



**City Council**  
**COMMITTEE OF THE WHOLE**  
**City of Belvidere, Illinois**

Alderman Clinton Morris, 1<sup>st</sup> Ward

Alderman Daniel Snow, 2<sup>nd</sup> Ward  
*Co-Chairman, City/County Coordinating*

Alderman Thomas Ratcliffe, 3<sup>rd</sup> Ward  
*Chairman, Finance and Personnel*  
*Vice Chairman Building Planning and Zoning*

Alderman George Crawford, 4<sup>th</sup> Ward  
*Chairman, Public Safety*

Alderman John Sanders, 5<sup>th</sup> Ward  
*Chairman, Building, Planning and Zoning*

Alderman Clayton Stevens, 1<sup>st</sup> Ward  
*Vice Co-Chairman, City/County Coordinating*

Alderman Daniel Arevalo 2<sup>nd</sup> Ward  
*Vice Chairman, Public Safety*

Alderman Wendy Frank, 3<sup>rd</sup> Ward  
*Vice Chairman, Finance and Personnel*

Alderman Ronald Brooks, 4<sup>th</sup> Ward  
*Chairman, Public Works*

Alderman Mark Sanderson, 5<sup>th</sup> Ward  
*Vice Chairman, Public Works*

**AGENDA**

**May 9, 2016**

**6:00 p.m.**

**City Council Chambers**  
**401 Whitney Boulevard**  
**Belvidere, Illinois**

Call to Order: City Clerk Shauna Arco

Roll Call: Present: Absent:

Public Comment:

Public Forum:

Reports of Officers, Boards, and Special Committees:

A. Appointment of Chairman.

1. Building, Planning & Zoning, Unfinished Business: None.

2. Building, Planning & Zoning, New Business:

- A. Reappointments of Art Hyland and Ken Redeker to the Planning and Zoning Commission.
- B. Historic Preservation - Certificate of Appropriateness Requirements.
- C. Borowicz Driveway – 1206 Dalbigne Street.
- D. Northwest Illinois Regional Building Code.

3. Public Works, Unfinished Business: None.

4. Public Works, New Business:

- A. High Water Bill – 231 Secretariats Way.
- B. GPS Device – Proposals.
- C. Well #8 SCADA Upgrade.

5. Other:

- A. Police Department - Carry over hours.
- B. Police Department – Replacement of Department Issued Weapon.
- C. Fire Department Carry over hours.
- D. Fire - Purchase of Mack Engine #1.
- E. Finance - ATM Machine

6. Adjournment:

4-21-16

TO WHOM IT MAY CONCERN:

I WILL BE WILLING TO SERVE ON THE  
PLANNING & ZONING BOARD AGAIN.

Art Nyland

## Shauna Arco

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**From:** Gina DelRose  
**Sent:** Wednesday, April 20, 2016 3:36 PM  
**To:** Shauna Arco  
**Subject:** FW: belvidere plan commission

Ken wants to be reappointed

**From:** Kenneth Redeker [<mailto:kredeker@kw.com>]  
**Sent:** Wednesday, April 20, 2016 3:35 PM  
**To:** Gina DelRose  
**Subject:** Re: belvidere plan commission

Sure why not.

Yes I would like to be reappointed to the Belvidere planning commission.

On Wednesday, April 20, 2016, Gina DelRose <[GDelRose@ci.belvidere.il.us](mailto:GDelRose@ci.belvidere.il.us)> wrote:

Ken-

Your term on the planning and zoning commission is up in May. Did you want to serve another term? If so, could you please send me an email stating that you would like to be reappointed. I will forward it on to the Mayor.

Thanks!

*Gina DelRose*

Community Development Planner

401 Whitney Boulevard, Ste 300

Belvidere, IL 61008

815-547-7177

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**City of Belvidere**

*Community Development*



**Building Department**

**Planning Department**

**401 Whitney Blvd. Suite 300 Belvidere, IL 61008 \* Ph (815)547-7177  
Fax (815)547-0789**

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Date: April 8, 2016

To: Belvidere City Council

From: Gina DelRose, Community Development Planner

Re: Certificate of Appropriateness Requirements

Historic Preservation is regulated through Section 58 of the Belvidere Municipal Code; Article 9 specifically deals with Certificates of Appropriateness. A Certificate of Appropriateness is needed when certain alterations are made to any landmark or any building, structure or site that is within a historic district.

Section 58-95. *Grant or Denial of Certificate of Appropriateness* outlines the process for applying for and granting a Certificate of Appropriateness. Currently the code states that an application for a Certificate of Appropriateness shall be filed no fewer than seven (7) days prior to a meeting of the Historic Preservation Commission. A deadline of seven (7) days prior to a meeting leaves little to no time for staff to ensure that the application is complete, author a staff report regarding the application and send the meeting packets out to the commission members. Typically, packets are mailed out five to seven days prior to the commission meeting.

At the March 22, 2016 meeting of the Belvidere Historic Preservation Commission, discussion was held regarding extending the application deadline to 21 days prior to a meeting of the commission. The commission was in consensus that such a language change would be appropriate. The extra 14 days would allow staff time to adequately research the request and present a staff report to the commission.

The Community Development Department recommends that Section 58-95(a) of the Belvidere Municipal Code be amended to read as:

- (a) An application for a certificate of appropriateness shall be reviewed by the commission at its next regularly scheduled meeting following the filing with the planning department. However, if the application is filed with the department fewer than ~~seven~~ **21** days prior to the next meeting, then the application shall be reviewed at the second regularly scheduled meeting following the filing, unless the commission, on its own motion, votes to review it earlier.

To: Mayor Chamberlin and Members of the City Council

From: Alderman Stevens

Re: 1206 Dalbigne Street

Date: April 27<sup>th</sup> 2016

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I have been talking to Mike and Julia Borowicz of 1206 Dalbigne Street. They live on the corner of Dalbigne and Roosevelt. Their problem is that Roosevelt and Dalbigne channel rain water into their yard. Causing a flood in their yard, the storm that formed the tornado that leveled Fairdale last year brought rainwater to within one half inch of entering their front door. With the rain water collecting there every rain it has caused a problem for them, Mike gets his pickup stuck in the driveway. I have pictures of this. The ultimate solution would be to rebuild Dalbigne and Roosevelt to install curb and storm sewer to carry the rainwater away. Since the budget will not allow this soon it is a project for the future. The Borowicz concern now is their driveway. It is a gravel with a very thin layer of blacktop on top that is very deteriorated. The former owners had hired a gypsy outfit to install it.

The Borowicz want to improve the driveway. They would like to install a blacktop driveway but the contractors that have looked at the job will not blacktop the drive and warranty the work. The Borowicz's want to install a gravel drive till the City fixes Dalbigne and Roosevelt to channel the rainwater away. A drywell is next to the driveway that has a channel to it, but it fills quickly.

I would ask the Council to allow the installation of a gravel drive to be blacktopped after the City fixes the drainage problem. I would like to place this on the agenda for the Committee of the Whole on May 9<sup>th</sup> or Council Meeting on May 2<sup>nd</sup>.

Respectfully,

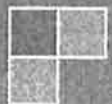
A handwritten signature in black ink, appearing to read "Clayton Stevens". The signature is fluid and cursive, with the first name "Clayton" written in a larger, more prominent script than the last name "Stevens".

Clayton Stevens

Ward One Alderman

2015

Northwest Illinois  
Regional Building Code



**Scope:**

The *Northwest Regional Building Code* is a collaborative effort to standardize building, electrical, and plumbing codes in the Northwest Illinois region. The permit applicant shall consult the applicable code, and these amendments prior to commencing with a construction project or process noted in the Codes. The permit applicant should also check with the local jurisdiction for any existing or specific ordinances that may supersede or be contrary to these amendments.



# 2015 International Residential Code

(1) Table R301.2 (1) is deleted and replaced as follows:

TABLE R301.2(1)  
CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA

GROUND SNOW LOAD	WIND DESIGN				SEISMIC DESIGN CATEGORY <sup>f</sup>	SUBJECT TO DAMAGE FROM			WINTER DESIGN TEMP <sup>e</sup>	ICE BARRIER UNDERLAYMENT REQUIRED <sup>h</sup>	FLOOD HAZARD <sup>g</sup>	AIR FREEZING INDEX <sup>i</sup>	MEAN ANNUAL TEMP <sup>j</sup>
	Speed <sup>d</sup> (mph)	Topographic effects <sup>k</sup>	Special wind region <sup>l</sup>	Wind-borne debris zone <sup>m</sup>		Weathering <sup>a</sup>	Frost line depth <sup>b</sup>	Termite <sup>c</sup>					
30	115	NO	NO	NO	A	SEVERE	42	MOD/HEAVY	-4 DEG F	YES	SEE LOCAL	SEE TABLE	SEE TABLE

For SI: 1 pound per square foot = 0.0479 kPa, 1 mile per hour = 0.447 m/s

- Weathering may require a higher strength concrete or grade of masonry than necessary to satisfy the structural requirements of this code. The weathering column shall be filled in with the weathering index, "negligible," "moderate" or "severe" for concrete as determined from Figure R301.2(1). The grade of masonry units shall be determined from ASTM C 34, C 55, C 52, C 73, C 90, C 129, C 145, C 216 or C 652.
- The frost line depth may require deeper footings than indicated in Figure R301.2(1). The jurisdiction shall fill in the frost line depth column with the minimum depth of footing below finish grade.
- The jurisdiction shall fill in this part of the table to indicate the need for protection depending on whether there has been a history of local subterranean termite damage.
- The jurisdiction shall fill in this part of the table with the wind speed from the basic wind speed map [Figure R301.2(2)]. Wind exposure category shall be determined on a site-specific basis in accordance with Section R301.2.1.4.
- The outdoor design dry-bulb temperature shall be selected from the columns of 97<sup>1/2</sup> percent values for winter from Appendix D of the International Plumbing Code. Deviations from the Appendix D temperatures shall be permitted to reflect local climates or local weather experience as determined by the building official.
- The jurisdiction shall fill in this part of the table with the seismic design category, determined from Section R301.2.2.1.
- The jurisdiction shall fill in this part of the table with (a) the date of the jurisdiction's entry into the National Flood Insurance Program (date of adoption of the first code or ordinance for management of flood hazard areas), (b) the date(s) of the Flood Insurance Study, and (c) the panel numbers and dates of the currently effective FIRMs and FBHMs or other flood hazard map adopted by the authority having jurisdiction, as amended.
- In accordance with Sections R301.2(1), R301.2.1.4, R301.2.1.5, R301.2.1.6, R301.2.1.7, R301.2.1.8 and R301.2.1.9, where there has been a history of local damage from the effects of ice damming, the jurisdiction shall fill in this part of the table with "YES." Otherwise, the jurisdiction shall fill in this part of the table with "NO."
- The jurisdiction shall fill in this part of the table with the 100-year return period air freezing index (BF-days) from Figure R301.2(2), or from the 100-year (99 percent) value on the National Climatic Data Center data table "Air Freezing Index-USA Method (Base 32°F)".
- The jurisdiction shall fill in this part of the table with the mean annual temperature from the National Climatic Data Center data table "Air Freezing Index-USA Method (Base 32°F)".
- In accordance with Section R301.2.1.5, where there is local historical data documenting structural damage to buildings due to topographic wind speed-up effects, the jurisdiction shall fill in this part of the table with "YES." Otherwise, the jurisdiction shall indicate "NO" in this part of the table.
- In accordance with Figure R301.2(1), where there is local historical data documenting unusual wind conditions, the jurisdiction shall fill in this part of the table with "YES" and identify any specific requirements. Otherwise, the jurisdiction shall indicate "NO" in this part of the table.
- In accordance with Section R301.2.1.7, the jurisdiction shall indicate the wind-borne debris wind zone(s). Otherwise, the jurisdiction shall indicate "NO" in this part of the table.

(2) Section 313 is deleted and replaced as follows:

## Section R313

### Automatic Fire Sprinkler Systems

**R313.1 Townhouse automatic fire sprinkler systems.** An automatic residential fire sprinkler system shall be installed in *townhouses*.

**Exceptions:**

1. An automatic residential fire sprinkler system shall not be required where *additions* or *alterations* are made to existing *townhouses* that do not have an automatic residential fire sprinkler system installed, unless the installation of automatic fire sprinklers is required by local municipal ordinance or ordinance of the local fire protection district.

**R313.1.1 Design and Installation.** Automatic residential fire sprinkler systems for *townhouses* shall be designed and installed in accordance with the current edition of The Illinois Plumbing Code and NFPA 13 D.

**R 313.1.2 Other Code Requirements.** All structures built without automatic fire sprinkler systems shall comply with all code requirements of the *International Residential Code* for non-sprinklered construction.

**R313.2 One- and two-family dwellings automatic fire systems.** An automatic residential fire sprinkler system shall not be required to be installed in one- and two-family *dwellings*, including additions and alterations to such dwellings.

**Exceptions:**

1. This provision shall not apply where the installation of automatic fire sprinklers is required by local municipal ordinance or ordinance of the local fire protection district.

**R313.2.1 Design and Installation.** Automatic residential fire sprinkler systems for one- and two-family *dwellings* shall be designed and installed in accordance with the current edition of The Illinois Plumbing Code and NFPA 13 D.

**R 313.2.2 Other Code Requirements.** All structures built without automatic fire sprinkler systems shall comply with all code requirements of the *International Residential Code* for non-sprinklered construction.

(3) Section R322.1.5 is amended as follows:

**R322.1.5 Lowest floor.** The lowest floor shall be the floor of the lowest enclosed area, including basement.

(4) Section R323.2.1 (1 and 4) amended to read as follows:

**R322.2.1 Elevation requirements.**

1. Buildings and structures in flood hazard areas not designated as Coastal A Zones, shall have the lowest floors elevated 12" (30.5 cm) above the design flood elevation.

4. Basement floors that are below *grade* on all sides shall be elevated 12" (30.5 cm) above the design flood elevation.

(2) Section R322.2.2 is deleted in its entirety

(3) Section R403.3.5 is added as follows:

(5) Section R322.2.2 is deleted in its entirety.

**R322.2.2 Enclosed area below design flood elevation.**

(6) Section R403.3.5 is amended as follows:

**R403.3.5 Detached garages or sheds.** The code official may approve a continuous slab on ground foundations which are located where adequate subsoil drainage frost protection is provided and the following conditions are met:

1. Structure is non-occupiable, unconditioned, detached, of Use Groups S or U, does not contain any masonry and does not exceed (1) one story or 25 feet (7.62 m) in height.
2. Slab/foundation may not bear on peats, organic or other questionable soils.
3. Slab thickness is not less than 4" with a minimum of 6" x 6" 10#/10# WWF reinforcing.
4. The perimeter of the slab turns down to a minimum of 12" below grade and is reinforced with a minimum of 1 continuous [minimum 12" tied laps] #4 steel reinforcing bar.
5. A minimum of 4 inches of screened and washed gravel or crushed stone under entire slab. The grade surrounding the building shall fall a minimum of 6" within the first 10'.

(7) Section R1005.1 is amended as follows:

**R1005.1 Listing and clearances.** Factory-built chimneys shall be *listed* and *labeled* and shall be installed and terminated in accordance with the manufacturer's installation instruction. Where, upon inspection, listing

specifications are not present or visible, combustible materials within 18 inches of the chimney shall be protected with 5/8" Type X gypsum board or equivalent.

(8) Chapter 11 ENERGY EFFICIENCY is deleted and replaced as follows:

## **CHAPTER 11 ENERGY EFFICIENCY**

### **Section 1101 GENERAL**

**1101.1 SCOPE.** The provisions of the Illinois Efficient Buildings Act adopts the International Energy Conservation Code with State of Illinois amendments.

(9) Section N1101.4 (R102.1.1) is amended as follows:

**N1101.4 (R102.1.1) Above code programs.** Compliance shall be demonstrated by meeting the requirements of the current *International Energy Conservation Code* as mandated by the State of Illinois.

(10) Section M1201.2 is amended as follows:

**M1201.2 Application.** In addition to the general administration requirements of Chapter 1, the administrative provisions of this chapter shall also apply to the mechanical requirements of Chapters 12 through 24, and the Authority Having Jurisdiction (AHJ).

(11) Section M1201.3 is added as follows:

**M1201.3 Licenses and permits.** Mechanical licenses and permits shall be obtained in accordance with Chapter 1 and the 2015 International Mechanical Code as amended.

**Exception:**

1. Jurisdiction with no mechanical licensing requirements.

(12) Section M1203 is added as follows:

### **M1203 Heating Requirements**

**M1203.1 Heating Required.** Heat/supply air is required in all rooms (including bathrooms).

**Exception:**

1. Unoccupied storage or other unoccupied spaces.

(13) Section M1401.3.1 is added as follows:

**1401.3.1 Calculations Required.** The permit applicant shall submit a room by room Manual J, S, and D calculations for all HVAC equipment and/or replacement prior to permit issuance.

(14) Section M1401.6 is added as follows:

**M1401.6 Furnace repair.** The use of furnace cement or welding for the repair of a furnace heat exchanger is prohibited.

(15) Section M1408 Vented floor furnaces is deleted.

(16) Section M1602.2 - 4. is amended as follows:

4. Return air openings for HVAC systems for all dwelling units, including manufactured and modular homes shall comply with all of the following:

(Remainder unchanged)

(17) G2414.10.1 is added as follows:

**G2414.10.1 Welded connections required.** All gas lines two and one half inches (2 1/2") inside diameter size or larger shall be of welded construction between the consumer's connection to the gas meter and the shut-off valve located immediately adjacent to any gas burning unit. All gas fuel lines carrying gas at one (1) P.S.I.G. or greater, shall be of welded construction between the consumer's connection to the gas meter and the shut-off valve located immediately adjacent to any gas burning unit.

(18) Section G2415.12 404.12 is amended as follows:

**G2415.12 (404.12) Minimum burial depth.** Underground piping systems shall be installed a minimum depth of 12 (30.5mm) inches below grade except as provided for in Section G2415.12.1. Piping systems and electrical wiring shall be separated a minimum of 12 inches horizontal when sharing the same trench. Burial depth may be less than 12 inches as provided for in Section 404.12.1.

(19) Section G2445 (621) Unvented room heaters is deleted.

(20) Section P2501.1 is amended as follows:

**P2501.1 Scope.** The provisions of this chapter and the Illinois Plumbing Code including local amendments shall govern the installation of plumbing. All work shall be performed by State of Illinois licensed plumbers in accordance with the Plumbing Licensing Act.

(21) Appendix E "MANUFACTURED HOUSING USED AS DWELLINGS" is added as part of this Code.

(22) Appendix F "PASSIVE RADON GAS CONTROLS" is added as part of this Code.

(23) Appendix G "PIPING STANDARDS FOR VARIOUS APPLICATIONS" is added as part of this Code.

(24) Appendix H "PATIO COVERS" is added as part of this Code.

(25) Appendix J "EXISTING BUILDINGS AND STRUCTURES" is added as part of this Code.

(26) Appendix M "HOME DAY CARE—R-3 OCCUPANCY" is added as part of this Code.

## 2015 International Building Code

(1) Section 901.1.1 is added as follows:

**Section 901.1.1 International Fire Code.** The requirements of this chapter shall include any additional amendments to the 2015 International Fire Code.

(2) Chapter 11 ACCESSIBILITY is deleted and replaced as follows:

### **CHAPTER 11 ACCESSIBILITY** **Section 1101 GENERAL**

**1101.1 SCOPE.** The provisions of the Illinois Accessibility Code shall control the design and construction of facilities for accessibility for individuals with disabilities.

(3) Chapter 13 ENERGY EFFICIENCY is deleted and replaced as follows:

### **CHAPTER 13 ENERGY EFFICIENCY** **Section 1301 GENERAL**

**1301.1 SCOPE.** The provisions of the Illinois Efficient Buildings Act adopts the International Energy Conservation Code with State of Illinois amendments.

(4) Section 1806.2 Exception is amended as follows by adding the following exception:

#### **Section 1806.2 Presumptive load-bearing values.**

##### **Exceptions:**

1. A presumptive load-bearing capacity shall be permitted to be used where the *building official* deems the load-bearing capacity of mud, organic silt or unprepared fill is adequate for the support of lightweight or temporary structures.
2. Depending on the use, the Code Official may accept designs based upon an assumed soil bearing capacity of 1500 psf provided all of the following conditions are met:
  - a. The building height does not exceed one (1) story or 20 feet in buildings which contain masonry or concrete walls.
  - b. The building height does not exceed one (1) story or 25 feet in buildings which do not contain any masonry or concrete walls.
  - c. The foundation is shallow and the building does not include a basement.
  - d. The building seismic use group is not Category II or III as listed in Table 1604.5
  - e. Footings bear on virgin soil that is not questionable including but not limited to plastic, liquefied, highly sensitive clays, weakly cemented, peats or organic and expansive materials.

Prior to issuance of a building permit, a statement in accordance with Section 1704.1.1 shall be submitted by the permit applicant including the name of the design professional or qualified soils engineer who will be conducting the inspection.

Following excavations and prior to pouring of foundations, a site inspection and written report shall be prepared by a licensed design professional or qualified soils engineer to indicate that no questionable soils have been discovered. A copy of inspection report shall be submitted to the code official prior to inspection listed in Section 109.3.1.

(5) Chapter 29 Water Supply and Distribution is deleted and replaced as follows:

## **Chapter 29 WATER SUPPLY AND DISTRIBUTION**

### **Section 2901**

#### **General**

**2901.1 Plumbing.** Plumbing for new and existing structures shall comply with the Illinois Plumbing Code.

**2901.2 Stormwater Drainage.** Stormwater drainage shall comply with Chapter 11 of the 2015 International Plumbing Code

(5) Appendix F "RODENTPROOFING" is added as part of this Code.

(6) Appendix G "FLOOD-RESISTANT CONSTRUCTION" is added as part of this Code.

(7) Appendix I "PATIO COVERS" is added as part of this Code.



## **2015 International Existing Building Code**

(1) Section 410 is deleted in its entirety and replaced with the following:

### **SECTION 410**

#### **ACCESSIBILITY**

**410.1 General.** Accessibility for existing buildings shall comply with the applicable provisions of the Illinois Accessibility Code.

(2) Section 705 is deleted and replaced with the following:

### **SECTION 705**

#### **ACCESSIBILITY**

**705.1 General.** A building, facility or element that is altered shall comply with the applicable provisions of the Illinois Accessibility Code.

(3) Section 806 is deleted and replaced as follows:

### **SECTION 806**

#### **ACCESSIBILITY**

**806.1 General.** A building, facility or element that is altered shall comply with the applicable provisions of the Illinois Accessibility Code.

(4) Section 906 is deleted and replaced with the following:

### **SECTION 906**

#### **ACCESSIBILITY**

**906.1 General.** A building, facility or element that is altered shall comply with the applicable provisions of the Illinois Accessibility Code.

(5) Section 1012.8 is deleted and replaced with the following:

**1012.8 Accessibility.** A building, facility or element that is undergoing a change of occupancy shall comply with the applicable provisions of the Illinois Accessibility Code.

(6) Section 1105 is deleted and replaced with the following:

**SECTION 1105**

**ACCESSIBILITY**

**1105.1 General.** Additions shall comply with the applicable provisions of the Illinois Accessibility Code.

(7) Section 1204 is deleted and replaced with the following:

**SECTION 1204**

**ACCESSIBILITY**

**1204.1 General.** A building, facility or element that is altered shall comply with the applicable provisions of the Illinois Accessibility Code.

(8) Section 1205.15 is deleted and replaced with the following:

**1205.15 Accessibility.** A building, facility or element that is undergoing a change of occupancy shall comply with the applicable provisions of the Illinois Accessibility Code.

1401.2 is amended as follows:

**1401.2 Applicability.** Structures existing prior to 1985, (rest of section remains unchanged)

## 2015 International Fire Code

(1) Section 307.1.1 is amended as follows:

**307.1.1 Prohibited open burning.** Open burning shall be prohibited.

Exceptions:

1. Where approved by the local jurisdiction
2. Un-incorporated areas with a burn ordinance

(2) Section 307.1.2 is added as follows:

**307.4.4 Materials.** Fuel for all recreational fires and bonfires shall consist only of seasoned dry firewood and other material approved by the fire code official. The fire shall be ignited with a small quantity of paper. The fire shall not be utilized for waste disposal purposes, and the fuel shall be chosen to minimize the generation of air contaminants.

(3) Section 307.4.1.1 is added as follows:

**307.4.1.1 Permit.** All permits, required by section 105.6.31, shall be requested by and issued to the owner of the land upon which the bonfire is to be kindled.

(4) Section 505.3 is added as follows:

**505.3 Strip malls.** When a strip mall has multiple tenant spaces and a dedicated sprinkler control/fire alarm room, the room shall have its own street address.

(5) Section 901.4.2.1 is added as follows:

**901.4.2.1 Discontinuance of use.** All non-required fire protection systems shall be approved for discontinuance by the fire code official. All discontinued equipment and devices, such as pull stations, nozzles, detectors, sprinklers, sensors, panels and hose connections shall be removed so as not to give a false indication that the structure, area or space is protected.

(6) Section 903.2.11.1 item #3 is added as follows:

**903.2.11.1 Stories without openings.**

3. An interior stairway that conforms to requirements of Section 1005 with a fire separation assembly enclosure of not less than 1 hour, which has a door directly to the exterior and the stairway does not connect more than 2 stories. The basement or windowless story floor level shall be 15 feet (4572 mm) or less vertically from the exterior door threshold level and the door threshold shall be within 10 feet (3048 mm) of grade. Interior stair doors or openings shall be provided in each 50 linear feet (15240 mm) or fraction thereof on at least one side of the basement or windowless story.

(7) Section 903.3.9 is added as follows:

**903.3.9 Interior control valves.** The fire code official may require interior control valves to be installed to isolate occupancies that share a fire suppression system. Where valves are installed in a system, valves shall be supervised or locked in the “open” position.

(8) Section 903.3.10 is added as follows:

**903.3.10 Exterior Control valves:** All exterior fire suppression control valves shall have an exterior Indicator Valve (PIV or WPIV) provided in a location approved by the fire code official. Valves shall be locked in the “open position”.

(9) 903.4.2.1 is added as follows:

**903.4.2.1 Strip malls.** Strip malls shall provide individual tenant space notification to comply with IFC 907.1

(10) 907.1.2.1 is added as follows:

**907.1.2.1 Qualifications.** Shop drawings for fire alarm systems shall be prepared by one of the following:

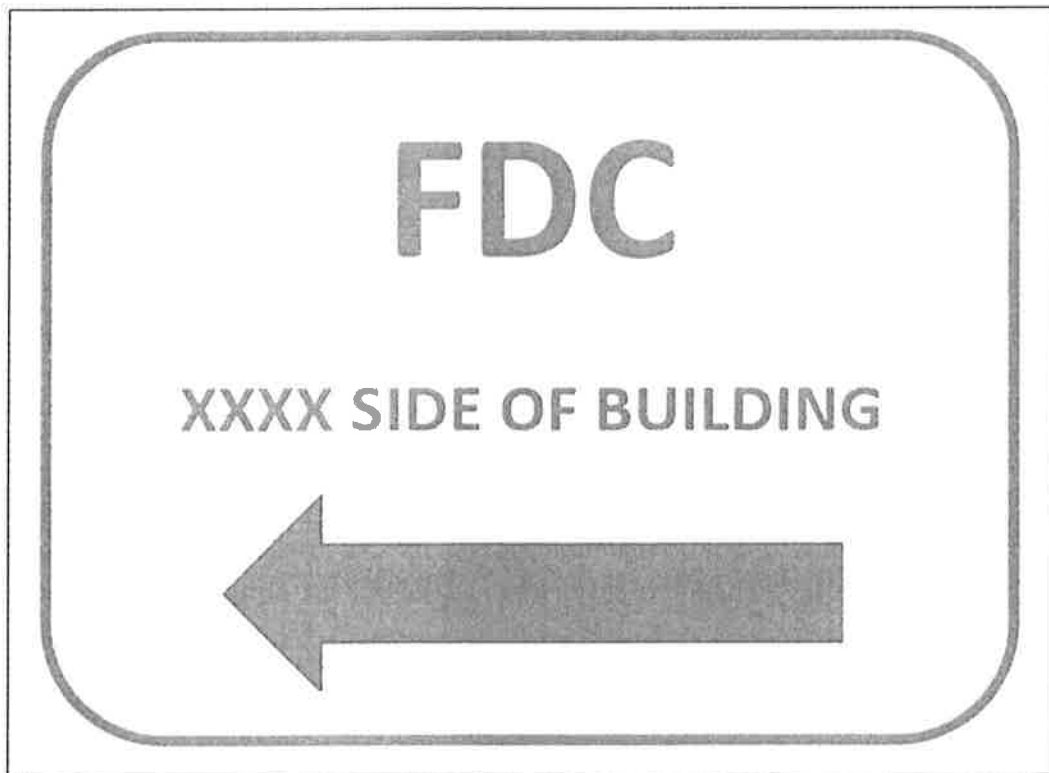
- (1) An Illinois licensed Professional Engineer with formal training in fire alarm layout/design.
- (2) A holder of a valid NICET level III or higher certification in Fire Alarm System Layout, who is either employed by or hired by the fire alarm installation contractor.

(11) 907.1.4 is added as follows:

**907.1.4 Strip malls.** Fire alarm systems shall be capable of identifying a fire alarm device activation or waterflow device activation in each tenant space. An audio/visual device shall be provided at the front entrance to each tenant space to identify the location of an activated device(s).

(12) Section 912.2.2 is added as follows:

**912.2.2 Existing buildings.** On existing buildings, wherever the fire department connection is not visible to approaching fire apparatus, the fire department connection shall be indicated by an *approved* sign mounted on the street front or on the side of the building. **Such sign shall be reflective and constructed of material designed to resist weathering. The sign shall have a white background with all lettering and graphics red in color.** Such sign shall have the letters “FDC” not less than 6 inches (152 mm) high and words in letters not less than 2 inches (51 mm) high or an arrow to indicate the location **not less than 3 inches (75 mm) high.** Such signs shall be subject to the approval of the fire code official.



(13) Section 912.6 is amended as follows:

**912.6 Backflow protection.** A water supply serving a fire suppression system shall be protected against backflow with a Reduced Pressure Zone (RPZ) backflow device and comply with the requirements of *Illinois Plumbing Code*.

(14) Section 5601.2.2 is amended as follows:

**5601.2.2 Sale and retail display.** Persons shall not construct a retail display nor offer for sale *explosives, explosive materials, or fireworks (1.3G or 1.4G).*

(15) Section 5601.1 is amended as follows:

**5601.1 General.** Outdoor fireworks displays, use of pyrotechnics before a *proximate audience* and pyrotechnic special effects in motion picture, television, theatrical and group entertainments productions shall comply with Section 5608.2 through 5608.10 and NFPA 1123, 1126 and all requirements of the Illinois Office of the State Fire Marshal (OSFM).

(16) Appendix B "Fire-Flow Requirements for Buildings" is added as part of this Code.

(17) Appendix C "Fire Hydrant Locations and Distribution" is added as part of this Code.

(18) Appendix D "Fire Apparatus Roads" is added as part of this Code.

(19) Appendix F "Hazard Ranking" is added as part of this Code.

(20) Appendix H "Hazardous Materials Management Plan (HMMP) and Hazardous Materials Inventory Statement (HMIS) Instructions" is added as part of this Code.

## 2015 International Mechanical Code

(1) Section 309.1 is amended as follows:

**309.1 Space-heating systems.** Interior spaces intended for human occupancy shall be provided with active heating systems capable of maintaining a minimum indoor temperature of 68°F (20°C) at a point 3 feet (914 mm) above floor on the design heating day. The installation of portable space heaters shall not be used to achieve compliance with this section.

**Exception:** Interior spaces where the primary purpose is not associated with human comfort.

(2) Section 508.1 is amended as follows:

**508.1 Makeup air.** *Makeup air* shall be supplied during the operation of commercial kitchen exhaust systems that are provided for *commercial cooking appliances*. The amount of *makeup air* supplied to the building from all sources shall be approximately equal to the amount of *exhaust air* for all exhaust systems for the building. The *makeup air* shall not reduce the effectiveness of the exhaust system. *Makeup air* shall be provided by mechanical means. Mechanical *makeup air* systems shall be automatically controlled to start and operate simultaneously with the exhaust system. *Makeup air* intake opening locations shall comply with Section 401.4.

(3) Section 603.6.1.1 is amended as follows:

**603.6.1.1 Duct length.** Flexible air ducts shall ~~not~~ be limited in length to 8 feet overall from termination point and contain no more than the equivalent of one 90 degree turn with no offset greater than 45 degrees. All flexible air ducts shall be of the insulated type. Flexible ducts shall only be used for branches.

(4) Section 603.6.2.1 is amended as follows:

**603.6.2.1 Connector length.** Flexible air connectors shall be limited in length to ~~14 feet~~ 8 feet overall from termination point and contain no more than the equivalent of one 90 degree turn with no offset greater than 45 degrees. All flexible air connectors shall be of the insulated type. Flexible ducts shall only be used for branches.

(5) Section 801.2.2 is added as follows:

**801.2.2 Fuel burning appliances.** PVC vent piping for a fuel burning appliance that is located in a concealed space shall be marked/labeled every 36 inches so as to distinguish it from plumbing or other piping.

(6) Section 918.7 is added as follows:

**918.7 Furnace cement or welding.** The use of furnace cement or welding for the repair of furnace heat exchangers is prohibited.

(7) Section 929 is added as follows:

**SECTION 929**

**UNVENTED ROOM HEATERS**

**929.1 General. Unvented room heaters and/or fireplaces are prohibited**

(8) Section 1002.1.1 is added as follows:

**1002.1.1 Installation.** Water heaters greater than 5 gallons shall not be elevated more than 18" above finished floor (AFF). When elevated, the appliance shall be secured in an approved manner.

(9) Appendix A "Chimney Connector Pass-Throughs" is added as part of this Code.



## 2015 International Fuel Gas Code

(1) Section 402.6 is amended as follows:

**402.6 Maximum Design Operating Pressure.** The maximum design operating pressure for piping systems 1 pound per square inch gauge (psig) (34kPa gauge) or greater shall be welded.

(2) Section 403.10.4, 1 is amended as follows:

1. Threaded fittings in sizes larger than 2 inches shall not be used.

(3) Section 404.2.1 is added as follows:

**404.2.1 Prohibited use.** Corrugated stainless steel tubing (CSST) shall not be installed outdoors.

(4) Section 404.3.1 is added as follows:

**404.3.1 Prohibited Use Underground.** Corrugated stainless steel tubing (CSST) shall not be used underground.

(5) Section 404.9.1 is added as follows:

**404.9.1 Roof locations.** Gas piping installed on roof surfaces shall be painted yellow. Paint and application method shall be approved by the code official.

(6) Section 404.13.1 is added as follows:

**404.13.1 Separation.** Exterior gas piping and electric lines underground shall be horizontally separated a minimum of 12" (304mm).

(7) Section 409.4.1 is added as follows:

**409.4.1 Service Valves.** Service valves installed within 24" (61 cm) of the regulator, shall have no more than three screwed connections.

(8) Section 503.5.5 - 4 is replaced as follows:

4. For sizing a chimney venting system connected to appliances using mechanical draft, the effective area of the chimney flue shall not be greater than two sizes over the effective area required for the appliances.

(9) Appendix A "SIZING AND CAPACITIES OF GAS PIPING" is added as part of this Code

(10) Appendix B "SIZING OF VENTING SYSTEMS SERVING APPLIANCES EQUIPPED WITH DRAFT HOODS, CATEGORY I APPLIANCES AND APPLIANCES LISTED FOR USE WITH TYPE B VENTS (IFGS)" is added as part of this Code.

(11) Appendix C "EXIT TERMINALS OF MECHANICAL DRAFT AND DIRECT-VENT VENTING SYSTEMS (IFGS)" is added as part of this Code.

(12) Appendix D "RECOMMENDED PROCEDURE FOR SAFETY INSPECTION OF AN EXISTING APPLIANCE INSTALLATION (IFGS)" is added as part of this Code.

## NFPA 70: National Electrical Code, 2014 Edition

(1) Article 210.19(A) (5) shall be added as follows:

**210.19 Conductors—Minimum Ampacity and Size. (A) Branch Circuits Not More Than 600 Volts. (5) Microwave Circuits.** The wiring used to supply power to a permanently installed microwave oven shall consist of a dedicated circuit installed with 12 AWG or larger conductors.

(2) Article 210.70(A) (1) shall be amended as follows:

**210.70 Lighting Outlets Required. (A) Dwelling Units. (1) Habitable rooms.** At least one wall switch-controlled lighting outlet shall be installed in every habitable room and bathroom. The switch shall be installed at a point of entry to the room. The main lighting outlet in each room may not be fed from the load side of a GFCI device. Unless 210.70(A)(1) Exception No. 1 is applied, provision shall be made in the wiring of each ceiling box of all habitable rooms (excluding dining rooms) for a luminaire to operate independently from a fan.

(3) Article 210.70(A) (3) shall be deleted and replaced as follows:

**210.70 Lighting Outlets Required. (A) Dwelling Units. (3) Storage or Equipment Spaces.** For accessible attics, underfloor spaces, utility rooms, each area of an unfinished basement, and equipment spaces, at least one lighting outlet containing a switch or controlled by a wall switch shall be installed in such spaces. At least one point of control shall be at the usual point of entry to these spaces. A lighting outlet shall be provided within six feet of any equipment requiring servicing.

(4) Article 210.70(C) shall be amended as follows:

**210.70 Lighting Outlets Required. (C) Other Than Dwelling Units.** For accessible attics and underfloor spaces, at least one lighting outlet containing a switch or controlled by a wall switch shall be installed in such spaces. At least one point of control shall be at the usual point of entry to these spaces. A lighting outlet shall be provided within six feet of any equipment requiring servicing.

(5) Article 230.11 shall be added as follows:

**230.11 Service Modifications.** When any part of the service entrance equipment, branch circuit panel, or service conductor is replaced, modified, or required to be repaired, the service in its entirety must be installed to comply with the current codes. The main branch circuit panel shall be at least 16 spaces.

Exception: Replacement or addition of a branch-circuit overcurrent protective device

(6) Article 230.43 shall be deleted and replaced as follows:

**230.43 Wiring Methods for 1000 Volts, Nominal, or Less.** Service-entrance conductors and service laterals overhead shall be installed in accordance with the applicable requirements of this *Code* covering the type of wiring method used and shall be limited to rigid metal conduit (RMC) or intermediate metal conduit (IMC). Electrical metallic tubing (EMT) may be used inside a building or structure.

(7) Article 230.70 (A) (1) shall be deleted and replaced as follows:

**230.70 General. (A) Location. (1) Readily Accessible Location.** The service disconnecting means shall be installed at a readily accessible location, either outside of a building or structure, or inside at or within 5 feet of the meter enclosure.

(8) Article 250.52 shall be amended as follows:

**Article 250.52 Grounding electrodes.** A concrete-encased electrode that complies with 250.52(A) (3) will be required in all new construction. (Remainder of article unchanged)

(9) Article 300.1(D) shall be added as follows:

**300.1 Scope. (D) Mixed Use and Occupancy Buildings.** The entire mixed use and occupancy building shall be wired by the most restrictive code.

(10) Article 300.5 (D) (3) shall be amended as follows:

**300.5 Underground Installations. (D) Protection from Damage (3) Service Conductors.** Underground service conductors shall be installed in galvanized or stainless steel rigid metal conduit (RMC) or intermediate metal conduit (IMC). Underground service conductors that are not subject to physical damage may be installed in Schedule 80 rigid electrical nonmetallic conduit (PVC), protected by galvanized or stainless steel rigid conduit (RMC) or intermediate metal conduit (IMC) to a minimum of 450 mm (18 inches) below grade. No exposed nonmetallic conduit shall be allowed. Underground service conductors that are not encased in concrete and that are buried 450 mm (18 inches) or more below grade shall have their location identified by a warning ribbon that is placed in the trench at least 300 mm (12 inches) above the underground installation.

(11) Article 300.11(A) (3) shall be added as follows:

**300.11 Securing and Supporting. (A) Secured in Place. (3) Tie Wire.** Tie wire shall not be allowed as a sole means of supporting or securing conduit or cable in above ground applications.

(12) Article 300.13(C) shall be added as follows:

**300.13 Mechanical and Electrical Continuity--Conductors. (C) Multiple Conductors.** A device designed to be used for switching or as a receptacle may not be used to provide electrical continuity to any circuit conductor.

(13) Article 300.13(D) shall be added as follows:

**300.13 Mechanical and Electrical Continuity-Conductors. (D) Push-Type Clamping Devices.**

No push-type or clamp-type connections for splices or for terminating to devices will be allowed unless the wire connection is secured with a screw or crimping tool.

Exception 1: Disconnecting means for ballasts.

Exception 2: Factory installed terminations in luminaires.

(14) Article 310.106(B) shall be deleted and replaced as follows:

**310.106 Conductors. (B) Conductor Material.** Conductors in this article shall be aluminum, copper-clad aluminum, or copper unless otherwise specified. Aluminum and copper-clad aluminum conductors shall be prohibited to be installed in sizes smaller than 4 AWG. Stranded aluminum conductors 4 AWG through 1000 kcmil marked as Type RHH, RHW, XHHW, THW, THHW, THWN, THHN, service-entrance Type SE Style U and SE Style R shall be made of an AA-8000 series electrical grade aluminum alloy conductor material.

(15) Article 314.27 (A) (2) shall be amended as follows:

**314.27 Outlet Boxes. (A) Boxes at Luminaire or Lampholder Outlets. (2) Ceiling Outlets.** At every outlet used exclusively for lighting, the box shall be designed or installed so that a luminaire or lampholder may be attached. Boxes shall be required to support a luminaire weighing a minimum of 23 kg (50lb). A luminaire that weighs more than 23 kg (50lb) shall be supported independently of the outlet box, unless the outlet box is listed and marked on the interior of the box to indicate the maximum weight the box shall be permitted to support. In all habitable rooms with a ceiling fixture (other than recessed fixtures) in a location acceptable for a ceiling-suspended (paddle) fan in single-family, two-family or multi-family dwellings, a box rated for ceiling fan support shall be installed.

(16) Article 334.10 including (1) through (5) shall be deleted and replaced as follows:

**334.10 Uses Permitted.** Type NM, Type NMC, and Type NMS cables shall be permitted to be used only in the following: R-2, R-3, and R-4 structures (as defined by the International Building Code) not exceeding three floors above grade.

(17) Article 334.15(D) shall be added as follows:

**334.15 Exposed Work. (D) All Unfinished Areas.** Any exposed cable 7 feet (213.36cm) or closer to the floor must be protected with a durable building material or sleeved in an approved manner.

(18) Article 334.40 (B) shall be deleted in part:

**334.40 Boxes and Fittings. (B) Devices of Insulating Material.** Delete “and for repair wiring in existing buildings where the cable is concealed.”

(19) Article 410.36(B) shall be amended as follows:

**410.36 Means of Support. (B) Suspended Ceilings.** Framing members of suspended ceiling systems used to support luminaires shall be securely fastened to each other and shall be securely attached to the building structure at appropriate intervals. Luminaires smaller than 610 mm by 610 mm (24 inches by 24 inches) shall be securely fastened to the ceiling framing member by mechanical means such as bolts, screws, or rivets. Listed clips identified for the use with the type of ceiling framing member(s) and luminaire(s) shall also be permitted. Fluorescent fixtures 610 mm by 610 mm (24 inches by 24 inches) or larger shall be supported independently of the ceiling grid by at least two wires on opposite corners of the fixture. The same size (or larger) wire used to support the ceiling system shall be used to support the fixture, but in no case shall the wire size be smaller than size No. 12 AWG steel.

## **The Illinois State Plumbing Code is hereby amended as follows:**

(1) Section 890.120 is amended as follows:

### **Section 890.120 Definitions**

**“Quick Closing Valves”:** A valve or faucet that closes automatically when released or one that has fast action closing, or one that closes with (1/2) one half turn or less.

(2) Section 890.180 is amended by adding a) 1) and 2) as follows:

### **Section 890.180 Sewer and Water Pipe Installations**

a)

- 1) Sewer trenching and/or tunneling not to exceed ten feet (10') total distance.
- 2) Ditches shall be left accessible for inspection of sewer and/or water piping.

(3) Section 890.420 is amended by as follows:

### **Section 890.420 Pipe Cleanouts**

a) Location of Cleanouts within a Building Drain or Building Sewer.

- 1) Cleanouts shall be not more than 50 feet apart, including the developed length of the cleanout pipe, in horizontal drainage lines of four (4) inches or less size. Cleanouts shall be not more than 100 feet apart, including the developed length of the cleanout pipe, in horizontal drainage lines of over four (4) inches to ten (10) inches in size. Cleanouts shall not be more than 150 feet apart, including the developed length of the cleanout pipe, in horizontal drainage lines exceeding ten (10) inches in size. For underground drainage lines exceeding ten (10) inches in size, manholes instead of cleanouts shall be provided and shall be located at intervals of not more than 150 feet.

(4) Section 890.510 is amended by adding a) 7) as follows:

### **Section 890.510 Grease Interceptor Requirements**

a)

- 7) All new or altered installations serving institutions or commercial establishments in which grease, fats, culinary oil, or similar waste products from kitchens or food processing areas, or in which

grease, fats, or culinary oils are wasted in connection with utensil, vat, dish, or floor cleaning processes shall install grease interceptors. All waste lines and drains carrying culinary oil, grease, or fats in the above type establishments shall be directed to one or more interceptors before connecting to the plumbing system. If interceptors are located outside the building, they shall be accessible for maintenance purposes within ten (10) feet of the building.

(5) Section 890.750 is amended by adding c), d), and e) as follows:

**Section 890.750 Hydro Massage/Whirlpool Bathtubs**

- c) Manufacturer's instructions. The product shall be installed in accordance with the manufacturer's installation instructions.
- d) Access to pump. Access shall be provided to circulation pumps in accordance with the fixture or pump manufacturer's instructions. Where the manufacturer's instructions do not specify the location and minimum size of field-fabricated access openings, and where pumps are located more than 2 feet (609mm) from the access opening, an 18-inch by 18-inch (457mm by 457mm) minimum sized opening shall be installed. A door or panel shall be permitted to close the opening. In all cases, the access opening shall be unobstructed and the size necessary to permit the removal and replacement of the circulation pump.
- e) Leak testing. Leak testing and pump operation shall be performed in accordance with the manufacturer's installation instructions.

(6) Section 890.1150) is amended by adding a) 5) as follows:

**Section 890.1150 Water Service Pipe Installation**

a)

5) Combination services (Fire and Domestic) shall split outside the building with an individual stop on the domestic service located a minimum of 5 feet (152.4cm) from the building.

(7) Section 890.1200 is amended by adding a) 1) as follows:

**Section 890.1200 Water Service Sizing**

a)

1) In existing structures which have a ¾" (1.905cm) water service and the service is being replaced, ¾" pipe may be used provided that the building's water supply fixture unit count (WSFU) does not exceed Appendix A Table N limits.

(8) Section 890.1210 is amended by adding j) as follows:

**Section 890.1210 Design of a Building Water Distribution System**



j) All new family dwellings shall have provisions made for soft water hookup, with three valves for bypass, except for outside lawn hydrants and cold water in kitchen sink with proper bypass. Connections and provisions shall be made of properly sized and vented trap within five feet (5') distance of water softener. Bypass connection for future use shall be capped. Exceptions must be requested in writing to the Board of Appeals and will be granted only after inspection has been conducted.

(9) Section 890.1430 is amended by adding d) as follows:

**Section 890.1430 Stack Vents, Vent Stacks, Main Vents**

d) Minimum Size of Stack Vent. Any structure in which a building drain is installed/repared shall have each stack vent or vent stack carried full size to the roof and shall increase to a minimum of four (4) inches, 12 inches below the roof line and 12 inches above the roof line.

(10) Section 890. APPENDIX A - Plumbing Materials, Equipment, Use Restrictions and Applicable Standards is amended as follows:

**Section 890. TABLE A – Approved Building Drainage/Vent Pipe.**

1) Acrylonitrile Butadiene Styrene (ABS) Pipe shall not be permitted.

**Section 890. TABLE A – Approved materials for Building Sewer**

1) Acrylonitrile Butadiene Styrene (ABS) Pipe shall not be permitted.

**Section 890. TABLE A - Approved Materials for Water Service Pipe.**

1) Acrylonitrile Butadiene Styrene (ABS) Pipe shall not be permitted.

7) Galvanized Steel Pipe shall not be permitted.

(11) Section 890. TABLE B – Minimum Number of Plumbing Fixtures is amended as follows:

**Section 890. TABLE B - Minimum Number of Plumbing Fixtures**

All facilities for employee use

Other fixtures – 1 Service sink per floor

ARTICLE II. - BUILDING CODES<sup>i21</sup>

Footnotes:

--- (2) ---

Cross reference— Plumbing code, § 22-276 et seq.; fire prevention code, § 46-81 et seq.

Sec. 22-31. - Adoption.

- (a) ~~The International Building Code, 2003 2015 Edition (hereinafter the "building code" or "IBC") is hereby adopted by reference and made a part of this Chapter, subject to the modifications set forth herein. as published by the International Code Council is hereby adopted as the building code for the City for the purpose of regulating and governing the conditions and maintenance of all property, building and structures; by providing 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 provided herein; providing for the issuance of permits and collection of fees therefore; and each and all of the regulations, provisions, penalties, conditions and terms of said building code are hereby adopted and made a part hereof, as if fully set forth herein with the additions, insertions, deletions and changes, if any, prescribed in this Chapter 22.~~
- (b) ~~The International Residential Code For One And Two Family Dwellings 2015 Edition IRC One and Two Family Dwelling Code, 2003 Edition, (the IRC Code) is hereby adopted by reference and made a part of this Chapter, subject to the modifications set forth herein, as additional regulations to the building code for the control of one and two family residential buildings as provided therein and with each and all of the regulations, provisions, penalties and conditions and terms of the IRC Code adopted and made a part hereof as if fully set forth herein, with the additions, insertions, deletions and changes as prescribed in this Chapter 22, if any.~~
- (c) The 2015 International Fire Code (IFC), 2015 International Mechanical Code (IMC), 2015 International Fuel Gas Code (IFGC) and 2015 International Existing Building Code (IEBC) are hereby adopted by reference, and made a part of this Chapter, subject to the modifications set forth herein.
- (d) The IBC, IRC, NFPA 70, IFC, IMC, IFGC and IEBC may be jointly referred to as the Adopted Codes.
- (e) The 2015 Northwest Illinois Regional Building Code (the Regional Code) is hereby adopted by reference and is deemed to modify and amend the Adopted Codes referenced above. A copy of the Regional Code is attached to Ordinance \_\_\_\_\_.
- (f) ~~In the event of any conflict between the building code and the IRC Code, the conflict shall be resolved by enforcement of the more restrictive provision as determined by the building inspector. In the event of any conflict between either the building code and the IRC Code any of the Adopted Codes and any other portion of this chapter 22, then the other more specific provision contained in this Chapter 22 shall control and be enforced. more restrictive provision shall be enforced.~~
- (g) Appeals of any decision of the building inspector shall be made, in writing, to the City Council and shall specifically set forth the relief sought and the reason therefore and shall cite specifically any provision of any code or case relied upon.

Sec. 22-32. - Exceptions.

(a) The following portions of the International Building Code are hereby excluded from adoption:

- (1) Chapter 27, Electrical.
- (2) Chapter 29, Plumbing Systems.
- (3) Appendix H, Signs.
- ~~(4) Section 101.4.1, Electrical.~~
- ~~(5) Section 101.4.4, Plumbing.~~
- ~~(6) Section 101.4.5, Property Maintenance.~~

~~In the event any of the above excluded portions is referenced in a portion of the International Building Code as adopted, the adopted portion shall be construed in such manner as to omit reference to the excluded portion.~~

(b) The following portions of the IRC Code are expressly excluded from adoption by reference:

- (1) Plumbing, chapters 25, 26, 27, 28, 29, 30, 31 and 32.
- (2) Electrical chapters 34, 35, 36, 37, 38, 39, 40, and 41, ~~and 42.~~
- (3) Appendix I.

(c) In addition, the following are expressly excluded from both the International Building Code and the IRC Code:

- (1) Any provision to the extent that it refers to a board of survey, board of appeals, or to the extent that it grants a right of appeal or hearing to any person. Provided however, that nothing contained herein is intended to deny any person access to a court of competent jurisdiction.
- (2) Any provision to the extent that it purports to grant civil service rights or hearing rights to any officer, official, or employee.
- (3) Any provision which conflicts with or modifies section 22-71, 22-72, 22-73, 22-74, and/or 22-96 through 22-275.

(Code 1982, § 152.02; Ord. No. 832F, § 1, 1-18-94; Ord. No. 51G, § 1, 8-5-96; Ord. No. 120G, § 1(A), 6-2-97; Ord. No. 576G, § 2, 8-18-03)

Sec. 22-33. - Insertions.

The International Building Code and International Residential Code provide that certain insertions be made to the text of those codes. The insertions of this section are inserted into the text of the International Building Code and International Residential Code as if fully written into the original text of that code at the specified locations.

- (1) Wherever the International Building Code or International Residential Code call for the insertion of the "Name of Jurisdiction", insert "City of Belvidere."
- (2) In Section 108.2 of the IRC and 109.2 of the IBC, schedule of fees.
  - a. Application fee for building, electrical, plumbing, heating/AC, sign or a combination of .....\$25.00
  - b. Renewal Fee for renewal of an application or issued permit under sections 105.3.2 or 105.5 of either the International Building Code 2003 or International Residential Code 2003 .....50.00

- c. Residential new construction, attached garages and all finished rooms in basement:  
 First 1,000 square feet or less .....\$250.00  
 Each additional 100 square feet or fraction thereof .....25.00
- d. Remodeling and accessory buildings, re-roofing, re-siding, porches, swimming pools:  
 First \$2,000.00 or less .....\$40.00  
 Each additional \$1,000.00 or fraction thereof .....15.00
- e. Raze or move buildings, residential or commercial  
 First \$2,000.00 or less .....\$110.00  
 Each additional \$1,000.00 .....15.00
- f. New construction of industrial, commercial, and public and institutional:  
 First 1,000 square feet or less .....\$240.00  
 Each additional 100 square feet or less .....22.00
- g. Remodeling and additions or accessory buildings for industrial, public, commercial:  
 First \$2,000.00 or less .....\$140.00  
 Each additional \$1,000.00 or less .....10.00
- h. Signs, billboards, minimum fee .....\$25.00  
 Signs having an area of ten square feet to 20 square feet .....35.00  
 Signs having an area over 20 square feet .....60.00

All sign faces to be counted to determine area.

All permanent business and advertising signs need a permit whether attached flat against the building or placed on a support. Signs over public right-of-way also require annual city license.

Signs with new faces are considered new signs.

- i. Fences. All fences or walls over 30 inches high require a permit.  
 Fee shall be .....\$15.00
- j. Plan examination fee. A plan examination fee equal to 50 percent of the building permit fee shall be paid for all commercial, industrial, and residential (in excess of a two-unit apartment dwelling), or other development determined by the building inspector to be of comparable scale or complexity. An electrical plans review fee shall be charged for all such development and construction in an amount equal to 50 percent of the total electrical permit fee imposed by section 22-198 of this Code. Further, a plumbing plans review fee shall be charged for all such development and construction in an amount equal to 50 percent of the total plumbing permit fee imposed by section 22-315 of this Code.
- k. Code compliance inspection fee. A fee of \$15.00 shall be paid for any inspection of an existing single-family residential unit, made solely to determine compliance of that unit with existing code requirements.

- l. It shall be unlawful for any work to be started on a project before the permit is issued. If a permit is issued after work is started, an additional 100 percent of the required fees shall be added to the cost of the permit. Permits are valid for one year.
- m. Building permit refund.
  - 1. Permits greater than \$75.00:
    - i. Upon written request and prior to any inspection, all moneys received shall be refunded except a \$75.00 processing charge.
    - ii. Upon written request and after one inspection, half the total permit shall be refunded. In any case, \$75.00 shall be retained as a processing charge.
    - iii. No refunds after second inspection.
  - 2. Permits less than \$75.00 are nonrefundable.
  - 3. Section 117.2, insert "\$50.00"; "\$500.00."
- n. The minimum inspection fee not otherwise specified .....\$40.00
- o. Sidewalk, driveway and lot grading inspection all construction .....\$85.00
- p. Insulation inspection fee for residential commercial and industrial:
  - 1. New construction:
    - a. First 1000 square feet or less .....\$30.00
    - b. Each additional 500 square feet or less .....\$5.00
  - 2. Remodel and additions per 1000 square feet or a part thereof .....\$10.00
- q. Residential plan review fee:
  - 1. New construction:
    - a. First 500 square feet or less .....\$10.00
    - b. Each additional 100 square feet or less .....1.00
  - 2. Remodel and additions:
    - a. First 500 square feet or less .....\$10.00
    - b. Each additional 100 square feet or less .....1.00
- r. Zoning review fee:
  - 1. Residential:
    - a. New construction, remodel, additions, fences, pools, porches, decks, sheds, garages, etc .....\$10.00
  - 2. Commercial and industrial .....25.00

Sec. 22-34. - Amendments.

- (a) Section 114 of the IBC, and Section 113 of the IRC, Violation penalties are amended to read as follows: It shall be unlawful for any person, firm or corporation to violate a provision of this code or fail to comply with any of its requirements or to erect, construct, alter or repair a building or structure in violation of an approved plan or directive of the building official or of a permit or certificate issued under the provisions of this code. Each violation shall be punishable by a fine of not less than \$100.00 nor more than ~~\$2,000.00~~ \$750.00. Each day that the violation continues shall constitute a separate violation. This section shall not be construed to prevent the city from seeking injunctive relief in appropriate cases.

- (b) 145. Unsafe structures and equipment. The building inspector and the fire chief or any firefighter designated by the fire chief shall have concurrent authority to inspect buildings or structures which they have reason to believe may be dangerous and unsafe or uncompleted and abandoned. They shall make appropriate reports and recommendations to the mayor and city council.

~~903.2.1.1 Delete "12,000" and (1,115m<sup>2</sup>).~~

903.2.1.1 Insert "5,000" in place of the deleted "12,000."

~~903.2.1.2 Delete "5,000" and (455m<sup>2</sup>).~~

903.2.1.2 Insert "2,500" in place of the deleted "5,000."

~~903.2.1.3 Delete "12,000" and (1,115m<sup>2</sup>).~~

~~903.2.1.3 Delete exception.~~

903.2.1.3 Insert "5,000" in place of the deleted "12,000."

~~903.2.1.4 Delete "12,000" and (1,115m<sup>2</sup>).~~

~~903.2.1.4 Delete exception.~~

903.2.1.4 Insert "5,000" in place of the deleted "12,000."

~~903.2.2 Delete "20,000" and (1,858m<sup>2</sup>).~~

903.2.2 Insert "5,000" in place of the deleted "20,000."

~~903.2.3 Delete "12,000" and (1,115m<sup>2</sup>) and "24,000" and (2230m<sup>2</sup>).~~

903.2.3 Insert "5,000" in place of the deleted "12,000" and insert "5,000" in place of the deleted "24,000."

~~903.2.6 Delete "12,000" and (1,115m<sup>2</sup>) and "24,000" and (2230m<sup>2</sup>).~~

903.2.6 Insert "5,000" in place of the deleted "12,000" and insert "5,000" in place of the deleted "24,000."

~~903.2.8 Delete "12,000" and (1,115m<sup>2</sup>) and "24,000" and (2230m<sup>2</sup>).~~

903.2.8 Insert "5,000" in place of the deleted "12,000" and insert "5,000" in place of the deleted "24,000."

~~903.2.8.1 Delete "10,000" and (929m<sup>2</sup>) and "12,000" and (1115m<sup>2</sup>).~~

903.2.8.1 Insert "5,000" in place of the deleted "10,000" and insert "5,000" in place of the deleted "12,000."

~~903.2.13 Other required suppression systems. Insert Business Group B in excess of 5000 sq. ft.~~

~~903.4.2 Delete "audible."~~

903.4.2 Insert "audio/visual" in place of "audible."

~~903.4.2.1 Insert "Alarm indicating appliances, audio/visual devices — shall be provided, seen and heard in all areas of every building. All sprinklered buildings shall be provided with audio/visual devices. This will provide full building notification."~~

~~903.6 Insert "Manual Pulls/A/V, Detectors—Manual pulls, A/V, and detectors to be on separate zones per floor."~~

~~903.7 Insert "Outside Access—An outside and inside access door to the sprinkler riser valve room and the fire pump room shall be provided."~~

~~903.8 Insert "Separated fire pump room—A 2-hour separate sprinkler valve room and/or fire pump room shall be provided."~~

~~903.9 Insert "FD Connections — Industrial occupancy buildings that have large sprinkler systems or fire protection demands, shall provide a 5" Storz fire department connection."~~

~~903.10 Insert "NFPA 231—General storage, 1998 Edition."~~

~~903.11 Insert "NFPA 231 C—Rack storage, 1998 Edition."~~

~~903.12 Insert "NFPA 231 D—Storage of rubber tires, 1998 Edition."~~

~~905.2 Suppression Systems—Installation Standards. As it references NFPA 14—subsections 6.3.5.4 & 6.3.5.4.1 Delete "30.5m (100ft)."~~

~~905.2 905.2 as it references NFPA 14—subsections 6.3.5.4 & 6.3.5.4.1. Insert 75ft.~~

~~Section 905.3.1 of the International Building Code, 2003 is amended to read as follows:~~

~~[F] 905.3.1 Building Height. Class III standpipe systems shall be installed throughout buildings where the floor level of the highest story is located more than 20 feet above the lowest level of fire department vehicle access, or where the floor level of the lowest story is located more than 20 feet below the highest level of fire department vehicle access.~~

~~Exceptions:~~

- ~~1. Class I standpipes are allowed in buildings equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1 or 903.1.3.1.2.~~
- ~~2. Class I manual standpipes are allowed in open parking garages where the highest floor is located not more than 150 feet above the lowest level of fire department vehicle access.~~
- ~~3. Class I manual dry standpipes are allowed in open parking garages that are subject to freezing temperatures, provided that the hose connections are located as required for Class II standpipes in accordance with Section 905.5.~~
- ~~4. Class I standpipes are allowed in basements equipped with an automatic sprinkler system.~~

- (c) To establish flood hazard areas, the City of Belvidere adopts the Federal Emergency Management Agency engineering report entitled The Flood Insurance Study for the City of Belvidere, 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 as the Flood Hazard Map for the city. The Flood Hazard Map and supporting data are hereby adopted by this reference.

Where building code is more restrictive, the lower number shall apply.

- (d) Section 105.2(1) of the IRC is amended to replace "200 square feet (18.48m<sup>2</sup>)" with "120 square feet".
- (e) Sections 105.2(2) and 105.2(10) are deleted and removed.
- (f) Section 105.2(2) of the IBC is deleted and removed.

- (g) The following provisions and other provisions of this article shall be construed to be additional provisions of the building code of the city even though they are not specifically contained in the published ~~IBC or IRC International Building Code/2003~~. Such regulations shall be construed as supplemental to and in addition to the provisions of the ~~IBC and IRC International Building Code/2003~~, which have been adopted. All such regulations shall be deemed cumulative. In the event of a conflict between provisions ~~of the Adopted Codes adopted by reference to the International Building Code/2003~~ and specific regulations otherwise established herein, the latter shall govern.

(1) Moving Buildings.

(a) No person, firm or corporation shall move any building or structure on, through, or over any street, alley, sidewalk, or other public place in the city without having obtained a permit therefore from the city council.

(b) Applications for such permits shall be made in writing to the city clerk and shall state thereon the proposed route and shall specify the days on which it is intended that the building or structure shall occupy any portion of any street, alley, sidewalk, or other public place.

(c) No such permit shall be valid and no person, firm, or corporation shall move any building or structure on, through, or over any street, alley, sidewalk, or other public place in the city unless and until they cause a public notice to be published as specified in this subsection. The notice shall state the route to be followed and the dates and times that the building shall occupy any portion of any street, alley, sidewalk or other public place in the city. This notice shall be published at least once, not more than seven calendar days nor less than one calendar day before the building or structure occupies any portion of any street, alley, sidewalk or other public place in the city. This notice shall be published in at least one newspaper published in the city or if no newspaper is published therein, then in at least one newspaper having a general circulation within the city. The person, firm or corporation seeking to move the building or structure shall pay the full cost, if any, of such publication.

(d) Upon approval of the intended route and dates by the city council, a fee of \$15.00 for each day or fraction thereof that it is intended that the building shall occupy any such portion of any street, sidewalk, alley or other public place within the city shall be paid to the city clerk and the permit issued. An additional payment of \$15.00 for each day or fraction thereof over and above the time stated on the permit during or on which any building shall occupy such public place shall be paid.

(e) Every person, firm or corporation applying for a permit to move a building or structure shall submit with this application a bond in the amount of \$50,000.00 with surety to be approved by the city council conditioned to indemnify the city for any loss or damage resulting from the work undertaken or the manner of doing same and conditioned upon his compliance with all the provisions of this section, and agreeing to pay and hold the city harmless from any claim which may be made against it by reason of the occupation or use of any street, alley, sidewalk or other public place by the building or structure moved or by persons engaged in the moving operations.

(f) No building or structure shall be moved in whole or in part to any other location on the same or any other lot within the city or from any location outside the corporate limits of the city to any lot within the city, unless such structure conforms with the existing structures adjacent to it in design, height, and general appearance and every portion of such building or structure which is moved and unless the use thereof is made to conform to the building, plumbing, electrical, fire and zoning codes and other ordinances of the city.

(g) No permit shall be issued for the moving of any building or structure into or within the city until the building inspector has examined the structure or building to be moved and made a report thereof to the city council. The report of the building inspector shall include a description of the building or structure and the place of which it is to be moved and the physical condition of the building or structure and whether or not the building can be made to conform to all the building, plumbing, electrical, fire and zoning codes and other ordinances of the city.



(h) The person, firm or corporation moving any building or structure through the streets shall keep warning signs and lanterns or lights at night on the building or structure so as to guard against any person or vehicles from colliding with it.

(i) Whenever it shall be necessary to interfere with wires or cables of a public utility moving a building or structure, the terms of any special or franchise ordinance governing shall apply and the bond therein specified shall be given. If no such terms apply, then the mayor shall estimate the expense of fixing the wires and the bond in an appropriate amount shall be given to cover the expense.

(j) When any such moving building or structure will approach any fire alarm wire or pole which shall or may be endangered by the moving of such building or structure, it shall be the duty of the mover to notify the fire chief at least six hours before reaching such wire or pole so that the wire or pole may be removed or otherwise cared for by the city authorities.

(k) The fees required by this section shall be in addition to the licensing fee established in section 26-216(c) of the Belvidere Municipal Code dealing with house movers.

002 Reinspection fees. If after an initial inspection and one reinspection, the property failed in any respect to comply with the building, electrical, plumbing, HVAC, grading, sidewalks, driveways, and/or any other city code, all subsequent reinspections require payment of \$100.00 each prior to each reinspection.

(Code 1982, § 152.04; Ord. No. 51G, § 2, 8-5-96; Ord. No. 120G, § 1(B), 6-2-97; Ord. No. 438G, § 1, 8-20-01; Ord. No. 528G, § 1, 11-18-02; Ord. No. 576G, §§ 4—7, 8-18-03; Ord. No. 781G, § 1, 1-17-06; Ord. No. 883G, § 1, 1-16-07; Ord. No. 970G, § 2, 7-7-08)

Sec. 22-35. - Certain persons exempted from payment of permit fees.

The city or its designated agents and contractors are exempt from the payment of any building permit fee, electrical permit fee, plumbing permit fee, or any other permit fee that is required by the building code and zoning code of the city.

(Code 1982, § 152.05)

Sec. 22-36. - False or drop ceilings.

(a) Application. This section shall apply to all new commercial and industrial construction and to all commercial and industrial buildings in existence on July 18, 1994, where a building permit had been issued for repairs or remodeling which touch and concern the ceiling.

(b) Elimination of multiple ceilings. No building permit shall be issued by the city building department pursuant to this section unless:

(1) In all new construction, there shall only be one false or drop ceiling installed per room.

(2) In all existing buildings that contain more than one false ceiling, that for each interior room to be remodeled or repaired:

a. That all previously existing false or drop ceilings be removed if a new ceiling is to be installed.

b. That all previously existing false or drop ceilings be removed except one, if a new ceiling is not to be installed.

(Ord. No. 891F, § 1(152.80, 152.81), 7-18-94)

Sec. 22-37.—Amendments pertaining to sprinkler systems:

The 2003 International Building Codes as adopted by section 22-31 is amended as follows:

(1) That the following sections be amended as follows:

903.2.1.1 Delete "12,000" and (1,115 m<sup>2</sup>)

903.2.1.1 Insert "5,000" in place of the deleted "12,000"

903.2.1.2 Delete "5,000" and (455m<sup>2</sup>)

903.2.1.2 Insert "2,500" in place of the deleted "5,000"

903.2.1.3 Delete "12,000" and (1,115m<sup>2</sup>)

903.2.1.3 Delete exception

903.2.1.3 Insert "5,000" in place of the deleted "12,000"

903.2.1.4 Delete "12,000" and (1,115m<sup>2</sup>)

903.2.1.4 Delete exception

903.2.1.4 Insert "5,000" in place of the deleted "12,000"

903.2.2 Delete "20,000" and (1,858m<sup>2</sup>)

903.2.2 Insert "5,000" in place of the deleted "20,000"

903.2.3 Delete "12,000" and (1,115m<sup>2</sup>) and "24,000" and (2230m<sup>2</sup>)

903.2.3 Insert "5,000" in place of the deleted "12,000" and insert "5,000" in place of the deleted "24,000"

903.2.6 Delete "12,000" and (1,115m<sup>2</sup>) and "24,000" and (2230m<sup>2</sup>)

903.2.6 Insert "5,000" in place of the deleted "12,000" and insert "5,000" in place of the deleted "24,000"

903.2.8 Delete "12,000" and (1,115m<sup>2</sup>) and "24,000" and (2230m<sup>2</sup>)

903.2.8 Insert "5,000" in place of the deleted "12,000" and insert "5,000" in place of the deleted "24,000"

903.2.8.1 Delete "10,000" and (929m<sup>2</sup>) and "12,000" and (1115m<sup>2</sup>)

903.2.8.1 Insert "5,000" in place of the deleted "10,000" and insert "5,000" in place of the deleted "12,000"

903.4.2 Delete "audible"

903.4.2 Insert "audio/visual" in place of "audible."

903.4.2.1 Insert "Alarm indicating Appliances audio/visual devices — Shall be provided, seen and heard in all areas of every Building. All sprinklered buildings shall be provided with audio/visual devices. This will provide full building notification."

903.6 Insert "~~Manual Pulls, A/V, Detectors — Manual pulls, A/V, and detectors to be on separate zones per floor.~~"

903.7 Insert "~~Outside Access—An outside and inside access door to the sprinkler riser valve room and fire pump room shall be provided.~~"

903.8 Insert "~~Separated fire pump room—A 2-hour separate sprinkler valve room and/or fire pump room shall be provided.~~"

903.9 Insert "~~FD Connections—Industrial occupancy buildings that has large sprinkler systems or fire protection demands, shall provide a 5" Storz fire department connection.~~"

903.10 Insert "~~NFPA 231—General storage, 1998 Edition~~"

903.11 Insert "~~NFPA 231 C—Rack storage, 1998 Edition~~"

903.12 Insert "~~NFPA 231 D—Storage of rubber tires, 1998 Edition~~"

(2) ~~Where building code is more restrictive the lower number shall apply.~~

(Ord. No. 508G, § 1, 8-19-02; Ord. No. 590G, § 1, 11-3-03)

**Editor's note**—Ord. No. 508G, § 1, adopted Aug. 19, 2002, did not specifically amend the Code. Hence, its inclusion herein as section 22-37 was at the discretion of the editor.

~~Sec. 22-38.—Fire alarm systems.~~

~~In addition to the requirements contained in the International Building Code, 2003 or any other provision of this Code, all newly installed fire alarm systems (whether or not the actual system is a new system or a newly installed used system) shall have its own unique ID (for each device (point)) that is recognized by the alarm panel, and that ID is to be passed on from the alarm panel to the monitoring service.~~

(Ord. No. 883G, § 2, 1-16-07)

~~Sec. 22-39.—Monitoring.~~

~~In addition to the requirements of the International Building Code, 2003, or any other provision of this Code, all multiple tenant buildings (whether residential or commercial) with sprinkler systems shall have those systems zoned per individual tenant space. All sprinkler systems shall have water flow and tamper switches as well as all initiating devices (pull stations, smoke detectors) monitored separately per tenant space. A red strobe device shall be provided over each individual tenant space entrance. The strobe shall activate only upon activation of the water flow or initiating appliance in the tenant space. Upon activation of the fire system all notification appliances within the same zone shall initiate.~~

(Ord. No. 883G, § 3, 1-16-07)

~~Secs. 22-40—22-65.—Reserved.~~

ARTICLE III.—FIRE PREVENTION CODE<sup>[3]</sup>

Footnotes:

~~—(3)—~~

~~Cross-reference—Building code, § 22-31 et seq.~~

~~State Law reference—Fire prevention, 65 ILCS 5/11-6-1.~~

~~Sec. 46-81.—Adoption.~~

~~The International Fire Code, 2003 (the fire code), together with all appendices thereto, as published by the International Code Council is adopted as the fire prevention code of the city for the control of buildings, structures and premises as herein provided; and each and all of the regulations, provisions, penalties, conditions and terms of the International Fire Code are hereby adopted and made a part hereof as if fully set out in this article, with the additions, insertions, deletions and changes, if any, prescribed in this article.~~

~~(Code 1982, § 95.01; Ord. No. 892F, § 1, 7-17-95; Ord. No. 100G, § 1, 3-3-97; Ord. No. 577G, § 1, 8-18-03; Ord. No. 669G, § 1, 11-15-04)~~

~~Sec. 46-82.—Additions, insertions and changes.~~

~~The following sections of the International Fire Code, 2003 are revised as follows:~~

~~(1) Wherever the International Fire Code, 2003 calls for the insertion of the name of the jurisdiction, insert "the City of Belvidere."~~

~~(2) Section 108 of the International Fire Code, 2003, shall be deleted and the following inserted in its place:~~

~~Any person who receives an unfavorable decision from the code official of the City may appeal that decision to the City of Belvidere Public Safety Committee. An application for appeal must be based on at least one of the following alleged errors: 1) that the true intent of this code or the rules legally adopted hereunder have been incorrectly interpreted, 2) the provisions of this Code do not fully apply, or 3) an equally good or better method of fire prevention is proposed. The application must be filed on a form used by the Zoning Board of Appeals (ZBA) in its zoning appeals cases and must be filed with the City Clerk within 20 days after the Code Official renders the decision appealed from. In addition to the fee required to submit an appeal to the Public Safety Committee, the appellee must pay for any costs incurred by the City and the Public Safety Committee in considering and processing the appeal, including, but not limited to, the City and Committee's reasonable professional costs (which may include, but is not limited to, attorney's fees, expert witness fees etc.).~~

~~(3) Section 307, Open Burning and Recreational Fires, of the 2003 International Fire Code shall read as follows:~~

~~Section 307. Open Burning and Recreational Fires.~~

~~307.1 General. A person shall not kindle or maintain or authorize to be kindled or maintained any open burning unless conducted and approved in accordance with this section and § 74-215 of the Belvidere Municipal Code.~~

~~307.2 Permit required. A permit shall be obtained from the fire code official in accordance with Section 105.6 prior to kindling a fire authorized by § 74-215.~~

~~307.2.1 Authorization. Where required by state or local law or regulations, open burning shall only be permitted with prior approval from the state or local air and water quality management authority, provided that all conditions specified in the authorization are followed.~~

~~307.2.2 Prohibited open burning. Open burning shall be prohibited except as set forth in § 74-215 shall be prohibited. The fire code official is authorized to order the extinguishment by the permit holder or the fire department of open burning which creates or adds to a hazardous or objectionable situation.~~

~~307.3 Location. The location for open burning shall not be less than 50 feet (15,240 mm) from any structure, and provisions shall be made to prevent the fire from spreading to within 50 feet (15,240 mm) of any structure.~~

~~Exceptions:~~

- ~~1. Fires in approved containers that are not less than 15 feet (4,572 mm) from a structure.~~
- ~~2. The minimum required distance from a structure shall be 25 feet (7,620 mm) where the pile size is 3 feet (914 mm) or less in diameter and 2 feet (610 mm) or less in height.~~

~~307.3.1 Bonfires. A bonfire shall not be conducted within 50 feet (15 240 mm) of a structure or combustible material unless the fire is contained in a barbecue pit. Conditions which could cause a fire to spread within 50 feet (15 240 mm) of a structure shall be eliminated prior to ignition.~~

~~307.4 Attendance. Open burning or bonfires shall be constantly attended until the fire is extinguished. A minimum of one portable fire extinguisher complying with Section 906 with a minimum 4-A rating or other approved on-site fire extinguishing equipment, such as dirt, sand, water barrel, garden hose or water truck, shall be available for immediate utilization.~~

(4) a. That the following sections of the International Fire Code 2003 are amended as follows;

903.2.1.1 Delete "12,000" and (1115 m<sup>2</sup>).

903.2.1.1 Insert "5,000" in place of the deleted "12,000."

903.2.1.2 Delete "5,000" and (455m<sup>2</sup>).

903.2.1.2 Insert "2,500" in place of the deleted "5,000."

903.2.1.3 Delete "12,000" and (1115m<sup>2</sup>).

903.2.1.3 Delete exception.

903.2.1.3 Insert "5,000" in place of the deleted "12,000."

903.2.1.4 Delete "12,000" and (1115m<sup>2</sup>).

903.2.1.4 Delete exception.

903.2.1.4 Insert "5,000" in place of the deleted "12,000."

903.2.2 Delete "20,000" and (1858m<sup>2</sup>).

903.2.2 Insert "5,000" in place of the deleted "20,000."

903.2.3 Delete "12,000" and (1115m<sup>2</sup>) and "24,000" and (2230m<sup>2</sup>).

903.2.3 Insert "5,000" in place of the deleted "12,000" and insert "5,000" in place of the deleted "24,000."

903.2.6 Delete "12,000" and (1115m<sup>2</sup>) and "24,000" and (2230m<sup>2</sup>).

903.2.6 Insert "5,000" in place of the deleted "12,000" and insert "5,000" in place of the deleted "24,000."

903.2.8 Delete "12,000" and (1115m<sup>2</sup>) and "24,000" and (2230m<sup>2</sup>).

903.2.8 Insert "5,000" in place of the deleted "12,000" and insert "5,000" in place of the deleted "24,000."

903.2.8.1 Delete "10,000" and (929m<sup>2</sup>) and "12,000" and (1115m<sup>2</sup>).

903.2.8.1 Insert "5,000" in place of the deleted "10,000" and insert "5,000" in place of the deleted "12,000."

903.2.13 Other required suppression systems.

Insert Business Group B in excess of 5000 sq. ft.

903.4.2 Delete "audible."

903.4.2 Insert "audio/visual" in place of "audible."

903.4.2.1 Insert "Alarm indicating Appliances audio/visual devices— Shall be provided, seen and heard in all areas of every building. All sprinklered buildings shall be provided with audio/visual devices. This will provide full building notification".

903.6 Insert "Manual Pulls, A/V, Detectors— Manual pulls, A/V, and detectors to be on separate zones per floor."

903.7 Insert "Outside Access— An outside and inside access door to the sprinkler riser valve room and fire pump room shall be provided."

903.8 Insert "Separated fire pump room— A 2-hour separate sprinkler valve room and/or fire pump room shall be provided."

903.9 Insert "FD Connections— All fire department connections shall be a 5" Storz connection."

903.10 Insert "NFPA 231— General storage, 1998 Edition."

903.11 Insert "NFPA 231 C— Rack storage, 1998 Edition."

903.12 Insert "NFPA 231 D— Storage of rubber tires, 1998 Edition."

~~905.2 Suppression Systems—Installation Standards. As it references NFPA 14—subsections 6.3.5.4 & 6.3.5.4.1~~

~~Delete "30.5m (100ft)."~~

~~905.2 905.2 As it references NFPA 14—subsections 6.3.5.4 & 6.3.5.4.1.~~

~~Insert 75ft.~~

~~b.—Where Building Code is more restrictive the lower number shall apply.~~

~~(5) Section 508.2.1 of the International Fire Code, 2003, is amended to read as follows:~~

~~Private Fire Service mains and appurtenances shall be installed in accordance with NFPA 24. Fire hydrants shall be located not more than 300 feet apart for commercial and industrial sites and 500 feet apart for residential sites. Additionally, at least one fire hydrant shall be located at each street intersection and one fire hydrant shall be located within 75 feet of any fire service connection in a building containing a fire suppression system.~~

~~(6) Section 905.3.1 of the International Fire Code, 2003 is amended to read as follows:~~

~~[F] 905.3.1 Building Height. Class III standpipe systems shall be installed throughout buildings where the floor level of the highest story is located more than 20 feet above the lowest level of fire department vehicle access, or where the floor level of the lowest story is located more than 20 feet below the highest level of fire department vehicle access.~~

~~Exceptions:~~

- ~~1. Class I standpipes are allowed in buildings equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1 or 903.1.3.1.2.~~
- ~~2. Class I manual standpipes are allowed in open parking garages where the highest floor is located not more than 150 feet above the lowest level of fire department vehicle access.~~
- ~~3. Class I manual dry standpipes are allowed in open parking garages that are subject to freezing temperatures, provided that the hose connections are located as required for Class II standpipes in accordance with Section 905.5.~~
- ~~4. Class I standpipes are allowed in basements equipped with an automatic sprinkler system.~~

~~(Code 1982, § 95.02; Ord. No. 892F, § 1, 7-17-95; Ord. No. 100G, § 1, 3-3-97; Ord. No. 577G, § 2, 8-18-03; Ord. No. 588G, § 1, 10-20-03; Ord. No. 597G, § 1, 12-15-03; Ord. No. 669G, § 2, 11-15-04; Ord. No. 707G, § 1, 4-18-05); Ord. No. 882G, § 1, 1-16-07)~~

~~Sec. 46-83.—Additional requirements relating to explosive materials storage and handling:~~

~~In addition to the provisions of section 3304 of the International Fire Code, 2003, any person or business that stores explosive materials or materials that are used in conjunction with explosives must supply the following information to the fire chief of the city:~~

- ~~(1) National Fire Prevention Association (NFPA 704) information, if available.~~
- ~~(2) Department of Transportation (DOT) information, if available.~~
- ~~(3) Any trade name.~~
- ~~(4) True names.~~
- ~~(5) The maximum quantity on hand at any given time.~~

~~(Code 1982, § 95.03; Ord. No. 892F, § 1, 7-17-95; Ord. No. 100G, § 1, 3-3-97; Ord. No. 577G, § 3, 8-18-03)~~

~~Sec. 46-84.—Additional provisions.~~

~~Sections 46-1, 46-1.5, 46-2, 46-34—46-40 shall be construed as additional provisions regulating fire prevention and safety.~~

~~(Code 1982, § 95.04; Ord. No. 130G, § 1, 7-7-97)~~

~~Sec. 46-85.—Inspection and service fees.~~

- ~~(a) The owner of any property or building requiring inspection of a fire alarm system or fire extinguishing system shall pay the fees as set forth in appendix A of this Code prior to the inspection.~~
- ~~(b) Where local ordinance, state statute or any other code, statute, rule or ordinance requires, or where the fire department is requested to, review any project, site, variance request, plan, plat or general permits, the applicant and/or owner shall pay the fees as set forth in appendix A of this Code.~~
- ~~(c) Where the fire department responds to any structural fire in which the fire department, in its sole discretion, there is more than \$1,000.00 in damage, the owner of the structure shall pay a response/service fee as set forth in appendix A of this Code.~~

~~(Ord. No. 657G, § 1, 8-16-04)~~

~~Sec. 46-86.—Fire alarm systems.~~

~~In addition to the requirements contained in the International Fire Code, 2003 or any other provision of this Code, all newly installed fire alarm systems (whether or not the actual system is a new system or a newly installed used system) shall have its own unique ID (for each device (point)) that is recognized by the alarm panel, and that ID is to be passed on from the alarm panel to the monitoring service.~~

~~(Ord. No. 882G, § 2, 1-16-07)~~

~~Sec. 46-87.—Monitoring.~~

~~In addition to the requirements of the International Fire Code, 2003, or any other provision of this Code, all multiple tenant buildings (whether residential or commercial) with sprinkler systems shall have those systems zoned per individual tenant space. All sprinkler systems shall have water flow and tamper switches as well as all initiating devices (pull stations, smoke detectors) monitored separately per tenant space. A red strobe device shall be provided over each individual tenant space entrance. The strobe shall activate only upon activation of the water flow or initiating appliance in the tenant space. Upon activation of the fire system all notification appliances within the same zone shall initiate.~~

~~(Ord. No. 882G, § 3, 1-16-07)~~



ARTICLE III. - ELECTRICITY

DIVISION 1. - GENERALLY

Sec. 22-66. - Definitions.

The following words, terms and phrases, when used in this article, shall have the meanings ascribed to them in this section, except where the context clearly indicates a different meaning:

Electrical equipment means conductors and other equipment installed for the utilization of electricity for light, heat or power. It does not include radio apparatus or equipment for wireless reception of sounds and signals; and it does not include apparatus, conductors or other equipment installed for or by public utilities including common carriers, which are under the jurisdiction of the state commerce commission, for use in their operation as public utilities.

(Code 1982, § 153.02; Ord. No. 531G, § 1, 12-16-02)

**Cross reference**— Definitions generally, § 1-2.

Sec. 22-67. - Standards and specifications adopted.

~~(a) There are adopted, as safe and practical standards for the installation, alteration, and use of electrical equipment in the city, the rules and regulations of the National Fire Protection Association for electrical wiring and apparatus, contained in the code known as the National Electrical Code of 2002 except such portions as are hereafter modified, or amended, a copy of which code is now on file in the office of the city clerk, the electrical inspector, and the building inspector; and the same are adopted and incorporated as fully as if set out at length herein; and from the date on which this section shall take effect the provisions thereof shall be controlling within the limits of the city; and the National Electrical Code of 2002 and the amendments thereto adopted shall be known as the electrical code.~~

(a) The 2014 National Electric Code International Code Electrical Series (NFPA 70) is hereby adopted by reference and made a part of this Chapter, subject to the modifications set forth herein.

(b) Building, electrical and fire inspectors shall apply these codes; and the most restrictive code shall be applied.

(Code 1982, § 153.35; Ord. No. 11G, § 2, 2-5-96; Ord. No. 26G, § 1, 4-15-96; Ord. No. 531G, § 1, 12-16-02)

~~Sec. 22-68. - Amendments to the National Electrical Code Electric Service.~~

~~(a) Residential new service shall be in metal conduit only.~~

~~(b) Commercial or industrial new service shall be in metal conduit only; apartments, townhouses, condos, over two units and multifamily, all wiring, new service and subpanels shall be in metal conduit only. For minimum service, use 100-amp, 16-circuit-breaker cabinet with 100-amp main breaker. The minimum breaker panel size for 200-amp service shall be 30 space.~~

~~(c) Service on pole or outside run to main cabinet or subcabinet shall also have main breaker or disconnect inside cabinet.~~

- (d) ~~Two separate eight-foot ground rods placed at least six feet apart. Ground wire to come out the meter base, and connect to ground rod with ground clamp. Ground wire goes to terminal at meter socket and on into terminal in breaker panel, bonding bushings required around concentric or eccentric knockouts.~~
- (e) ~~Ground clamp to be six inches above grade.~~
- (f) ~~Service shall be grounded to a metallic cold water pipe and to a supplementary electrode. Water meter requires a bonding jumper.~~
- (g) ~~Minimum 100-amp service will be #3 copper or #2 aluminum and 1¼-inch conduit.~~
- (m) ~~Minimum 200-amp service will be #3/0 copper, 4/0 aluminum and two-inch conduit.~~
- (n) ~~At no time shall aluminum wire ever be used as service entrance conductors.~~
- (o) ~~Dwellings that have an area greater than 1,600 square feet shall have a minimum service rating of 200 amps.~~
- (p) ~~Entrance cable shall not be used for service or electric stove runs. The use of service entrance cable will only be approved by inspector in some farm building applications.~~
- (q) ~~Type of wiring.~~
  - (1) ~~Romex with a bare conductor for equipment ground.~~
  - (2) ~~In basement and garage, exposed wiring to be in conduit, basement, upper runs drop to box and use conduit. In basement and garage, wiring to be covered by drop ceiling or drywall.~~
  - (3) ~~Termination at permanently installed wiring devices shall be of the binding head screw or screw tightened clamp type or set screw type or manually torqued hardware.~~
  - (4) ~~Premises wiring methods utilized for component interconnection, box dimensions, and switches and receptacles with integral enclosures shall not be allowed in dwelling occupancies. Surface wiring methods listed and otherwise approved by the National Electrical Code may be allowed. Terminations at permanently installed wiring devices shall be of binding head screw or screw tightened clamp type or set screw type or manually torqued hardware. Splices and taps shall be installed by methods in compliance with provisions of article 110 and other applicable articles of the National Electrical Code.~~
  - (5) ~~Note: Insulation will no longer be a means of cover.~~
  - (6) ~~Metal buildings and metal sheds shall be done in conduit only. Commercial, farm, agricultural and industrial buildings shall be in metal conduit only. All dwellings or structures exceeding three floors above grade shall be in metal conduit only.~~
  - (7) ~~The use of electrical nonmetallic tubing (ENT) shall be prohibited in commercial, residential, industrial and in all applications.~~
  - (8) ~~The use of metal clad cable shall be prohibited in all applications, commercial, residential and industrial.~~
  - (10) ~~All agricultural buildings shall be in metal conduit.~~
  - (11) ~~Mobile homes shall conform to current National Electrical Code and current city code.~~
  - (12) ~~Switches, devices and fixtures to be rated according to conductor size.~~
    - ~~All commercial and industrial outlets to be 20 amp rated.~~
  - (13) ~~Garage receptacles on 20-amp separate circuit with 20-amp GFI rated receptacles.~~
  - (14) ~~The refrigerator or freezer or central vacuum to be single receptacle and does not have to be on a GFI.~~
  - (15) ~~(16) Basement to be on separate circuit lights also.~~

- (17) ~~Laundry equipment and sump pump to be on single circuit receptacle and not on a GFI circuit.~~
- (18) ~~Industrial and commercial to comply with ground fault requirements of the city.~~
- (19) ~~The use of metal staples is prohibited.~~
- (20) ~~No stacking of more than two # 14-12-10 Romex, the use of stackers is required.~~
- (21) ~~Armor cable may be used if preapproved by the electrical inspector.~~
- (r) ~~Circuits and required outlets.~~
  - (1) ~~Receptacles and lights eight openings on #14 wire use 15-amp breaker; ten openings on #12 wire use 20-amp breaker.~~
  - (2) ~~Install one wall switch to control light outlet in every room, hallways, stairways, garage and outdoor entrances.~~
- (s) ~~Splices and connections.~~
  - (1) ~~Wires shall be twisted and mechanically secured with wire nuts.~~
  - (2) ~~Romex must be stripped before putting in boxes.~~
  - (3) ~~All receptacles to be bonded.~~
  - (4) ~~No more than two wires will be allowed on a receptacle.~~
  - (5) ~~Joints are to be made up for rough-in inspection.~~
- (t) ~~Laundry. One 20-amp circuit for receptacle, receptacles to be rated 20-amp is required.~~
- (u) ~~Kitchen.~~
  - (1) ~~Lighting to be on one circuit, dishwasher on one circuit, receptacles shall be on two 20-amp circuits, receptacles to be rated 20-amp. Receptacle to be installed on each counter space wider than nine inches.~~
  - (2) ~~Microwave to be on separate 20-amp circuit.~~
- (v) ~~Garage.~~
  - (1) ~~At least one 20-amp circuit with receptacle rate 20-amp is required.~~
  - (2) ~~Each finished and unfinished wall in garage is to have two 20-amp receptacles on a GFI.~~
- (w) ~~Closets. Closets less than three-foot depth will have to have approved closet fixtures if light is installed.~~
- (x) ~~Basement.~~
  - (1) ~~Finished walls to have a receptacle every 12 feet of wall space.~~
  - (1) ~~Entire bathroom on ground-faults, lights included.~~
  - (2) ~~Bathrooms, saunas, swimming pools, garages and outside receptacles on ground-fault.~~
  - (3) ~~Device box to have proper amount of cubic inches for wires and ground-fault receptacle.~~
  - (4) ~~Garage door opener outlet does not have to be ground-fault.~~
  - (5) ~~(6) GFI receptacles required within six feet of any sink or laundry tub area.~~
  - (7) ~~(8) Outside outlet required adjacent to patio doors.~~
  - (9) ~~Note: All GFI outlets have to be identified as GFI outlets.~~
- (z) ~~Boxes.~~
  - (1) ~~Wiring device boxes shall have sufficient cubic inches for wires installed.~~

- (2) ~~All ceiling boxes have to be metal, and ceiling fan approved. Boxes required in dining room, living room, kitchen, family room, offices, bedrooms, and all habitable rooms.~~
- (3) ~~Commercial and industrial bathrooms accessible to the public to have emergency lights installed~~
- (cc) ~~Bathtub and shower designated zone, the zone measures three-foot horizontally and eight-foot vertically from the top of the bathtub rim or shower stall threshold. No outlets or switches to be in the designated zone.~~
- (cc) ~~Water pump, furnace, and air conditioner.~~
  - (1) ~~Furnace and air conditioner shall have disconnect switch for the appliance.~~
  - (2) ~~Water pump shall have disconnect switch if not in same room as breaker panel and if over 12 feet from panel.~~
- (dd) ~~Miscellaneous.~~
  - (1) ~~Electrical contractors will have circuits identified for the final inspection.~~
  - (2) ~~Electrical contractors are to have their business identification on the meter socket or base and on the main breaker panel; example:~~
    - ~~Name and phone number. Electrical contractors shall have available address and lot number on the service meter socket, along with name and phone number.~~
  - (3) ~~All homes under construction shall have addresses and lot numbers visible to inspectors from the road at all times.~~
  - (4) ~~All can lights shall be IC or double housing type when covered by insulation.~~
  - (5) ~~(ee) Mobile homes.~~
    - (1) ~~The connection from the distribution panels in a mobile home to a power source shall be made with proper conduit that has been approved by the city/county.~~
    - (2) ~~Approval of electrical before occupancy.~~
- (ff) ~~Smoke alarms.~~
  - (1) ~~To be installed in hallways, basement areas, on all levels and in all bedrooms and sleeping areas. Smoke alarms are to be hardwired 120-volt interconnected with battery backup. This applies to all residential, multifamily and apartment units. This also includes new construction and new remodeling.~~
  - (2) ~~Commercial and industrial to have alarm systems or hardwired 120-volt interconnecting battery back-up smoke detectors.~~
  - (3) ~~New and old multifamily, apartment, commercial and industrial buildings to have emergency lights and exit lights installed where deemed necessary by the building, electrical and fire department officials.~~
- (gg) ~~Inspections to be called in by the electrical contractor. Inspections called in need permit number and address.~~
  - (1) ~~Service (do not call for inspection unless backfill is in area of meter)~~
  - (2) ~~Rough-in.~~
  - (3) ~~Final before occupancy.~~

(Code 1982, § 153.36; Ord. No. 977F, §§ 3—5, 7-17-95; Ord. No. 531G, § 1, 12-16-02)

Sec. 22-69. - Defective conditions.

Where installation of any wiring or electrical devices or material is found to be in a dangerous or unsafe condition the electrical inspector shall at once notify in writing the person owning, using, or operating the same, specifying wherein the same is dangerous or unsafe; and such person shall, within the time specified in such notice, make such repairs or changes as may be necessary to place such wiring, devices, and materials in a safe condition.

(Code 1982, § 153.37; Ord. No. 531G, § 1, 12-16-02)

~~Sec. 22-70. Existing residences.~~

- ~~(a) Electric service. Existing electric service shall be a minimum of 100-ampere 240-volt, three-wire with distribution panel and wiring properly installed and protected. Main disconnect and overcurrent protective devices to be accessible to each tenant. All overcurrent devices such as fuses or breakers shall be used to protect branch circuit conductors. All panels to be dead front.~~
- ~~(b) Service grounding. When grounding on house side of water meter, jumper to be installed around water meter.~~
- ~~(c) Electric wiring and facilities. No dwelling or dwelling unit shall be deemed to comply with the requirements of this article relating to electric wiring and facilities unless:
  - ~~(1) Exposed wire. Every exposed wire has insulation which is in good condition.~~
  - ~~(2) Switch outlet plate. Every switch and outlet plate is fastened in position.~~
  - ~~(3) Short circuit. No short circuit or break exists in any electric lines.~~
  - ~~(4) Fixtures. Every fixture and outlet functions properly and is fastened in place.~~
  - ~~(5) Shock hazard. No obvious shock hazard exists.~~
  - ~~(6) Temporary wiring. No temporary wiring is used, except cords which run directly from portable electric fixtures to convenience outlets, and which do not lie beneath floor-covering materials, pierce walls, or extend through doorways, transoms or other similar apertures through structural elements.~~
  - ~~(7) Overload. No electric circuit is overloaded as a result of connecting appliances which operate at high wattages to outlets supplied with wire of adequate size.~~
  - ~~(8) Exposed noncurrent metal parts. All exposed noncurrent metal parts of the electrical system that are within eight feet vertically or five feet horizontally of ground or grounded metal object subject to contact by persons shall be grounded.~~
  - ~~(9) Exposed tube wiring. There shall be no exposed knob and tube wiring in basements, garages, etc.~~
  - ~~(10) Maintenance in good condition. Every outlet and fixture shall be properly maintained in good and safe condition and shall be connected to source of electric power in safe condition.~~
  - ~~(11) Hall and stairway lighting. Every hall and stairway in multiple dwelling containing five or more dwelling units shall be adequately lighted at all times. Every hall and stairway in structures devoted to solely dwelling occupancy and containing not more than four dwelling units shall be supplied conveniently located light switches, controlling an adequate lighting system, which may be turned on when needed, instead of full time lighting.~~
  - ~~(12) Wall switches. All habitable rooms shall have wall to control a light or receptacle outlet.  
Stairways from one living level to another shall have three-way switches at each level.  
Wall switch and permanently mounted light shall be installed at all exterior doorway entrances.  
Wall switch or switches shall for attic stairway and basement stairway lights.~~~~

~~Wall switch and permanently installed lights shall be installed in dining rooms, kitchens, and bathrooms.~~

~~(13) Light fixtures. Permanently installed light fixtures shall be installed in utility rooms, over laundry tubs, in area of electric panel or panels, and in other areas requiring general illumination.~~

~~Permanently installed light fixtures to be installed and controlled by wall switch or switches in dining rooms, kitchens, and halls or stairways and bathrooms.~~

~~(14) Convenience of receptacle outlets. In all habitable rooms, a minimum of two duplex wall receptacle shall be installed, each on opposite walls.~~

~~In living rooms, recreation rooms and family rooms, a minimum of three duplex receptacles shall be installed, each on separate walls.~~

~~In bathrooms, one wall-mounted receptacle shall be installed adjacent to sink on G.F.C.I. Receptacle outlets shall not be installed within or adjacent to shower or bathtub space.~~

~~In kitchens, a minimum of three wall receptacles shall be installed, two receptacles to be accessible at all times.~~

~~One receptacle shall be installed within six feet of laundry tubs.~~

~~Receptacle outlets installed in basements, garages, open porches, breezeways, or other locations used by person standing on the ground or on grounding conductive material shall be installed on a grounded system and shall be G.F.C.I. protected.~~

~~No receptacle, unless in an approved box, shall be installed in the floor.~~

(Code 1982, § 153.38; Ord. No. 531G, § 1, 12-16-02)

#### Sec. 22-71. - Appeals.

When the electrical inspection condemns all or any part of any electrical installation, the owner or his agent may within five days, after receiving written notice of such condemnation and the reasons therefore, petition the electrical commission for a review of such finding by filing a petition with the chairman of the commission. Upon receipt of the petition, the electrical commission shall at once proceed to determine whether the installation complies with the ordinances of the city with respect thereto, and within three days shall make a decision in accordance with its findings. The owner occupant and all persons interested shall have opportunity to appear before the commission in support or in opposition to the petition, and submit evidence.

(Code 1982, § 153.97; Ord. No. 531G, § 1, 12-16-02)

#### Sec. 22-72. - Liability.

This article shall not be construed to relieve from or lessen the responsibility or liability of any party owning, operating or controlling any electrical material, for damages to persons or property caused by any defect therein, nor shall the be held as assuming any such liability by reason of the inspection authorized herein.

(Code 1982, § 153.98; Ord. No. 531G, § 1, 12-16-02)

#### Sec. 22-73. - Wiring only by registered electricians.

Only electricians registered in accordance with the provisions of this article shall be allowed to install electrical wiring or equipment or to make alterations or additions to present electrical installations or equipment. Nothing contained in this article shall prohibit the issuing of a permit to a property owner making his own installations or alterations. Wiring shall only be done on single-family residence to be occupied by the owner.

Property owners making their own installations or alterations shall, when securing permits, sign a notarized statement of ownership that also states that the owner will be personally making the installations or alterations. Property owners making their own installations must live in the residence for 12 consecutive months prior to securing a permit to another new home.

(Code 1982, § 153.30; Ord. No. 531G, § 1, 12-16-02)

Sec. 22-74. - Penalty.

Whoever violates any provision of this article shall be subject to punishment as provided in section 1-9. A separate offense shall be deemed committed on each day that a violation occurs or continues.

(Code 1982, § 153.99; Ord. No. 531G, § 1, 12-16-02)

Secs. 22-75—22-95. - Reserved.

DIVISION 2. - ADMINISTRATION<sup>(3)</sup>

Footnotes:

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Cross reference—Administration, ch. 2.

Subdivision I. - In General

Sec. 22-96. - Inspector.

There is created the office of electrical inspector. The person chosen to fill the office of electrical inspector shall be a competent individual of good moral character, who shall be well versed in approved methods of electrical construction for safety to life and property, the statutes of the state relating to electrical work, the rules and regulations issued by the state fire marshal under authority statutes, the National Electrical Code/1993, and other installation and safety rules and standards approved by the American Engineering Standards Committee.

(Code 1982, § 153.03; Ord. No. 531G, § 1, 12-16-02)

Sec. 22-97. - Appointment.

The electrical inspector shall be appointed for one year by the mayor by and with the advice and consent of the city council. It shall be unlawful for the electrical inspector except in performance for his official duties hereunder to engage in the business of the installation, alteration, maintenance or sale of

electrical wiring, electrical devices, or electrical material either directly or indirectly and he shall have no financial interest in any concern engaged in such business in this city at any time while holding the office of electrical inspector.

(Code 1982, § 153.04; Ord. No. 531G, § 1, 12-16-02)

Sec. 22-98. - Powers.

The electrical inspector shall have the right during reasonable hours to enter any building in the discharge of his official duties, or for the purpose of making any inspection or test of the installation or alteration of electrical equipment contain therein, and shall have the authority to cause the turning off of all electrical currents to cut or disconnect any wire where such electrical currents are dangerous to life or property or may interfere with the work of the fire department.

(Code 1982, § 153.05; Ord. No. 531G, § 1, 12-16-02)

Secs. 22-99—22-120. - Reserved.

Subdivision II. - Electrical Inspection Division

Sec. 22-121. - Establishment of division.

There is established an electrical inspection division of the building department of the city for the regulation of the installation, alteration and use of all electrical equipment, as herein provided. The electrical inspection division shall consist of the chief electrical inspector of the city and such other employees as may from time to time be provided by the director of buildings. The electrical inspection division shall be charged with the duty of enforcing the provisions of the rules and regulations regulating to the installation, alteration and use of electrical equipment, as provided for by ordinance, and shall function under the immediate supervision and control of the director of buildings.

(Code 1982, § 153.01; Ord. No. 531G, § 1, 12-16-02; Ord. No. 461G, § 2, 1-7-02)

Sec. 22-122. - Records.

The electrical inspection division shall keep complete records of all permits issued and inspections made and other official work performed under the provisions of this article.

(Code 1982, § 153.12; Ord. No. 531G, § 1, 12-16-02; Ord. No. 461G, § 3, 1-7-02)

Sec. 22-123. - Reports.

The electrical inspection division shall make a yearly report to the city council as of April 30 at the second regular council meeting in May of each year.

(Code 1982, § 153.13; Ord. No. 531G, § 1, 12-16-02; Ord. No. 461G, § 3, 1-7-02)

Secs. 22-124—22-145. - Reserved.



Subdivision III. - Electrical Commission

Sec. 22-146. - Commission established.

There is established an electrical commission which shall consist of six members, as follows: the electrical inspector shall be a member and ex officio chairman of such commission; of the other five members, one shall be a registered professional engineer, one an electrical contractor, one a journeyman electrician, one a representative of the inspection bureau maintained by the Fire Underwriters (or, if no such representative resides in the city, the chief of the fire department), and one a representative of an electrical supply company. Such members shall be appointed by the mayor by and with the advice and consent of the city council on a rotation term basis not longer than three years. The electrical inspector shall serve on the commission without additional compensation therefore. The commission shall hold regular meetings quarterly on the second Tuesday of the month at 7:00 p.m.

(Code 1982, § 153.06; Ord. No. 531G, § 1, 12-16-02)

Sec. 22-147. - Duties of electrical commission.

The electrical commission shall from time to time recommend safe and practical standards and specifications for the installation, alteration and use of electrical equipment designed to meet the necessities and conditions that prevail in the city, shall recommend reasonable rules and regulations governing the issuance of permits by the electrical department, and shall recommend reasonable fees to be paid for the inspection by such inspection department of all electrical equipment installed or altered within this city. Such standards and specifications, such rules and regulations, and such fees shall not become effective until adopted by ordinance by the city council. All such fees shall be paid to the city. The standards and specifications, rules and regulations, and fees hereinafter provided by this article shall govern until further recommendations in respect thereto shall have been made by the commission and adopted by ordinance.

(Code 1982, § 153.07; Ord. No. 531G, § 1, 12-16-02)

Secs. 22-148—22-170. - Reserved.

Subdivision IV. - Inspection

Sec. 22-171. - Certificate of inspection.

- (a) Required. On the completion of the installation or alteration of electrical equipment in any building, it shall be the duty of the person installing or altering the same to notify the electrical inspector, who shall inspect or cause the work to be inspected within 48 hours after such notice is given; and if such electrical equipment is found to be fully in compliance with this article and does not constitute a hazard to life or property, he shall issue to such person for the delivery to the owner a certificate of inspection, authorizing connection to the electrical service, and the turning on of the current. All wires hidden from view shall be inspected before concealment, and the electrical contractor or electrician or property owner specified in section 22-73 shall notify the electrical inspector, giving him at least two working days in which to make the required inspection before such wires are concealed.
- (b) Exception. Service switch and service entrance revisions only may be completed before inspection in order to facilitate coordination of the supply of electricity for persons doing the work in the interest of

continuity of residents using electricity. Regulation for permits in section 22-196 are not affected by this exception.

(Code 1982, § 153.09; Ord. No. 977F, § 2, 7-17-95; Ord. No. 531G, § 1, 12-16-02)

Sec. 22-172. - Prima facie proper installation.

No certificate of inspection shall be issued unless the electrical equipment is in strict conformity with the provisions of the ordinances of this city and the statutes of the state. Compliance with the regulations is laid down from time to time in the National Electrical Code, as approved by the American National Standards Institute, unless in conflict with such ordinances or statutes, shall be prima facie evidence of proper installation or alteration.

(Code 1982, § 153.10; Ord. No. 531G, § 1, 12-16-02)

Sec. 22-173. - Subsequent inspections.

The provisions for the inspection of work authorized by the permits issued in accordance with division 3 of this article shall not be construed as prohibiting the inspection of any electrical equipment now or hereafter installed whenever the electrical inspector shall determine that the public safety requires it. No inspection fee shall be charged for such extra or additional inspection; but in case it becomes necessary to replace such electrical equipment on account of defects disclosed by such inspection, a permit therefore shall be obtained in accordance with the provisions of this chapter.

(Code 1982, § 153.11; Ord. No. 531G, § 1, 12-16-02)

Secs. 22-174—22-195. - Reserved.

### DIVISION 3. - PERMITS

Sec. 22-196. - Permits.

No electrical equipment shall be installed or altered except on a permit first issued by the electrical inspection division. The electrical inspection division shall first inspect all such electrical equipment installed or altered in this city, and shall require that it conform to all applicable statutes and ordinances relating to electricity.

(Code 1982, § 153.08; Ord. No. 531G, § 1, 12-16-02; Ord. No. 461G, § 3, 1-7-02)

Sec. 22-197. - Application for permit.

Prior to the beginning of electrical installation, application must be made to the building inspector for a permit. The building inspector may, in any case, require the application to be accompanied by drawings and specifications of the proposed installation and equipment to a reasonable detail. Every electrical contractor must show proof of registration and certificate of insurance.

(Code 1982, § 153.31; Ord. No. 531G, § 1, 12-16-02)

Sec. 22-198. - Fees.

The building inspector shall charge and collect from the person doing any electrical work under the terms of this chapter, the following fees:

- (1) Permit fees. For issuing a permit for any electrical installation in or on any building, see section 22-33(2)a.
- (2) Residential inspection fees.
  - a. New single-family house up to 1,000 square feet or less including garage .....\$70.00
  - b. Each additional 500 square feet or less .....4.00
  - c. Existing single-family house:
    - Additions or remodeling up to 500 square feet or less .....20.00
    - Each additional 500 square feet or less .....3.00
  - d. In-ground pool fee .....30.00  
Aboveground pool fee .....30.00
  - e. New or existing single-family residence alarm system, smoke detector, cable system, satellite dish system fee .....20.00
  - f. Residential incidental unit (not covered above):
    - Air conditioners, water heaters, ranges, dishwashers, disposals, furnaces, motors, heat cables, exhaust fans, clothes dryers, electric heat and light units, and all other similar equipment, each .....5.00
    - Minimum fee per permit .....25.00
  - g. New or existing single-family residence service fee up to 100 amps .....25.00
    - 101 to 200 amps .....30.00
    - 201 to 400 amps .....35.00
    - Above 400 amps, use commercial rate.
  - h. Any temporary service .....15.00
  - i. Second meter on single-family residence .....5.00
  - j. Single-family residence meter reconnect inspection fee .....30.00
- (3) New multifamily residences or apartments.
  - a. First apartment .....40.00
  - b. Each additional apartment .....30.00
  - c. Inground pool fee .....30.00
  - d. Aboveground pool fee .....30.00
  - e. Alarm system, smoke detectors, cable systems, satellite dish, emergency light fee .....40.00
  - f. Garage and storage unit fee (per unit) .....15.00
  - g. New multifamily residences or apartments incidental unit (not covered above):
    - Air conditioners, water heaters, ranges, dishwashers, disposals, furnaces, motors, heat cables, exhaust fans, clothes dryers, electric heat and light units, and all other similar equipment, each .....8.00

- Minimum fee per permit .....24.00
- h. New multifamily residences or apartments service fee:
  - Per meter .....10.00
  - Service per amp.
    - 100 amp .....35.00
    - 200 amp .....40.00
    - 201 to 400 amp .....55.00
    - 401 to 800 amp .....60.00
    - 801 to 1,200 amp .....75.00
    - Above 1,200 amp .....80.00
- i. Existing multifamily residences or apartments, additional or remodel first apartment .....30.00
- j. Each additional apartment .....20.00
- k. Additions or remodel existing garage or store unit fee (per unit) .....10.00
- l. Existing multifamily residence or apartments:
  - (1) service revision fee per meter fee .....10.00
  - (2) Rewire first apartment .....20.00
  - (3) Each additional apartment .....10.00
  - (4) Service fees by amperage:
    - 100 amp .....35.00
    - 200 amp .....40.00
    - 201 to 400 amp .....55.00
    - 401 to 800 amp .....60.00
    - 801 to 1,200 amp .....75.00
    - Above 1,200 amp .....80.00
- m. New or existing multifamily residences or apartment emergency inspection fee (example occupancy inspection, alarm, smoke detector, emergency light, fire inspection, service reconnection) .....40.00
- (4) New or existing mobile home inspection fee.
  - a. Move to new location hookup fee .....30.00
  - b. Additions or remodeling up to 500 square feet or less .....30.00
  - c. Each additional 500 square feet or less .....30.00
  - d. New or existing garage and storage additions or remodel fee .....25.00
  - e. New or existing mobile home alarm system, smoke detectors, cable system, satellite dish system fee .....30.00

- f. Mobile home incidental unit (not covered above):  
 Air conditioners, water heaters, ranges, dishwashers, disposals, furnaces, motors, heat cables, exhaust fans, clothes dryers, electrical heat and light units, and all other similar equipment, each .....10.00  
  
 Minimum fee per permit .....25.00
- g. New or existing mobile home service fee, per meter .....10.00  
 Service per amp:
  - Up to 100 amp .....35.00
  - 200 amp .....40.00
  - 201 to 400 amp .....55.00
  - 401 to 800 amp .....60.00
  - 801 to 1,200 amp .....75.00
  - Above 1,200 amp .....80.00
- h. Meter reconnect inspection fee .....40.00
- i. Pool, aboveground or in-ground fee .....30.00
- (5) Commercial and industrial fees.
  - a. New construction, additions and accessory buildings, first 1,000 square feet .....65.00
  - b. Each additional 100 square feet or less .....6.00
  - c. Each furnace or boiler or air conditioning .....25.00
  - d. Control wiring and panel for each elevator .....25.00
  - e. Each sign .....25.00
  - f. Commercial and industrial service fees:  
 Per meter fee .....10.00  
  
 Service per amp:
    - 100 amp .....35.00
    - 200 amp .....40.00
    - 201 to 400 amp .....55.00
    - 401 to 800 amp .....60.00
    - 801 to 1,200 amp .....75.00
    - Above 1,200 amp .....80.00
  - g. Service reconnect inspection fee .....45.00
  - h. New or existing additions or remodel, alarm system, smoke detectors, emergency lights, fire inspection, occupancy inspection fee  
 per unit .....5.00

Minimum fee .....50.00

- i. Commercial and industrial existing additions or remodel fee per estimated value.
- (6) Beginning work without permit. It shall be unlawful for any work to be started on a project before the permit is issued. If a permit is issued after work is started, an additional 100 percent of the required fees shall be added to the cost of the permit. Permits are valid for one year.
- (7) Miscellaneous fees. Special inspection fee for FHA, HUD, FMHA inspection .....75.00

FEE CHART PER ESTIMATED VALUE OF WORK:

\$25.00 per \$1,000.00 of estimated value:

\$ 1.00—\$1,000.00 .....25.00

1,001.00—2,000.00 .....50.00

2,001.00—3,000.00 .....75.00

3,001.00—4,000.00 .....100.00

4,001.00—5,000.00 .....125.00

5,001.00—6,000.00 .....150.00

6,001.00—7,000.00 .....175.00

7,001.00—8,000.00 .....200.00

8,001.00—9,000.00 .....225.00

9,001.00—10,000.00 .....250.00

\$15.00 per \$1,000.00 of estimated value:

\$10,001.00—\$11,000.00 .....265.00

11,001.00—12,000.00 .....280.00

12,001.00—13,000.00 .....295.00

13,001.00—14,000.00 .....310.00

14,001.00—15,000.00 .....325.00

15,001.00—16,000.00 .....340.00

16,001.00—17,000.00 .....355.00

17,001.00—18,000.00 .....370.00

18,001.00—19,000.00 .....385.00

19,001.00—20,000.00 .....400.00

\$10.00 per \$1,000.00 of estimated value:

\$20,001.00—\$21,000.00 .....410.00

21,001.00—22,000.00 .....420.00  
22,001.00—23,000.00 .....430.00  
23,001.00—24,000.00 .....440.00  
24,001.00—25,000.00 .....450.00  
25,001.00—26,000.00 .....460.00  
26,001.00—27,000.00 .....470.00  
27,001.00—28,000.00 .....480.00  
28,001.00—29,000.00 .....490.00  
29,001.00—30,000.00 .....500.00  
30,001.00—31,000.00 .....510.00  
31,001.00—32,000.00 .....520.00  
32,001.00—33,000.00 .....530.00  
33,001.00—34,000.00 .....540.00  
34,001.00—35,000.00 .....550.00  
35,001.00—36,000.00 .....560.00  
36,001.00—37,000.00 .....570.00  
37,001.00—38,000.00 .....580.00  
38,001.00—39,000.00 .....590.00  
39,001.00—40,000.00 .....600.00  
40,001.00—41,000.00 .....610.00  
41,001.00—42,000.00 .....620.00  
42,001.00—43,000.00 .....630.00  
43,001.00—44,000.00 .....640.00  
44,001.00—45,000.00 .....650.00  
45,001.00—46,000.00 .....660.00  
46,001.00—47,000.00 .....670.00  
47,001.00—48,000.00 .....680.00  
48,001.00—49,000.00 .....690.00  
49,001.00—50,000.00 .....700.00

\$8.00 per \$1,000.00 of estimated value:

\$50,001.00—\$51,000.00 .....708.00  
51,001.00—52,000.00 .....716.00  
52,001.00—53,000.00 .....724.00  
53,001.00—54,000.00 .....732.00  
54,001.00—55,000.00 .....740.00  
55,001.00—56,000.00 .....748.00  
56,001.00—57,000.00 .....756.00  
57,001.00—58,000.00 .....764.00  
58,001.00—59,000.00 .....772.00  
59,001.00—60,000.00 .....780.00  
60,001.00—61,000.00 .....788.00  
61,001.00—62,000.00 .....796.00  
62,001.00—63,000.00 .....804.00  
63,001.00—64,000.00 .....812.00  
64,001.00—65,000.00 .....820.00  
65,001.00—66,000.00 .....828.00  
66,001.00—67,000.00 .....836.00  
67,001.00—68,000.00 .....844.00  
68,001.00—69,000.00 .....852.00  
69,001.00—70,000.00 .....860.00  
70,001.00—71,000.00 .....868.00  
71,001.00—72,000.00 .....876.00  
72,001.00—73,000.00 .....884.00  
73,001.00—74,000.00 .....892.00  
74,001.00—75,000.00 .....900.00  
75,001.00—76,000.00 .....908.00  
76,001.00—77,000.00 .....916.00  
77,001.00—78,000.00 .....924.00  
78,001.00—79,000.00 .....932.00  
79,001.00—80,000.00 .....940.00



80,001.00—81,000.00	.....948.00
81,001.00—82,000.00	.....956.00
82,001.00—83,000.00	.....964.00
83,001.00—84,000.00	.....972.00
84,001.00—85,000.00	.....980.00
85,001.00—86,000.00	.....988.00
86,001.00—87,000.00	.....996.00
87,001.00—88,000.00	.....1004.00
88,001.00—89,000.00	.....1012.00
89,001.00—90,000.00	.....1020.00
90,001.00—91,000.00	.....1028.00
91,001.00—92,000.00	.....1036.00
92,001.00—93,000.00	.....1044.00
93,001.00—94,000.00	.....1052.00
94,001.00—95,000.00	.....1060.00
95,001.00—96,000.00	.....1068.00
96,001.00—97,000.00	.....1076.00
97,001.00—98,000.00	.....1084.00
98,001.00—99,000.00	.....1092.00
99,001.00—100,000.00	.....1100.00

\$5.00 per \$1,000.00 of estimated value from \$100,001.00 and above.

- (8) Penalty. Violation of this section for performing work without a proper permit or the requisite licenses shall be fined not less than \$50.00 but not more than the maximum as provided in section 1-9 for each offense. A separate offense shall be deemed committed on each day that a violation occurs or continues.

(Code 1982, § 153.32; Ord. No. 948F, § 1, 3-6-95; Ord. No. 970G, § 4, 7-7-08)

Sec. 22-199. - Emergency wiring.

In an emergency when the exigencies of the situation demand immediate action, and the obtaining of a permit prior to the installing or alteration of any electrical installation or equipment is impossible, then and in that event any registered electrical contractor may start such installation or repair work without first obtaining such permit; however, the electrical contractor shall make application for and obtain such permit as soon as possible.

(Code 1982, § 153.33)

Sec. 22-200. - Temporary wiring.

Any electrical contractor applying for a permit for installation of temporary wiring shall specify the time such wiring is to remain in service and such permit shall become null and void at the expiration of such time. The electrical supply company furnishing current for such wiring shall be notified of the time of expiration of such permit and unless the same be renewed shall discontinue the furnishing of electric current to such wiring within five days after the time limited in such permit.

(Code 1982, § 153.34)

Secs. 22-201—22-220. - Reserved.

DIVISION 4. - ELECTRICAL CONTRACTORS

Subdivision I. - In General

Secs. 22-221—22-240. - Reserved.

~~Subdivision II. — Registration~~<sup>[4]</sup>

Footnotes:

~~(4)~~

~~State Law reference — Authority to require registration, 65 ILCS 5/11-33-4.~~

Sec. 22-241. - Application for registration.

- (a) Any person desiring to engage in the business of electrical contractor in the city shall apply for registration to the electrical inspector and pay the fee of \$25.00 for registration ~~as required by the state statutes~~. Electrical contractors must supply the electrical department with a certificate of insurance (original) made out to the city as holder. The application shall be on forms supplied by the Building Department and shall include evidence of the applicants training, education and / or competence as a professional electrician.
- (b) The applicants must also furnish the electrical Building Department with a copy of their electrical contractor's license and if the applicant is from another county under reciprocity agreement with the city, the applicant must furnish a licensed electrician's card. Applicants registered with another municipality must furnish a copy of such registration.
- (c) The requirements of this section are waived for an individual providing a copy of an electrician's license or certificate issued by another Illinois jurisdiction.

(Code 1982, § 153.20)

~~Sec. 22-242. - Examination.~~

- ~~(a) The electrical inspector shall at once file the application required by section 22-241 with the electrical commission, and the electrical commission shall at once proceed to examine the applicant. Examinations shall be given four times a year: December, March, June and September. The date, time and place shall be set by the electrical inspector.~~
- ~~(b) The applicant shall provide the commission with proof of four years of practical field experience in the electrical construction industry. Applicants must pay a nonrefundable examination fee of \$25.00 prior to taking the examination. Applicants must receive a grade of 76 percent or above and may only take the examination twice in one year.~~
- ~~(c) The electrical commission shall notify such applicant of the time and place of such examination and shall examine such applicant as to his or its qualifications and competency to engage in the business of electrical contractor. The examination shall be practical in character and sufficiently strict to test the practical and theoretical qualifications of such applicant. If such examination be satisfactory and the applicant be otherwise approved as to character and integrity, such facts shall be endorsed on the application and the same returned to the electrical inspector. The fee for examinations shall be \$25.00. Each applicant shall show proof of minimum five years in the construction trade or certificate of a four-year apprenticeship.~~

(Code 1982, § 153.21)

Sec. 22-243. - Certificate of registration.

The electrical inspector shall register the applicant as an electrical contractor and shall issue to such applicant a certificate of registration authorizing such applicant to engage in such business for a period from date of issuance of such certificate of registration to and including April 30 of the year in which such certificate is issued. However, such certificate of registration may be renewed from year to year without examination on application for such renewal being filed with the electrical inspector on or before May 1 of the year for which certificate has been issued. Such certificate of registration shall not be transferable and shall cover only such work as may be installed by the holder thereof. The electrical inspector shall keep a suitable record of such registrations. All persons obtaining new certificates of inspection hereunder between May 1 and April 30 of following year shall pay such fractional part of the annual registration fee now provided by ordinance as the number of full months in the calendar year remaining bears to the total number of months in the year, and such certificate shall expire on April 30 of the subsequent year of issuance as above provided. All renewal permits hereafter issued shall be issued for one year to begin on May 1 and expire on April 30 of the year following the year in which application for renewal must be made.

(Code 1982, § 153.22)

Sec. 22-244. - Revocation of certificate of registration.

Certificates of registration may be revoked at any time by the electrical commission if the holder thereof violates any ordinance of the city to the installation of electrical wiring, material or equipment, or is responsible for any electrical installation that is a hazard to life and property. The revocation shall extend for a period of at least 30 days and thereafter the same may be set aside and the certificate of registration reinstated on application made for that purpose, to the electrical commission, at the discretion of the commission.

(Code 1982, § 153.23)

Secs. 22-245—22-275. - Reserved.

## ARTICLE IV. - PLUMBING<sup>(5)</sup>

Footnotes:

--- (5) ---

Cross reference— Building code, § 22-31 et seq.

### DIVISION 1. - GENERALLY

#### Sec. 22-276. - Sewer services outside city limits.

- (a) No connection to the city sanitary sewer mains shall be made outside the corporate limits of the city unless the applicant for such connection to the city sewer mains shall agree that all sewer services, plumbing, waste, vent, drain piping, plumbing fixtures, appurtenances, and appliances shall be installed or remodeled according to and in strict compliance with all provisions of the plumbing code.
- (b) All sewer services, plumbing, waste, vent, drain piping, plumbing fixtures, appurtenances and appliances shall be inspected by the plumbing inspector.
- (c) The same inspection fees shall be paid by the applicant, or his agent, as prevail within the city limits.
- (d) The applicant for such sewer service shall, on making application for any sewer service, sign an agreement with the city binding him to comply with all provisions of this agreement and shall immediately forward the original agreement to the plumbing inspector's office.

(Code 1982, § 154.30)

#### Sec. 22-277. - Supervision and installation of sewers.

The supervision and installation of all sewers within the premises shall be by regularly licensed plumbers.

(Code 1982, § 154.31)

#### Sec. 22-278. - Vent piping.

No wrought iron or steel, soil, waste or vent piping shall be installed below the top of the ground floor line or be buried under any earth.

(Code 1982, § 154.32)

#### Sec. 22-279. - Building drain cleanout fitting.

- (a) Adjacent to the foundation wall where the building drain enters the structure a Y and cleanout, full size of main drain, except no such cleanout need be larger than six inches shall be installed and this opening shall be extended so that the top of the cleanout will be above the floor line.
- (b) In buildings constructed without basements adjacent to the foundation wall where the main drain enters the building cleanouts required in subsection (a) above may be installed outside of the

building and when so installed shall be extended up to and/or above grade line as local conditions may indicate consistent with public safety. However, in no instance shall this cleanout be omitted.

(Code 1982, § 154.33)

Sec. 22-280. - Damage to drainage system.

It shall be unlawful for any person to deposit, by any means whatsoever, into any plumbing fixture, floor drain, sand trap, sump, receptacle, or device, which is connected to any drainage system, private sewer, septic tank, or seepage pit, any unground garbage, fruit or vegetable parings, ashes, cinders, solids, rags, flammable, poisonous, or explosive liquids or gases, oils, grease, or any other thing whatsoever, which would or could cause damage to the drainage system.

(Code 1982, § 154.36)

Sec. 22-281. - Excavations.

All excavations necessary for the installation of a drainage system or any part thereof within the walls of a building shall be open trench work.

(Code 1982, § 154.43)

Sec. 22-282. - Water supply service.

All service pipe from the city curb stop to a private or non city owned facility or system shall meet all standards and regulations of the state plumbing code, be inspected and accepted by the city plumbing inspector, be a minimum of 5 ½ feet below finished grade and shall not be less than ¾ inch in diameter.

(Code 1982, § 154.44; Ord. No. 899G, § 1, 7-16-07)

Sec. 22-283. - Water meters.

The department of public works shall seal all water meters connected to any service and in no case shall anyone interfere with or remove or replace any water meter connected to any service except the department of public works. Initial cost of all meters shall be borne by the property owner.

(Code 1982, § 154.45)

Sec. 22-284. - Meter boxes.

When conditions or circumstances seem to make the installation of water meters as specified in sections 114-206 through 114-210 unreasonable, then the meter may be installed in a different manner or location by obtaining special permission of the director of public works.

(Code 1982, § 154.47)

Sec. 22-285. - Cutoffs.

There shall be a valve placed on every lead from the house service at the base of the riser, so the water leading to any section of rooms or apartments of the same block or building may be readily cut off;

and in no case shall any plumber interfere with or use the stop cocks placed by the city near the property line, excepting to repair leaks in service or the main stop. In no case shall the water be turned on until meter stop is in perfect working order.

(Code 1982, § 154.48)

Sec. 22-286. - Water services outside city limits.

No connection to the water main shall be made outside the city unless the applicant for such connection to the water mains shall agree that all house services, connections, plumbing fixtures, appurtenances, and appliances shall be installed according to and in strict compliance with the city plumbing code, and the house services, connections, plumbing fixtures, appurtenances, and appliances shall be inspected by the city plumbing inspector at the usual fees to be paid by the applicant and further that the director of public works shall not permit the water to be turned on until such time as the provisions of this section shall be or are complied with.

(Code 1982, § 154.49)

Sec. 22-287. - Rainwater leaders inside building to be tested.

Rainwater leaders when inside of building shall be tested the same as other plumbing. All connections of stormwater, yard area, rainwater leaders, subsoil, drains, or cistern overflow pipes shall be inspected and approved by the plumbing inspector.

(Code 1982, § 154.50)

Sec. 22-288. - Penalty.

In addition to any other penalty, fine or enforcement mechanism, whoever violates, neglects or refuses to comply with or resists or opposes the enforcement of any of the provisions of this article, when no other penalty is provided, shall be subject to punishment as provided in section 1-9; and every such person shall be deemed guilty of a separate offense for every day on which any violation, neglect, or refusal shall continue; and any person who shall construct or install any plumbing work in violation of any of the provisions of the adopted plumbing code and any owner, agent, builder, contractor or architect designing or drawing plans for or having charge of any plumbing work or who shall permit to be constructed or installed shall be liable to the penalties provided and imposed in this section. The City may also seek and a Court may issue injunctive relief.

(Code 1982, § 154.99)

Secs. 22-289—22-310. - Reserved.

DIVISION 2. - ADMINISTRATION<sup>[6]</sup>

Footnotes:

--- (6) ---

Cross reference— Administration, ch. 2.

Subdivision I. - In General

Sec. 22-311. - Permits.

It shall be unlawful for any person, whether acting as principal, servant, agent or employee, to do or cause or permit to be done any plumbing or drainage work for which a permit is required within the city without first securing such a permit from the building inspector authorizing him so to do.

(Code 1982, § 154.19)

Sec. 22-312. - Repairs.

Repairs to plumbing and drainage systems shall be made with such materials and by such methods as is provided for by this article for a new work, insofar as it is practical so to do. No permit shall be required for the cleaning of stoppages, or the repairing of leaks in pipes, valves or fixtures when such repairs do not involve or require the replacement or rearrangement of pipes or fixtures.

(Code 1982, § 154.20)

Sec. 22-313. - When permit is required.

A permit shall be required when any plumbing, plumbing fixture, appliance, appurtenances, waste discharging device, waste pipe, special waste pipe, soil pipe, vent pipe, building drain, building sewer, rainwater leader or system, or water distribution system is installed, altered, replaced or removed.

(Code 1982, § 154.21)

Sec. 22-314. - Unlawful approval.

- (a) The issuance or granting of a permit or the approval of plans or specifications shall not be deemed or construed to be a permit for, or approval of, any violation of the provisions of this article. No permit purporting to give authority to violate or cancel the provisions of this article shall be valid.
- (b) The issuance of a permit on plans and specifications shall not prevent the plumbing inspector from thereafter requiring the correction of errors in those plans or specifications, or from preventing plumbing or drainage work being carried on thereunder, when in violation of this article, or of any other ordinance of the city or of any law of the state pertaining to plumbing or plumbers applicable in the city.

(Code 1982, § 154.22)

Sec. 22-315. - Permit and inspection fees.

The building inspector's office shall issue all permits and collect the following fees:

- (1) Plumbing inspections:

\$65.00 for each inspection plus an additional \$10.00 per opening and fixture after the first 30 fixtures and openings combined.

(A fixture or opening is defined as but not limited to, bath fixture, sink, water heater, laundry trays, floor drain, sump pump, interior roof drain, storm sewer, or any appliance which is connected to a private or public plumbing system).

- (2) If, by reason of noncompliance with this article or through the use of defective materials a subsequent inspection becomes necessary, the person doing the plumbing within the premises first inspected shall notify the plumbing inspector that changes have been made and that the same is ready for reinspection.
- (3) Fire suppression sprinklers:  
For the first 1,000 square feet or part thereof .....75.00  
For each additional 500 square feet or part thereof .....10.00
- (4) For installations of water and/or sewer services .....50.00
- (5) The minimum inspection fee not otherwise specified .....40.00

(Code 1982, § 154.23; Ord. No. 947F, § 1, 3-6-95; Ord. No. 218G, § 1, 5-18-98; Ord. No. 548, § 2, 2-17-03; Ord. No. 970G, § 3, 7-7-08; Ord. No. 139H, § 1, 12-19-11)

Secs. 22-316—22-335. - Reserved.

Subdivision II. - Inspector

Sec. 22-336. - Plumbing inspector.

There is established a plumbing inspection division for the regulation of the installation, alteration, and use of plumbing, as provided herein. The plumbing inspection division shall consist of the chief plumbing inspector and such other employees as may be provided by the director of buildings. The plumbing inspection division shall be charged with the duty of enforcing the provisions of the rules and regulations relating to the installation, alteration, and use of plumbing, as provided for by ordinance and shall function under the immediate supervision and control of the director of buildings.

(Code 1982, § 154.16; Ord. No. 461G, § 4, 1-7-02)

Sec. 22-337. - Duties of plumbing inspector.

- (a) It shall be the duty of the plumbing inspector to sign and issue all notices and inspection certificates required, to pass on all plans submitted, to keep or cause to be kept daily record of his work, including all notices and applications received, violation of these regulations, and all other matters which may pertain thereto. He shall inspect all buildings in the course of erection or undergoing alterations, as often as may be necessary and shall see that the construction and reconstruction of the plumbing, drainage and plumbing ventilation shall conform with the rules and regulations established by this article. He shall also, in addition to his other duties, ascertain whether the plumber having charge of the construction, repair or alteration of any plumbing work performed or about to be performed, and such person performing such work in the city, has a certificate granting him such right as provided for in the state statutes. If any such person has no certificate or right to do the work, the inspector shall forthwith proceed to prosecute any violations. He may in the performance of his duties enter any building or premises in the city.



- (b) It shall be the duty of the plumbing inspector to prefer charges with the department of registration and education of the state for the revocation of a certificate of license of any plumber or a certificate of registration of any plumber's apprentice for any willful violation of this article, or of any law of the state regulating the conduct or installation of plumbing work.
- (c) He shall condemn and reject all work done, or being done, or materials used, or being used, which do not in all respects conform to the provisions of this article and amendments thereto, and shall order such changes in workmanship or materials as will make the same conform thereto.
- (d) Whenever the plumbing inspector shall find any building, premises or part thereof in or on which there is being maintained a plumbing or drainage system or part thereof in a defective, leaking or unsanitary condition, or in which plumbing or drainage work is being or has been installed in violation of this article, it shall be his duty to notify in writing the owner, agent or person responsible for the premises in which such condition exists, or in which such work is being or has been installed, to correct such condition, or to remove or cause to be reinstalled such work as has been installed in violation of this article. Such notice shall specify a reasonable time in which such conditions shall be corrected, or in which such work shall be removed or reinstalled, as the case may be.
- (e) Should any person served by such notice fail or refuse to comply with the orders contained therein within the time specified, or fail to commence in good faith to comply with such orders, the plumbing inspector shall notify the city attorney of such fact. The notification shall be in writing, accompanied by a copy of the notice and such other information as the city attorney may require or direct.
- (f) On receipt of notification from the plumbing inspector to the effect that notice has been served by him, which notice contained orders requiring the correction of leaking, defective or unsanitary conditions in connection with a plumbing and drainage system, or the removal, repair, installation or reinstallation of work in connection with a plumbing and drainage system, which is being or has been installed in a manner contrary to the provisions of this article and the person named in such notice as being responsible therefor having failed, refused or failed to commence in good faith to comply with the orders contained in such notice within the time specified, it shall be the duty of the city attorney or other officer charged with such duty to cause compliance with such orders by that person, in accordance with and in the manner provided for by law.

(Code 1982, § 154.17)

Sec. 22-338. - Right of entry.

The plumbing inspector shall wear an official badge of office, and on exhibition thereof shall have the right of entry in and on all buildings and premises in the city for the purpose of making inspections, reinspections or otherwise performing such duties as may be necessary in the enforcement of the provisions of this article and amendments thereto.

(Code 1982, § 154.18)

Sec. 22-339. - Plumbing inspector's salary.

The salary of the plumbing inspector shall be determined by the city council.

(Code 1982, § 154.24)

Secs. 22-340—22-360. - Reserved.

Subdivision III. - Plumbing Board of Appeals

Sec. 22-361. - Created.

There is created a plumbing board of appeals, which shall consist of the health commissioner who shall be chairman of the board, a second member who shall be a licensed employing plumber, and a third member who shall be regularly employed in the work or business of plumbing. The second and third members of the board shall be appointed by the mayor and with the consent of the city council at the first regular meeting of the city council in the month of May; and thereafter the term of office shall be one year. The salary of the board shall be determined annually by the city council.

(Code 1982, § 154.13)

Sec. 22-362. - Appeal to board.

Any person whose application for a plumbing permit, or the use of a new material, or method of construction has been refused by the plumbing inspector, or who may consider that the provisions of this article do not cover the point raised, or that any particular provision would cause a manifest injury to be done, may appeal to the plumbing board of appeals by serving written notice on the plumbing inspector in which it shall be stated that the applicant desires to use the alternate materials or type of construction. Such notice shall at once be transmitted to the board, and the board shall arrange for a hearing on the particular point raised.

(Code 1982, § 154.14)

Sec. 22-363. - Duties of board.

- (a) The plumbing board of appeals shall hear the representation of the complainant, the plumbing inspector, and such other witnesses as shall appear on behalf of the parties to the appeal or the plumbing inspector, and interpret the intent of the provisions of the plumbing code. The concurring vote of at least two members of the board shall be necessary for the reversal of the decision or orders of the plumbing inspector.
- (b) The board shall adopt reasonable rules and regulations for conducting its investigations and shall render all decisions and findings in writing to the plumbing inspector with a duplicate copy to the appellant.

(Code 1982, § 154.15)

Secs. 22-364—22-385. - Reserved.

DIVISION 3. - CODE

~~Sec. 22-386. - Title.~~

~~The adopted plumbing code shall mean all provisions of sections 22-387 through 22-390, including all modifications of and exclusions from adoption by reference of the state plumbing code of 1976.~~

(Code 1982, § 154.02)

Sec. 22-387. - Adoption by reference.

- (a) ~~State plumbing code of 1993 means the plumbing code so entitled and published in pamphlet form and promulgated by the state department of public health, including all rules, regulations, principles and illustrations contained therein.~~

The 2014 Illinois Plumbing Code (State of Illinois Plumbing License Law, Plumbers Licensing Code and Plumbing Code) ("Plumbing Code") is hereby adopted by reference subject to the modifications set forth in this Chapter. No plumbing work, unless modified by this Chapter, shall be undertaken prior to the issuance of a permit by the Building Department. The application for a permit shall be made on forms provided by the Building Department and shall be accompanied by the prescribed permit fees as set forth in this Chapter.

- (b) Except as specifically excluded or modified herein, the state plumbing code of 1993 is adopted by reference as an ordinance of the city as if fully set forth verbatim herein.
- (c) ~~The adoption by reference of the state plumbing code of 1993 is subject to the following exclusions and modifications:~~
- (1) ~~Subpart M, dealing with permits, inspections, tests, maintenance, administration and enforcement, are excluded from adoption by reference.~~
  - (2) ~~No penalty contained in the state plumbing code of 1993 is adopted by reference.~~

(Code 1982, § 154.01; Ord. No. 243G, § 1, 9-8-98)

Sec. 22-388. - Interpretation; conflict.

In case any code provision that regulates plumbing and is in effect on the effective date of the ordinance adopting the adopted plumbing code conflicts with any provision of the adopted plumbing code, the terms of the adopted plumbing code shall take precedence and govern.

(Code 1982, § 154.03)

Sec. 22-389. - Clerk to keep copies.

The city clerk shall keep on file in his office at all times no less than three copies of the state plumbing code of 1986. These copies shall be available for public use, inspection and examination during hours when the clerk's office is open for business.

(Code 1982, § 154.04)

Sec. 22-390. - Liability.

The adopted plumbing code shall not be construed as imposing on the city any liability or responsibility for damage resulting from defective plumbing or drainage systems or the installation thereof, nor shall the city or any official or employee thereof be held as assuming any such liability or responsibility by reason of the inspection authorized or undertaken in enforcing that code.

(Code 1982, § 154.05)

Secs. 22-391—22-410. - Reserved.

DIVISION 4. - PLUMBERS

Sec. 22-411. - Compliance.

No person shall engage in the plumbing business in the city or represent themselves as plumbing contractors or plumbers in the business of plumbing or any of its branches unless that person shall have complied with all of the provisions of the state plumbing license law.

(Code 1982, § 154.10)

**State Law reference**— Plumbing license law, 225 ILCS 320/1 et seq.

Sec. 22-412. - Plumber; state license required.

No person shall engage in this city in the business of a plumber or plumber's apprentice or shall enter into contracts or agreements or set himself out as willing to do himself personally or through his employees any work or services in connection with the installation, maintenance or repair of plumbing, or perform any of the acts specified in this article for performance by a plumber unless such person has in effect a certificate of license from the department of registration and education of the state specifying such person as a plumber.

(Code 1982, § 154.11)

Sec. 22-413. - Plumber apprentice; state license required.

No person shall be employed as a plumber's apprentice in this city or enter and continue in the occupation of a plumber's apprentice unless such person has in effect a certificate of registration from the department of registration and education of the state, specifying such person as a registered plumber's apprentice.

(Code 1982, § 154.12)

**State Law reference**— Apprentices, 225 ILCS 320/3.

Secs. 22-414—22-445. - Reserved.

ARTICLE VII. - PROPERTY MAINTENANCE CODE<sup>[1]</sup>

Footnotes:

--- (7) ---

Editor's note—Ord. No. 759G, adopted October 3, 2005, amended the Code by adding a new art. VII, §§ 22-500, 22-510, and 22-520. In order to follow the numbering style established by the Code, the new sections have been renumbered as §§ 22-500—22-502, at the discretion of the editor.

Sec. 22-500. - Adoption.

The International Property Maintenance Code, 2003 2015 Edition, (hereinafter, the Property Maintenance Code or "PMC") as published by the International Code Council, is hereby adopted as the Property Maintenance Code for the City. The adoption of the Property Maintenance Code does not in any way limit or abrogate the regulations or codes adopted in section 22-31 of this Chapter.

(Ord. No. 759G, § 2, 10-3-05)

Sec. 22-501. - Exceptions.

The following portions of the International Property Maintenance Code, 2003, are hereby excluded from adoption:

- (1) Section 103.2;
- (2) Section 302.4;
- (3) Section 302.8;
- (4) Section 304.3;
- (5) Section 404.5;
- (6) Section 404.5.1;
- (7) Section 404.5.2;
- (8) Section 404.6.
- (9) Chapter 7

(Ord. No. 759G, § 2, 10-3-05)

Sec. 22-502. - Insertions and amendments.

The International Property Maintenance Code, 2003, provides that certain insertions be made to the text. The following insertions and amendments are made to the text of the International Property Maintenance Code, 2003, as if fully set forth therein.

- (1) Any reference to the International Zoning Code shall instead be to the City of Belvidere Zoning Code.
- (2) Any reference to the ICC Electrical Code shall be to the City Code.

- (3) Any reference to the International Existing Building Code shall instead be to the City of Belvidere Municipal Code.
- (4) Any reference to the International Plumbing Code shall be to the City Code.
- (5) Sec. 103.1 is modified to read that: "The Building Director shall be the "Code Official."
- (6) Wherever the International Property Maintenance Code calls for the insertion of the name of jurisdiction, insert "the City of Belvidere."
- (7) In Section 103.5 delete "indicated in the ...[Jurisdiction to insert appropriate schedule]" and insert "set forth in Appendix A to the City of Belvidere Municipal Code" in its place.
- (8) In section 106.3 the word "misdemeanor" is changed to "petty offense."
- (9) In section 106.4 after the word "laws" the phrase "and in addition to any equitable relief, shall be fined in accordance with Section 1-9 of the City of Belvidere Municipal Code."
- (10) Add a new section 108.1.6 as follows: "Unsafe structures, equipment and structures unfit for human occupancy are declared a nuisance."
- (11) Add a new section 108.8 as follows: "Nothing in this Code, or the Belvidere Municipal Code, shall limit any power or authority to abate nuisances available under statute or common law."
- (12) The last sentence of section 107.1 is deleted.
- (13) Delete section 110.1 through 110.4. Replace with a new section 110 as follows: "All demolitions of dangerous and unsafe structures shall be pursuant to State statute."
- (14) Section 202, the definition of "bedroom" is amended to read as follows "Any room or space used or intended to be used for sleeping purposes. However, no bathroom, toilet room, closet, hall, space customarily used for cooking or utility space shall constitute a bedroom."
- (15) In section 202, the definition of "public way" shall read as follows "Any public highway, street, alley or similar parcel of land which is deeded, or dedicated to a governmental unit or otherwise appropriated to the public for public use."
- (16) In section 202, the definition of "rubbish" shall be modified to remove "except garbage". After the word "include" insert "but is not limited to."
- (17) Section 306.1 is amended to read as follows: "Every exterior and interior flight of stairs shall comply with the requirements of the City of Belvidere Building Code whether or not that code is specifically applicable (i.e. no active renovation)."
- (18) In section 307.2.2 delete "without first removing the doors."
- (19) In section 602.2, delete "indicated in Appendix D of the International Plumbing Code."
- (20) In section 602.3 delete "during the period from [date] to [date]" and insert "sufficient".
- (21) In section 6.02.4 "during the period from [date] to [date]" and insert "sufficient".
- (22) In section 603.2 insert the phrase "designed and" before the word "labeled".
- (23) Section 111 is amended to read as follows: "The Owner of record, or the beneficial owner in the case of a land trust, may appeal an adverse order of the Code Official or the Department to the City of Belvidere Committee of the Whole for Building and Planning within 20 days of receipt of the adverse decision by the Department/Code Official. Such a request for appeal must be in writing and filed with the City Clerk. The pendency of an appeal shall not prevent the City from enforcing the Property Maintenance Code or the decision of the Department/Code Official, including the initiation of enforcement proceedings in a court of competent jurisdiction. The decision of the Committee of the Whole for Building and Planning shall be final subject to administrative review under the Administrative Review Law."

(Ord. No. 759G, § 2, 10-3-05; Ord. No. 125H, § 1, 10-3-11)

Secs. 22-503—22-799. - Reserved.

ARTICLE III. ~~FIRE PREVENTION CODE~~<sup>[3]</sup>

Footnotes:

~~(3)~~

~~Cross-reference—Building code, § 22-31 et seq.~~

~~State Law reference—Fire prevention, 65-ILCS-5/41-6-1.~~

~~Sec. 46-81. Adoption.~~

~~The International Fire Code, 2003 (the fire code), together with all appendices thereto, as published by the International Code Council is adopted as the fire prevention code of the city for the control of buildings, structures and premises as herein provided; and each and all of the regulations, provisions, penalties, conditions and terms of the International Fire Code are hereby adopted and made a part hereof as if fully set out in this article, with the additions, insertions, deletions and changes, if any, prescribed in this article.~~

~~(Code 1982, § 95.01; Ord. No. 892F, § 1, 7-17-95; Ord. No. 100G, § 1, 3-3-97; Ord. No. 577G, § 1, 8-18-03; Ord. No. 669G, § 1, 11-15-04)~~

~~Sec. 46-82. Additions, insertions and changes.~~

~~The following sections of the International Fire Code, 2003 are revised as follows:~~

~~(1) Wherever the International Fire Code, 2003 calls for the insertion of the name of the jurisdiction, insert "the City of Belvidere."~~

~~(2) Section 108 of the International Fire Code, 2003, shall be deleted and the following inserted in its place:~~

~~Any person who receives an unfavorable decision from the code official of the City may appeal that decision to the City of Belvidere Public Safety Committee. An application for appeal must be based on at least one of the following alleged errors: 1) that the true intent of this code or the rules legally adopted hereunder have been incorrectly interpreted, 2) the provisions of this Code do not fully apply, or 3) an equally good or better method of fire prevention is proposed. The application must be filed on a form used by the Zoning Board of Appeals (ZBA) in its zoning appeals cases and must be filed with the City Clerk within 20 days after the Code Official renders the decision appealed from. In addition to the fee required to submit an appeal to the Public Safety Committee, the appellee must pay for any costs incurred by the City and the Public Safety Committee in considering and processing the appeal, including, but not limited to, the City and Committee's reasonable professional costs (which may include, but is not limited to, attorney's fees, expert witness fees etc.).~~

~~(3) Section 307, Open Burning and Recreational Fires, of the 2003 International Fire Code shall read as follows:~~

~~Section 307. Open Burning and Recreational Fires.~~



~~307.1 General. A person shall not kindle or maintain or authorize to be kindled or maintained any open burning unless conducted and approved in accordance with this section and § 74-215 of the Belvidere Municipal Code.~~

~~307.2 Permit required. A permit shall be obtained from the fire code official in accordance with Section 105.6 prior to kindling a fire authorized by § 74-215.~~

~~307.2.1 Authorization. Where required by state or local law or regulations, open burning shall only be permitted with prior approval from the state or local air and water quality management authority, provided that all conditions specified in the authorization are followed.~~

~~307.2.2 Prohibited open burning. Open burning shall be prohibited except as set forth in § 74-215 shall be prohibited. The fire code official is authorized to order the extinguishment by the permit holder or the fire department of open burning which creates or adds to a hazardous or objectionable situation.~~

~~307.3 Location. The location for open burning shall not be less than 50 feet (15,240 mm) from any structure, and provisions shall be made to prevent the fire from spreading to within 50 feet (15,240 mm) of any structure.~~

~~Exceptions:~~

~~1. Fires in approved containers that are not less than 15 feet (4,572 mm) from a structure.~~

~~2. The minimum required distance from a structure shall be 25 feet (7,620 mm) where the pile size is 3 feet (914 mm) or less in diameter and 2 feet (610 mm) or less in height.~~

~~307.3.1 Bonfires. A bonfire shall not be conducted within 50 feet (15 240 mm) of a structure or combustible material unless the fire is contained in a barbecue pit. Conditions which could cause a fire to spread within 50 feet (15 240 mm) of a structure shall be eliminated prior to ignition.~~

~~307.4 Attendance. Open burning or bonfires shall be constantly attended until the fire is extinguished. A minimum of one portable fire extinguisher complying with Section 906 with a minimum 4-A rating or other approved on-site fire extinguishing equipment, such as dirt, sand, water barrel, garden hose or water truck, shall be available for immediate utilization.~~

~~(4) a. That the following sections of the International Fire Code 2003 are amended as follows;~~

~~903.2.1.1 Delete "12,000" and (1115 m<sup>2</sup>).~~

~~903.2.1.1 Insert "5,000" in place of the deleted "12,000."~~

~~903.2.1.2 Delete "5,000" and (455m<sup>2</sup>).~~

~~903.2.1.2 Insert "2,500" in place of the deleted "5,000."~~

~~903.2.1.3 Delete "12,000" and (1115m<sup>2</sup>).~~

~~903.2.1.3 Delete exception.~~

~~903.2.1.3 Insert "5,000" in place of the deleted "12,000.~~

~~903.2.1.4 Delete "12,000" and (1115m<sup>2</sup>).~~

903.2.1.4 Delete exception.

903.2.1.4 Insert "5,000" in place of the deleted "12,000."

903.2.2 Delete "20,000" and (1858m<sup>2</sup>).

903.2.2 Insert "5,000" in place of the deleted "20,000."

903.2.3 Delete "12,000" and (1115m<sup>2</sup>) and "24,000" and (2230m<sup>2</sup>).

903.2.3 Insert "5,000" in place of the deleted "12,000" and insert "5,000" in place of the deleted "24,000."

903.2.6 Delete "12,000" and (1115m<sup>2</sup>) and "24,000" and (2230m<sup>2</sup>).

903.2.6 Insert "5,000" in place of the deleted "12,000" and insert "5,000" in place of the deleted "24,000."

903.2.8 Delete "12,000" and (1115m<sup>2</sup>) and "24,000" and (2230m<sup>2</sup>).

903.2.8 Insert "5,000" in place of the deleted "12,000" and insert "5,000" in place of the deleted "24,000."

903.2.8.1 Delete "10,000" and (929m<sup>2</sup>) and "12,000" and (1115m<sup>2</sup>).

903.2.8.1 Insert "5,000" in place of the deleted "10,000" and insert "5,000" in place of the deleted "12,000."

903.2.13 Other required suppression systems.

Insert Business Group B in excess of 5000 sq. ft.

903.4.2 Delete "audible."

903.4.2 Insert "audio/visual" in place of "audible."

903.4.2.1 Insert "Alarm indicating Appliances audio/visual devices— Shall be provided, seen and heard in all areas of every building. All sprinklered buildings shall be provided with audio/visual devices. This will provide full building notification".

903.6 Insert "Manual Pulls, A/V, Detectors— Manual pulls, A/V, and detectors to be on separate zones per floor."

903.7 Insert "Outside Access— An outside and inside access door to the sprinkler riser valve room and fire pump room shall be provided."

903.8 Insert "Separated fire pump room— A 2-hour separate sprinkler valve room and/or fire pump room shall be provided."

903.9 Insert "FD Connections— All fire department connections shall be a 5" Storz connection."

903.10 Insert "NFPA 231— General storage, 1998 Edition."

903.11 Insert "NFPA 231 C— Rack storage, 1998 Edition."

903.12 Insert "NFPA 231 D— Storage of rubber tires, 1998 Edition."

~~905.2 Suppression Systems — Installation Standards. As it references NFPA 14 — subsections 6.3.5.4 & 6.3.5.4.1~~

~~Delete "30.5m (100ft)."~~

~~905.2 905.2 As it references NFPA 14 — subsections 6.3.5.4 & 6.3.5.4.1.~~

~~Insert 75ft.~~

~~b. — Where Building Code is more restrictive the lower number shall apply.~~

~~(5) — Section 508.2.1 of the International Fire Code, 2003, is amended to read as follows:~~

~~Private Fire Service mains and appurtenances shall be installed in accordance with NFPA 24. Fire hydrants shall be located not more than 300 feet apart for commercial and industrial sites and 500 feet apart for residential sites. Additionally, at least one fire hydrant shall be located at each street intersection and one fire hydrant shall be located within 75 feet of any fire service connection in a building containing a fire suppression system.~~

~~(6) — Section 905.3.1 of the International Fire Code, 2003 is amended to read as follows:~~

~~[F] 905.3.1 Building Height. Class III standpipe systems shall be installed throughout buildings where the floor level of the highest story is located more than 20 feet above the lowest level of fire department vehicle access, or where the floor level of the lowest story is located more than 20 feet below the highest level of fire department vehicle access.~~

~~Exceptions:~~

- ~~1. — Class I standpipes are allowed in buildings equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1 or 903.1.3.1.2.~~
- ~~2. — Class I manual standpipes are allowed in open parking garages where the highest floor is located not more than 150 feet above the lowest level of fire department vehicle access.~~
- ~~3. — Class I manual dry standpipes are allowed in open parking garages that are subject to freezing temperatures, provided that the hose connections are located as required for Class II standpipes in accordance with Section 905.5.~~
- ~~4. — Class I standpipes are allowed in basements equipped with an automatic sprinkler system.~~

~~(Code 1982, § 95.02; Ord. No. 892F, § 1, 7-17-95; Ord. No. 100G, § 1, 3-3-97; Ord. No. 577G, § 2, 8-18-03; Ord. No. 588G, § 1, 10-20-03; Ord. No. 597G, § 1, 12-15-03; Ord. No. 669G, § 2, 11-15-04; Ord. No. 707G, § 1, 4-18-05); Ord. No. 882G, § 1, 1-16-07)~~

~~Sec. 46-83. — Additional requirements relating to explosive materials storage and handling:~~

~~In addition to the provisions of section 3304 of the International Fire Code, 2003, any person or business that stores explosive materials or materials that are used in conjunction with explosives must supply the following information to the fire chief of the city:~~

- ~~(1) — National Fire Prevention Association (NFPA 704) information, if available.~~
- ~~(2) — Department of Transportation (DOT) information, if available.~~
- ~~(3) — Any trade name.~~
- ~~(4) — True names.~~
- ~~(5) — The maximum quantity on hand at any given time.~~

~~(Code 1982, § 95.03; Ord. No. 892F, § 1, 7-17-95; Ord. No. 100G, § 1, 3-3-97; Ord. No. 577G, § 3, 8-18-03)~~

~~Sec. 46-84.—Additional provisions.~~

~~Sections 46-1, 46-1.5, 46-2, 46-34—46-40 shall be construed as additional provisions regulating fire prevention and safety.~~

~~(Code 1982, § 95.04; Ord. No. 130G, § 1, 7-7-97)~~

~~Sec. 46-85.—Inspection and service fees.~~

- ~~(a) The owner of any property or building requiring inspection of a fire alarm system or fire extinguishing system shall pay the fees as set forth in appendix A of this Code prior to the inspection.~~
- ~~(b) Where local ordinance, state statute or any other code, statute, rule or ordinance requires, or where the fire department is requested to, review any project, site, variance request, plan, plat or general permits, the applicant and/or owner shall pay the fees as set forth in appendix A of this Code.~~
- ~~(c) Where the fire department responds to any structural fire in which the fire department, in its sole discretion, there is more than \$1,000.00 in damage, the owner of the structure shall pay a response/service fee as set forth in appendix A of this Code.~~

~~(Ord. No. 657G, § 1, 8-16-04)~~

~~Sec. 46-86.—Fire alarm systems.~~

~~In addition to the requirements contained in the International Fire Code, 2003 or any other provision of this Code, all newly installed fire alarm systems (whether or not the actual system is a new system or a newly installed used system) shall have its own unique ID (for each device (point)) that is recognized by the alarm panel, and that ID is to be passed on from the alarm panel to the monitoring service.~~

~~(Ord. No. 882G, § 2, 1-16-07)~~

~~Sec. 46-87.—Monitoring.~~

~~In addition to the requirements of the International Fire Code, 2003, or any other provision of this Code, all multiple tenant buildings (whether residential or commercial) with sprinkler systems shall have those systems zoned per individual tenant space. All sprinkler systems shall have water flow and tamper switches as well as all initiating devices (pull stations, smoke detectors) monitored separately per tenant space. A red strobe device shall be provided over each individual tenant space entrance. The strobe shall activate only upon activation of the water flow or initiating appliance in the tenant space. Upon activation of the fire system all notification appliances within the same zone shall initiate.~~

~~(Ord. No. 882G, § 3, 1-16-07)~~

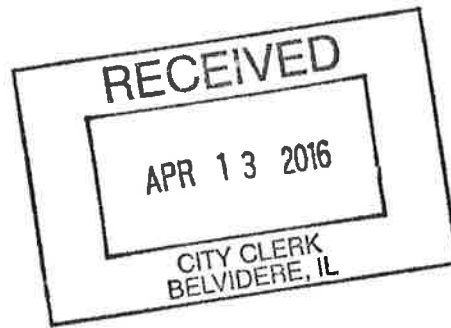
# Memo

**To:** Mayor and City Council  
**From:** Dan Anderson, Water/Sewer/Street Superintendent  
**Date:** 5/3/2016  
**Re:** Request for Water Bill Adjustment  
231 Secretariats Way (Account #03-113500-00)

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Attached to this memo is a request from the property owner at 231 Secretariats Way for consideration of a water bill adjustment. We received a high usage warning for the previous day's activity and sent an employee to check on that location. No one was at home and it appeared that the water was still running, so the water was turned off at the street. It was later determined that the water filter system cracked, causing the leak of 7,200 cubic feet of water into the basement, according to our records. The charges for leak are \$113.04 for water and \$177.12 for sewer (\$290.16 total).

Based on the above information, it is our opinion that no reduction in the water and sewer billing be given since all of the additional water used due to the water leak went down the sanitary sewer.



March 11, 2016

Dear City Council Members:

This is to address a problem we had with a water filter break while on vacation during March 25<sup>th</sup> until April 8<sup>th</sup>. While out of the country, we had an issue with our water heater which caused the whole house water filter system to crack and let 7,300 cu. ft. of water flow into our basement.

This was caused by the reservoir tank on the water heater to fill with all water instead of one half water and one half air. Then when the water heater turned on it heated the water in the tank and left no room for expansion so it broke the plastic housing of the water filter cartridge system.

Since we were gone for two weeks, I am asking for an adjustment on my water bill for the next billing cycle. This would be appreciated very much as we incurred some large expense with replacement of equipment and cleaning of the basement.

Thanks you so much.

Brock and Karin Dorn  
231 Secretariats Way  
Belvidere, IL 61008

<input type="checkbox"/>	13568456	SECRETARIATS WAY (13568456 - 3113500)	231	1	2016/03/26 12:00:00	2016/03/26 13:00:00	1	0 CF	Passed Validation
<input type="checkbox"/>	13568456	SECRETARIATS WAY (13568456 - 3113500)	231	1	2016/03/26 18:00:00	2016/03/26 19:00:00	1	0 CF	Passed Validation
<input type="checkbox"/>	13568456	SECRETARIATS WAY (13568456 - 3113500)	231	1	2016/03/27 00:00:00	2016/03/27 01:00:00	1	0 CF	Passed Validation
<input type="checkbox"/>	13568456	SECRETARIATS WAY (13568456 - 3113500)	231	1	2016/03/27 06:00:00	2016/03/27 07:00:00	1	0 CF	Passed Validation
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<input type="checkbox"/>	13568456	SECRETARIATS WAY (13568456 - 3113500)	231	1	2016/03/29 06:00:00	2016/03/29 07:00:00	1	1600 CF	Passed Validation
<input type="checkbox"/>	13568456	SECRETARIATS WAY (13568456 - 3113500)	231	1	2016/03/29 12:00:00	2016/03/29 13:00:00	1	1500 CF	Passed Validation
<input type="checkbox"/>	13568456	SECRETARIATS WAY (13568456 - 3113500)	231	1	2016/03/29 18:00:00	2016/03/29 19:00:00	1	100 CF	Passed Validation

*7,200 CF*  
*113.04 WM*  
*177.12 SE* → *W/O billing fee (\$13.00)*



Account Number:   Address:

Zone:   Name:

General | Metered | Non-Metered | Financial | Information | Comments | History | Consumption History | Service Orders | Devices |

Services:  Filter:  Period:  Thru:

Grid  Graph

Year:

Month	Date	Read		Total	Demand		Reading		Occup...
		Previous	Current	Consum...	Read	Consum...	Flag	Source	
- Year: 2016 Total 2									
Mar	03/17/2016	1026	1034	800			Regular	Hand Held	00
Jan	01/19/2016	1019	1026	700			Regular	Hand Held	00
- Year: 2015 Total 6									
Nov	11/17/2015	1015	1019	400			Regular	Hand Held	00
Sep	09/21/2015	1005	1015	1000			Regular	Hand Held	00
Jul	07/20/2015	994	1005	1100			Regular	Hand Held	00
May	05/19/2015	986	994	800			Regular	Hand Held	00
Mar	03/19/2015	978	986	800			Regular	Hand Held	00
Jan	01/19/2015	970	978	800			Regular	Hand Held	00
- Year: 2014 Total 4									
Nov	11/19/2014	959	970	1100			Regular	Hand Held	00
				Avg 867					

Edit This Record





Account Number:   Address:

Zone:   Name:

General | Metered | Non-Metered | Financial | Information | Comments | History | Consumption History | Service Orders | Devices

Pending Activity:  Balance:

Drag a column header here to group by that column

Date	Packet	Type	Receipt #	Reference	Debits	Credits	Balance
04/15/2016	013827	Payment	509469	995368		45.24	0.00
04/01/2016	013771	Bill		1/20-3/20 04/20	45.24		45.24
02/12/2016	013628	Payment	501730	995340		63.70	0.00
02/01/2016	013587	Bill		11/20-1/20 02/20	63.71		63.70
12/09/2015	013436	Payment	493850	995319		29.13	0.01CR
12/01/2015	013390	Bill		9/20-11/20 12/20	29.12		29.12
10/26/2015	013315	Payment	487955	995283		58.63	0.00
10/26/2015	000000	Memo	487955	Ex CUT-PMT 58.63CR			58.63
10/21/2015	013286	Late Charge			5.33		58.63
10/01/2015	013213	Bill		7/20-9/20 10/20	53.30		53.30
08/10/2015	013056	Payment	478608	995243		57.33	0.00
08/01/2015	013023	Bill		5/20-7/20 08/20	57.33		57.33
06/12/2015	012883	Payment	471776	995222		45.24	0.00
06/01/2015	012837	Bill		3/20-5/20 06/20	45.24		45.24
04/09/2015	012687	Payment	463861	995195		45.24	0.00
04/01/2015	012647	Bill		1/20-3/20 04/20	45.24		45.24

Edit This Record

View kelly

# Memo

**To:** Mayor and City Council  
**From:** Brent Anderson, Director of Public Works  
**Date:** 5/3/2016  
**Re:** GPS Device Proposals

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The current water and sewer budget includes \$25,000 for the purchase of a GPS device. This instrument will allow us to gather coordinates for all of our infrastructure, including valves, hydrants, manholes, etc. which will become part of our GIS system.

We have received the following proposals for a Trimble Geo 7 GPS Device:

- |   |             |
|---|-------------|
| 1. Cloudpoint Geographics<br>107 West Ann Street<br>Roanoke, IL 61561     | \$19,192.00 |
| 2. Seiler Geospatial Division<br>9755 Airways Court<br>Franklin, WI 53132 | \$22,152.95 |

I would recommend approval of the proposal from Cloudpoint Geographics, in the amount of \$19,192.00, for the purchase of a Trimble Geo 7 GPS device. This equipment will be paid for from Water and Sewer Line Item #61-1750.

# Trimble Geo 7 Series

Bring high accuracy mapping to the field

## Ready for anything. Be truly productive with the Trimble® Geo 7 Series. No matter what gets in your way

### Eliminate physical barriers to field success

The Trimble Geo 7 Series handhelds bring precision, reliability, and simplicity to asset data collection. GNSS precision is available at the centimeter, decimeter, and sub-meter levels to meet your mission requirements.

In addition to traditional GNSS capabilities, the Geo 7 Series offers two powerful innovations so you stay productive when the going gets tough:

**Trimble Flightwave™** enables you to measure positions when occupying the point is simply not possible. Flightwave combines a powerful laser rangefinder with workflows that easily integrate offset measurements with your work. Users can simply point and shoot to get the 3D position, despite dangerous conditions or right-of-way challenges—saving time each day while getting previously impossible work done.

**Trimble Floodlight™** technology utilizes all available satellite signals to keep you working when heavy overhead cover and urban canyons obstruct satellite signals.

### Smart data collection

The Geo 7 Series utilizes all current GNSS signals in order to achieve the most precise and reliable position. And the Geo 7 Series is capable of utilizing future signals as well, so your investment is secure.

Together with Trimble Unity mobile and cloud solution for Water, Wastewater and Stormwater utilities, the Geo 7 Series gives you an end-to-end solution for data collection and asset management. Whether you are collecting the positions of water assets or completing work requests with positions and photos, the Geo 7 offers the productivity you need.



## KEY FEATURES



### Trimble Flightwave remote positioning technology

Easy and productive data capture of assets with remote measurement



### Trimble Floodlight satellite shadow reduction technology

More positions and increased accuracy in tough GNSS environments



### Maximize your GNSS productivity and be ready for the future

Track existing and planned GNSS constellations



### End-to-end 2D and 3D mapping solution

Compatible with Trimble Unity

## PHYSICAL DIMENSIONS

Geo 7 Series handheld (H x W x D)	234 mm x 99 mm x 56 mm (9.2 in x 3.9 in x 2.2 in)
Geo 7X handheld with rangefinder	1080 g

## GNSS, ORIENTATION, AND DISTANCE

GNSS sensor	L1/L2 GNSS receiver and antenna
Chipset	220 channel Trimble Maxwell™6
Systems	GPS, GLONASS, Galileo, BeiDou, QZSS
SBAS	WAAS, EGNOS, MSAS, GAGAN
SBAS+	Yes
Floodlight	Yes
Receiver protocols	NMEA, TSIP2
Update rate	1 Hz
Time to first fix	< 45 seconds (typically)
Real-time correction protocols	RTCM2.x/RTCM3.x/CMR+/CMRx
Real-time Centimeter mode accuracy <sup>2</sup>	
Horizontal	1 cm + 1 ppm HRMS
Vertical	1.5 cm + 2 ppm VRMS
Postprocessed Centimeter mode accuracy <sup>2</sup>	
Horizontal	1 cm + 1 ppm HRMS
Vertical	1.5 cm + 1 ppm VRMS
H-Star™ accuracy	10 cm + 1 ppm HRMS
Code accuracy (real time)	75 cm + 1 ppm HRMS
SBAS accuracy	Typically submeter

Orientation sensors <sup>5</sup>	3-axis gyro, magnetometer, accelerometer
Heading accuracy <sup>5</sup>	1.5°
Inclination accuracy <sup>5</sup>	0.5°
Roll accuracy <sup>5</sup>	0.5°

Distance sensor <sup>5</sup>	Laser rangefinder module
Communication protocols <sup>5</sup>	Proprietary
Passive range <sup>5</sup>	Up to 120 m
Reflective range <sup>5</sup>	Up to 200 m
Accuracy <sup>5</sup>	0.05 m
Range precision <sup>5</sup>	0.01 m

## NETWORK AND WIRELESS CONNECTIVITY

GSM/GPRS/EDGE	850 / 900 / 1800 / 1900 MHz
UMTS/HSPA+	800 / 850 / 900 / 1900 / 2100 MHz
CDMA/EV-DO Rev. A	800 / 1900 MHz (Verizon certified)
Wi-Fi	802.11b/g
Bluetooth profiles	BT 2.0 +EDR (SPP, OPP, FTP, PAN, A2DP, DUN, HID)

## POWER AND BATTERY

Type	Rechargeable, removable Li-Ion
Capacity	11.1V 2,500 mA/H
Charge time	< 4 hours (typical)
Real time DGNSS usage (via integrated 3G/3.5G)	Up to 7 hours
Real time DGNSS usage (via Bluetooth)	Up to 9.5 hours
Autonomous GNSS usage	Up to 10.5 hours
Non-GNSS use	Up to 24 hours
Standby	Up to 50 days

## SYSTEM CPU, MEMORY, AND CAMERA

CPU	Texas Instruments DM3730 1 GHz + GPU
Memory	4 GB user memory + SD slot (up to 32 GB), 256 MB RAM
Camera	5 MP

## DISPLAY AND TOUCH PANEL

Display	4.2" VGA (640 x 480) LED transfective
Touch panel	Resistive touch panel with polarized light filter
Brightness	280 cd/m

## OS

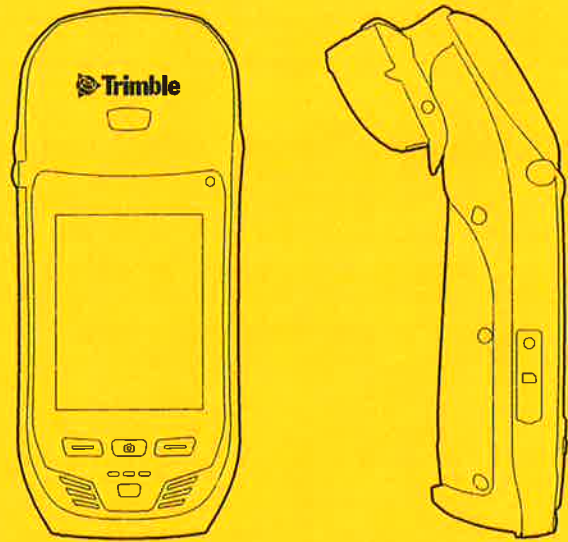
Microsoft™ Windows™ Embedded Handheld version 6.5 Professional.  
English (U.S.), Chinese (Simplified), Chinese (Traditional), French, German, Italian, Japanese, Korean, Spanish, Portuguese (Brazil), Russian.

## SYSTEM REQUIREMENTS

Syncing with a PC requires Windows 7; Windows Vista; or Windows XP Home or Professional with Service Pack 3 or later. Some field applications and services require mobile internet access.

## ENVIRONMENTAL USE

Operating ambient temperature	-4° to 140° F (-20° to 60° C)
Storage temperature	-22° to 158° F (-30° to 70° C)
Relative humidity	95% non-condensing
Maximum operating altitude	29,000 ft (9,000 m)
Maximum storage altitude	40,000 ft (12,000 m)
Water/dust ingress	IP65
Functional shock	MIL-STD 810G Method 516.6 Procedure I
Drop	4 ft (1.22 m)
Vibration	MIL-STD 810 G Method 514.6 Procedure I



1. Accuracy and reliability may be subject to anomalies due to multipath, obstructions, satellite geometry, and atmospheric conditions. Always follow recommended GNSS data collection practices. Specified H-Star accuracy can normally be achieved for baseline lengths of 100 km or less. H-Star accuracy is typically achieved within 2 minutes.
2. Stated accuracy is with Trimble Zephyr™ Model 2 GNSS antenna
3. 1-sigma, @ 20 C, to Kodak Grey card at 50 m.
4. 3 Actual run time will vary with conditions and environment of use.
5. Accuracy and reliability may be subject to anomalies due to sensor calibration quality, temperature, and presence of local magnetic disturbances. Always follow recommended sensor calibration and operation practices.

Specifications subject to change without notice.



CE 0682



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water@trimble.com  
www.trimblewater.com

Trimble water

# Memo

**To:** Mayor and City Council  
**From:** Brent Anderson, Director of Public Works  
**Date:** 5/3/2016  
**Re:** Well #8 SCADA Upgrade

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When the original SCADA system was installed at Well #8 nearly twenty years ago, the existing motor controls were utilized as part of the system. Most of that mechanical system is now obsolete and we are having to make repairs on a regular basis.

Attached is a proposal from TRI-R Systems, who has designed, installed and maintained our SCADA System, for the SCADA upgrade to the Well #8 that will eliminate the mechanical controls.

I would recommend approval the proposal from TRI-R Systems, including Option #1, in the amount of \$20,600.00, for the Well #8 SCADA Upgrade. This work will be paid for from Water Depreciation Account (#04-09).



SYSTEMS  
INCORPORATED

1804 E. LINCOLN HWY. DEKALB, IL 60115  
PHONE (815) 787-0830 FAX (815) 787-0930

March 22, 2016

Re: *City of Belvidere SCADA Well #8 Upgrade*

Per your request, TRI-R Systems Incorporated is pleased to provide the following proposal.

### **Master Station**

- Furnish and install Allen Bradley Micrologix 1400 with I/O in existing motor control section.
- Furnish and install 10" Allen Bradley color operator interface touchscreen on steel plate of existing motor control section door.
- Relocate radio, power supply and cabling to motor control section.
- Remove obsolete Well #8 control equipment and incorporate the signals into new Allen Bradley Micrologix PLC.
- Remove old SCADA cabinet and wire existing signals to new Allen Bradley Micrologix PLC.
- Move Well #8 HOA switch, lights and RTM to Well #8 motor control section.
- Provide programming for new Allen Bradley Micrologix PLC and operator interface touchscreen
- Provide master station PLC and Intouch programming for integration new Allen Bradley Micrologix PLC.
- Provide training for new equipment.

Provide one year warranty on parts and labor.

**Price: \$23,250.00**

### **Option #1**

**Provide 10 "Automation Direct color operator interface touchscreen instead of 10" Allen Bradley color operator interface touchscreen.**

**Deduct \$2,650.00**

If you have any questions, please call.

Sincerely,  
TRI-R Systems Incorporated  
Timothy C. Smith

# Belvidere Police Department

Jan W. Noble - Chief of Police

Tony Martin - Deputy Chief, Administration

Shane Woody - Deputy Chief, Operations



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615 N. Main Street • Belvidere, IL 61008 • Phone 815-544-9626 • Fax 815-544-9603 • [www.ci.belvidere.il.us](http://www.ci.belvidere.il.us)

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**TO: Mayor Chamberlain and City Council**

**FROM: Chief Jan W. Noble**

**DATE: May 3, 2016**

**RE: Vacation/Holiday Time Carry Over**

Two of our officers have vacation/holiday time remaining that they were unable to use, for various reasons, during this fiscal year. I am, therefore, requesting that they be allowed to carry over their remaining hours and use this time during FY 16/17.

The officers are:

<u>Name</u>	<u>Hours</u>	<u>Reason</u>
Officer Coduto	51.0	Medical
DC Woody	57.5	FBINA & Operational Demands

**Motion: To authorize Officer Coduto and Deputy Chief Woody to carry over their unused vacation/holiday time, as listed above, from the FY 15/16 and use it in FY 16/17.**

JWN/sd

# Belvidere Police Department

Jan W. Noble - Chief of Police

Tony Martin - Deputy Chief, Administration

Shane Woody - Deputy Chief, Operations



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**TO: Mayor Chamberlain and City Council**

**FROM: Chief Jan W. Noble**

**DATE: May 3, 2016**

**RE: Recommendation for Replacement of Department Issued Weapon**

Over the past few years, the Belvidere Police Department has evaluated and tested several weapons for consideration, including the .45 caliber Glock handgun, Springfield Arms XD .45 and Smith and Wesson M&P .45. Our current service weapon was last issued in 1999/2000. We have had 16 years of good service from these weapons but now we are experiencing malfunctions and misfires. It is time to trade them in. We looked for a weapon that had a more universal appeal and an adjustable back strap which would enable the adaption by many hand sizes within the Belvidere Police Department.

The recommendation is to replace the current service weapon with the Glock Model 21 .45 caliber. This expenditure is budgeted and planned for in the FY 16/17 budget. Three quotes (attached) and shown below include:

- Kiesler's Police Supply: \$469.00 ea. (Including Holsters and Tactical Lights for Each Weapon) including trade-in allowance for a total purchase price of \$13,909.00
- Ray O'Herron Co: \$469.00 ea. (Including Holsters and Tactical Lights for Each Weapon) including trade-in allowance for a total purchase price of 19,713.55
- Gat Guns: \$573.00 ea. (Holsters, and Tactical Lights not priced) without a trade-in allowance total purchase price of 24,639.00

**Motion:** To approve the replacement of the Belvidere Police Department service weapon with a Glock .45 caliber full size or compact handgun from Kiesler's Police Supply at a cost not to exceed \$13,909.00 for 43 service weapons including duty holster and tactical light with trade in of current Heckler and Koch Model USP 45.

JWN/sd





# KIESLER POLICE SUPPLY, INC.

2802 SABLE MILL RD - JEFFERSONVILLE, IN 47130

## QUOTES/INFORMATION

800-444-2950 / 812-288-5740

Monday - Friday 8:30am - 5:30pm EST

FAX: 1-812-288-7560 - 24 Hours/7 Days

TAX ID# 35-1361847

## Quote Form

Bid Spec Number 12229	Page
Req'd Ship Date	

Ord. Date	Ordered By	Terms	F.O.B.	Ship Via
14 Apr 16		Net 30 FET		Best Way
CUST	Belvidere Police Department			
Address	615 N. Main Street			Ship to:
City, State, Zip	Belvedere, IL 61008			Address
Contact	Sergeant Chris Washburn e-mail washburn@belviderepolice.com			City, State, Zip
TX, FX	TX 1-815-547-6393 FX 1-815-544-9603 C 1-815-621-9068			Attention

Please Note! All trade-in firearms must be in working condition absent of any frame modifications, with three factory magazines. A fee of \$15.00 will be deducted from the trade-in value for each missing magazine.

Line	Item #	Description	Code	Unit Price	Units	Ordered	Amount
	GLOC-PG21507	GLOCK # PG21507 Model 21 Generation 4 'Safe-Action-Pistol' 45 Cal, 5.5 Lb Trigger 4.6" Barrel W/Glock Three Dot Night Sight, 3 OEM 13 Round 45 Cal Magazines	RLKEE	\$469.00	EACH	41	\$19229.00
	GLOC-PG30507	GLOCK # PG30507 Model 30 Generation 4 'Safe-Action-Pistol' 45 Cal, 5.5 Lb Trigger 3.75" Barrel W/Glock Three Dot Night Sight, 3 OEM 10 Round 45 Cal Magazines	RLKEE	\$469.00	EACH	2	\$938.00
	TRADE-IN	H&K USP 45 W/NIGHTY SIGHTS AND 3 MAGAZINES EACH	CHIP	-\$340.00	EACH	38	-\$12920.00
	TRADE-IN	H&K USP 45 TACTICAL W/NIGHTY SIGHTS AND 3 MAGAZINES EACH	CHIP	-\$450.00	EACH	2	-\$900.00
	TRADE-IN	H&K USP 45 COMPACT W/NIGHTY SIGHTS AND 3 MAGAZINES EACH	CHIP	-\$350.00	EACH	2	-\$700.00
	SAFA-6360-3832-481/482	SAFARI LAND # 6360-3832-481(R/H) Or 482 (L/H) ALS/SLS Level III Retention Holster in STX Basket Black Finish to Fit Glock Model 21 W/TLR-1 Firearm Light	MLHE	\$106.00	EACH	39	\$4134.00
	SAFA-6360-483-481/482	SAFARI LAND # 6360-483-481(R/H) Or 482 (L/H) ALS/SLS Level III Retention Holster in STX Basket Black Finish to Fit Glock Model 30	OOLE	\$98.00	EACH	2	\$196.00
	SAFA-6378-383-481/482	SAFARI LAND # 6378-383-411(R/H)/412 (L/H) In STX Plain Black Finish Belt Loop & Paddle To Fit Glock Model 21	LOEE	\$33.20	EACH	8	\$265.60
	SAFA-6378-483-411/412	SAFARI LAND # 6378-483-411(R/H)/412 (L/H) In STX Plain Black Finish Belt Loop & Paddle To Fit Glock Model 30	LOEE	\$33.20	EACH	2	\$66.40
	STRE-69110	STREAMLIGHT # 69110 Model TLR-1 Includes Rail Locking Keys for Glock Style Picatinny, (2) Lithium Batteries CR123 Included	DOR-HHOH	\$90.00	EACH	40	\$3600.00
							\$0.00
							\$0.00
							\$0.00

										\$0.00
										\$0.00
<b>Subtotal</b>										\$13909.00
										\$13909.00
TAX 6.25%										
SHIPPING										
GRAND TOTAL										\$13909.00

Received by  
Authorized Signature



# GAT GUNS

GUNS, AMMO, and TRAINING

# Quote

Date	April 29, 2016
Valid Until	[Date]
Quote #	[100]
Customer ID	[ABC12345]

### Customer:

Chris Washburn  
Belvidere PD  
[Street Address]  
Belvidere IL  
815-547-6393

### Quote/Project Description

Belvidere PD Glock quote

Description		Line Total
Qty. 41	Glock G21, GEN4 w/ night sight	\$573.00/ea 23,493.00
Qty. 2	Glock G30, GEN4 w/ night sight	\$573.00/ea 1,146.00

### Special Notes and Instructions

Once signed, please Fax, mail or e-mail it to the provided address.

Subtotal	\$	24,639.00
Discount		-
Sales Tax Rate		
Sales Tax		-
<b>Total</b>	<b>\$</b>	<b>24,639.00</b>

Above information is not an invoice and only an estimate of services/goods described above.  
Payment will be collected in prior to provision of services/goods described in this quote.

Please confirm your acceptance of this quote by signing this document

Signature

Print Name

Date

**Thank you for your business!**

Should you have any enquiries concerning this quote, please contact Mark on (847) 428-4867

970 Dundee Avenue, East Dundee, County, Illinois, 60118

Tel: (847) 428-4867 Fax:



# Memo...

<b>From:</b>	Chief Hyser	<b>Today's Date:</b>	May 4, 2016
<b>To:</b>	Shauna Arco	<b>Effective Date:</b>	May 9, 2016
<b>Subject:</b>	Agenda Items		

## Item #1 – Carry over vacation time

The department has had several extended illnesses this past fiscal year which prevented the use of some employee's vacation time. The following personnel have time that will need to be carried over into fiscal year 2017:

Loudenbeck - 4 Shifts	Pihl - 1 Shift
Ellwanger - 2 Shifts	Rotolo - 1 Shift
Vaughan - 1.5 Shifts	Tangye - 1 Shift
Jaeger - 1 Shift	Thornton - 1 Shift
Wilcox - 0.5 Shift	Hyser - 3 Shifts

## Item #2 – Purchase Mack Engine #1

The department is seeking permission to re-acquire Belvidere's old Engine #1, a 1956 Mack which was purchased new and operated front line in the city for years until being retired. The Mack was recently discovered at a fire memorabilia collector's barn. The Engine will be used for display, parades, and other public relation events. The Engine would be purchased with 2% funds and the hope is, with permission from the council, be housed at the Leath building.

*Chief Al Hyser*

**LICENSE AGREEMENT**

This License Agreement made and entered in this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, by and between \_\_\_\_\_ (“Licensor”) and Meirtran, Inc. (“Licensee”).

**RECITALS**

WHEREAS, the Licensor occupies certain premises located at \_\_\_\_\_ hereinafter referred to as “said Location”; and

WHEREAS, Licensee desires to operate and maintain an Automated Teller Machine (“ATM”) in said location; and

WHEREAS, Licensor is willing to grant Licensee a license to place, maintain, and operate said ATM upon the terms, covenants and conditions set forth herein.

**AGREEMENT**

**Purpose**

Licensor hereby grants Licensee the right, privilege and license to place, maintain, and operate said ATM at a mutually agreed upon site in said Location. This license is subject to the Licensee obtaining at its sole cost and expense any and all regulatory approvals, if any, which may be required to carry out the purpose of this Agreement.

**ATM Functions**

The parties agree that said ATM shall perform only the following functions:

- a. Cash Dispensing;
- b. Balance Inquiries;
- c. Funds transfers between customer accounts

**Installation of Equipment**

Licensor shall approve all plans and specifications for said ATM to be placed at the location, which approval shall not be unreasonably withheld. Licensor shall allow Licensee access to electrical service already on the site. Licensor and Licensee agree that the parties will facilitate the connection and maintenance of all telephone lines or other connection type to said ATM.

**Maintenance**

Any and all repairs to be made to said ATM shall be the sole responsibility of the Licensee, at Licensee’s sole and exclusive cost.

**Indemnification**

Licensee agrees to indemnify, defend and hold harmless Licensor, its officials, officers and employees from any complaint or claim, of any nature, including, but not limited to, claims for money damages, injury or death in any way related to Licensee’s ATM.

**Termination**

Removal of said ATM shall be mutually agreed upon.

IN Witness Whereof, this License Agreement has been executed on the day and year written.

**Meirtran, Inc.**

By: \_\_\_\_\_

Mike Boyd, President

\_\_\_\_\_

By: \_\_\_\_\_

\_\_\_\_\_