

ELBURN & COUNTRYSIDE
FIRE PROTECTION DISTRICT

ORDINANCE NO. 2019-01
AMENDING FIRE PREVENTION ORDINANCE No. 2017-2
DATED APRIL 10, 2017

Adopted by the
Board of Trustees of the
ELBURN & COUNTRYSIDE FIRE PROTECTION DISTRICT

This 11th day of February, 2019

ORDINANCE NO. 2019-01

**AN ORDINANCE AMENDING FIRE PREVENTION ORDINANCE
NO. 2017-2 DATED APRIL 10, 2017, WHICH ESTABLISHED
THE FIRE PREVENTION CODE AND LIFE SAFETY CODE FOR
THE ELBURN & COUNTRYSIDE FIRE PROTECTION DISTRICT**

WHEREAS, the Elburn & Countryside Fire Protection District has adopted the 2015 edition of all of the ICC Codes, including their Appendices, Referenced Standards and District Amendments to the IFC, IBC and IRC stated below; and has also previously adopted NFPA 13 (2016 Edition), NFPA 70 (2017 Edition), NFPA 72 (2016 Edition), NFPA 99 and 101 (2015 Editions), and the current edition of the remaining National Fire Codes (NFPA 10 through 1194).

BE IT ORDAINED BY THE BOARD OF TRUSTEES OF THE ELBURN & COUNTRYSIDE FIRE PROTECTION DISTRICT, KANE COUNTY, ILLINOIS, AS FOLLOWS:

Section 1: That the above-stated codes and standards are hereby affirmed and ratified and/or otherwise adopted except for such parts as are amended or repealed as follows:

AMENDMENTS TO THE 2015 INTERNATIONAL FIRE CODE (IFC)
CHAPTER 1 - ADMINISTRATION

101.1 Title. Insert the following as the Name of Jurisdiction: “Elburn & Countryside Fire Protection District”.

101.2.1 Appendices. Delete this section and insert the following:
Provisions in appendices apply and are adopted with this code.

Add

105.9 Sprinkler and Plan Review: To the extent that the District utilizes the services of a certified fire protection engineer, the applicant shall pay all fees charged by the fire protection engineer, and shall pay the District an additional administrative fee equal to 15% of the engineer’s fee.

109 Violation Penalties: Take out the word “[AMOUNT]” and insert “\$1,000.00”.

111.4 Failure to comply. Delete this section and insert the following:
Any person who shall continue any work after having been served with a stop work order, except such work as that person is directed to perform to remove a violation or unsafe condition, shall be liable to a fine of no more than \$1,000.00.

CHAPTER 2 - DEFINITIONS

Add as an additional section:

201.5 Use of Terms. Whenever the terms “authority having jurisdiction”, “Chief of the Fire Prevention Bureau”, “Fire Official”, “Code Official”, “Fire Marshal”, or “Fire Prevention Bureau” are used, they shall be held to mean the Fire Chief of the Elburn & Countryside Fire Protection District or his designated representative.

Delete the stated definition of Townhouse and insert the following:

TOWNHOUSE. A single family dwelling unit constructed in a group of three, four, five or six attached units in which each unit extends from foundation to roof and with open space on at least two sides. Dwelling units where more than six units are attached shall be governed by code provisions applicable to multiple family dwellings, rather than the provisions of this one and two family dwelling code.

CHAPTER 3 – GENERAL REQUIREMENTS

Add as an additional section:

301.3 Items not specifically covered. Whenever or wherever a condition is found in any building, lot or premises that, in the opinion of the Fire Official, is not specifically covered by the provisions of this Chapter, but that requires correction or removal for the protection of the occupants or the public, the Fire Official shall order such conditions be corrected or removed and the owner or occupants of such buildings, lots or premises shall comply with such orders.

CHAPTER 5 – FIRE SERVICE FEATURES

Add

505.3 Man door and loading dock door numbers. Each man door and loading dock door shall be numbered starting at the front/street side of the building in a clockwise manner around the building on the interior and exterior sides of each door. This section does not apply to single family residential uses. Numbers shall be a minimum height of 4”.

506.1 Where required. Add an additional paragraph:

All buildings equipped with automatic fire alarm systems and/or automatic fire suppression sprinkler systems shall have installed the approved “Supra” brand key box. The installation of the key box shall be approved by the Fire Official. The key box shall be located not more than six (6) feet above grade at an approved location (street side, outside of door near the FAAP).

506.2 Key box maintenance. Add an additional paragraph:

The property owner(s) and occupant(s) shall be responsible for the proper installation and maintenance of such key boxes, at their expense, and shall agree to indemnify and hold harmless the Elburn & Countryside Fire Protection District, and their officers, employees and agents from any liability with respect to such key boxes.

Add

506.3 Key lock brand. The Kidde Supra key box shall be the brand used.

Add

506.4 Number of key boxes. A second key box shall be required at every fire sprinkler riser room. Additional key boxes may be required at other locations at the discretion of the Fire Official.

Add

506.5 Tamper switches: If the owner desires for the lock box to have a tamper switch tied into the fire alarm system, it shall be connected to the trouble side signaling alarm. Furthermore, the lock box will have a separate zone of its own and be labeled “Lock Box” on the fire alarm enunciator panel. It is preferred to have it connected into the burglar alarm, if available.

Add

507.1.2 Water supply demand changes. Area water supplies shall be studied whenever additional demands will be placed on the water supply by new construction, change in use, or changes in hazard or contents. Standard fire flow calculation methods will be used to make determinations. Upon determination by the Fire Official that inadequate water supplies exist, the Fire Official shall reject any applicable plans and provide the property owner, the water utility, and the building official with a letter listing said deficiencies.

Add:

507.5.3.1 Maintenance. Fire hydrant maintenance on private property shall be maintained in proper operating condition. It is the responsibility of the property owner to bear the cost of all repairs and maintenance of fire hydrants on private property. If maintenance is not completed, the District may impose fines as outlined in this code. Furthermore, if it is deemed a threat to the property to have such hydrant out of service, the District may order repairs to hydrants and pass such costs on to the property owner.

CHAPTER 9 – FIRE PROTECTION SYSTEMS

903.2 Where required. Delete this section and replace with the following:
Approved automatic sprinkler systems shall be installed in new buildings and structures 3,000 square feet and over, unless otherwise specified in Sections 903.2.1.1 through 903.2.11.3. Existing buildings or structures that are remodeled are required to install an approved automatic sprinkler system when the building or structure is 3,000 square feet or more, or per the 2015 Edition of the International Existing Building Code, whichever is more stringent, unless otherwise specified in Sections 903.2.1.1 through 903.2.11.3.

Exception: Single family dwellings.

903.2.1.1 Group A-1 is hereby amended by replacing “12,000 square feet” with “3,000 square feet”.

903.2.1.2 Group A-2 is hereby amended by replacing “5,000 square feet” with “3,000 square feet”.

903.2.1.3 Group A-3 is hereby amended by replacing “12,000 square feet” with “3,000 square feet”.

903.2.1.4 Group A-4 is hereby amended by replacing “12,000 square feet” with “3,000 square feet”.

903.2.1.5 Group A-5 remains the same (which is 1,000 sf).

903.2.3 Group E is hereby amended by replacing “12,000 square feet” with “3,000 square feet”.

903.2.4 Group F-1 items 1 and 3 are hereby amended by replacing both “12,000 square feet and 24,000 square feet” with “3,000 square feet”.

903.2.4.1 Woodworking operations remains the same (which is 2,500 sf).

903.2.7 Group M items 1, 3 and 4 are hereby amended by replacing “12,000 square feet, 24,000 square feet, and 5,000 square feet” with “3,000 square feet”.

903.2.9 Group S-1 items 1, 3 and 4 are hereby amended by replacing “12,000 square feet, 24,000 square feet, and 5,000 square feet” with “3,000 square feet”. Item 5 remains the same (which is 2,500 sf).

903.2.9.1 Repair Garages items 1, 2 and 3 are hereby amended by replacing “10,000 square feet, 12,000 square feet, and 5,000 square feet” with “3,000 square feet”.

903.2.9.2 Bulk storage of tires remains the same (which is 20,000 cubic feet).

903.2.10 Group S-1 Enclosed parking garages is hereby amended by replacing “12,000 square feet” with “3,000 square feet”.

903.2.10.1 Commercial parking garages is hereby amended by replacing “5,000 square feet” with “3,000 square feet”.

903.2.11.1 Stories without openings remain the same (which is 1,500 sf).

903.4.3 Floor Control Valves Delete this section and insert the following:

In multi-story buildings, approved floor control valves with water flow switches shall be provided for each floor. In large multi-tenant buildings, approved control valves with water flow switches shall be provided for each tenant.

Add

903.7 Sprinkler Control Room. An outside entrance for a sprinkler room shall be required on all new construction.

Add as additional sections:

905.12 Diagram. Any building having multiple risers shall have a diagram(s) next to the riser area showing the building and what sections are protected by which risers.

907.1.3 Equipment. Add to this section:

New fire alarm control panels shall be addressable unless otherwise approved by the Fire Official. The equipment shall be capable of having the audio signal silence without resetting the fire alarm control panel.

907.1.3.1 Annunciator panels shall be provided where more than one zone is provided. The panel shall be visible from the building exterior or other approved location.

907.1.3.2 Each tenant space shall be separately zoned. When tenant spaces are protected by one common sprinkler system, smoke detectors (or heat detectors when approved by AHJ) will be installed to provide for zoning.

907.1.3.3 White Strobe. Multiple tenant spaces with a common alarm panel (which is capable of providing separate zoning for each unit) will have a white strobe over the unit’s front door to show activation in a particular unit.

907.1.3.4 Red strobe. A red strobe shall be required over the door to show alarm panel location.

907.2 Where required – new buildings and structures. Add a paragraph:

Notwithstanding any provision of Section 907 and its subsections to the contrary, an approved manual fire alarm signaling system that activates the occupant notification system in accordance with Section 907.5, shall be installed and maintained in all buildings over one (1) story in height or over 1,000 square feet. All sprinkler systems shall be alarmed and the signal shall be sent to an approved monitoring station.

907.2.1 Group A. Delete “300” and replace with “50”.

907.2.2 Group B. Delete “500” and “100” and replace with “50”.

907.2.4 Group F. Delete “500” and replace with “50”.

907.2.7 Group M. Delete “500” and “100” and replace with “50”.

Table 907.5.2.3.2 Visible Alarms. Change “6 to 25” to read “1 to 25”.

907.9 Where required in existing buildings and structures. Add a paragraph:

Notwithstanding any provision of Section 907 and its subsections to the contrary, an approved manual fire alarm signaling system that activates the occupant notification system in accordance with Section 907.5, shall be installed and maintained in all buildings over one (1) story in height or over 1,000 square feet. All sprinkler systems shall be alarmed and the signal shall be sent to an approved monitoring station.

914.6 Stages. Delete exception #2 to Section 914.6.1.

AMENDMENTS TO THE 2015 INTERNATIONAL BUILDING CODE (IBC) **CHAPTER 1 – SCOPE AND ADMINISTRATION**

101.1 Title. Insert the following as the Name of Jurisdiction: “Elburn & Countryside Fire Protection District”.

101.2.1 Appendices. Delete this section and insert the following:
Provisions in appendices apply and are adopted with this code.

CHAPTER 2 - DEFINITIONS

Delete the stated definition of Townhouse and substitute therefore:

TOWNHOUSE. A single family dwelling unit constructed in a group of three, four, five or six attached units in which each unit extends from foundation to roof and with open space on at least two sides. Dwelling units where more than six units are attached shall be governed by code provisions applicable to multiple family dwellings, rather than the provisions of this one and two family dwelling code.

CHAPTER 9 – FIRE PROTECTION SYSTEMS

903.2 Where required. Delete this section and replace with the following:

Approved automatic sprinkler systems shall be installed in new buildings and structures 3,000 square feet and over, unless otherwise specified in Sections 903.2.1.1 through 903.2.11.3.

Existing buildings or structures that are remodeled, are required to install an approved automatic sprinkler system when the building or structure is 3,000 square feet or more, or per the 2015 Edition of the International Existing Building Code, whichever is more stringent, unless otherwise specified in Sections 903.2.1.1 through 903.2.11.3.

Exception: Single family dwellings.

903.2.1.1 Group A-1 is hereby amended by replacing “12,000 square feet” with “3,000 square feet”.

903.2.1.2 Group A-2 is hereby amended by replacing “5,000 square feet” with “3,000 square feet”.

903.2.1.3 Group A-3 is hereby amended by replacing “12,000 square feet” with “3,000 square feet”.

903.2.1.4 Group A-4 is hereby amended by replacing “12,000 square feet” with “3,000 square feet”.

903.2.1.5 Group A-5 remains the same (which is 1,000 sf).

903.2.3 Group E is hereby amended by replacing “12,000 square feet” with “3,000 square feet”.

903.2.4 Group F-1 items 1 and 3 are hereby amended by replacing both “12,000 square feet and 24,000 square feet” with “3,000 square feet”.

903.2.4.1 Woodworking operations remains the same (which is 2,500 sf).

903.2.7 Group M items 1, 3 and 4 are hereby amended by replacing “12,000 square feet, 24,000 square feet, and 5,000 square feet” with “3,000 square feet”.

903.2.9 Group S-1 items 1, 3 and 4 are hereby amended by replacing “12,000 square feet, 24,000 square feet, and 5,000 square feet” with “3,000 square feet”. Item 5 remains the same (which is 2,500 sf).

903.2.9.1 Repair Garages items 1, 2 and 3 are hereby amended by replacing “10,000 square feet, 12,000 square feet, and 5,000 square feet” with “3,000 square feet”.

903.2.9.2 Bulk storage of tires remains the same (which is 20,000 cubic feet).

903.2.10 Group S-1 Enclosed parking garages is hereby amended by replacing “12,000 square feet” with “3,000 square feet”.

903.2.10.1 Commercial parking garages is hereby amended by replacing “5,000 square feet” with “3,000 square feet”.

903.2.11.1 Stories without openings remain the same (which is 1,500 sf).

Add

903.6 Sprinkler Control Room. An outside entrance for a sprinkler room shall be required on all new construction.

907.2 Where required – new buildings and structures. Add a paragraph:

Notwithstanding any provision of Section 907 and its subsections to the contrary, an approved manual fire alarm signaling system that activates the occupant notification system in accordance with Section 907.5, shall be installed and maintained in all buildings over one (1) story in height or over 1,000 square feet. All sprinkler systems shall be alarmed and the signal shall be sent to an approved monitoring station.

907.2.1 Group A. Delete “300” and replace with “50”.

907.2.2 Group B. Delete “500” and “100” and replace with “50”.

907.2.4 Group F. Delete “500” and replace with “50”.

907.2.7 Group M. Delete “500” and “100” and replace with “50”.

Table 907.5.2.3.2 Visible Alarms. Change “6 to 25” to read “1 to 25”.

AMENDMENTS TO THE 2015 INTERNATIONAL RESIDENTIAL CODE (IRC)
CHAPTER 1 – SCOPE AND ADMINISTRATION

101.1 Title. Insert the following as the Name of Jurisdiction: “Elburn & Countryside Fire Protection District”.

101.2.1 Appendices. Delete this section and insert the following:
Provisions in appendices apply and are adopted with this code.

CHAPTER 2 – DEFINITIONS

Delete the stated definition of Townhouse and substitute therefore:

TOWNHOUSE. A single family dwelling unit constructed in a group of three, four, five or six attached units in which each unit extends from foundation to roof and with open space on at least two sides. Dwelling units where more than six units are attached shall be governed by code provisions applicable to multiple family dwellings, rather than the provisions of this one and two family dwelling code.

Revise R302.2 to read

R302.2 Townhouses. Each townhouse, as defined in this code, shall be constructed as a separate single-family dwelling unit and shall be separated by a minimum of an approved 2 hour rated masonry wall or similar material which shall extend vertically from the foundation to the undersigned of the roof sheathing and horizontally the full length of the common wall. The number of single family dwelling units attached in this manner shall not exceed six (6).

Revise R302.3 to read

R302.3 Two family dwellings. Dwelling units in two family dwellings shall be constructed as a separate single-family dwelling unit and shall be separated by a minimum of an approved 2 hour rated masonry wall or similar material which shall extend vertically from the foundation to the undersigned of the roof sheathing and horizontally the full length of the common wall. Floor/ceiling assemblies shall extend to and be tight against the exterior wall, and wall assemblies shall extend from the foundation to the undersigned of the roof sheathing and shall extend the full length of the common wall. Exception: When the complete building is provided with an approved residential fire sprinkler system, an approved 2 hour rated UL listed assembly can substitute for the 2 hour rated masonry wall.

Revise R302.6 to read

R302.6 Dwelling/garage fire separation. The garage shall be separated from the residence and any attic area by not less than 5/8 inch type X gypsum board tape and compound. Where the separate is a floor-ceiling assembly, the structure supporting the separation shall be protected by not less than 5/8 inch type X gypsum board with one coat of approved joint tape and compound or equivalent. The garage floor shall be poured a minimum of 4 inches below the top of the found to form a gas curb on any wall of the garage abutting the house.

Delete Table R302.6.

R313.1 Townhouse automatic fire sprinkler system. Change the word “shall” to “may”.

R313.2 One and two-family dwellings automatic fire systems. Change the word “shall” to “may”.

Section 2: ECFPD hereby adopts the following requirements for the installation of flexible gas piping system utilizing Corrugated Stainless Steel Tubing (CSST):

A. Proof of Certification that the installers have received training on the installation of CSST shall be provided to the Fire Marshal along with the submittal documents. Plans will not be approved, nor will be permits be issued, without training certification cards for each installer.

B. The flexible gas piping system shall comply with, and maintain IAPMO and ICC listings to ICC-ES PMG LC1027 '*Listing Criteria for Protective Jacketed Corrugated Stainless Steel Tubing (Minimum 36 Coulomb Charge Transfer)*'. Flexible gas piping system also to be listed by CSA to ANSI LC-1/CSA 6.26 standard '*Fuel Gas Piping Systems Using Corrugated Stainless Steel Tubing*'. Flexible gas piping shall also comply with NFPA 54 (International Fuel Code) and NFPA 70 (National Electric Code).

C. Materials shall be metallically shielded CSST manufactured from ASTM A240 Type-304 stainless steel with a minimum nominal wall thickness of 0.01". Tubing jacket to be multi-layer, consisting of a metal shield between two polymer layers as well as being UV-Resistant, and achieving ASTM E84 ratings of (25) for flame spread and (50) for smoke density. Mechanical fittings are to be manufactured from ASTM B16 Type-360 brass and of design which provides electrical continuity between the CSST's metal shield and the brass fitting. Brass fittings also to include a jacket contact feature to provide a contact seal between the fitting assembly and outer polymer layer of the CSST.

D. The CSST gas piping system and piping systems containing one or more segments of CSST shall be bonded to the electrical service grounding electrode system. The bonding jumper shall not be smaller than six AWG copper wire or equivalent. The length of the bonding jumper between the connection to a gas piping system and the connection to a grounding electrode system shall not exceed 75 feet.

E. The contractor must furnish a signed "Contractor's Material and Training Certificate" attached as Exhibit A before a final inspection is approved.

Section 3: ECFPD hereby adopts the 2017 Edition of the NFPA Standard 70 (NEC), specifically referencing Article 690 (Photovoltaic Systems) and Article 691 (Large-Scale Photovoltaic Electric Power Production Facility, and the 2015 Edition of ISEP (International Solar Energy Provisions), which are widely recognized throughout the United States and have included safety requirements for the installation of solar photovoltaic systems since before the 1996 edition. ECFPD believes that the proposed standards will promote public safety and the safety of their respective personnel.

Section 4: Copies of said codes, as amended, have been and are on file in the office of the Administrative Assistant of the Board of Trustees of the Elburn & Countryside Fire Protection District Station One, located at 200 East Route 38, Elburn, Illinois.

Section 5: If there is any conflict between the language of this Ordinance and the language of the aforesaid codes, the more restrictive language shall prevail.

Section 6: That Ordinance No. 2017-2 of the Elburn & Countryside Fire Protection District entitled Fire Prevention Ordinance and all other ordinances or parts of ordinances in conflict herewith are hereby repealed.

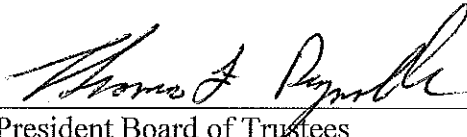
Section 7: That if any section, subsection, sentence, clause or phrase of this ordinance is, for any reason, held to be unconstitutional, such decision shall not affect the validity of the remaining portions of this ordinance.

Section 8: That Resolution No. 2012-R-105 of the Elburn & Countryside Fire Protection District entitled Resolution Adopting the 2011 Edition – National Fire Protection Association (NFPA) Standard Number 70 (National Electric Code) Including Article 690 (Solar Photovoltaic Systems), and all other resolutions or parts of resolutions in conflict herewith are hereby repealed.

Section 9: That the Administrative Assistant of the Elburn & Countryside Fire Protection District is hereby ordered and directed to cause this ordinance to be published.

Section 10: All ordinances imposing any penalty shall, within one month after they are passed, be published at least once in a newspaper published in said district, and no such ordinance, shall take effect until ten days after it is so published or posted, and all other ordinances and resolutions shall take effect from and after their passage unless otherwise provided therein.

Adopted this 11th day of February, 2019.



President Board of Trustees

ATTEST:



Secretary Board of Trustees



AYES: 5

NAYES: 0

ABSENT: 0

STATE OF ILLINOIS)
) SS
COUNTY OF KANE)

SECRETARY'S CERTIFICATE

I, James Childress, the duly qualified and acting Secretary of the Board of Trustees of the Elburn & Country side Fire Protection District, Kane County, Illinois, do hereby certify that attached hereto is a true and correct copy of an Ordinance entitled:

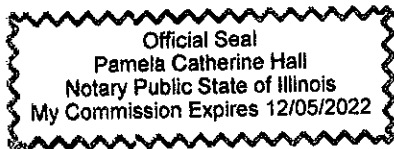
ORDINANCE NO. 2019-01
ELBURN & COUNTRYSIDE FIRE PROTECTION DISTRICT
AMENDING FIRE PREVENTION ORDINANCE

which Ordinance was adopted by said Board at its meeting on the 11th day of February, 2019.

I do further certify that a quorum of said Board of Trustees was present at the said meeting, and that the Board complied with all requirements of the Illinois Open Meetings Act.

IN WITNESS WHEREOF, I have hereunto set my hand this 11th day of February, 2019.

(SEAL)



James Childress
Secretary, Board of Trustees
Elburn & Countryside Fire Protection District
Elburn, Kane County, Illinois

Elburn and Countryside Fire Protection District

Fire Prevention Bureau
200 East Route 38
Elburn, IL 60119
630-365-6855

Contractor's Material & Training Certificate

PROPERTY INFORMATION:

Name: _____
Address: _____
Owner Name: _____
Owner's Address (if different than above): _____
Owner's Phone: _____

DATE: _____

E-mail: _____

CONTRACTOR:

Company Name: _____
Company Address: _____
Contact Person (Designer): _____
Contractor License #: _____
Phone: _____

Fax: _____

E-mail: _____

Training Certificate Attached: _____
If no, explain why not: _____
Date of Training: _____

Yes No

Building Use:

- 1 or 2 Family
 Townhouse
 Other

Codes Referenced:

- NFPA 70 *National Electrical Code*
 NFPA 54 *International Fuel Gas Code*
 IFC *International Fire Code*
 IMC *International Mechanical Code*
 IPC *International Plumbing Code*
 ECFPD Local Ordinances
 Other _____

Complies with:

ICC-ES PMG LC1027: Yes No
If no, explain why not: _____
ANSI LC-1: Yes No
If no, explain why not: _____

Plans:

Accepted by approving authorities (list names): _____
Does installation conform to accepted plans? Yes No
Equipment used is approved? Yes No
If no, explain deviations: _____
Notes/Info. _____

Location:

Where is CSST installed? _____

Number of stories in the building: _____

Is there a basement? Yes No

Materials:

Brand name of CSST: _____
How many layers is CSST? _____
Describe materials/design of CSST: _____
Flame Spread Rating: _____
Smoke Density Rating: _____
Notes/ Additional comments: _____

Bonded:

Gas piping system bonded? Yes No
How? _____
Where? _____

Testing:

Was each line tested for leaks? Yes No
If no, explain why not: _____
Describe test method: _____
Who witnessed tests: _____

Certification:

Do you certify as the installer of the CSST that procedures and materials used comply with the minimum requirements of codes and standards listed above? Yes No
Notes/ Additional comments: _____

Submitter

Date

Elburn and Countryside Fire Protection District

Fire Prevention Bureau
200 East Route 38
Elburn, IL 60119
630-365-6855

Solar System Submittal Form

PROPERTY INFORMATION:

Building Name: _____

Building Address: _____

Owner Name: _____

Owner's Address: _____

Owner's Phone _____

Fax: _____

E-mail: _____

SYSTEM DESIGNER/CONTRACTOR:

Company Name: _____

Company Address: _____

Contact Person (Designer): _____

Contractor License #:

Phone: _____

Fax: _____

E-mail: _____

ELECTRICIAN:

Company Name: _____

Company Address: _____

Contact Person: _____

Contractor License #:

Phone: _____

Fax: _____

E-mail: _____

Building Use:

- Commercial
- 1 or 2 Family
- Townhouse
- Other

Codes Referenced:

- 2017 NFPA 70 *National Electrical Code*
- 2015 IFC *International Fire Code*
- 2015 IFC Section 605.11 *Solar photovoltaic power systems*
- ECFPD Local Ordinances
- 2003, 2012, 2015 IRC (Edition based on village or Kane County requirements)
- Other _____

Type of Solar System:

Photovoltaic - Type of Inverter:

Grid Tie Inverter: PV System tied directly to the electrical grid (Remote Disconnect Required for Fire Personnel).

Off Grid Inverter: PV System is stand alone or off electrical grid (Remote Disconnect Required).

On/Off Grid Inverter: PV is tied directly to electrical grid and has battery backup (Remote Disconnect Required).

Thermal:

Notes/Info. _____

Location of Solar Panel System:

- Ground Mounted solar system
- Roof Mounted solar system
 - Existing Roof Material

Required submittals to be included:

- Construction documents sealed by licensed architect or structural engineer, including: drawings and specifications, sealed structural layouts, foundations, sections and calculations.
- Cut sheets provided
- Wiring diagrams provided showing interior/exterior locations
- Location(s) of plaques and directories provided
- Location(s) of electrical panels
- Location(s) of new wiring for the panels
- Automatic disconnect location and cut sheets
- Automatic disconnect location and cut sheets
- Storage battery system information with remote disconnect information/location
- If roof mounted system, provide review of existing structure, panels and panel anchorage by a State of Illinois licensed architect or structural engineer.
- Is system grounded? _____
- Are Markings and Labeling provided per NEC 690? _____. Location(s): _____

Total number of solar modules being installed: _____
Total number of solar modules per string: _____
Total number of arrays: _____
Size of solar photovoltaic array: _____
Size of solar photovoltaic array: _____
Total weight of Solar Electric Modules & Rails _____ lbs.
Total Surface Area of Solar Electric Module (square feet): _____
System capacity in kW-DC: _____

Does this installation contain a storage battery system? _____. If so, supply installation requirements for the batteries and the location of the batteries.
Remote disconnect accessible by the fire department? _____. Location: _____
Access and pathways provided for fire department? _____. Location(s): _____

Number of stories in the building:

One Two Three Four Five "High Rise" (>75ft.) Total # of Floors _____
Is there a basement? Yes No

Height of Solar Panel(s):

Other _____
Highest Point _____

Notes/ Additional comments:

Submitter

Date