						
202	DEFINITION OF REPAIR GARAGE	ADDITION	ADDED DEFINITION OF REPAIR GARAGE						
202	DEFINITION OF SLEEPING UNIT	ADDITION	ADDED DEFINITION OF SLEEPING UNIT						
CHAPTER 2	REMOVAL OF DEFINITION REFERENCES	DELETION	ALL DEFINITION LISTS LOCATED THROUGHOUT THE CODE HAVE NOW BEEN DELETED						
<b>BUILDING PLANNING</b>									
	SECTION HEADING	AMENDMENT	SUMMARY						
302.1	CLASSIFICATION OF OUTDOOR AREAS	CLARIFICATION	OCCUPANCY CLASSIFICATIONS ARE TO BE ASSIGNED TO OCCUPIED ROOFS BASED ON CLASSIFICATION OF USES						
303.4	ASSEMBLY USE OF GREENHOUSES CLASSIFICATION	CLARIFICATION	CLASSIFICATION AS A GROUP A-3 OCCUPANCY IS APPROPRIATE UNDER A CERTAIN CIRCUMSTANCE						
304.1	FOOD PROCESSING FACILITIES AND COMMERCIAL KITCHENS	MODIFICATION	FOOD PROCESSING FACILITIES NOT ASSOCIATED WITH AN EATERY WILL NOW BE CONSIDERED GROUP B OCCUPANCIES						
304.1	TRAINING AND SKILL DEVELOPMENT FACILITIES	CLARIFICATION	GROUP B CLASSIFICATION INCLUDES STIPULATIONS FOR AGE, OCCUPANT LOAD LIMIT, AND PERMITTED USES						
306.2	FOOD PROCESSING FACILITIES AND COMMERCIAL KITCHENS	MODIFICATION	GROUP F-1 IS NOW ONLY APPLICABLE TO LARGER-SIZED FOOD PROCESSING FACILITIES						
308.3	GROUP-1 OCCUPANCY CLASSIFICATION	MODIFICATION	PERMITTED USES FOR CUSTODIAL CARE FACILITIES HAVE BEEN EXPANDED						
308.4	GROUP I-2 OCCUPANCY CLASSIFICATION	MODIFICATION	MEDICAL CARE USES HAVE BEEN DIVIDED INTO SHORT AND LONG-TERMS CARE FACILITIES						
309.1	MERCANTILE USE OF GREENHOUSES CLASSIFICATION	CLARIFICATION	GROUP M OCCUPANCY WILL BE ASSIGNED IN CERTAIN INSTANCES						
310.3, 310.4	CLASSIFICATION OF CONGREGATE LIVING FACILITIES	CLARIFICATION	GROUP R-3 OCCUPANCIES HAVE CLARIFIED USES						
310.4.2	OWNER-OCCUPIED LODGING HOUSES	MODIFICATION	CRITERIA PERMITTING COMPLIANCE WITH IRC HAS BEEN EXPANDED						
310.5	GROUP R-3 LODGING HOUSES	MODIFICATION	LODGING HOUSES ARE NOW SPECIFICALLY DEFINED (SEE CHAPTER 2), AND HAVE NEW CONSTRUCTION PERMITS						
310.6	GROUP R-4 OCCUPANCY CLASSIFICATION	MODIFICATION	CUSTODIAL CARE FACILITY USES HAVE BEEN EXPANDED						
311.11	CLASSIFICATION OF ACCESSORY STORAGE SPACES	MODIFICATION	STORAGE SPACES TO BE CLASSIFIED AS PART OF THE OCCUPANCY TO WHICH THEY ARE ACCESSORY						
311.11	CLASSIFICATION OF ACCESSORY STORAGE SPACES	MODIFICATION	STORAGE ROOM CLASSIFICATION HAS BEEN UPDATED BASED ON SIZE OF SPACE						
311.2	CLASSIFICATION OF SELF-SERVICE STORAGE FACILITIES	CLARIFICATION	SELF-SERVICE STORAGE FACILITIES NOW CLASSIFIED AS GROUP S-1						
312.1	CLASSIFICATION OF COMMUNICATION EQUIPMENT STRUCTURES	MODIFICATION	SOME COMMUNICATION EQUIPMENT STRUCTURES CAN NOW BE CLASSIFIED AS GROUP U OCCUPANCIES						
312.1.1	CLASSIFICATION AGRICULTURAL GREENHOUSES	MODIFICATION	GREENHOUSES ARE ONLY TO BE CONSIDERED AS GROUP U UNLESS CERTAIN CONDITIONS APPLY						
403.2.1.1	TYPE OF CONSTRUCTION IN HIGH-RISE BUILDINGS	MODIFICATION	REDUCTION IN MINIMUM REQUIRED FIRE-RESISTANCE RATINGS FOR CERTAIN BUILDING ELEMENTS NO LONGER APPLICABLE TO GROUP H-2, H-3, AND H-5						
404.5, EXCEPTION	ATRIUM SMOKE CONTROL IN GROUP I OCCUPANCIES	MODIFICATION	SMOKE CONTROL NOW REQUIRED IN ATRIUMS THAT ARE UNDER CERTAIN OCCUPANCIES						
404.6	ENCLOSURE OF ATRIUMS	MODIFICATION	REQUIREMENT THAT SPACES NOT SEPERATED FROM AN ATRIUM BE ACCOUNTED FOR IN DESIGN OF SMOKE CONTROL SYSTEMS ONLY APPLIES IN SOME CASES						
404.9, 404.10	EGRESS TRAVEL THROUGH AN ATRIUM	CLARIFICATION	TRAVEL DISTANCE CONDITIONS THAT COULD OCCUR WITH AN ATRIUM ARE NOW ADDRESSED INDIVIDUALLY						
406.1	MOTOR VEHICLE-RELATED OCCUPANCIES	CLARIFICATION	PROVISIONS SPECIFIC TO MOTOR-VEHICLE-RELATED USE HAVE BEEN REFORMATTED						
406.3.1	PRIVATE GARAGE FLOOR-AREA LIMITATION	MODIFICATION	GROUP U PRIVATE GARAGES HAVE UPDATED PERMISSIONS REGARDING SIZE AND NUMBER OF GARAGES						
406.3.2	PRIVATE PARKING GARAGE CEILING HEIGHT	CLARIFICATION	7-FOOT CEILINGS CAN NOW ALSO BE IMPLEMENTED BY PRIVATE GARAGES AND CARPORTS						
406.6.2	VENTILATION OF ENCLOSED PARKING GARAGES	CLARIFICATION	CHAPTERS 4 AND 5 ARE NOW REFERENCED						
407.2.5	GROUP I-2 SHARED LIVING SPACES	ADDITION	PERMISSIONS ARE EXPANDED FOR CORRIDORS IN GROUP I-2, CONDITION 1 NURSING HOMES						
407.2.6	GROUP I-2 COOKING FACILITIES	ADDITION	COOKING FACILITY PERMISSIONS ARE EXPANDED IN GROUP I-2, CONDITION 1 NURSING HOMES						
407.5	MAXIMUM SMOKE COMPARTMENT SIZE	MODIFICATION	ALLOWANCE FOR LARGER SMOKE COMPARTMENTS IN HOSPITALS AND GROUPS I-2, CONDITION 2 OCCUPANCIES HAS BEEN MODIFIED						
407.5	MAXIMUM SIZE OF GROUP I-2 SMOKE COMPARTMENTS	MODIFICATION	MAXIMUM ALLOWABLE SMOKE COMPARTMENT SIZE HAS BEEN INCREASED						
407.5.4	REQUIRED EGRESS FROM SMOKE COMPARTMENTS	MODIFICATION	FOR GROUP I-2 OCCUPANCIES SMOKE COMPARTMENT GUIDELINES HAVE BEEN MODIFIED						
410.3.5	HORIZONTAL SLIDING DOORS AT STAGE PROSCENIUM OPENING	ADDITION	PERMITS USE OF HORIZONTAL SLIDING DOORS WITH MINIMUM FIRE PROTECTION RATING OF 1 HOUR						
412.7	TRAVEL DISTANCE IN AIRCRAFT MANUFACTURING FACILITIES	MODIFICATION	TRAVEL DISTANCE ALLOWANCES FOR AIRCRAFT MANUFACTURING FACILITIES HAVE BEEN INCREASED						
420.7	CORRIDOR PROTECTION IN ASSISTED LIVING UNITS	MODIFICATION	NEW ALLOWANCES FOR FIRE RATED CORRIDORS IN GROUP I-1 ASSISTED LIVING HOUSING FACILITIES						
420.8	GROUP I-1 COOKING FACILITIES	ADDITION	SPACE CONTAINING A COOKING FACILITY IS PERMITTED TO BE OPEN TO A CORRIDOR IN GROUP I-1 UNDER CERTAIN CONDITIONS						
420.10.1	DORMITORY COOKING FACILITIES	ADDITION	DOMESTIC COOKING APPLIANCES REGULATED IN SOME SPACES OF R-2 DORMS						
422.6	ELECTRICAL SYSTEMS IN AMBULATORY CARE FACILITIES	ADDITION	REFERENCES NOW MADE TO IBC CHAPTER 27 AS WELL AS NFPA 99, HEALTH CARE FACILITIES CODE						

423.3	STORM SHELTERS SERVING CRITICAL EMERGENCY OPERATIONS FACILITIES	ADDITION	ADDED DESCRIPTION OF FACILITIES REQUIRING A COMPLYING STORM SHELTER
423.4	STORM SHELTERS SERVING GROUP E OCCUPANCIES	ADDITION	STORM SHELTERS NOW REQUIRED IN GROUP E OCCUPANCIES IN CERTAIN AREAS OF THE UNITED STATES
424.1	CHILDREN'S PLAY STRUCTURES	MODIFICATION	CRITERIA FOR CHILDREN'S PLAY STRUCTURES HAS BEEN REVISED
427	MEDICAL GAS SYSTEMS	ADDITION	IFC MEDICAL GAS SYSTEMS REQUIREMENTS RELATED TO BUILDING CONSTRUCTION ARE NOW REPLICATED IN IBC HIGHER ED LABORATORIES WITH HAZARDOUS MATERIALS CAN NOW BE GROUP B OCCUPANCIES UNDER CERTAIN CONDITIONS
428	HIGHER EDUCATION LABORATORIES	ADDITION	HIGHER ED LABORATORIES WITH HAZARDOUS MATERIALS CAN NOW BE GROUP B OCCUPANCIES UNDER CERTAIN CONDITIONS
503	GENERAL BUILDING HEIGHT AND AREA LIMITATIONS	CLARIFICATION	REGULATIONS FOR BUILDING HEIGHT AND AREA LIMITATIONS HAVE BEEN EXTENSIVELY CLARIFIED
503-1, 706-1	SCOPE OF FIRE WALL USE	MODIFICATION	NEW LIMITATIONS PLACED ON FIREWALL USE
503-1.4	ALLOWABLE HEIGHT AND AREA OF OCCUPIED ROOFS	ADDITION	NEW CRITERIA NOW PROVIDED REGARDING ALLOWABLE HEIGHT AND AREA OF OCCUPIED ROOFS
TABLES 504.3, 504.4	BUILDING HEIGHT AND NUMBER OF STORIES	CLARIFICATION	TABLE 503 HAS NOW BEEN REFORMATTED AS TABLES 504.3 AND 504.4
505-2.1.1	MEZZANINE AND EQUIPMENT PLATFORM AREA LIMITATIONS	CLARIFICATION	NEW CLARIFICATION ON TWO-THIRDS ALLOWANCE
505.2.3, EXCEPTION 2	MEZZANINE OPENNESS	MODIFICATION	ENCLOSED MEZZANINES REGULATED BY THIS EXCEPTON NO LONGER REQUIRED DIRECT ACCESS TO AT LEAST ONE EXIT
TABLE 506.2	BUILDING AREA	CLARIFICATION	TABLE 503 HAS BEEN REFORMATTED AS TABLE 506.2
TABLE 506.2, NOTE 1	ALLOWABLE AREA OF TYPE VB GREENHOUSES	MODIFICATION	TABLE HAS BEEN UPDATED
507.1	BASEMENTS IN UNLIMITED AREA BUILDINGS	CLARIFICATION	ALLOWANCE OF BASEMENTS IN UNLIMITED AREA BUILDINGS HAS BEEN CLARIFIED
507.4	SPRINKLERS IN UNLIMITED AREA GROUP A-4 BUILDINGS	CLARIFICATION	SOME SPRINKLER OMISSIONS ARE NO LONGER APPLICABLE TO CERTAIN SPACES
507.9	GROUP H-5 IN UNLIMITED AREA BUILDINGS	ADDITION	GROUP H-5 BUILDINGS ARE NOW PERMITTED TO BE UNLIMITED IN AREA
508.3.1.2	GROUP L-2, CONDITION 2 NON SEPARATED OCCUPANCIES	MODIFICATION	ADDITIONAL LIMITATIONS NOW ESTABLISHED IN MIXED-OCCUPANCY BUILDINGS UNDER CERTAIN CONDITIONS
508.4.1, TABLE 508.4	SEPARATED OCCUPANCIES VS. FIRE AREA SEPARATIONS	CLARIFICATION	NEW PROVISIONS HAVE BEEN ADDED FOR CLARIFYING PURPOSES
TABLE 509	INCIDENTAL USES	CLARIFICATION	TABLE HAS BEEN REVISED TO ALLOW FOR CONSISTENCY WITH IFC
TABLE 509	FIRE PROTECTION FROM INCIDENTAL USES	MODIFICATION	TABLE ALLOWS FOR A MORE DETAILED ANALYSIS OF VARIOUS SUPPORT SPACES WITHIN CERTAIN FACILITIES
510.2	HORIZONTAL BUILDING SEPARATION	CLARIFICATION	VERTICAL OFFSET PERMISSIONS HAVE BEEN CLARIFIED
510.2	HORIZONTAL BUILDING SEPARATION	MODIFICATION	NO LONGER A LIMIT ON ONE STORY ABOVE GRADE PLANE FOR PEDESTAL BUILDINGS
TABLE 601, NOTE B	FIRE PROTECTION OF STRUCTURAL ROOF MEMBERS	MODIFICATION	ALL PORTIONS OF ROOF CONSTRUCTION ARE SELECTIVELY EXEMPT FROM FIRE-RESISTANCE REQUIREMENTS BASED ON TABLE 601
TABLE 601, FOOTNOTE D	ONE-HOUR SUBSTITUTION	DELETION	THIS FOOTNOTE HAS BEEN DELETED DUE TO POTENTIAL FOR MISUSE
TABLE 602, NOTE 1	GROUP R-3 FIRE SEPARATION DISTANCE	CLARIFICATION	CLARIFICATION PROVIDED ON WHEN NO FIRE-RESISTANCE RATING IS REQUIRED
602.3, 602.4.1	FIRE RETARDANT TREATED WOOD SHEATHING IN EXTERIOR WALL ASSEMBLIES	CLARIFICATION	FIRE-RETARDANT TREATED WOOD SHEATHING IS PERMITTED UNDER CERTAIN CIRCUMSTANCES
602.4	TYPE IV MEMBER SIZE EQUIVALENCIES	ADDITION	SIZE DIMENSIONS FOR SCL IN RELATIONSHIP TO SOLID-SAWN IV HEAVY TIMBER HAVE BEEN INTRODUCED
602.4.2	CROSS-LAMINATED TIMBER IN EXTERIOR WALLS	ADDITION	CROSS-LAMINATED TIMBER PERMITTED IN TYPE IV BUILDINGS UNDER CERTAIN CONDITIONS
603-1, ITEM 26	WALL CONSTRUCTION OF FREEZERS AND COOLER	ADDITION	WALLS OF FREEZERS AND COOLERS MAY BE CONSTRUCTED WITH WOOD MATERIALS UNDER CERTAIN CONDITIONS
<b>FIRE PROTECTION</b>			
<b>SECTION NUMBER</b>	<b>SECTION HEADING</b>	<b>AMENDMENT</b>	<b>SUMMARY</b>
704.2, 704.4.1	COLUMN PROTECTION IN LIGHT-FRAME CONSTRUCTION	MODIFICATION	UNDER CERTAIN CONDITIONS COLUMNS MAY NOT NEED INDIVIDUAL ENCASEMENT PROTECTION
704.4	PROTECTION OF SECONDARY MEMBERS	CLARIFICATION	SECONDARY MEMBER PROTECTION REQUIREMENTS HAVE BEEN REFORMATTED
705.2	PROJECTIONS AT EXTERIOR WALLS	MODIFICATION	MODIFICATION OF SEPARATION BETWEEN LEADING EDGE OF A PROJECTION AND FIRE SEPARATION DISTANCE LINE DECREASED
TABLE 705.2	EXTENT OF PROJECTIONS	MODIFICATION	MINIMUM REQUIRED CLEARANCE BETWEEN LEADING EDGE OF A PROJECTIONS AND FIRE SEPARATION LINE HAS BEEN DECREASED
705.2.3	COMBUSTIBLE PROJECTIONS	MODIFICATION	REGULATIONS FOR COMBUSTIBLE PROJECTIONS HAVE BEEN MODIFIED
705.2.3, 705.2.3.1	COMBUSTIBLE BALCONIES, PROJECTIONS, AND BAY WINDOWS	CLARIFICATION	CONSTRUCTION REQUIREMENTS FOR THESE ITEMS HAVE BEEN RELOADED
705.3	BUILDINGS ON THE SAME LOT	MODIFICATION	REQUIRED REGULATIONS ON INTERIOR STRUCTURAL ELEMENTS HAVE BEEN MODIFIED
705.6	STRUCTURAL ELEMENT BRACING OF EXTERIOR WALLS	MODIFICATION	INTERIOR STRUCTURAL ELEMENTS NO LONGER NEED TO BE REGULATED FOR RESISTANCE
705.8.1	MEASUREMENT OF FIRE SEPARATION DISTANCE FOR OPENING PROTECTION	CLARIFICATION	FIRE SEPARATION DISTANCE FOR EACH STORY DETERMINES ALLOWABLE AREA OF OPENINGS IN EXTERIOR WALLS
705.8.5	VERTICAL SEPARATION OF OPENINGS	CLARIFICATION	EXTERIOR WALLS MUST BE RATED FROM BOTH SIDES UNDER CERTAIN CONDITIONS
706-1.1	PARTY WALLS NOT CONSTRUCTED AS FIRE WALLS	MODIFICATION	CONSTRUCTION AS A FIRE WALL IS NO LONGER REQUIRED FOR PARTY WALLS AS LONG AS CERTAIN CONDITIONS ARE MET
706.2	STRUCTURAL CONTINUITY OF DOUBLE FIRE WALLS	MODIFICATION	FLOOR AND ROOF SHEATHING PERMISSIONS HAVE CHANGED
706.2	STRUCTURAL STABILITY OF FIRE WALLS	MODIFICATION	REFERENCE TO NFPA 221 FOR FIRE WALL DESIGN AND CONSTRUCTION HAS BEEN EXPANDED
708.4	CONTINUITY OF FIRE PARTITIONS	CLARIFICATION	CONTINUITY REQUIREMENTS FOR FIRE PARTITIONS HAVE BEEN REFORMATTED
708.4.2	FIREBLOCKING AND DRAFTSTOPPING AT FIRE PARTITIONS	CLARIFICATION	FIREBLOCKING AND DRAFTSTOPPING REQUIREMENTS HAVE BEEN MODIFIED
709.4	CONTINUITY OF SMOKE BARRIERS	CLARIFICATION	HORIZONTAL CONTINUITY OF SMOKE BARRIERS HAS BEEN CLARIFIED FOR SOME SMOKE BARRIERS
711, 712	HORIZONTAL ASSEMBLIES AND VERTICAL OPENINGS	MODIFICATION	SECTIONS 711, AND 712 HAVE BEEN REORGANIZED TO CONTAIN DIFFERENT ITEMS



1010.1.9.8	USE OF DELAYED EGRESS LOCKING SYSTEMS IN GROUP E CLASSROOMS	MODIFICATION	ALLOWANCE FOR USE HAS BEEN EXPANDED
1010.3.2	SECURITY ACCESS TURNSITES	ADDITION	NEW CONDITIONS OF USE HAVE BEEN ADDED
1011.15, 1011.16	LADDERS	ADDITION	PERMANENT LADDERS MUST FOLLOW CONSTRUCTION REQUIREMENTS FROM THE IMC
1013.2	FLOOR LEVEL EXIT SIGN LOCATION	MODIFICATION	PERMITTED LOCATIONS HAVE BEEN EXPANDED
1014.8	HANDRAIL PROJECTIONS	CLARIFICATION	GUIDANCE PROVIDED REGARDING OBSTRUCTION IN REQUIRED EGRESS FOR INTERMEDIATE HANDRAILS
1016.2	EGRESS THROUGH INTERVENING SPACES	MODIFICATION	MEANS OF EGRESS NOW PERMITTED THROUGH ELEVATOR LOBBY UNDER CERTAIN CONDITIONS
1017.2.2	TRAVEL DISTANCE INCREASE FOR GROUPS F-1 AND S-1 AISLES IN GROUPS B AND M	MODIFICATION	INCREASED ACCESS TRAVEL DISTANCE PERMITTED FOR F-1 AND S-1 UNDER SPECIFIC CONDITIONS REQUIRED WIDTH FOR AISLES IN GROUPS B AND M HAS BEEN UPDATED
1020.2	CORRIDOR WIDTH AND CAPACITY	CLARIFICATION	NEW EXCEPTION ADDED TO CLARIFY WIDTH REQUIREMENTS IN GROUP I-2 OCCUPANCIES
1023.3.1	STAIRWAY EXTENSION	MODIFICATION	FIRE-RESISTANCE SEPERATION NOT REQUIRED IN SOME SITUATIONS
1023.3.4	STAIRWAY EXTENSION	MODIFICATION	PERMISSIONS FOR INTERIOR EXIT STAIRWAYS HAVE BEEN UPDATED
1026.4	REFUGE AREAS FOR HORIZONTAL EXITS	MODIFICATION	METHOD FOR DETERMINING MINIMUM REQUIRED REFUGE AREA SIZE HAS BEEN UPDATED
1029.13.2.2.1	STEPPED AISLE CONSTRUCTION TOLERANCES	MODIFICATION	VARIATION ALLOWED BETWEEN ADJACENT RISERS WITHIN A STEPPED AISLE IS NOW LIMITED
1030.1	REQUIRED EMERGENCY ESCAPE AND RESCUE OPENINGS	CLARIFICATION	OCCUPANCIES WHERE EMERGENCY OPENINGS ARE REQUIRED HAVE BEEN CLARIFIED
	<b>ACCESSIBILITY</b>		
	<b>SECTION NUMBER</b>	<b>AMENDMENT</b>	<b>SUMMARY</b>
1103.2.8	AREAS IN PLACES OF RELIGIOUS WORSHIP	MODIFICATION	SMALL AREAS USED FOR RELIGIOUS CEREMONIES NOW EXEMPT FROM ACCESS REQUIREMENTS
1103.2.14	ACCESS TO WALK-IN COOLERS AND FREEZERS	MODIFICATION	REVISED CONDITIONS HAVE BEEN PLACED ON USE OF WALK-IN COOLER
1104.4	MULTISTORY BUILDINGS AND FACILITIES	MODIFICATION	DISTINCTION MADE BETWEEN REQUIREMENTS FOR ACCESS WITHIN A STORY AND THOSE WITH GREATER LEVEL CHANGES
1107.3, 1107.4	ACCESSIBLE SPACES AND ROUTES	MODIFICATION	PROVISIONS FOR CONNECTING ALL SPACES WITHIN A BUILDING HAVE BEEN MODIFIED
1107.5.1.1, 1107.6.4.1	ACCESSIBLE UNITS IN ASSISTED LIVING FACILITIES	MODIFICATION	MINIMUM NUMBER OF ACCESSIBLE UNITS REQUIRED IN ASSISTED LIVING FACILITIES NOW BASED ON CAPABILITIES
1107.6.1.1	GROUP R- ACCESSIBLE UNITS	MODIFICATION	METHODS FOR DETERMINING REQUIRED NUMBER OF ACCESSIBLE UNITS ON A SITE HAS BEEN REVISED
1109.2	ACCESSIBLE WATER CLOSET COMPARTMENTS	MODIFICATION	MINIMUM OF 5% OF WC COMPARTMENTS MUST BE WHEELCHAIR ACCESSIBLE AND 5% AMBULATORY ACCESSIBLE
1109.2.1.2	FIXTURES IN FAMILY OR ASSISTED-USE TOILET ROOMS	MODIFICATION	FAMILY OR ASSISTED-USE BATHROOMS CAN HAVE A CHILD HEIGHT STALL
1109.2.3	ACCESSIBLE LAVATORIES	MODIFICATION	REQUIRED ACCESSIBLE LAVATORY MUST BE LOCATED IN COMMON AREA OF TOILET ROOM/BATHING FACILITY
1110	RECREATIONAL FACILITIES	MODIFICATION	MORE DETAILED SCOPING REQUIREMENTS FOR RECREATION FACILITIES HAVE BEEN PROVIDED
	<b>BUILDING ENVELOPE, STRUCTURAL SYSTEMS, AND CONSTRUCTION MATERIALS</b>		
	<b>SECTION NUMBER</b>	<b>AMENDMENT</b>	<b>SUMMARY</b>
1206.2, 1207.3	ENGINEERING ANALYSIS OF SOUND TRANSMISSION	MODIFICATION	AN ALTERNATIVE APPROACH FOR MEETING THE REQUIRED SOUND TRANSMISSION CLASS RATINGS HAS BEEN INTRODUCED
1404.2	WEATHER COVERING MINIMUM THICKNESS	MODIFICATION	MINIMUM REQUIRED THICKNESS OF MASONRY AND STONE VENEER WEATHER COVERINGS HAVE BEEN UPDATED
1405.3	VAPOR RETARDERS	MODIFICATION	REQUIRED TYPES AND LOCATIONS FOR EACH CLASS OF VAPOR RETARDER HAVE BEEN REVISED
1504.3.3	METAL ROOF SHINGLES	ADDITION	METAL ROOF SHINGLES NOW ADDRESSED SEPERATELY
1507.1	UNDERLAYMENT	CLARIFICATION	UNDERLAYMENT AND ICE BARRIER REQUIREMENTS HAVE BEEN RELOCATED
1602.1	DEFINITIONS AND NOTATIONS	MODIFICATION	SOME DEFINITIONS HAVE BEEN DELETED AND REPLACED
1603	CONSTRUCTION DOCUMENTS	MODIFICATION	TWO ADDITIONAL ITEMS ARE NOW REQUIRED TO BE IDENTIFIED ON CONSTRUCTION DOCUMENTS
1603.1	CONSTRUCTION DOCUMENTS	MODIFICATION	CONSTRUCTION DOCUMENT REQUIREMENTS HAVE BEEN UPDATED
1603.1.7	FLOOD DESIGN DATA	CLARIFICATION	"SUBJECT TO HIGH-VELOCITY WAVE ACTION" HAS BEEN REPLACED WITH NEW TERM
1603.1.8	SPECIAL LOADS	ADDITION	DEAD LOAD OF ROOFTOP-MOUNTED PHOTOVOLTAIC SOLAR PANELS MUST BE IDENTIFIED ON CONSTRUCTION DOCUMENTS
1604.3	SERVICEABILITY	MODIFICATION	MODIFICATIONS HAVE BEEN MADE TO DEFLECTION LIMITS ESTABLISHED IN TABLE 1604.3
1604.3.7	DEFLECTION OF GLASS FRAMING	ADDITION	LIMITS TO THE DEFLECTION OF FRAMING HAVE BEEN ADDED
1604.5	RISK CATEGORY	CLARIFICATION	SECTION HAS BEEN REVISED
1604.1	STORM SHELTERS	ADDITION	DEVELOPMENT OF LOADS FOR STORM SHELTERS WILL BE BASED ON ICC 500
1607.1	DECK LIVE LOAD	MODIFICATION	TABLE IS NOW CONSISTENT WITH THE PROVISIONS IN THE 2010 AND 2016 ASCE 7
1607.5	PARTITION LOADS	MODIFICATION	IN BUILDINGS WHERE LOCATION OF PARTITION MIGHT CHANGE- PARTITION LOADS ARE TO BE CONSIDERED IN MOST CASES
1607.9	IMPACT LOADS FOR FACADE ACCESS EQUIPMENT	ADDITION	PROVISIONS ON IMPACT LOADS FOR FACADE ACCESS EQUIPMENT HAVE BEEN ESTABLISHED
1607.10.2	ALTERNATIVE UNIFORM LIVE LOAD REDUCTION	MODIFICATION	ALTERNATIVE LIVE LOAD REDUCTION METHOD HAS BEEN CHANGED TO BE CONSISTENT
1607.12	ROOF LOADS	ADDITION	TERM "VEGETATIVE ROOF" HAS BEEN DEFINED AND A REFERENCE TO ASTM E 2397 HAS BEEN ADDED
1607.12.5	PHOTOVOLTAIC PANEL SYSTEMS	ADDITION	DESIGN REQUIREMENTS HAVE BEEN ADDED TO THIS SECTION
1607.14.2	MINIMUM FIRE LOAD	ADDITION	MINIMUM LATERAL LOAD THAT FIREWALLS ARE REQUIRED TO RESIST IS FIVE POUNDS PER SQUARE FOOT
1609	WIND LOADS	MODIFICATION	SECTION NOW HAS UPDATED WIND SPEED MAPS INCLUDING MAPS FOR HAWAII

1609.1.1	DETERMINATION OF WIND LOADS	MODIFICATION	A REFERENCE TO NEW WIND TUNNEL TESTING STANDARD HAS BEEN ADDED
1613	EARTHQUAKE LOADS	MODIFICATION	SITE COEFFICIENTS CONTAINED IN IBC ARE NOW ALIGNED WITH NEW GROUND MOTION ATTENUATION EQUATIONS
1613.3.1	MAPPED ACCELERATION PARAMETERS	ADDITION	USGS DEVELOPED SEISMIC HAZARD AND GROUND MOTION MAPS THAT ARE NOW INCLUDED IN IBC
1613.3.1	SEISMIC MAPS	MODIFICATION	MAPS HAVE BEEN UPDATED TO MATCH 2015 NEHRP MAPS
1613.5	AMENDMENTS TO ASCE 7	ADDITION	AMENDMENT TO ASCE 7 CLARIFIES WHAT THE 2.5-1 ASPECT RATIO APPLIES TO
1613.6	BALLASTED PHOTOVOLTAIC PANEL SYSTEMS	ADDITION	SEISMIC REQUIREMENTS FOR BALLASTED ROOF-MOUNTED PV SOLA PANELS HAVE BEEN ADDED
1615	Tsunami Loads	ADDITION	ADDED TO ADDRESS NEEDS OF US COASTAL COMMUNITIES
1704.5	SUBMITTALS TO THE BUILDING OFFICIAL	ADDITION	REQUIREMENTS FOR SPECIAL INSPECTION CONSTRUCTION REPORTS SUBMISSIONS ARE NOW SPECIFIED
1704.6	STRUCTURAL OBSERVATIONS	MODIFICATION	1704.6.1 HAS BEEN ADDED REGARDING STRUCTURAL OBSERVATION OF HIGH-RISE BUILDINGS
1705.2	STEEL CONSTRUCTION	MODIFICATION	SPECIAL INSPECTION REQUIREMENTS FOR CERTAIN ITEMS HAVE BEEN MODIFIED
1705.2.2	METAL PLATE CONNECTED WOOD TRUSSES	MODIFICATION	5 FOOT TALL WOOD TRUSSES NOW HAVE NEW REQUIREMENTS IF BRACING IS NEEDED
1705.2.3	OPEN WEB STEEL JOISTS AND JOIST GIRDERS	ADDITION	SPECIAL INSPECTION REQUIREMENTS HAVE BEEN UPDATED FOR CERTAIN ITEMS
1705.3	REQUIRED SPECIAL INSPECTIONS OF CONCRETE CONSTRUCTION	MODIFICATION	SOME REQUIREMENTS HAVE BEEN DELETED, ADDED, OR MOVED
1705.11	SPECIAL INSPECTION FOR WIND RESISTANCE	CLARIFICATION	REVISIONS HAVE BEEN MADE TO SPECIAL INSPECTION REQUIREMENTS FOR WIND RESISTANCE
1705.12	SPECIAL INSPECTION FOR SEISMIC RESISTANCE	ADDITION	SEVERAL ADDITIONS HAVE BEEN MADE TO PERIODIC SPECIAL INSPECTION AND SPECIAL INSPECTION REQUIREMENTS
1705.12.6 Item 6	DESIGNATED SEISMIC SYSTEMS	ADDITION	PROVISION ADDED FOR MINIMUM CLEARANCE OF FIRE SPRINKLER COMPONENTS
1708.3.2	STATIC LOAD TESTING	MODIFICATION	STATIC LOAD TEST REQUIREMENTS HAVE BEEN REVISED
1709.5	EXTERIOR WINDOW AND DOOR ASSEMBLIES	MODIFICATION	REQUIRED DESIGN PRESSURE RATINGS FOR EXTERIOR WINDOW AND DOOR ASSEMBLIES HAVE CHANGED
1711	MATERIAL AND TEST STANDARDS	DELETION	SEVERAL REQUIREMENTS HAVE BEEN DELETED OR RELOCATED
1803.5	INVESTIGATED POSITIONS	MODIFICATION	REQUIREMENTS ADDRESSING THE EVALUATION OF ROCK MATERIALS FOR FOUNDATION SUPPORT WERE UPDATED
1804.1	EXCAVATION NEAR FOUNDATIONS	ADDITION	REQUIREMENTS FOR UNDERPINNING AT EXCAVATIONS HAVE BEEN ADDED
1807.2	RETAINING WALLS	MODIFICATION	A REQUIREMENT HAS BEEN DELETED FROM THIS SECTION THAT REGARDED KEYWAYS IN SLIDING ANALYSES OF RETAINING WALLS
1808.3	DESIGN SURCHARGE LOADS	ADDITION	REQUIREMENTS FOR SURCHARGE LOADS HAVE BEEN ADDED
1810.2.5	GROUP EFFECTS	CLARIFICATION	REQUIREMENTS RELATED TO GROUP EFFECTS ON UPLIFT OF GROUPED DEEP FOUNDATION ELEMENTS ARE CLARIFIED
1810.3	DESIGN AND DETAILING	ADDITION	PROVISIONS AND STANDARDS RELATED TO STEEL DEEP FOUNDATION SYSTEMS HAVE BEEN ADDED AND CLARIFIED
1810.3.8.3	PRECAST PRESTRESSED PILES	MODIFICATION	EQUATIONS ADDRESSING THIS ITEM HAVE BEEN UPDATED
1901.2	SEISMIC LOADS FOR PRECAST CONCRETE DIAPHRAGMS	MODIFICATION	NW LANGUAGE AND NEW REQUIREMENTS HAVE BEEN ADDED
1901.3	ANCHORING TO CONCRETE	MODIFICATION	SECTIONS 1908 AND 1909 HAVE BEEN DELETED AND REPLACED
1901.4	COMPOSITE STRUCTURAL STEEL AND CONCRETE STRUCTURES	MODIFICATION	SECTION 1912 HAS BEEN DELETED AND REPLACED
1904	DURABILITY REQUIREMENTS	MODIFICATION	DURABILITY REQUIREMENTS HAVE BEEN DELETED AND REPLACED
1905.1.3	MODIFICATIONS TO ACI 318, SECTION 18.5	MODIFICATION	REQUIREMENTS FOR DESIGN OF WALL PIERS HAVE BEEN DELETED AND ADDRESSED IN ACI 318
1905.1.8	MODIFICATIONS TO ACI 318, SECTION 17.2.3	MODIFICATION	EXTENSIVE MODIFICATIONS HAVE BEEN MADE TO THE CONCRETE ANCHORAGE PROVISIONS OF SECTION 1905.1.8
2101.2	MASONRY DESIGN METHODS	MODIFICATION	SOME REFERENCES HAVE BEEN DELETED, REORGANIZED, OR HAVE CHANGED LANGUAGE
2103	MASONRY CONSTRUCTION MATERIALS	MODIFICATION	MASONRY PROVISIONS HAVE BEEN DELETED IN THIS SECTION AND ARE CONTAINED IN MSJC SPECIFICATION
2104	MASONRY CONSTRUCTION	MODIFICATION	MANY MASONRY CONSTRUCTION PROVISIONS HAVE BEEN DELETED AND REPLACED
2105	QUALITY ASSURANCE	MODIFICATION	PROVISIONS FOR QUALITY ASSURANCE RELATED TO MASONRY STRUCTURES HAVE BEEN DELETED AND REPLACED
2111, 2113	MASONRY FIRPLACES AND CHIMNEYS	CLARIFICATION	SOME DEFINITIONS HAVE BEEN DELETED AND RELOCATED, SOME REQUIREMENTS HAVE BEEN UPDATED
2207.1, Chapter 35	SI STANDARD	MODIFICATION	NEW REFERENCE STANDARD FOR STEEL JOISTS
2210	COLD-FORMED STEEL	MODIFICATION	A NEW STEEL DECK INSTITUTE STANDARD HAS BEEN ADDED
2211	COLD-FORMED STEEL LIGHT-FRAME CONSTRUCTION	MODIFICATION	2015 EDITIONS ADOPTED FOR THE 2018 VERSION OF THIS ITEM
2303.1.4	STRUCTURAL GLUED CROSS-LAMINATED IMBER	MODIFICATION	A NEW AMERICA IRON AND STEEL INSTITUTE STANDARD IS NOW REFERENCED
2303.1.13	ENGINEERED WOOD RIM BOARD	ADDITION	A NEW DEFINITION HAS BEEN ADDED
2303.2.2	FIRE RETARDANT TREATED WOOD	MODIFICATION	A NEW DEFINITION HAS BEEN ADDED AND TWO NEW STANDARDS HAVE BEEN REFERENCED AND ADDED
2303.6	NAILS AND STAPLES	MODIFICATION	TYPES OF CHEMICAL TREATMENT ALLOWED ARE CLARIFIED
2304.6	EXTERIOR WALL SHEATHING	MODIFICATION	REQUIRED TO CONFORM TO STANDARD ASTM F 1667
Table 2304.9.3.2	MECHANICALLY LAMINATED DECKING	ADDITION	NEW ALTERNATIVE FASTENER SCHEDULE IS ADDED
Table 2304.10.1	RING SHANK NAILS	MODIFICATION	8-PENNY COMMON OR RING SHANK NAIL NOW REQUIRED IN EXPANDED SITUATIONS
2304.10.6	LOAD PATH	MODIFICATION	MINIMUM REQUIRED THICKNESS FOR STEEL STRAPS HAS BEEN MODIFIED
2304.12	PROTECTION AGAINST DECAY AND TERMITES	MODIFICATION	SECTION NOW DESCRIBES EXACT REQUIREMENTS OF WATERBORNE PRESERVATIVES
2304.12.2.5, 2304.12.2.6	SUPPORTING MEMBERS FOR PERMEABLE FLOORS AND ROOFS	MODIFICATION	POSITIVE DRAINAGE OF WATER AND VENTILATION BELOW THE FLOOR NOW REQUIRED
2308	CONVENTIONAL LIGHT-FRAME CONSTRUCTION	MODIFICATION	THIS SECTION HAS BEEN COMPLETELY REFORMATTED AND REORGANIZED
2308.2.5	ALLOWABLE ROOF SPAN	MODIFICATION	PROVISIONS RELATED TO LIMITATIONS ON ROOF SPAN HAVE BEEN CLARIFIED

INTERNATIONAL RESIDENTIAL CODE AMENDMENTS (IRC 2012 - IRC 2015 - <b>IRC 2018</b> )				
ADMINISTRATION				NOTES
SECTION NUMBER	SECTION HEADING	AMENDMENT	SUMMARY	
101.2, 202	SCOPE- ACCESSORY STRUCTURES	MODIFICATION	MAXIMUM HEIGHT HAS BEEN INCREASED FROM TWO TO THREE STORIES	
<b>R101.2</b>	<b>SCOPE</b>	<b>MODIFICATION</b>	<b>INSTANCES WHERE THE IBC PERMITS CONSTRUCTION UNDER IC ARE LISTED IN THE EXCEPTION TO THE SCOPE</b>	
104.11	ALTERNATIVE MATERIALS, DESIGN, AND METHODS OF CONSTRUCTION AND EQUIPMENT	ADDITION	REASON FOR DISAPPROVAL OF PROPOSED ALTERNATIVES MUST BE STATED IN WRITING BY BUILDING OFFICIAL	
<b>R105.1, R110.1, R202</b>	<b>CHANGE OF OCCUPANCY</b>	<b>CLARIFICATION</b>	<b>DEFINITIONS AND NEW REQUIREMENTS HAVE BEEN ADDED</b>	
105.3.1.1	EXISTING BUILDINGS IN FLOOD HAZARD AREAS	MODIFICATION	BUILDING OFFICIALS NOW DETERMINE IMPROVEMENTS FOR EXISTING BUILDINGS IN FLOOD HAZARD ZONES	
106.1.4	INFORMATION FOR CONSTRUCTION IN FLOOD HAZARD AREAS	MODIFICATION	CONSTRUCTION DOCUMENTS FOR COASTAL A ZONES HAVE NEW REQUIREMENTS	
<b>BUILDING PLANNING</b>				
SECTION NUMBER	SECTION HEADING	AMENDMENT	SUMMARY	
<b>R301.2(1)</b>	<b>CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA</b>	<b>MODIFICATION</b>	<b>JURISDICTIONS WILL NOW INCLUDE VARIABLES FOR MANUAL J ASSESSMENTS</b>	
<b>R301.2(1)</b>	<b>CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA</b>	<b>MODIFICATION</b>	<b>NEW CHANGES HAVE BEEN MADE TO THE TABLE</b>	
R301.2	WIND DESIGN CRITERIA	MODIFICATION	ULTIMATE DESIGN WIND SPEED VALUES REPLACE BASIC WIND SPEED VALUES FOR CERTAIN ITEMS	
R301.2	WIND SPEED MAPS	MODIFICATION	UPDATED WIND SPEED MAPS	
R301.2	COMPONENT AND CLADDING LOADS	MODIFICATION	CHANGES HAVE BEEN MADE FOR ROOF HEIGHTS AND ANGLES	
R301.2.1.1.1	SUNROOMS	ADDITION	NEW COMPLIANCES FOR SUNROOMS HAVE BEEN ADDED	
R301.2.1.2	PROTECTION OF OPENINGS IN WIND BORNE DEBRIS REGIONS	MODIFICATION	REQUIREMENTS FOR PROTECTION OF GLAZED OPENINGS HAVE BEEN CLARIFIED	
R301.2.1.4	WIND EXPOSURE CATEGORY	MODIFICATION	CATEGORY A NO LONGER EXISTS, CATEGORY D NOW HAS DIFFERENT APPLICATIONS	
TABLE R301.2.1.5.1	MODIFICATIONS FOR TOPOGRAPHIC WIND EFFECTS	MODIFICATION	CHANGES HAVE BEEN MADE TO THE TABLES FOR ULTIMATE DESIGN WIND SPEED	
<b>R301.2.2.1</b>	<b>SEISMIC DESIGN CATEGORY</b>	<b>MODIFICATION</b>	<b>NEW SDC MAPS INCLUDED</b>	
R301.2.4	FLOODPLAIN CONSTRUCTION	MODIFICATION	BUILDINGS LOCATED IN FLOOD HAZARD MUST COMPLY TO UPDATED PROVISIONS	
R301.3	STORY HEIGHT	MODIFICATION	INDIVIDUAL WALLS OR WALL STUDS CAN EXCEED LIMITS IF CERTAIN CONDITIONS ARE MET	
<b>R302.1</b>	<b>EXTERIOR WALLS</b>	<b>MODIFICATION</b>	<b>TABLE FOOTNOTES HAVE BEEN REVISED</b>	
R302.1	EXTERIOR WALLS	MODIFICATION	FIRE-RESISTANCE RATINGS HAVE BEEN UPDATED	
<b>R302.2</b>	<b>TOWNHOUSE SEPARATION</b>	<b>MODIFICATION</b>	<b>2 PATHS FOR ACHIEVING THE FIRE RESISTANT SEPARATION ARE LISTED</b>	
R302.2	TOWNHOUSE SEPARATION	MODIFICATION	PROVISIONS FOR SEPARATING TOWNHOUSES WITH FIRE-RESISTANT RATED WALLS HAVE BEEN UPDATED	
<b>R302.13</b>	<b>FIRE PROTECTION OF FLOORS ABOVE CRAWL SPACES</b>	<b>MODIFICATION</b>	<b>FIRE-RESISTANT MEMBRANE PROTECTION NOW REQUIRED</b>	
R302.13	FIRE PROTECTION OF FLOORS	CLARIFICATION	PROVISIONS FOR FIRE PROTECTION OF FLOORS HAS BEEN MOVED, NEW LANGUAGE HAS BEEN ADDED	
R303.7, R303.8	STAIRWAY ILLUMINATION	CLARIFICATION	INTERIOR AND EXTERIOR STAIRWAY ILLUMINATION PROVISIONS HAVE BEEN PLACED IN SEPARATE SECTIONS	
R304.1	MINIMUM HABITABLE ROOM AREA	MODIFICATION	A REQUIREMENT HAS BEEN REMOVED	
R305	CEILING HEIGHT	MODIFICATION	MINIMUM CEILING HEIGHT FOR CERTAIN ROOMS HAS BEEN REDUCED	

R308.4.2	GLAZING ADJACENT TO DOORS	MODIFICATION	GLAZING WITHIN 24 INCHES OF HINGE SIDE ON IN-SWINGING DOORS NOW REQUIRES SAFETY GLAZING IN SOME SITUATIONS
R308.4.2	GLAZING ADJACENT TO DOORS	MODIFICATION	REQUIREMENTS FOR SAFETY GLAZING PERPENDICULAR TO DOORS HAVE BEEN CHANGED
R308.4.4	GLAZING IN GUARDS AND RAILINGS	MODIFICATION	MOST STRUCTURAL GLASS BALUSTER PANELS IN GUARDS REQUIRES ATTACHED TOP RAIL OR HANDRAIL
R308.4.5	GLAZING AND WET SURFACES	MODIFICATION	NEW SAFETY EXCEPTION FROM SAFETY GLAZING REQUIREMENTS
R308.4.7	GLAZING ADJACENT TO THE BOTTOM STAIR LANDING	CLARIFICATION	FIGURE R308.4.7 HAS BEEN REPLACED
R308.4.7	GLAZING ADJACENT TO THE BOTTOM STAIR LANDING	CLARIFICATION	NEW DEFINITION PROVIDED
R310	EMERGENCY ESCAPE AND RESCUE OPENINGS	CLARIFICATION	SOME PROVISIONS HAVE BEEN REORGANIZED
R310.1	EMERGENCY ESCAPE AND RESCUE OPENINGS	MODIFICATION	REQUIREMENTS FOR BASEMENT BEDROOMS HAVE BEEN UPDATED
R310.3	AREA WELLS FOR EMERGENCY ESCAPE AND RESCUE DOORS	MODIFICATION	"BULKHEAD ENCLOSURES" REPLACED WITH "AREA WELLS"
R310.5, R310.6	EMERGENCY ESCAPE AND RESCUE OPENINGS FOR ADDITIONS ALTERATIONS AND REPAIRS	CLARIFICATION	ADDITIONAL INFORMATION HAS BEEN PROVIDED TO CLARIFY BASEMENT REMODELING ISSUES
R311.1	MEANS OF EGRESS	CLARIFICATION	REQUIREMENTS FOR EGRESS DOORS OF DWELLING UNITS HAVE BEEN UPDATED
R311.7.1, R311.7.8	HANDRAIL PROJECTION	MODIFICATION	NEW EXCEPTION TO HANDRAIL PROJECTION LIMITATION
R311.7.3	MAXIMUM STAIR RISE BETWEEN LANDINGS	MODIFICATION	MAXIMUM RISE INCREASED BY 4 INCHES
R311.7.3, R311.7.5.1	STAIR RISERS	MODIFICATION	TOTAL VERTICAL RISE HAS INCREASED, OPEN RISERS CLARIFIED, NEW EXCEPTION HAS BEEN MADE
R311.7.10.1	SPIRAL STAIRWAYS	MODIFICATION	ADDED DEFINITION, NEW SIZE LIMITATIONS AND METHOD OF MEASURING
R311.7.11, R311.7.12	ALTERNATING TREAD DEVICES AND SHIP LADDERS	MODIFICATION	NOW PERMITTED AS MEANS OF EGRESS FOR SOME LOFTS
R311.7.11, R311.7.12	ALTERNATING TREAD DEVICES AND SHIP LADDERS	ADDITION	ALTERNATING TREAD DEVICES AND SHIP LADDERS HAVE BEEN ADDED TO STAIR PROVISIONS
R311.8	RAMP	MODIFICATION	NEW PERMISSIONS FOR RAMPS THAT DO NOT SERVE REQUIRED EGRESS DOORS
R312.1	GUARDS	CLARIFICATION	GUARD REQUIREMENTS ONLY APPLY TO A SPECIFIC PORTION OF WALKING SURFACE
R312.1.2	GUARD HEIGHT	MODIFICATION	PROVISION HAS BEEN REMOVED
R312.2.1	WINDOW FALL PROTECTION	CLARIFICATION	WINDOW FALL PREVENTION PROVISIONS HAVE BEEN REVISED
R314	SMOKE ALARMS	MODIFICATION	THE EXEMPTION FOR INTERCONNECTION OF ALARMS HAS BEEN REMOVED
R314	SMOKE ALARMS	MODIFICATION	NEW PERMISSIONS AND PROVISIONS HAVE BEEN ADDED
R315	CARBON MONOXIDE ALARMS	MODIFICATION	INTERCONNECTION NOW REQUIRED WHEN MULTIPLE CARBON MONOXIDE ALARMS ARE REQUIRED
R315	CARBON MONOXIDE ALARMS	MODIFICATION	NEW REQUIREMENTS HAVE BEEN ADDED INCLUDING REQUIREMENTS FOR INSTALLATION
R322.1, R322.2	FLOOD HAZARDS	MODIFICATION	R322.1 IS MODIFIED TO EMPHASIZE WHERE PROVISION APPLIES, SECTION R322.2 INCLUDES NEW LIMITATIONS
R322.3	COASTAL HIGH-HAZARD FLOOD ZONES	MODIFICATION	FOR COASTAL A ZONES- IRC NOW PROVIDES SPECIFIC GUIDANCE FOR DESIGN AND CONSTRUCTION
R322.3	COASTAL HIGH-HAZARD AREAS	MODIFICATION	COASTAL A ZONES ARE DEFINED AND A NEW EXCEPTION HAS BEEN ADDED
R324.6	ROOF ACCESS FOR PHOTOVOLTAIC SOLAR ENERGY SYSTEMS	ADDITION	REQUIREMENTS FOR ROOF ACCESS AND PATHWAYS FOR FIREFIGHTERS HAVE BEEN INTRODUCED
R324.6.2.2	SOLAR PANELS NEAR EMERGENCY ESCAPE AND RESCUE OPENINGS	ADDITION	ROOFTOP PHOTOVOLTAIC SOLAR ENERGY PANELS NOT PERMITTED TO BE INSTALLED BELOW EMERGENCY ESCAPE ROUTES
R325	MEZZANINES	ADDITION	NEW PROVISIONS HAVE BEEN ADDED THAT PLACE LIMITATIONS ON CONSTRUCTION OF MEZZANINES
R325.3	MEZZANINE AREA LIMITATION	MODIFICATION	AREA LIMITATION HAS BEEN INCREASED
R325.6, R202	HABITABLE ATTICS	ADDITION	DEFINITION HAS BEEN REVISED, AND TECHNICAL REQUIREMENTS ADDED
<b>BUILDING CONSTRUCTION</b>			

SECTION NUMBER	SECTION HEADING	AMENDMENT	SUMMARY
R403.1.1	MINIMUM FOOTING SIZE	MODIFICATION	NEW FOOTING ASSUMPTIONS
R403.1.2, R602.10.9.1	CONTINUOUS FOOTINGS IN SEISMIC DESIGN CATEGORIES D0, D1, AND D2	CLARIFICATION	CLARIFIES CONTINUOUS FOOTING REQUIREMENTS UPDATED FIGURES AND CODE PROVISIONS CLARIFY MINIMUM REQUIRED REINFORCEMENT IN FOOTINGS AND STEM WALLS
R403.1.3	FOOTING AND STEM WALL REINFORCING IN SEISMIC DESIGN CATEGORIES D0, D1, AND D2	CLARIFICATION	FOOTINGS AND STEM WALLS
R403.1.6	FOUNDATION ANCHORAGE	MODIFICATION	ANCHOR BOLTS NOW REQUIRED TO BE PLACED IN MIDDLE THIRD OF THE SILL PLATE
R403.3(1)	INSULATION REQUIREMENTS FOR FROST PROTECTED FOOTINGS	MODIFICATION	INSULATION THICKNESS REQUIREMENTS FOR TYPE II AND IX EPS HAVE CHANGED TABLE IS NOW UPDATED TO INCLUDE DEPTH AND WIDTH MINIMUMS FOR CRUSHED STON FOOTING WITH PRE-CAST WALL
R403.4	CRUSHED STONE FOOTINGS	MODIFICATION	FOOTING WITH PRE-CAST WALL
R404.1.4.1	MASONRY FOUNDATION WALLS IN SDC D0, D1, AND D2	MODIFICATION	MINIMUM VERTICAL REINFORCEMENT IN MASONRY STEM WALLS HAS BEEN INCREASED
R404.4	RETAINING WALLS	MODIFICATION	MODIFIED DEFINITION OF RETAINING WALLS, NEW REQUIREMENTS FOR RETAINING WALLS RESISTING ADDITIONAL LATERAL LOADS
R408.3	UNVENTED CRAWL SPACE	MODIFICATION	VENTILATION FOR UNDER-FLOOR SPACE NOT REQUIRED IN SOME SITUATIONS
R502.3.1(1), R502.3.1(2)	FLOOR JOIST SPANS FO COMMON LUMBER SPECIES	MODIFICATION	UPDATES HAVE BEEN MADE TO TABLS REGARDING FLOOR JOIST SPANS
R502.10	FRAMING OF FLOOR OPENINGS	MODIFICATION	SOME REQUIREMENTS FOR HEADER JOIST AND TRIMMER CONNECTIONS HAVE BEEN DELETED
R507	DECKS	MODIFICATION	THIS SECTION IS REORGANIZED FOR EASE OF USE
R507.1, R507.4	DECKING	MODIFICATION	MAXIMUM ALLOWABLE SPACING FOR DECK JOISTS HAVE BEEN UPDATED
R507.2	DECK MATERIALS	MODIFICATION	ADDED REQUIREMENTS FOR FASTENERS AND FASTENER CONNECTIONS
R507.3	DECK FOOTINGS	ADDITION	NEW SECTION ON FOOTING MINIMUM SIZE
R507.6	DECK JOISTS	CLARIFICATION	MAXIMUM JOIST SPACING AND TOTAL LENGTH HAVE BEEN CLARIFIED
R507.7, R507.9	DECKING, VERTICAL AND LATERAL SUPPORT	CLARIFICATION	DECKING MATERIALS OPTIONS AND FASTENER SYSTEMS ARE CLARIFIED
TABLE R602.3(1)	FASENING SCHEDULE- ROOF REQUIREMENTS	MODIFICATION	FASTENING SCHEDULE HAS BEEN UPDATED
TABLE R602.3(1)	FASENING SCHEDULE- WALL REQUIREMENTS	MODIFICATION	FASTENING SCHEDULE HAS BEEN UPDATED
TABLE R602.3(1)	FASENING SCHEDULE- FLOOR REQUIREMENTS	MODIFICATION	FASTENING SCHEDULE HAS BEEN UPDATED
R602.3(6)	ALTERNATE STUD HEIGHT	ADDITION	NEW EXCEPTION AND NEW REFERENCE HAV BEEN ADDED FOR CLARIFICATION
R602.3.1	STUD SIZE, HEIGHT AND SPACING	MODIFICATION	TABLE IS DELETED, EXCEPTIONS FOR WALLS GREATER THAN 10 FEET HAS BEEN UPDATED GIRDER AND HEADER SPAN TABLES HAVE BEEN MOVED, MULTI-PLY AND SINGLE HEADER TABLES ARE COMBINED
R602.7	HEADERS	MODIFICATION	GIRDER AND HEADER SPAN TABLES HAVE BEEN MOVED, MULTI-PLY AND SINGLE HEADER TABLES ARE COMBINED
R602.7(1), R602.7(2)	GIRDER AND HEADER SPANS	MODIFICATION	SPANS ARE UPDATED ASSUMING NO. 2 SOUTHERN PINE IS USED
R602.7.5	SUPPORT FOR HEADERS	MODIFICATION	2015 IRC FULL HEIGHT STUD TABLE IS SIGNIFICANTLY ALTERED
TABLE R602.10.3(1)	BRACING REQUIREMENTS BASED ON WIND SPEED	MODIFICATION	UPDATES HAVE BEEN MADE TO THIS TABLE
R602.10.3 (4)	SEISMIC ADJUSTMENT FACTORS	MODIFICATION	CLARIFICATION ON ROOF ANF CEILING DEAD LOADS AND BV-WSP USE HAVE BEEN ADDED CLARIFICATION PROVIDED ON MIXING OF CONTINUOUS SHEATHING METHODS WITH INTERMITTENT ALTERNATE BRACING METHODS
R602.10.4.1	MIXING BRACING METHODS	MODIFICATION	INTERMITTENT ALTERNATE BRACING METHODS
TABLE R602.10.5	CONTRIBUTING LENGTH OF METHOD CS-PF BRACED WALL PANELS	MODIFICATION	UPDATES HAVE BEEN MADE TO MINIMUM LENGTH OF BRACED WALL PANELS
R602.10.6.2	METHOD PFH- PORTAL FRAME WITH HOLD-DOWNS	MODIFICATION	MINIMUM REQUIRED CAPACITY OF HOLDDOWNS IS LOWERED TO 3500 LBS
R602.10.6.5	METHOD BV-WSP	MODIFICATION	CLARIFICATION OF USE FOR BV-WSP METHOD
R602.10.11	CRIPPLE WALL BRACING	MODIFICATION	REDUCTION IN BRACED WALL PANEL SPACING NO LONGER REQUIRED, REFERENCES TO BRACING LENGTH HAVE BEEN CLARIFIED
R602.12	SIMPLIFIED WALL BRACING	MODIFICATION	LIMITS FOR SIMPLIFIED WALL BRACING HAVE BEEN EXPANDED
R603.3.1, R603.3.1.1 (2)	COLD-FORMED STEEL WALL CONSTRUCTION	MODIFICATION	TABLES UPDATED FOR WIND SPEEDS LESS THAN 140 MILES PER HOUR

R603.9.5	STRUCTURAL SHEATHING OVER STEEL FRAMING FOR STONE AND MASONRY VENEER	MODIFICATION	UPDATES HAVE BEEN MADE REGARDING HEIGHT AND LENGTH OF STRUCTURAL SHEATHING	
R606	MASONRY WALLS	REORGANIZATION	R606, R607, R608, AND R609 HAVE BEEN ORGANIZED INTO ONE SECTION	
R606.3.5	GROUTING REQUIREMENTS FOR MASONRY CONSTRUCTION	MODIFICATION	GROUTING ABOVE-GROUND MASONRY WALLS NOW COMBINES REQUIREMENTS FOR OTHER ITEMS, SOME PROVISIONS HAVE BEEN CLARIFIED	
R610.7	DRILLING AND NOTCHING IN STRUCTURAL INSULATED PANELS	MODIFICATION	DRILLING AND NOTCHING PROVISIONS FOR SIP ARE CLARIFIED	
R703.2	WATER-RESISTIVE BARRIER	MODIFICATION	MOST WATER-RESISTIVE BARRIER MATERIALS MUST BE INSTALLED FOLLOWING INSTALLATION INSTRUCTION	
R703.3	SLIDING MATERIAL THICKNESS AND ATTACHMENT	MODIFICATION	TABLE R703.4 IS SIMPLIFIED, NEW CODE LANGUAGE IS ADDED	
R703.3.1	SOFFIT INSTALLATION	MODIFICATION	REQUIREMENTS FOR WOOD STRUCTURAL PANEL SOFFITS ARE ADDED	
R703.5	WOOD, HARDBOARD, AND WOOD STRUCTURAL PANEL SIDING	MODIFICATION	NEW SUBSECTIONS ADDED TO DESCRIBE SPECIFIC REQUIREMENTS	
R703.6	WOOD SHAKES AND SHINGLES ON EXTERIOR WALLS	MODIFICATION	PROVISIONS FOR APPLICATION OF WOOD SHAKES AND SHINGLES HAVE BEEN REORGANIZED	
R703.8.4	VENEER ANCHORAGE THROUGH INSTALLATION	MODIFICATION	MASONRY VENEER ALLOWED TO ATTACH TO THROUGH INSULATION	
R703.9	EXTERIOR INSULATION AND FINISH SYSTEMS (EIFS)	MODIFICATION	NEW LIMITATIONS FOR EXTERIOR INSULATION AND FINISH SYSTEMS HAVE BEEN ADDED	
R703.11.1	VINYL SIDING ATTACHMENT	ADDITION	CLARIFIES NAILING PENETRATION AND SPACING REQUIREMENTS	
R703.11.2	VINYL SIDING INSTALLATION OVER FOAM PLASTIC FOAM SHEATHING	MODIFICATION	NEW TABLE GIVES DESIGN WIND PRESSURES FOR VINYL SIDING RESISTING ALL WIND LOADS	
R703.13, R703.14	INSULATED VINYL SIDING AND POLYPROPYLENE SIDING	ADDITION	NEW MINIMUM REQUIREMENTS FOR INSULATED VINYL SIDING	
R703.15, R703.16, R703.17	CLADDING ATTACHMENT OVER FOAM SHEATHING	ADDITION	THREE NEW SECTIONS ADDED TO SET MINIMUM REQUIREMENTS FOR MULTIPLE ITEMS	
R802	ROOF FRAMING	MODIFICATION	SECTION HAS BEEN CLARIFIED BY THE DIVISION OF CONTENT INTO 3 SEPARATE SECTIONS	
R802.1.5.4	LABELING	MODIFICATION	LABELS HAVE BEEN UPDATED FOR FIRE-RETARDANT TREATED LUMBER	
TABLES R802.4, R802.5	CEILING JOIST AND RAFTER TABLES	MODIFICATION	CEILING JOIST SPANS FOR COMMON LUMBER SPECIES HAS BEEN UPDATED	
R806.1	ATTIC VENTILATION	DELETION	2012 IRC EXCEPTION ALLOWING BUILDING OFFICIALS TO WAIVE VENTILATION REQUIREMENTS HAS BEEN DELETED	
R806.2	MINIMUM VENT AREA	MODIFICATION	MINIMUM VENT AREA EXCEPTION IS CLARIFIED	
TABLE R806.5	INSULATION FOR CONDENSATION CONTROL IN UNVENTED ATTICS	MODIFICATION	UPDATES HAVE BEEN MADE FOR INSULATION FO CONDENSATION CONTROL	
R905.1.1	UNDERLAYMENT	MODIFICATION	UPDATES HAVE BEEN MADE TO UNDERLAYMENT TYPES, APPLICATIONS, AND ATTACHMENTS	
R905.7.5	WOOD SHINGLE APPLICATION	MODIFICATION	MINIMUM REQUIREMENTS FOR APPLICATION OF WOOD SHINGLES ARE EXPANDED, NEW CLARIFICATIONS HAVE BEEN ADDED	
R905.8.6	WOOD SHAKE APPLICATION	MODIFICATION	MINIMUM REQUIREMENTS HAVE BEEN EXPANDED	
R905.16	PHOTOVOLTAIC SHINGLES	MODIFICATION	REQUIREMENTS FOR ROOF DECKS, ROOF DECK SLOPES, UNDERLAYMENT, UNDERLAYMENT APPLICATION, ICE BARRIER, UNDERLAYMENT FOR HIGH-WIND AREAS	
R905.17	BUILDING INTEGRATED PHOTO VOLTAIC PANELS	ADDITION	ADDRESSES INSTALLATION AND ATTACHMENT OF BIPV ROOF PANELS	
R907	ROOFTOP-MOUNTED PHOTOVOLTAIC SYSTEMS	ADDITION	REQUIREMENTS AND NEW LIMITS HAVE BEEN ADDED, REFERENCES MADE TO NFPA 70	
R1005.8	CHIMNEY INSULATION SHIELD	ADDITION	FACTORY BUILT CHIMNEYS NOW HAVE NEW REQUIREMENTS	
<b>ENERGY CONSERVATION</b>				
SECTION NUMBER	SECTION HEADING	AMENDMENT	SUMMARY	
N1101.6, Tables N1101.10.1	FENESTRATION DEFINITIONS AND U-FACTORS	CLARIFICATION	DEFINITION FOR OPAQUE DOOR HAS BEEN ADDED, AND SOME DEFINITIONS HAVE BEEN MOVED	
N1101.13	COMPLIANCE PATHS	MODIFICATION	MANDATORY PROVISIONS HAVE BEEN COMBINED WITH PRESCRIPTIVE PROVISIONS OR PERFORMANCE PROVISIONS	

N1101.1.4	PERMANENT ENERGY CERTIFICATE	MODIFICATION	CERTIFICATE TO BE PLACED ON INTERIOR WALL IN PROXIMITY TO FURNACE OR OTHER APPROVED LOCATION
N1102.1	BUILDING THERMAL ENVELOPE FOR LOG HOMES	MODIFICATION	LOG HOMES NOW EXEMPT FROM PRESCRIPTIVE BUILDING THERMAL ENVELOPE REQUIREMENTS WHEN DESIGNED IN ACCORDANCE ICC-400
N1102.1.2 and N1102.1.4	INSULATION AND FENESTRATION REQUIREMENTS	MODIFICATION	PRESCRIPTIVE U-FACTORS FOR FENESTRATION HAVE BEEN LOWERED
N1102.1.3	R-VALUE COMPUTATION- INSULATED SIDING	MODIFICATION	CHANGES HAVE BEEN MADE TO THE CALCULATION FOR SATISFYING THE WALL INSULATION R-VALUE
N1102.2.2	REDUCTION OF CEILING INSULATION	MODIFICATION	NEW REQUIREMENTS FOR APPLYING THE EXCEPTION FOR INSULATION IN CEILINGS WITHOUT ATTICS
N1102.2.4	ACCESS HATCHES AND DOORS	CLARIFICATION	VERTICAL DOORS THAT ACCESS CERTAIN SPACES DO NOT REQUIRE AN R-VALUE
N1102.2.5	MASS WALLS	CLARIFICATION	MASS WALL PROVISIONS HAVE BEEN ITEMIZED
N1102.2.6	COLD-FORMED STEEL FRAMING R-VALUES	MODIFICATION	CONFLICTING ENTRIES HAVE BEEN REMOVED FROM THE TABLE
N1102.2.7, TABLE N1102.1	R-VALUE REDUCTION FOR WALLS WITH PARTIAL STRUCTURAL SHEATHING	CLARIFICATION	ALLOWED R-VALUE REDUCTION FOR WALLS WITH STRUCTURAL SHEATHING HAS BEEN MOVED TO NEW SECTION
N1102.2.8, TABLE N1102.4	FLOOR FRAMING CAVITY INSULATION	MODIFICATION	TABLE HAS BEEN REFORMATTED, AIR SPACE MAY EXIST ABOVE REQUIRED INSULATION UNDER CERTAIN CIRCUMSTANCES
N1102.4	TESTING FOR AIR LEAKAGE	MODIFICATION	A NEW STANDARD FOR AIR-LEAKAGE TESTING IS NOW REFERENCED
N1102.4.1.1	INSULATION AT WALL CORNERS AND HEADERS	CLARIFICATION	INSULATION REQUIREMENTS AT FRAMED WALL CORNERS HAVE BEEN UPDATED, MINIMUM INSULATION IS R-3 PER INCH
N1102.4.2, TABLE N1102.4	WOOD-BURNING FIREPLACE DOORS	MODIFICATION	DOORS ON WOOD-BURNING FIREPLACES MUST BE LISTED FOR THE APPLICATION, REQUIREMENT FOR GASKETED DOORS HAS BEEN REMOVED
N1103.3	DUCT SEALING AND TESTING	MODIFICATION	DUCT SEALING AND TESTING PROVISIONS HAVE BEEN REORGANIZED, MAXIMUM DUCT LEAKAGE RATES ARE NOW PRESCRIPTIVE
N1103.3.6 and N1103.3.7	DUCTS BURIED WITHIN CEILING INSULATION	ADDITION	NEW PROVISIONS ADDRESS METHODS, MINIMUM COVERAGE, AND THERMAL BENEFITS
N1103.5	HEATED WATER CIRCULATION AND TEMPERATURE MAINTENANCE SYSTEMS	MODIFICATION	UPDATES HAVE BEEN MADE FOR AUTOMATIC CONTROLS, CONTINUOUSLY OPERATING CIRCULATION PUMPS, AND HEAT TRAC SYSTEMS
N1104.1	LIGHTING	MODIFICATION	REQUIRED PERCENTAGE OF PERMANENT LIGHTING FIXTURES WITH HIGH EFFICACY LAMPS HAS INCREASED
N1106.3, N1106.4	MAXIMUM ENERGY RATING INDEX	MODIFICATION	MAXIMUM RATING INDEX VALUES HAVE INCREASED
<b>MECHANICAL</b>			
SECTION NUMBER			
M11305.1.1	ACCESS TO FURNACES WITHIN COMPARTMENTS	AMENDMENT	SUMMARY
M1305.1.3.2	APPLIANCES INSTALLED IN PITS	DELETION	APPLIANCE ACCESS REQUIREMENTS FOR FURNACES HAVE BEEN REMOVED
M1502.3.1	DRYER EXHAUST DUCT TERMINATION	MODIFICATION	REQUIREMENTS FOR APPLIANCE INSTALLATION IN PITS HAS BEEN EXPANDED
M1502.4.2	CONCEALED DRYER EXHAUST DUCTS	MODIFICATION	MINIMUM AREA OF 12.5 SQUARE INCHES FOR TERMINAL OUTLET OF DRYER DUCT EXHAUST SPACE MUST BE ALLOWED TO ENSURE THAT A 4-INCH DUCT STAYS IN ROUND SHAPE
M1502.4.4, M1502.4.5	DRYER EXHAUST DUCT POWER VENTILATORS	ADDITION	CODE NOW RECOGNIZES USE OF DRYER EXHAUST DUCT POWER VENTILATORS TO INCREASE ALLOWABLE EXHAUST DUCT LENGTH FOR CONCEALED LENGTH NO LONGER
M1502.4.6	DRYER DUCT LENGTH IDENTIFICATION	MODIFICATION	USE OF LABEL TAGS UPDATED, PERMANENT LABEL FOR CONCEALED LENGTH NO LONGER REQUIRED IN SOME SITUATIONS
M1503.4	MAKEUP AIR FOR RANGE HOODS	MODIFICATION	AUTOMATIC OPERATION OF A MECHANICAL DAMPER IS NO LONGER REQUIRED FOR CERTAIN KITCHEN EXHAUST SYSTEMS
M1503.6	MAKEUP AIR FOR KITCHEN EXHAUST SYSTEMS	MODIFICATION	MAKEUP AIR NO LONGER REQUIRED FOR DOMESTIC COOKING EXHAUST SYSTEMS UNDER SOME CIRCUMSTANCES
M1506.2	EXHAUST DUCT LENGTH	ADDITION	MAX EXHAUST DUCT LENGTHS BASED ON DUCT DIAMETER, TYPE OF DUCT AND THE EXHAUST FAN AIRFLOW RATING



P2503.5	DRAIN, WASTE, AND VENT SYSTEMS TESTING	MODIFICATION	REDUCTION FROM 10 TO 5 FEET FOR DWV
P2503.7	AIR TESTING OF PEX PIPING	MODIFICATION	COMPRESSED AIR TESTING NOW ALLOWED WHEN TESTING IS IN ACCORDANCE WITH MANUFACTURER INSTRUCTIONS
P2693.2.1	PROTECTION AGAINST PHYSICAL DAMAGE	MODIFICATION	PROTECTIONS REQUIRED FOR PIPING INSTALLED A SPECIFIC DISTANCE FROM THE EDGE OF FRAMING MEMBER
P2602.1	CONNECTIONS TO PUBLIC SEWER OR PRIVATE SEWAGE DISPOSAL SYSTEM	MODIFICATION	IPDC IS REFERENCED FOR INSTALLATION OF PRIVATE SEWAGE DISPOSAL SYSTEMS WHERE THERE ARE NO STATE OR LOCAL REQUIREMENTS
P2603.3	PROTECTION AGAINST CORROSION	MODIFICATION	MINIMUM THICKNESS OF SHEATHING MATERIAL FOR PROTECTION OF PIPING HAS BEEN REDUCED
TABLE P2605.1	PIPING SUPPORT	MODIFICATION	SUPPORT SPACING REQUIREMENTS FOR PEX AND PE-RT HAVE BEEN UPDATED
P2702.1, P2706.1	WASTE RECEPTORS	MODIFICATION	WASTE RECEPTORS ARE NOW PERMITTED IN BATHROOMS AND CLOSETS
P2704	SLIP JOINT CONNECTIONS	MODIFICATION	SLIP JOINT PERMISSIONS HAVE BEEN EXPANDED
P2713.1	BATHTUB OVERFLOW	MODIFICATION	OVERFLOW OUTLETS NO LONGER REQUIRED
P2801	WATER HEATER DRAIN VALVES AND PANS	MODIFICATION	DRAIN VALVES WITH A THREADED OUTLET REQUIRED FOR WATER HEATER
P2801.6	PLASTIC PAN FOR GAS-FIRED WATER HEATERS	MODIFICATION	PLASTIC SAFETY PANS NOW ALLOWED UNDER GAS WATER HEATERS IF CERTAIN CONDITIONS ARE MET
P2804.6.1	WATER HEATER RELIEF VALVE DISCHARGE PIPING	MODIFICATION	T AND P RELIEF VALVE DISCHARGE PIPE TERMINATION MUST HAVE SUITABLE AIR GAP. PX AND PE-RT TUBING HAVE NEW REQUIREMENTS FOR THIS TOPIC
P2901	NONPOTABLE WATER SYSTEMS	MODIFICATION	NONPOTABLE WATER OUTLETS MUST BE IDENTIFIED AND IDENTIFICATION MUST COMPLY WITH CERTAIN REGULATIONS
P2902.5.4, P2904.	BACKFLOW PROTECTION FOR FIRE SPRINKLER SYSTEMS	MODIFICATION	SECTIONS HAVE BEEN REVISED TO CLARIFY ISSUES REGARDING STAND-ALONE AND MULTIPURPOSE FIRE SPRINKLER SYSTEMS
P2903.5	WATER HAMMER ARRESTORS	MODIFICATION	A WATER HAMMER ARRESTOR NOW REQUIRED WHERE QUICK CLOSING VALVES ARE USED
P2906.6.1	SADDLE TAP FITTINGS ON WATER DISTRIBUTION PIPING	ADDITION	SADDLE TAP FITTINGS NO LONGER PERMITTED IN THIS SITUATION
P2906.18.2	JOINTS BETWEEN PVC AND CPVS PIPING	MODIFICATION	SINGLE SOLVENT-CEMENT TRANSITION JOINT NOW AN ACCEPTABLE METHOD OF CONNECTION BETWEEN CPVC AND PVC
P2910-P2913	NONPOTABLE WATER SYSTEMS	MODIFICATION	SECTIONS HAVE BEEN EXTRACTED FROM INTERNATIONAL GREENCODE
P2906.2	LEAD CONTENT OF DRINKING WATER PIPES AND FITTINGS	MODIFICATION	LIMITATIONS ON THIS SECTION HAVE BECOME MORE STRINGENT
P3003.2	PROHIBITED JOINTS FOR SANITARY DRAINAGE	MODIFICATION	SOLVENT CEMENT JOINT NOW PERMITTED FOR JOINING ABS AND PVC PIPING IN SOME SITUATIONS
P3003.9	SOLVENT CEMENTING OF PVC JOINTS	MODIFICATION	4-INCH PIPE SIZE AND UNDER DO NOT NEED PRIMER PRIOR TO SOLVENT CEMENTING BEFORE CERTAIN USES
P3005.1.6	REDUCTION IN PIPE SIZE	MODIFICATION	EXCEPTIONS TO THE PROVISION THAT DRAINAGE PIPING MUST NOT BE REDUCED IN SIZE IN THE DIRECTION OF FLOW HAVE BEEN ADDED
P3005.2	CLEANOUTS	MODIFICATION	A CLEANOUT NO LONGER REQUIRED AT THE BASE OF EACH WASTE OR SOIL STACK, BRASS CLEANOUT PLUGS ONLY ALLOWED FOR METALLIC PIPING
P3008.1	BACKWATER VALVES	MODIFICATION	PERMISSIONS REGARDING BACKWATER VALVES AND EXISTING BUILDINGS HAVE BEEN UPDATED
P3103.1	VENT PIPE TERMINATIONS	MODIFICATION	NEW OPTIONS HAVE BEEN ADDED FOR VENT EXTENSIONS
P3103.1, P3103.2	VENT TERMINALS	MODIFICATION	UPDATES HAVE BEEN MADE REGARDING HEIGHT OF TERMINALS AND PERMISSIONS
P3111	COMBINATION WASTE AND VENT SYSTEM	MODIFICATION	FOOD WASTE DISPOSERS AND DRINKING FOUNTAINS NOW HAVE NEW PERMISSIONS
P3114.8	PROHIBITED INSTALLATIONS FOR AIR ADMITTANCE VALVES	MODIFICATION	NEW RESTRICTIONS PLACED ON USAGE FOR AIR ADMITTANCE VALVES
P3201.2	TRAP SEAL PROTECTION AGAINST EVAPORATION	MODIFICATION	IMAY USE TRAP SEAL PRIMER VALVES SUPPLIED WITH NONPOTABLE WATER AND BARRIER-TYPE TRAP SEAL PROTECTION DEVICES

ELECTRICAL				
SECTION NUMBER	SECTION HEADING	AMENDMENT	SUMMARY	
E3703.5	GARAGE BRANCH CIRCUITS	ADDITION	SEPARATE 20-AMPERE BRANCH CIRCUIT IS NOW REQUIRED	
E3901.2	WALL SPACE FOR RECEPTACLE DISTRIBUTIONS	MODIFICATIONS	CABINETS WITH COUNTERTOPS NOW CONSIDERED WALL SPACE	
E3901.3	APPLIANCES ON 15 AMP CIRCUITS	MODIFICATIONS	INDIVIDUAL 15-AMPERE BRANCH CIRCUIT IS PERMITTED TO SERVE ANY SPECIFIC KITCHEN APPLIANCE	
E3901.9	RECEPTACLE OUTLETS FOR GARAGES	MODIFICATIONS	AT LEAST ONE RECEPTACLE OUTLET REQUIRED FOR EACH CAR SPACE, RECEPTACLE OUTLETS MUST BE SERVED BY A SEPARATE BRANCH CIRCUIT	
E3902.4	GFCI PROTECTION FOR CRAWL SPACE LIGHTING OUTLETS	ADDITION	GFCI PROTECTION REQUIRED FOR LIGHTING OUTLETS OF CRAWL SPACES	
E3902.8, E3902.9, E3902.10	GROUND FAULT CIRCUIT INTERRUPTION PROTECTION	MODIFICATIONS	LAUNDRY AREAS REQUIRE GROUND FAULT CIRCUIT INTERRUPTER	
E3905.2.1	NONMETALLIC SHEATHED CABLE AND METAL BOXES	ADDITION	CABLE MUST EXTEND INTO BOX AT LEAST 1/4 INCH AND PAST THE CABLE CLAMP	
E4203.4.3	LOCATION OF LOW VOLTAGE LUMINARIES	MODIFICATIONS	LISTED LOW VOLTAGE LUMINARIES HAVE NEW PERMISSIONS	
E4204.2	BONDING OF OUTDOOR HOT TUBS AND SPAS	MODIFICATIONS	PERMETER EQUIPOTENTIAL BONDING IS NOT REQUIRED UNDER CERTAIN CONDITIONS	
E4101.3	CORD AND PLUG CONNECTED APPLIANCES	MODIFICATIONS	MAXIMUM CORD LENGTHS HAVE INCREASED	
Appendix Q Addition	TINY HOUSES	ADDITION	A new Appendix Q covers provisions for tiny houses, defined as dwellings with a maximum floor area of 400 square feet.	

