

AN ORDINANCE AMENDING
CHAPTERS 7, 21, 22, 23, 24, 25, 26, 27, 28 AND 29
OF THE ARLINGTON HEIGHTS MUNICIPAL CODE

WHEREAS, the Building Code Review Board of the Village of Arlington Heights, has recommended amendments to Chapter 23, Building Regulations; Chapter 24, Plumbing Regulations; Chapter 25, Electricity Regulations; Chapter 26, Property Maintenance; and Chapter 27, Fire Regulations of the Arlington Heights Municipal Code, which includes adoption by reference of the 2018 editions of the International Residential Code, International Building Code, International Mechanical Code, International Existing Building Code, International Fuel Gas Code, International Swimming Pools and Spa Code, the 2017 National Electrical Code, and the State of Illinois Plumbing Code, all with certain amendments thereto; and

WHEREAS, in addition to the aforementioned amendments, in order to implement certain Building Code Review Board recommendations, amendments to additional chapters of the Municipal Code are necessary, which include: Chapter 7, Other Village Government Provisions; Chapter 21, Water; Chapter 22, Sewers; Chapter 28, Zoning Regulations; and Chapter 29, Subdivision Control Regulations, of the Arlington Heights Municipal Code; and

WHEREAS, pursuant to the recommendation of the Building Code Review Board, the President and Board of Trustees desire to update the Arlington Heights Municipal Code by adopting the aforementioned 2018 editions of the International Residential Code, International Building Code, International Mechanical Code, International Existing Building Code, International Fuel Gas Code, International Swimming Pools and Spa Code, the 2017 National Electrical Code, and the State of Illinois Plumbing Code, all with certain amendments thereto, as well as amendments to certain chapters of the Arlington Heights Municipal Code; and

WHEREAS, in compliance with the provisions of the Illinois Municipal Code, 65 ILCS 5/1-3-2, three copies of the listed Codes have been filed in the Office of the Village Clerk for 30 days prior to adoption of this Ordinance and shall remain there for public use and inspection; and

NOW, THEREFORE, BE IT ORDAINED BY THE PRESIDENT AND BOARD OF TRUSTEES OF THE VILLAGE OF ARLINGTON HEIGHTS:

SECTION ONE: That Chapter 7, Other Village Government Provisions, of the Arlington Heights Municipal Code, Article XI, Fees, is hereby amended as follows (the language being added is highlighted and the language being deleted is stricken):

a. That Section 7-1104, Building Permit Fees, is hereby amended to read as follows:

Section 7-1104 Building Permit **Related Fees.**

a. The schedule of fees shall be as follows:

1. For single-family construction - .35 cents per square foot of livable area, excluding garage area.

2. For multi-family construction - .70 cents per square foot of livable area, excluding garage area.
3. Industrial or commercial construction – .40 cents per square foot area, with a minimum fee of \$330.
4. Where attached garages are included in the building permit, a fee of \$30 for each garage.
5. For construction of detached garages or accessory buildings, the following fees shall apply:
 - a) When not more than 300 square feet of area: \$35
 - b) More than 300 square feet of area: \$70
6. For alteration, addition or repair of any building, the following fee shall apply: \$11 per thousand dollars of project market value cost.
7. For demolition, the fee shall be computed at the rate of \$125 for each floor of such building or structure including single-family, commercial and accessory structures.
8. There shall be no fee for the initial inspections of the Building, Electrical and Plumbing Departments. There shall be a fee of \$50 for each subsequent inspection required by these regulations.
9. Architectural Review Fee: \$25
10. For a Certificate of Occupancy, the fee shall be \$60 for each Certificate for single-family dwellings and \$120 for multi-family dwellings, commercial, and industrial uses. For a temporary occupancy certificate, a fee of \$100 shall be deducted from the cash bond.
11. Plans shall be reviewed by a qualified plan review service for all buildings except single family structures, unless the Director of Building shall determine that the plans are of such a character that the Village departments can adequately review for life safety, fire protection, smoke removal system and other aspects. The cost of this review will be paid by the building permit applicant, in addition to all other related building permits. The plan review fees for all plans reviewed by the Building Department are:

Type	Per Plan
Single Family Residence (SFR)	\$70/hr.
Additions to SFR	\$60/hr.

Garages	\$35/hr.
Decks	\$30/hr.
Business Alterations	\$60/hr.
Industrial Alterations	\$60/hr.
In-Ground Pools	\$45/hr.
New Buildings (except for Single Family Residence)	\$60/hr.

- 12. Fence Fee \$40
- 13. Recreational Basketball Poles/Structures Fee \$25
- 14. Chimney Fee \$40
- 15. Fire Protection Systems Plan Review and Inspection Fees – All **Fire Protection Systems** plan review fees include a primary plan review and a second review. Any project requiring more than the primary and second review shall be billed at an hourly rate of \$70. There shall be a \$50 for each reinspection.

	NEW CONSTRUCTION	EXISTING CONSTRUCTION
Sprinkler systems		
1 to 20	\$110	\$165
21 to 100	\$190	\$250
101 to 300	\$350	\$400
301 to 500+	\$500	\$550
Alarm systems	\$220	\$330
Standpipes	\$80 per standpipe	\$110 per standpipe
Fire pumps (fire pump tests shall be conducted by a licensed contractor provided by the Owner and approved by the Village)	\$110	\$165
Hood systems	\$110	\$165

All reviews and tests required but not listed above shall be charged at the rate of \$70 per hour, regardless of whether it is for new construction or existing construction.

- 16. Fees for Conveyance Systems:
 - a) Upon the initial inspection of each elevator, dumbwaiter, escalator,

platform lift, chair lift, or moving walk, there shall be a \$100 permit fee for each elevator, dumbwaiter, escalator, platform lift, chair lift, or moving walk in a building of four stories or less, with an additional fee of \$11 per elevator, dumbwaiter, escalator, platform lift, chair lift, or moving walk for each additional floor.

- b) The fee for a load test and inspection of hydraulic elevators shall be \$100 for each elevator.
- c) The fee for a load test and inspection of traction elevators shall be \$110 for each elevator.
- d) The fee for annual inspection of a hydraulic elevator shall be \$100 for each elevator.
- e) The fee for annual inspection of a traction elevator shall be \$100 for each elevator.
- f) The fee for interim inspections of an elevator, dumbwaiter, escalator, platform lift, chair lift, or moving walk due to complaints or inspections due to repairs required by annual inspection or load test shall be \$80.
- g) The fee for annual inspection of a dumbwaiter, escalator, platform lift, chair lift, or moving walk shall be \$100 for each dumbwaiter, escalator, platform lift, chair lift, or moving walk.
- h) An additional charge of \$165 per elevator, dumbwaiter, escalator, platform lift, chair lift, or moving walk shall be made for the initial review of plans and initial inspection.

17. Plumbing Fees:

- a) Inspection of plumbing fixtures and appurtenances, requiring supply, drainage and vent piping, installed in new buildings or in addition to existing buildings, shall be \$10 for each fixture, with a minimum fee of \$65.
- b) Inspection of fixtures replacing others, and fees for the installation of fixtures in existing buildings, shall be \$10 for each fixture.
- c) Installation of a water heater is \$25.

18. Electrical Fees: For the inspection of ~~original installations in a single-family residence including~~ all circuits, fixtures, receptacles and equipment, the fee shall be:

Interior floor area, exclusive of attic and/or basement:

0 to 499 square feet	\$ 60
500 to 799 square feet	\$ 70
800 to 1599 square feet	\$ 80
1600 to 2399 square feet	\$ 90
2400 to 2999 square feet	\$100
3000 to 3599 square feet	\$110
3600 to 4299 square feet	\$120
4300 square feet & over	\$155

Service Size

100 ampere service	\$ 65
200 ampere service	\$ 75
400 ampere service	\$ 95
600 ampere service	\$105
800 ampere service	\$125
1000 ampere service	\$125
1200 ampere service	\$145
1600 ampere service	\$180
2000 ampere service	\$200
3000 ampere service	\$220
4000 ampere service	\$240

15 and 20 Ampere Branch Circuits

0 - 50 circuits	\$ 9 each
51 – or more circuits	\$ 5 each

Branch Circuits Exceeding 20 Amperes

All circuits	\$ 18 each
--------------	------------

Motor or Device

1 st motor or device	\$ 16
Each additional	\$ 6

Minimum fee	\$ 40
Temporary wiring	\$ 40
Extra inspection fee	\$ 40
Carnivals	\$ 40
Vaults-except utility owned	\$ 40
Burglar alarms	\$ 40
Aural and/or visual communications	\$ 40
Antenna systems	\$ 40

- b. In instances where a building permit was applied for after construction has begun on a project, the amount of the fee shall be ~~four times~~ **double** the original fee set forth in

subsection a.

c. Foundation-Only Permit.

1. The fee for a commercial permit shall be **\$2,500**. ~~20 cents per square foot of foundation, multiplied by the depth of the foundation.~~
2. The fee for a one or two family residential home permit shall be **\$1,000**. ~~10 cents per square foot of foundation, multiplied by the depth of the foundation.~~

d. Early-start permits shall apply to partial work or phased construction projects. The fee for such permits shall be an additional 50% of the original permit fee.

~~e. A service fee in the amount of \$50 shall be charged for failure to call for any required inspections six months after permit expiration.~~

b. That the following sections are hereby added to Article XI, Fees:

Section 7-1114 Building Code Review Board Fees. An application fee in the amount of **\$110** shall be paid by any applicant filing an appeal to the Building Code Review Board.

Section 7-1115 Fireworks Display Fees. All applications for fireworks displays shall be accompanied by a fee of **\$115**.

SECTION TWO: That Section 21-104, Permits, in Chapter 21, Water, of the Arlington Heights Municipal Code is hereby amended to read as follows (the language being added is highlighted and the language being deleted is stricken):

Section 21-104 Permits. All applications for permits as required by provisions of this Chapter shall be made to the Director of Building. Permits shall be issued and work shall be performed in accordance with this chapter as well as Chapters 20 and **23** ~~24~~ of this Code.

SECTION THREE: That Section 22-402, Construction Specifications, in Chapter 22, Sewers, of the Arlington Heights Municipal Code is hereby amended to read as follows (the language being added is highlighted and the language being deleted is stricken):

Section 22-402 Construction Specifications. All septic tanks shall be constructed, inspected, tested, approved, maintained or closed up and abandoned, pursuant to the applicable provisions of Chapter **23** ~~24~~, and the latest Cook County Health Department Standards.

SECTION FOUR: That Chapter 23, Building Regulations, of the Village of Arlington Heights Municipal Code is hereby amended by deleting in its entirety and substituting in lieu thereof with the following:

Article I General Provisions

Section 23-101 Purpose. The purpose of Chapter 23 of the Municipal Code is to establish minimum standards of construction for buildings and structures and enforcement rights of such standards to the Village.

Section 23-102 Other Jurisdictions. Nothing in Chapter 23 shall be construed to negate applicable standards of other jurisdictions.

Section 23-103 General Lot Grade Maximums. No lot shall be graded in such a manner as to raise the grade of such lot to any point higher than a continuous grade level between the grades of the lots on either side abutting such lot.

Section 23-104 Altering Grade Levels.

- a. All foundation grades shall be established in such a manner as to achieve the free, natural and unobstructed flow of surface water.
- b. No grades within the Village shall be disturbed or otherwise altered, except as allowed pursuant to a permit issued by the Director of Building. No person shall, during the course of construction, alter or permit or cause to be altered the grade of any lot in a manner which will permit or cause the draining of said lot in a manner to cause flooding on an adjoining lot or otherwise change or divert the natural flow of water in a manner deleterious to any other property.

Section 23-105 Conformity with Lot Grading Plan. If, during construction of any building, the Village finds that non-conformity with the lot grading plan on file is causing or is likely to cause flooding of any adjoining lot, the Village may issue a written order requiring compliance with such grading plan within ten days. If such order is not complied with, the Village may issue an order stopping all work on such building.

Section 23-106 Soil Erosion and Sediment Control. In order to prevent damage and maintenance to downstream storm water facilities and other properties, including public streets, the grading plan required with every application for a building permit shall contain soil erosion and sediment control measures. These may include locations and details of soil stockpiles, detention facilities, temporary and permanent berms, other structural or vegetative control devices and statements of procedure. The area of land stripped of vegetation shall be kept minimal. If uncovered land presents an environmental hazard, immediate corrective action shall be required. If during the construction of any building or during the preparation or grading of any site, the Village finds that non-conformity with the plan on file is causing or is likely to cause damage or require maintenance to downstream storm water facilities or other properties, the Village may issue a written order requiring immediate compliance. If that order is not complied with, the Village may issue an order stopping all work on such site or building.

These provisions shall be supplemental to the requirements of Chapter 28 "Zoning Regulations" and Chapter 29 "Subdivision Regulations" of this Code with respect to any

planned development or subdivision approval.

Section 23-107 Construction Operations.

- a. Construction, demolition, or remodeling activity on private property that generates loud or disruptive noises shall not start before 7:00 a.m. Monday through Friday and 8:00 a.m. on Saturdays and Sundays. Activities shall cease each day no later than 7:00 p.m. Monday through Friday and 6:00 p.m. on Saturdays and Sundays. Exceptions to this provision may only be granted by the Village Manager.
- b. No sidewalk shall be obstructed in the course of building operations without a special permit from the Director of Public Works. Whenever removal of a sidewalk is required, such work shall not be done until a permit is secured from the Director of Public Works. When sidewalks are removed, proper barricading and notification to pedestrians well in advance of the sidewalk being removed shall be provided.
- c. Vehicular traffic to and from a construction site shall not use adjacent residential streets when reasonable alternative access to the site is available and the entrances to such residential streets have been posted, at the direction of the Village Manager, with signs prohibiting construction traffic. Traffic and deliveries shall at no time block driveway access to any adjacent properties unless specific permission has been granted by the affected property owner. When necessary, proper barricading or flaggers shall be utilized when two-way traffic is restricted.
- d. Streets used by vehicles exiting from a construction site shall be kept free of dust, dirt, mud, stones, and other debris from the site. The holder of a building permit shall take all reasonable measures to prevent deposit of debris on the streets and shall cause any such debris to be removed from the streets adjoining the construction site. At a minimum, streets shall be cleaned of debris at least two times during each day's operations and at the end of the day. Streets shall be cleaned at such additional times or as required to keep the streets safe for use, upon notice given by an agent of the Village to the supervisor of the construction site.

If any holder of a building permit fails to remove the dust, dirt, mud, stones or other debris from a street within two hours after notice by the Village, the Village may remove such material and charge the holder of the building permit with the reasonable cost of removal. The Village's action in removing the material shall not bar any enforcement procedures otherwise available to the Village.

- e. Construction or remodeling activities shall always include appropriate provisions to protect adjacent properties. Under no circumstances shall these construction or remodeling activities use an adjacent property for access, storage or discharge of construction related debris or materials. If an adjacent property must be used for access, written permission of the property owner must be filed with the Director of Building prior to the initiation of that use.

Section 23-108 Violations.

- a. Any person, firm, corporation or other business entity violating any of the provisions of Chapter 23 or deviating from any plans duly approved and issued by the Director of Building without first obtaining written authorization may be fined not less than \$50 and not more than \$750, notwithstanding any other civil or criminal penalties, charges, actions, or proceedings then and there enforceable by any other individual or governmental authority.
- b. The imposition of the penalties herein prescribed shall not preclude the Village from instituting appropriate legal action to prevent unlawful construction or to restrain, correct or abate a violation, or to prevent illegal occupancy of a building, structure or premises or to stop an illegal act, conduct business or use of a building or structure on or about any premises.

Section 23-109 Notices and Orders. Any person who violates a notice or order, including a stop work order, may be subject to a fine of not less than \$50 nor more than \$750.

Section 23-110 Exception. The provisions of the building regulations of the Village shall not apply to the construction of horse stables, utilized in connection with any racetrack subject to the regulations of the Illinois State Racing Board, if such stables are constructed of non-combustible material.

Section 23-111 Severability. If any provision or clause of this Article or application thereof to any person or circumstances is held invalid, such invalidity does not affect other provisions or applications of the Article which can be given effect without the invalid provision or application.

Article II
Regulations and Standards for One- and Two-Family Dwellings

Section 23-201 Adoption of the 2018 International Residential Code and Appendices for One- and Two-Family Dwellings. There is hereby adopted by reference the 2018 Edition of the International Residential Code for One- and Two-Family Dwellings (IRC), including Appendices J, K, M, and O, except as modified by Section 23-202 of this Article. In the event that a detail of the construction or regulation is not covered by the 2018 Edition of the International Residential Code, the provisions of Article III of this Chapter shall apply.

Section 23-202 Modification by Amendment and Deletion of Various Sections of the International Residential Code. The 2018 Edition of the IRC adopted by this Article is modified for use in the Village by the following amendments, which amendments are given articles and section numbers identical to the IRC. To the extent any provision of the IRC conflicts with any provision of the Arlington Heights Municipal Code, the Municipal Code provision will apply.

R101.1 Title.

Insert 'The Village of Arlington Heights' as [NAME OF JURISDICTION].

R101.2 Scope.

Delete the entire Exception.

R105.2 Work exempt from permit.

Delete the following list items:

Building:

List items 1, 2, 3, 4, 5, and 10.

Electrical:

List item 2.

Plumbing:

List items 1 and 2.

Modify the following list items:

Building:

List item 6 shall read as follows: Painting, papering, tiling, carpeting, countertops, kitchen or bathroom upper cabinets, cabinets in rooms other than kitchens or bathrooms, exterior siding and gutters, and roof coverings.

Electric:

List item 3 shall read as follows: Replacement of non-circuit breaker type overcurrent devices.

R109.1.1 Foundation inspection.

Delete the entire subsection and replace with:

R109.1.1 Required inspections.

All inspections required by the Village shall be requested by the permit holder and shall be approved in accordance with subsection R109.4

R109.1.2 Plumbing, mechanical, gas and electrical system inspection.

Delete the entire subsection.

R109.1.3 Floodplain inspections.

Delete the entire subsection.

R109.1.4 Frame and masonry inspection.

Delete the entire subsection.

R109.1.5 Other inspections.

Delete the entire subsection.

R109.1.5.1 Fire-resistance-rated construction inspection.

Delete the entire subsection.

R109.1.6 Final inspection.

Delete the entire subsection.

R109.1.6.1 Elevation documentation.

Delete the entire subsection.

R110.3 Certificate issued.

Delete list items number 3, 5, and 8.

Section R112 Board of Appeals.

Delete this Section in its entirety.

Table R301.2(1) Climatic and Geographic Design Criteria.

Insert the following values corresponding to the listed criteria:

Ground Snow Load - 25 psf

Wind Design:

Speed(mph).....	115
Topographic effects.....	No
Special wind region.....	No
Windborne debris zone.....	No

Seismic Design Category.....A

Subject To Damage From:

Weathering.....	Severe
Frost Line Depth.....	42 inches
Termite.....	Moderate to Heavy

Winter Design Temp.....-4° F

Ice Barrier Underlayment Required.....Yes

Flood Hazards.....

- a. November 6, 2000;
- b. August 19, 2008;
- c. August 19, 2008 (all panels) Panel Numbers—0044J, 0063J, 0064J, 0182J, 0184J, 0192J, 0201J, 0202J, 0203J, 0204J, 0211J, 0212J.

Air Freezing Index.....2000

Mean Annual Temp..... 47.6° (Waukegan 4 WSW station)

Table R301.2(1) Climatic and Geographic Design Criteria.

Delete the Manual J Design Criteria table.

R302.14 Combustible insulation clearance.

Delete the last sentence.

R305.1.1 Basements.

Delete main subsection (Exception shall remain) and replace with:

Portions of *basements* that do not contain *habitable space* or hallways shall have a ceiling height of 7 feet 2 inches as measured from the top of the concrete floor to the underside of the ceiling or floor joists above. Additional floor and/or ceiling finishes shall not reduce this value to less than 7 feet in accordance with R305.1 even if not defined as *habitable space* or hallway.

Add the following subsection:

R309.6 Exterior walk through door. Enclosed detached garages shall have at least one exterior walk through door which shall be side hinged and provide a clear width of not less than 32 inches where measured between the face of the door and the stop, with the door open 90 degrees (1.57rad). The clear height of the door opening shall be not less than 78 inches (1981mm) measured from the top of the threshold to the bottom of the stop. The door shall not rely on electrical power for operation, and shall be readily openable from the inside without the use of a key or special knowledge or effort.

R310.4 Bars, grilles, covers, and screens. Replace the existing language with:

Where bars, grilles, covers, screens, or similar devices are placed over emergency escape and rescue openings, area wells that serve an emergency escape and rescue opening, and/or window wells that serve an emergency escape and rescue opening, the minimum net clear opening size shall comply with Sections R310.2.1 through R310.2.3, and such devices shall be releasable or removable from the inside without the use of a key, tool, special knowledge, and/or force greater than that required for the normal operation of the emergency escape and rescue opening.

Add the following subsection:

R310.4.1 Required covers. Window wells shall be covered with a cover that allows light through, does not allow the passage of a 4-inch diameter sphere, and has a minimum rating of 250 pounds.

R313.2 One- and two-family dwellings automatic fire sprinkler systems. Replace the existing language with:

An automatic residential fire sprinkler system is not required in one- and two-family dwellings, but if installed, shall be done in accordance with R313.2.1.

(The Exception to this subsection remains unchanged).

R319.1 Address Numbers.

Delete this Section in its entirety and replace with the following:

1. New and existing buildings shall be provided with approved addresses. It shall be the duty of the owners of every building in the Village to have placed thereon the assigned numbers above the door which is the principal entrance fronting on the street, or where no street exists, the assigned numbers shall be above or on the principal entrance to the building via an alley, driveway, parking lot, fire lane, or other improved right-of-way. The assigned numbers shall be Arabic numerals at least six inches high and of such size and shape so as to be easily visible from the street, alley, driveway, parking lot, fire lane, or improved right-of-way. The

Arabic numerals shall be constructed of a durable material which contrasts with the background upon which the assigned numbers are affixed.

2. The practice of affixing numbers in script or word form is not prohibited; however, the Arabic numerals required herein must be affixed on or over the principal entrance.
3. In any instance where numbers located on the principal entrance of the building are not easily visible and identifiable from the street, alley, driveway, parking lot, fire lane, or other improved right-of-way upon which the principal entrance fronts, the Building and Fire Departments may require a monument, pole or other such additional numbering signs or placards on or about the building and premises as necessary to ensure that such buildings are easily identifiable from the street, alley, driveway, parking lot, fire lane, or other improved right-of-way.
4. The names of all new buildings and developments shall not include any numerical references in vanity addresses or in identifying the buildings or development name unless the numerical references and name are the property number and actual street address assigned by the Village.

R401.1 Application.

Delete everything after the second sentence.

R402.1 Wood foundations. Replace the existing language with:

Wood foundation systems shall not be used. Any reference to wood foundation systems, including but not necessarily limited to, footings, fasteners, and/or wood treatment for wood foundation systems contained in this Code shall not be used. Where any conflicts may arise, the Building Official is authorized to make a final determination.

R403.1 General. Remove the following language from the first sentence.

crushed stone footings, wood foundations,

R403.1 General. Add the following language to the end of the paragraph.

Also, concrete stairways with three or more risers placed as a single structure which serve the primary dwelling shall be provided with a footing in accordance with this Section.

R403.1 General. Add the following Exception to this Section.

Exception: Storage sheds that are 100 square feet or less are not required to be supported on a footing.

R403.4.1 Crushed stone footings. Remove this Section in its entirety and do not replace.

R404.1.5.3 Pier and curtain wall foundations. Remove this Section in its entirety and do not replace.

R407.3 Structural requirements.

Add the following to the end of the main paragraph:

Steel columns shall be welded to a ½ inch thick base plate that extends beyond the outside edge of the column to allow for the required installation of a minimum of two ½ inch diameter anchor bolts. The minimum plan view dimension of the base plate shall be 4 inches. A concrete floor shall not be used to prevent lateral displacement of a column.

R407.3 Structural requirements.

Delete the Exception to R407.3.

R506.1 General.

Change 3 ½ inches in the first sentence to 4 inches.

R507.3.2 Minimum depth. Delete Exceptions 1 and 2, and add the following new Exception 1:

1. Free-standing decks that are not directly accessible from a door of the primary building need not be provided with footings that extend below the frost line.

Table R602.3(5) Size, Height and Spacing of Wood Studs. Add footnote d. to read:

In kitchens, butler pantries, and similar areas where upper cabinetry will be or is likely to be installed, an adequate means shall be installed for support of such cabinetry. Gypsum board, lath and plaster, and/or stud spacing greater than 16 inches shall not be considered adequate support.

Add footnote d. to all spacing dimensions greater than 16 inches.

Table R602.3(5) Size, Height and Spacing of Wood Studs. Add footnote e. to read:

Newly constructed walls which will contain plumbing drain, waste, and/or vent lines that are installed horizontally through the wall studs, shall be built with a minimum stud size of 2x6.

Add footnote e. to the table title.

R602.10 Wall bracing. Delete the existing language and replace with:

Primary buildings and accessory buildings that shelter automobiles shall be braced using the continuously sheathed wood structural panel method (CS-WSP) listed in Table R602.10.4 in accordance with this Section or shall be designed by a State of Illinois licensed Structural Engineer. Other buildings shall be braced in accordance with this Section or, when applicable, Section R602.12.

Table R602.10.4 Bracing Methods. Replace 3/8" with 1/2" for the minimum thickness of bracing method continuously sheathed wood structural panel.

R801.3 Roof drainage. Delete the following text:

In areas where expansive or collapsible soils are known to exist,

R801.3 Roof drainage. Insert the following after the word *dwelling*s:

and accessory structures with a single roof plane that exceeds 100 square feet

R802.3 Ridge. Replace 1 (inch) with 2.

R803.2.2.1 Allowable Thickness. Wood structural panels used as roof sheathing for new construction and/or new additions of primary buildings and/or accessory buildings that shelter automobiles shall be a minimum of 5/8” thick.

Delete Chapter 11 in its entirety.

Add this subsection:

M1602.3 Return air inlets. Unless approved by the Building Official in writing, non-central return air inlets shall be installed both high and low in each room where return inlets are installed.

Except as noted in a. below, delete Chapter 25 in its entirety.

a. Section P2503.7 shall remain in effect only as referenced by Section P2904.8.1, list item number 8.

Except as noted in a. below, delete Chapter 26 in its entirety.

a. Section P2603.5 shall remain in effect only as referenced by Section P2904.2.3, but subsection 2603.5.1 is deleted.

Delete Chapter 27 in its entirety.

Delete Chapter 28 in its entirety.

Except as noted in a. below, delete Chapter 29 in its entirety.

a. Section P2904 shall remain in effect.

Delete Chapter 30 in its entirety.

Delete Chapter 31 in its entirety.

Delete Chapter 32 in its entirety.

Delete Chapters 34 through 43 in their entirety.

AJ301.1.2 Plumbing materials and supplies.

Delete this Section in its entirety.

AJ301.2 Water closets.

Delete this Section in its entirety.

AJ301.3 Electrical.

Delete this Section in its entirety.

AJ501.5 Electrical equipment and wiring. Delete this Section in its entirety, including all subsections and replace with:

AJ501.5 Specific work types.

AJ501.5.1 Kitchen remodels. Where base cabinets are removed to facilitate a kitchen remodel, the following items must be brought into compliance as noted:

1. Receptacle outlets in the kitchen shall comply with the 2017 National Electric Code sections 210.52(B) and (C).
2. The kitchen sink shall be vented in compliance with the State of Illinois Plumbing Code.
3. Exhaust vents must be terminated to the exterior of the structure.

Exception: The Building Official may waive these requirements where there is practical difficulty in achieving compliance.

AJ601.4 Ceiling height. Delete the existing language in its entirety and replace with:

For buildings that contain *basements* without *habitable space* and/or hallways with ceiling heights not in compliance with this Code for new construction, when an application is submitted to convert the basement to habitable space, the Building Official may grant approval upon review of the project and determination that there are other approved safety features of the space to offset the reduction in ceiling height, but in no case shall a ceiling below 6 feet 7 inches be allowed for use as *habitable space*. Where lay-in tile drop ceilings are installed, the determined ceiling height shall be measured from the finished floor to the bottom side of the ceiling grid.

For buildings that contain basements with habitable space where the existing ceiling height does not conform with this Code for new construction, when an application is submitted to remodel the basement habitable area, the application may be approved if:

- a. The remodel will increase the ceiling height to be compliant with this Code for new construction.
- b. The Building Official grants approval upon review of the project and determination that there are other approved safety features of the space to offset a reduction of a non-compliant ceiling height in conformance with the first paragraph of this Section.
- c. Historical records show that the basement ceiling height as exists was previously approved by the Building Official and the remodel plans do not further reduce the ceiling height.

AK101.1 General.

Add the following sentence to the end:

Walls and floor-ceiling assemblies within the same dwelling unit are not required to meet sound transmission ratings.

Article III Regulations and Standards for Other Than One- and Two-Family Dwellings

Section 23-301 Adoption of the 2018 International Building Code and Appendices for Other Than One- and Two-Family Dwellings. There is hereby adopted by reference the 2018

Edition of the International Building Code (IBC), including Appendix C, except as modified by Section 23-302 of this Article.

Section 23-302 Modification by Amendment and Deletion of Various Sections of the International Building Code. The 2018 Edition of the International Building Code adopted by this Chapter is modified for use in the Village by the following amendments, which amendments are given articles and section numbers identical to the International Building Code. To the extent any provision of the IBC conflicts with any provision of the Arlington Heights Municipal Code, the Municipal Code provision will apply.

[A] 101.1 Title.

Insert ‘The Village of Arlington Heights’ as [NAME OF JURISDICTION].

[A] 105.2 Work exempt from permit.

Delete the following list items:

Building:

List items 1, 2, 3, 4, 5, 6, 9, and 12.

Plumbing:

List items 1 and 2.

Modify the following list items:

Building:

List item 6 shall read as follows: Painting, papering, tiling, carpeting, countertops replaced in kind, upper kitchen or breakroom cabinets, tuck pointing, exterior siding and gutters replaced in kind, and/or reroofing that does not require the modification to plumbing, mechanical, fuel gas, electrical, and/or building systems.

[A] 110.3 Required inspections. Delete the language of the section and replace with:

All inspections required by the Village shall be requested by the permit holder and shall be approved in accordance with subsection [A] 110.6.

[A] 110.3.1 through [A] 110.3.11.1 shall be deleted in their entirety.

[A] 111.2 Certificate issued.

Delete list items number 3, 5, 9, 10, and 11.

Section 113 Board of Appeals.

Delete this Section in its entirety.

[F] 502.1 Address Identification.

Delete the language of this Section in its entirety and replace with the following:

502.1 Address Identification. New and existing buildings shall be provided with approved

addresses in accordance with sections 502.1.1 through 502.1.6.

502.1.1. It shall be the duty of the owners of every building in the Village to have placed thereon the assigned numbers above the door which is the principal entrance fronting on the street, or where no street exists, the assigned numbers shall be above or on the principal entrance to the building via an alley, driveway, parking lot, fire lane, or other improved right-of-way. The assigned numbers shall be Arabic numerals at least six inches high and of such size and shape so as to be easily visible from the street, alley, driveway, parking lot, fire lane, or improved right-of-way. The Arabic numerals shall be constructed of a durable material which contrasts with the background upon which the assigned numbers are affixed.

502.1.2. The practice of affixing numbers in script or word form is not prohibited; however, the Arabic numerals required herein must be affixed on or over the principal entrance.

502.1.3. Each commercial building and multi-family dwelling with a rear or side entrance on an alley, driveway, parking lot, fire lane or improved right-of-way shall have the assigned number or numbers affixed on or over such entrance in Arabic numerals at least six inches high.

502.1.4. In any instance where numbers located on the principal entrance of the building are not easily visible and identifiable from the street, alley, driveway, parking lot, fire lane, or other improved right-of-way upon which the principal entrance fronts, the Building and Fire Departments may require a monument, pole or other such additional numbering signs or placards on or about the building and premises as necessary to ensure that such buildings are easily identifiable from the street, alley, driveway, parking lot, fire lane, or other improved right-of-way.

502.1.5. Where the buildings are part of a multi-unit complex or development, either residential or commercial, every door to every office or apartment in every building shall be numbered as well as their principal entrance to the building having a sign on the entrance indicating which individual numbered units are contained therein.

502.1.6. The names of all new buildings and developments shall not include any numerical references in vanity addresses or in identifying the buildings or development name unless the numerical references and name are the property number and actual street address assigned by the Village.

[F] 901.6.1 Automatic sprinkler systems. Modify this Section by replacing the words ‘an approved supervising station’ with ‘Northwest Central Dispatch’.

[F] 903.2.1.1 Group A-1. Modify this Section by:

1. Deleting ‘where one of the following conditions exist:’ from the first sentence.
2. Adding a second sentence: For change of use or occupancy and/or additions covered by the *International Existing Building Code*, an automatic sprinkler system shall be provided where required in this section where one of the following conditions exist:

[F] **903.2.1.2 Group A-2.** Modify this Section by:

1. Deleting ‘where one of the following conditions exist:’ from the first sentence.
2. Adding a second sentence: For change of use or occupancy and/or additions covered by the *International Existing Building Code*, an automatic sprinkler system shall be provided where required in this section where one of the following conditions exist:

[F] **903.2.1.3 Group A-3.** Modify this Section by:

1. Deleting ‘where one of the following conditions exist:’ from the first sentence.
2. Adding a second sentence: For change of use or occupancy and/or additions covered by the *International Existing Building Code*, an automatic sprinkler system shall be provided where required in this section where one of the following conditions exist:

[F] **903.2.1.4 Group A-4.** Modify this Section by:

1. Deleting ‘where one of the following conditions exist:’ from the first sentence.
2. Adding a second sentence: For change of use or occupancy and/or additions covered by the *International Existing Building Code*, an automatic sprinkler system shall be provided where required in this section where one of the following conditions exist:

[F] **903.2.1.5 Group A-5.** Modify this Section by:

1. Deleting the words ‘in excess of 1,000 square feet (93 m²)’.
2. Adding a second sentence: For change of use or occupancy and/or additions covered by the *International Existing Building Code*, an automatic sprinkler system shall be provided for Group A-5 accessory use areas in excess of 1,000 square feet (93 m²).

[F] **903.2.1.5.1 Spaces under grandstands or bleachers.** Modify this Section by:

1. Deleting ‘where one of the following conditions exist:’ from the first sentence.
2. Adding a second sentence: For change of use or occupancy and/or additions covered by the *International Existing Building Code*, an automatic sprinkler system shall be provided where required in this section where either of the following conditions exist:

[F] **903.2.1.6 Assembly occupancies on roofs.** Modify this Section by:

1. Deleting the words ‘with an occupant load exceeding 100 for Group A-2 and 300 for other Group A occupancies’.

[F] **903.2.1.7 Multiple fire areas.** Modify this Section by:

1. Deleting the words ‘and the combined *occupant load* of theses [*sic*] fire areas is 300 or more’.
-

[F] 903.2.2 Ambulatory care facilities. Modify this Section by:

1. Deleting the words ‘where either of the following conditions exist at any time:’, and placing a period after the word ‘*facility*’.
 2. Deleting list items 1 and 2.
-

[F] 903.2.3 Group E. Modify this Section by:

1. Deleting ‘where one of the following conditions exist:’ from the first sentence.
 2. Adding a second sentence: For change of use or occupancy and/or additions covered by the *International Existing Building Code*, an automatic sprinkler system shall be provided where required in this section where one of the following conditions exist:
-

[F] 903.2.4 Group F-1. Modify this Section by:

1. Deleting ‘where one of the following conditions exist:’ from the first sentence.
 2. Adding a second sentence: For change of use or occupancy and/or additions covered by the *International Existing Building Code*, an automatic sprinkler system shall be provided where required in this section where one of the following conditions exist:
-

[F] 903.2.4.1 Woodworking operations. Modify this section by:

Deleting “in excess of 2,500 square feet (232 m²) in area” from the first sentence.

[F] 903.2.5.3 Pyroxylin plastics. Modify this Section by:

1. Deleting the words ‘in quantities exceeding 100 pounds (45kg)’.
-

[F] 903.2.6 Group I. Modify this Section by adding a second sentence:

The exceptions below shall only apply to change of use or occupancy and/or additions covered by the *International Existing Building Code*.

[F] 903.2.7 Group M. Modify this Section by:

1. Deleting ‘where one of the following conditions exist:’ from the first sentence.
 2. Adding a second sentence: For change of use or occupancy and/or additions covered by the *International Existing Building Code*, an automatic sprinkler system shall be provided where required in this section where one of the following conditions exist:
-

[F] 903.2.9 Group S-1. Modify this Section by:

1. Deleting ‘where one of the following conditions exist:’ from the first sentence.
 2. Adding a second sentence: For change of use or occupancy and/or additions covered by the *International Existing Building Code*, an automatic sprinkler system shall be provided where required in this section where one of the following conditions exist:
-

[F] 903.2.9.1 Repair garages. Modify this Section by:

1. Deleting ‘as shown:’ from the first sentence.
2. Adding a second sentence: For change of use or occupancy and/or additions covered by the *International Existing Building Code*, an automatic sprinkler system shall be provided where required in this section where one of the following conditions exist:

[F] **903.2.10 Group S-2.** Modify this section by:

1. Deleting ‘where either of the following conditions exist:’ from the first sentence.
2. Adding a second sentence: For change of use or occupancy and/or additions covered by the *International Existing Building Code* an automatic sprinkler system shall be provided where required in this section where one of the following conditions exists:

[F] **903.2.10.1 Commercial parking garages.** Modify this section by replacing 5,000 and 464 with 0.

[F] **903.2.11.1 Stories without openings.** Modify this section by starting the first sentence with: For change of use or occupancy and/or additions covered by the *International Existing Building Code*,.

[F] **903.2.11.3 Buildings 55 feet or more in height.** Delete this Section in its entirety.

Add the following section:

[F] **903.2.13 Group B.** An *automatic sprinkler system* shall be provided throughout buildings with a Group B fire area. For change of use or occupancy and/or additions covered by the *International Existing Building Code*, where one of the following conditions exist, an *automatic sprinkler system* shall be provided:

1. A Group B *fire area* exceeds 12,000 square feet ((1115 m²).
2. A Group B *fire area* is located more than three stories above grade plane.
3. The combined area of all Group B and M *fire areas* on all floors, including mezzanines, exceeds 24,000 square feet (2230 m²).

[F] **903.3.5 Water supplies.** Modify this Section by deleting the words ‘and the International Plumbing Code’, and replacing them with ‘the Village of Arlington Heights, and the State of Illinois Plumbing Code.’

903.4.1 Monitoring. Replace the language of this Section with:

Alarm, supervisory, and trouble signals shall be distinctly different and shall be automatically transmitted to Northwest Central Dispatch.

[F] **903.4.3 Floor control valves.** Modify this Section by deleting the words ‘in high-rise buildings’.

[F] **904.3.5 Monitoring.** Delete and replace with:

904.3.5 Monitoring. Automatic fire-extinguishing systems shall be monitored by a building fire alarm system installed in accordance with NFPA 72.

[F] 905.4 Location of Class I Standpipe hose connections.

Add the following after the word connections in the first sentence with ‘a 2 ½ inch x 1 ½ inch reducer and cap and chain.’

[F] 905.5 Location of Class II standpipe hose connections.

Add the following after the word connections in the first sentence with ‘a 1 ½ inch cap and chain.’

[F] 907.2 Where required-new buildings and structures. Modify this Section by adding the following language after the first paragraph:

All new fire alarm systems shall be capable of sending a wireless signal and shall be monitored by Northwest Central Dispatch. Once accepted, fire alarm system shall not be placed out of service unless approved by the Village. Landlords shall be responsible for tenant systems where leases have ended and/or the tenant is otherwise not maintaining the fire alarm system including the connection to Northwest Central Dispatch.

[F] 907.2.1 Group A. Replace the language of this Section with:

A manual fire alarm system that activates the occupant notification system in accordance with Section 907.5 shall be installed in Group A occupancies.

[F] 907.2.4 Group F. Replace the language of this Section with:

A manual fire alarm system that activates the occupant notification system in accordance with Section 907.5 shall be installed in Group F occupancies.

[F] 907.2.5 Group H. Modify this Section by deleting ‘H-5’ and replacing with ‘H’.

[F] 907.2.7 Group M. Replace the language of this Section with:

A manual fire alarm system that activates the occupant notification system in accordance with Section 907.5 shall be installed in Group M occupancies.

[F] 907.2.8.1 Manual fire alarm system. Modify this Section by deleting Exception 1.

[F] 907.2.9.1 Manual fire alarm system. Modify this Section by deleting Exceptions 1 and 3.

[F] 907.2.12.2 Fire department communication system.

Add the following after the last sentence:

Each location of a fire department communication device shall be an independent zone from the control panel in the fire command room.

[F] 907.2.14 High-piled combustible storage areas. Modify this Section by deleting the words ‘where required by Section 3206.5 of the *International Fire Code*’.

[F] **907.2.15 Aerosol storage uses.** Modify this Section by deleting the words ‘where required by the *International Fire Code*’.

[F] **907.5.2.3.1 Public use areas and common use areas.** Add the following to the end of the sentence: and at a location approved by the Fire Official on the exterior of the building. The exterior appliance shall flash white.

[F] **907.6.6 Monitoring.** Modify this Section by adding the following language after the first sentence: New fire alarm systems shall be monitored by Northwest Central Dispatch.

[F] **912.2.1 Visible location.** Add the following sentence at the end:
Such connections shall be located at the main front entrance of the building and within a maximum travel distance of 100 feet to the nearest fire hydrant.

[F] **912.6 Backflow protection.** Modify this Section by deleting the words ‘International Plumbing Code’ and replacing them with ‘Village of Arlington Heights and the State of Illinois Plumbing Code’.

[F] **913.4 Valve supervision.** Amend this Section by:

1. Adding the following language to the end of method 3: where approved in writing by the Fire Code Official or authorized designee.
 2. Deleting method 4.
-

Chapter 11- Accessibility. Delete Chapter 11 in its entirety.

Add the following section:

1207.5 Minimum under-floor height. Under-floor areas, including crawl spaces and similar, shall have a minimum height of 30 inches (762mm) measured from the finished floor to the bottom of the joists.

1208.1 Crawl spaces. Modify this Section by changing 18 to 30, 24 to 30, 457 to 762, and 610 to 762.

[E] **1301.1.1 Criteria.** Modify this Section by deleting ‘International Energy Conservation Code’ and replacing with ‘State of Illinois Energy Conservation Code’.

1612.3 Establishment of flood hazard areas. Insert ‘The Village of Arlington Heights’ as [INSERT NAME OF JURISDICTION] and insert August 19, 2008 as [INSERT DATE OF ISSUANCE].

1807.1.4 Permanent wood foundation systems. Delete the language of this Section and replace with:

Wood foundation systems are not allowed.

1809.9 Masonry-unit footings. Delete the language of this Section and all subsections in their entirety. Replace the language of this Section with: Masonry-unit footings are not permitted.

1809.10 Pier and curtain wall foundations. Delete the language of this Section and replace with:

Pier and curtain wall foundations are not allowed.

1809.12 Timber footings. Delete the language of this Section and replace with:

Timber footings are not allowed.

1810.3.2.4 Timber. Delete the language of this Section and replace with:

Timber deep foundations are not allowed.

2308.3 Foundations and footings. Modify this Section by adding the following:

Exception: Sheds and similar types of buildings 100 square feet or less shall not be required to have a foundation.

2308.7.3 Ceiling joist and rafter framing. Change the following:

1(-inch) to 2, and 25 to 51.

1907.1 General. Modify this Section by replacing ‘3 ½ inches’ (89mm) with ‘4 inches (102 mm)’.

2303.1.5 Wood structural panels. Add the following to the end of the section:

The minimum size wood structural panel used in primary buildings and accessory buildings that shelter automobiles shall be 1/2 inch for floors and 5/8 inch for roofs.

2308.6.2 Braced wall panels. Modify this Section by adding to the end:

Braced wall panel methods for primary buildings and accessory buildings that shelter automobiles shall be limited to methods WSP and PFH listed in Table 2308.6.3(1).

3001.2 Emergency elevator communication systems for the deaf, hard of hearing and speech impaired. Delete this Section in its entirety.

3002.4 Elevator car to accommodate ambulance stretcher. Where elevators are installed, at least one elevator and one elevator per bank shall be provided for Fire Department and ambulance service access to all floors. Such elevator car shall be a minimum interior dimension size of 60 inch by 85 inch and arranged to allow for a stretcher in its horizontal position to enter the elevator. Every elevator meeting these criteria shall be identified by the international symbol for emergency medical services (star of life). The symbols shall be a minimum 3 inch (76mm) by 3 inch (76mm) and placed inside on both sides of the hoistway door frame.

Exception: The Fire Official may approve alternate interior dimensions that allow for a stretcher in its horizontal position to enter the elevator.

3005.1 Access. Modify this Section by adding the following language to the end:

These areas shall not be allowed as the sole passageway to access other areas of the building.

3005.4 Machine rooms, control rooms, machinery spaces, and control spaces. Modify this Section by deleting Exception 2.

Add the following section:

3009.1 Certificate of operation. The operation of all equipment governed by the provisions of this chapter and hereafter installed, relocated, and/or altered shall be unlawful by persons other than the licensed installer until such equipment has been inspected and a certificate of operation has been issued by the Village of Arlington Heights.

Add the following section:

3009.2 Posting of certificate of operation. The owner or lessee shall post the current certificate of operation or a copy of it in a conspicuous place inside the conveyance.

Section 3201.4 Drainage. Modify this Section by adding the following language after the word ‘surface’:

‘in such a way that it creates a hazard to users of the public right-of-way’

Section 3202.2 Encroachments above grade and below 8 feet in height. Modify this Section by adding the following at the end of the last sentence:

“in such a way that it creates a hazard to users of the public right-of-way.”

3301.2 Storage and placement. Modify this Section by adding the following to the end:

Construction equipment and/or materials shall not be disposed of or stored at a construction unless they are specifically for work at that construction site.

Add this Section:

3302.4 Dust, smoke, and odor control. Dust, smoke, odors, and/or similar shall be contained within the construction site to the greatest extent possible utilizing methods to assure containment. The Village may require the stoppage of work that is not in compliance with this Section until acceptable methods are operational on the construction site.

Add this Section:

3302.5 Fencing. Where the Village authorizes fencing in lieu of a walkway in accordance with section 3306.2, fencing shall be 6 foot high chain-link type with adequate support to maintain the fence in place at all times including during high wind conditions. Where the site is unoccupied, gates must be locked securely with a padlock when there is no construction work in progress.

Exception: Alternate fencing or barriers may be used where *approved* by the Building Official.

Add this Section:

3302.6 Security. Construction sites shall provide adequate security to prevent unauthorized access.

Add this Section:

3303.8 Operations. Demolition of a building or structure shall conform to sections 3303.8.1 through 3308.1.3.

Add this Section:

3303.8.1 Dust control. Dust shall be controlled in accordance with section 3302.4.

Add this Section:

3303.8.2 Methods. Buildings and structures shall be demolished in such a way as to prevent excessive ground or air vibrations. Structural steel, chimneys, walls, and/or similar sections of a building shall be lowered to the ground in a controlled manner and not allowed to fall. Where the height exceeds 20 feet above grade, smaller material shall be removed by use of a chute or similar.

Add this Section:

3303.8.3 Miscellaneous. Any other safeguards or requirements deemed necessary by the Village for the safety or well-being of the community shall be utilized.

Article IV Regulations and Standards for Mechanical Systems

Section 23-401 Adoption of the 2018 International Mechanical Code. There is hereby adopted by reference the 2018 Edition of the International Mechanical Code (IMC), except as modified by Section 23-402 of this Article of the Municipal Code.

Section 23-402 Modification by Amendment and Deletion of Various Sections of the International Mechanical Code. The 2018 Edition of the International Mechanical Code adopted by this Chapter is modified for use in the Village by the following amendments, which amendments are given articles and section numbers identical to the International Mechanical Code. To the extent any provision of the IMC conflicts with any provision of the Municipal Code, the Municipal Code provision will apply.

101.1 Title. Insert ‘The Village of Arlington Heights’ for [NAME OF JURISDICTION].

Chapter 1, Part 2 - Administration and Enforcement. Delete this Part in its entirety.

Article V Regulations and Standards for Fuel Gas Systems

Section 23-501 Adoption of the 2018 International Fuel Gas Code. There is hereby adopted by reference the 2018 Edition of the International Fuel Gas Code (IFGC), except as modified by Section 23-502 of this Article of the Municipal Code.

Section 23-502 Modification by Amendment and Deletion of Various Sections of the International Fuel Gas Code. The 2018 Edition of the International Fuel Gas Code adopted by this Article is modified for use in the Village by the following amendments, which amendments are given articles and section numbers identical to the International Fuel Gas Code. To the extent

any provision of the IFGC conflicts with any provision of the Municipal Code, the Municipal Code provision will apply.

101.1 Title. Insert ‘The Village of Arlington Heights’ for [NAME OF JURISDICTION].

Chapter 1, Part 2 - Administration and Enforcement. Delete this Part in its entirety.

Article VI Regulations and Standards for Electrical Installations

Section 23-601 Adoption of the 2017 National Electrical Code. There is hereby adopted by reference the 2017 Edition of the National Electrical Code, except as modified by Section 23-602 of this Article of the Municipal Code.

Section 23-602 Modification of the National Electrical Code. The 2017 Edition of the National Electrical Code (NEC) adopted by this Article is modified for use in the Village as specifically set forth below. To the extent any provision of the NEC conflicts with any provision of the Municipal Code, the Municipal Code provision will apply.

a. Allowed Wiring Methods. The following Table shows allowed wiring methods and related requirements. This Table shall be presumed to be more restrictive than allowed by the NEC, and shall not be presumed to allow for anything less restrictive than allowed by the NEC.

Table 23-602 Allowed Wiring Methods¹³

Circuit Class	Circuit Type	Structure	Inside or Outside of Above Ground ⁴	Inside Installation Location ³	Below Grade: Install Method Above Grade: Physical Damage Risk	Wall, Floor, or Ceiling Covering (At Time of Installation)	Allowed Wiring Methods (NEC Article # Listed) ¹
Power, Lighting, & Class 1 Remote Control and Signal Circuits ¹⁶	Service ¹⁰	Outside	Below		Open Trench	-	342, 344, 352, 353, 354, 355
					Directional Boring	-	353, 354
					Not Subject To Physical Damage	-	344
			Above		Subject to Physical Damage	-	344
					Subject to Severe Physical Damage	-	344
					Open Trench	-	342, 344, 352
		Inside	Above	Concealed	-	Uncovered	344
					-	Covered	See Footnote 2.
					Exposed	-	344
			Below		Not Subject To Physical Damage	-	344
					Subject to Physical Damage	-	344
					Subject to Severe Physical Damage	-	344
	Feeders ^{11,12}	Outside	Below		Open Trench	-	342, 344, 350, 352, 353, 354, 355, 356
					Directional Boring	-	353, 354
					Not Subject To Physical Damage	-	344
			Above		Subject to Physical Damage	-	344
					Subject to Severe Physical Damage	-	344
					Open Trench	-	342, 344, 352
		Inside	Above	Concealed	-	Uncovered	342, 344, 358
					-	Covered	348
					Exposed	-	342, 344, 358
			Below		Listed System	-	342, 344, 352, 372, 374, 390
					Open Trench	-	342, 344, 352
					Subject to Severe Physical Damage	-	344
Branch-circuits ^{11,12}	Outside	Below		Open Trench	-	342, 344, 350, 352, 353, 354, 355, 356	
				Directional Boring	-	353, 354	
				Not Subject To Physical Damage	-	342, 344, 350, 352, 356, 358	
		Above		Subject to Physical Damage	-	342, 344, 358	
				Subject to Severe Physical Damage	-	344	
				Open Trench	-	342, 344, 352	
	Inside	Above	Concealed	-	Uncovered	342, 344, 348 ⁵ , 358	
				-	Covered	320, 330, 348, 350	
				Exposed	-	342, 344, 348 ¹⁴ , 358, 366 ⁶ , 368, 376, 380, 384, 386, 388	
		Below		Subject to Physical Damage	-	342, 344, 358, 366 ⁶ , 368, 376, 380, 384, 386, 388	
				Subject to Severe Physical Damage	-	344	
				Open Trench	-	344	
Grounding Electrode Conductors ⁹	Inside	Below	-	Open Trench	-	344	
		Above	Concealed	All	Any	342, 344, 358	
		Exposed	All	-	342, 344, 358		
		Below		Open Trench	-	Conductors/cables allowed by Article 760 in 344 or 352	
				Concealed	-	342, 344, 358	
				Exposed	-	342, 344, 358	
Fire Alarm Circuits ^{7,15}	All	Inside	Below	Open Trench	-	Conductors/cables allowed by Article 760 in 344 or 352	
				Concealed	-	342, 344, 358	
				Exposed	-	342, 344, 358	
		Above	Concealed	-	Uncovered	342, 344, 358	
				-	Covered	Conductors/cables allowed by Article 760 in 348	
				Subject to Physical Damage ⁸	-	342, 344, 358	
Subject to Severe Physical Damage	-	344					

Specific Footnotes to Table 23-602a:

1. This is not intended to exclude metersockets, junction boxes, cabinet enclosures, panel boards, or similar enclosures, but these enclosures shall be metallic.
2. Service conductors may not be fished into concealed spaces.
3. Concealed spaces are considered not subject to physical damage.
4. Below ground includes embedded in concrete.
5. Short sections that connect concealed junction boxes to exposed luminaires or appliances; or with specific approval from the Building Official where it is not feasible to install non-flexible wiring methods.
6. Metal only.
7. Does not include one- and two-family detached structures.
8. Any area from the floor to 7 feet above the floor shall be considered subject to physical damage.

9. All wiring methods may terminate within 5 feet of the connection to the grounding electrode.
 10. The maximum length of raceways inside buildings that contain service conductor shall be 5 feet. The length of service conductors inside the service enclosure does not contribute to this calculated length.
 11. All flexible raceways shall include an equipment grounding conductor sized according to the NEC.
 12. All raceways installed below ground shall include an equipment grounding conductor sized according to the NEC.
 13. Listed products shall be allowed to use any wiring method that is included as part of the listing of the product.
 14. Allowed for final connections to equipment, appliances, and/or luminaires.
 15. Fire alarm conductors shall not be installed in the same raceway with other types of circuits.
 16. Conductors shall be copper.
- b. Grounding Electrode Conductor for New Construction. For new construction where concrete footings or trench foundations are installed, a concrete-encased electrode shall be installed in accordance with NEC section 250.52 (A)(3). The concrete-encased electrode and the connection to the grounding electrode conductor shall be inspected and approved by the Village before concrete is placed.
 - c. Fan Rated Boxes. Where junction boxes are installed in dwelling unit ceilings where a ceiling fan type fixture could and would likely be installed in the future, a fan-rated box shall be installed.
 - d. Services for One- and Two-Family New Construction. Overhead service conductors and/or service drops shall not be allowed for services for new construction of one- and two-family dwellings.

Article VII Regulations and Standards for Existing Buildings

Section 23-701 Adoption of the 2018 International Existing Building Code. There is hereby adopted by reference the 2018 Edition of the International Existing Building Code (IEBC) except as modified by Section 23-702 of this Article of the Municipal Code.

Section 23-702 Modification by Amendment and Deletion of Various Sections of the International Existing Building Code. The 2018 Edition of the International Mechanical Code adopted by this Article is modified for use in the Village by the following amendments, which amendments are given articles and section numbers identical to the International Existing Building Code. To the extent any provision of the IEBC conflicts with any provision of the Arlington Heights Municipal Code, the Municipal Code provision will apply.

[A] 101.1 Title.

Insert 'The Village of Arlington Heights' as [NAME OF JURISDICTION].

Chapter 1, Part 2- Administration and Enforcement. Delete this Part in its entirety.

301.3 Alteration, addition or change of occupancy. Delete the language of this Section and replace with:

The *alteration, addition, or change of occupancy* of all *existing buildings* shall comply with Section 301.3.2.

301.3 Alteration, addition or change of occupancy. Exception: Delete ‘ or 1301.3.3’ from the third sentence.

301.3.1 Prescriptive compliance method. Delete this Section in its entirety and do not replace.

301.3.3 Performance compliance method. Delete this Section in its entirety and do not replace.

301.5 Compliance with accessibility. Replace ‘2009 edition of the ICC A117.1’ with ‘the State of Illinois Accessibility Code’.

302.3 Additional codes. Modify this Section by:

1. Replacing ‘*International Energy Conservation Code*’ with ‘State of Illinois Energy Conservation Code’.
 2. Replacing ‘*International Plumbing Code*’ with ‘State of Illinois Plumbing Code’.
 3. Deleting ‘*International Private Sewage Disposal Code*’.
-

Section 305 Accessibility for Existing Buildings. Delete this Section in its entirety

Section 408 Plumbing. Delete this Section in its entirety.

707.1 Minimum requirements. Delete the language of this Section and replace with:
Level 1 *alterations* to *existing buildings* or structures shall comply with the requirements of the State of Illinois Energy Conservation Code.

Section 809 Plumbing. Delete this Section in its entirety.

810.1 Minimum requirements. Delete the language of this Section and replace with:
Level 2 *alterations* to *existing buildings* or structures shall comply with the requirements of the State of Illinois Energy Conservation Code.

902.1 High-rise buildings. Replace ‘75’ with ‘60’ and ‘22 860’ with ‘18 288’.

904.1 Automatic sprinkler systems. Replace ‘802.2’ with ‘803’.

907.1 Minimum requirements. Delete the language of this Section and replace with:
Level 3 *alterations* to *existing buildings* or structures shall comply with the requirements of the State of Illinois Energy Conservation Code.

1002.1 Compliance with the building code. Replace the non-italicized word ‘building’ with ‘part of the building that is changed’.

Section 1009 Plumbing. Delete this Section in its entirety.

1102.2 Area limitations. Replace ‘6’ with ‘5’.

1107.1 Minimum requirements. Delete the language of this Section and replace with:
Additions to existing buildings or structures shall comply with the requirements of the State of Illinois Energy Conservation Code.

Chapter 13 Performance Compliance Methods. Delete this Chapter in its entirety.

Chapter 15 Construction Safeguards. Delete this Chapter in its entirety.

Article VIII Regulations and Standards for Swimming Pools and Spas

Section 23-801 Adoption of the 2018 International Swimming Pool and Spa Code. There is hereby adopted by reference the 2018 Edition of the International Swimming Pool and Spa Code (ISPSC) except as modified by Section 23-802 of this Article.

Section 23-802 Modification by Amendment and Deletion of Various Sections of the International Swimming Pool and Spa Code. The ISPSC adopted by this Article is modified for use in the Village by the following amendments. The following Code sections shall be referenced in place of the corresponding 2018 ISPSC sections.

101.1 Title. Insert ‘The Village of Arlington Heights’ for [NAME OF JURISDICTION].

Chapter 1, Part 2-Administration and Enforcement. Delete this Section in its entirety

306.3 Step risers and treads. Modify this Section as follows:

1. In the first sentence replace 3-3/4 with 4, 95 with 102, 7-1/2 with 7, and 191 with 178.
 2. In the third sentence replace 7-1/2 with 7-3/4.
-

307.1.4 Accessibility. Delete the language of this Section and replace with:
Pools and spas shall meet the requirements of the Illinois Accessibility Code.

Article IX Regulations and Standards for Plumbing Installations

Section 23-901 Adoption of the State of Illinois Plumbing Code. There is hereby adopted by reference the Illinois Administrative Code, Title 77: Public Health, Chapter I: Department of Public Health, Subchapter r: Water and Sewage, Part 890 Illinois Plumbing Code, for the purpose of establishing rules and regulations for plumbing within the Village of Arlington Heights, as now or hereafter amended, except as modified by Section 23-903 of this Article.

Section 23-902 Plumbing Fixtures and Irrigation Controllers. Pursuant to 17 Ill. Adm. Code 3730.307 (c) 4 and subject to the Illinois Plumbing Code (77 ILL. Adm. Code 890) and the Lawn Irrigation Contractor and Lawn Sprinkler System Registration Code (77 ILL. Adm. Code 892), all new plumbing fixtures and irrigation controllers installed after the effective date of this Section shall bear the WaterSense label (as designed by the U.S. Environmental Protection Agency WaterSense Program), when such labeled fixtures are available.

Section 23-903 Modification by Amendment of Certain Sections of the Illinois Plumbing Code. The Illinois Plumbing Code adopted by this Article is modified for use in the Village by the following amendments, which amendments are given section numbers identical to the Illinois Plumbing Code.

Subpart E: Interceptors- Separators and Backwater Valves.

Section 890.510: Grease Interceptor Requirements. Add the following paragraph after the first paragraph in the section:

When a Type 1 Grease Hood is utilized in a commercial kitchen, as specified in the International Mechanical Code, and external grease trap shall be required. Minimum external grease trap size as specified in the State of Illinois Plumbing Code of 2014, Section 890, Appendix E, Subpart E, Illustration B, Typical Grease Trap.

Section 890.510(a)(2) Add the following sentence:

Minimum interior grease trap size shall be 50 GPM (gallons per minute) and shall be installed with removable cover set flush with the finished floor in a readily accessible area for regular maintenance and inspection. The installation of a (“50 GPM” or “properly sized”) grease trap is required in any location which contains a Type II grease hood as required in the International Mechanical Code.

Subpart F: Plumbing Fixtures

Section 890.680 Lavatories. Add the following sentence as the first sentence of the section:

Lavatories/hand sinks are required in all commercial kitchens and examining rooms used by physicians, dentists, chiropractors and other medical practitioners, as well as massage therapists, aestheticians and any other business that require direct contact with the skin.

Subpart I: Water Supply and Distribution

Section 890-1210 Design of a Building Water Distribution System. Add subsection “1” after subsection “a” as follows:

- 1) Hot water systems for potable water use that exceed 50’ of supply piping shall be installed with a hot water recirculation system. When a gravity system is not applicable, a pump and timer shall be installed with full port ball valves on both side of the recirculation pump and timer.
-

SECTION FIVE: That Chapter 24, Plumbing Regulations, having been incorporated into Chapter 23, Building Regulations, of the Arlington Heights Municipal Code is hereby deleted in its entirety and replaced with a new Chapter 24 titled, **Regulations and Standards for Antenna Structures and Earth Stations**, which shall read as follows:

**Chapter 24 Regulations and Standards for
Antenna Structures and Earth Stations**

Section 24-101 Definitions. For the purpose of this Article, the words or terms used shall be as

defined in Chapter 28 of the Municipal Code.

Section 24-102 Exemptions. The following categories of antenna structures are exempt from the requirements of this Article:

- a. Commercial and non-commercial roof mounted antenna structures which measure less than 12 feet from the highest point of the roof line of the building.
- b. Any existing antenna structure which has been constructed and which was in place prior July 15, 1991.
- c. "Radials" used in amateur antenna systems.

Exempt antennas as set forth in paragraphs a and b above are not exempt from the grounding requirements of this Code.

Section 24-103 Restrictions.

- a. No ground base antenna shall exceed 75 feet above the grade level (commercial or non-commercial).
- b. No antenna shall protrude in any manner upon the public way or adjoining property.
- c. No antenna shall be of a windmill type. A solid dish-type construction or design shall not be permitted in a residentially zoned district.
- d. Non-commercial roof-mounted antenna structures may not exceed 30 feet from mounting base. Two antenna structures will be allowed for each roof, one of which may be for radio, and one of which may be for television purposes. The base structure which supports the mast shall not exceed three feet. No guy wires for additional supports shall support the base structure or antenna mast.
- e. Commercial roof-mounted antenna may not exceed 30 feet from mounting base.
- f. Location of all antenna structures within all zoning districts shall be restricted as set forth in Chapter 28.
- g. "Radials" used in amateur antenna systems must not support the base structure or antenna or be higher than two feet above the roof.
- h. No earth station in an R-1, R-2, R-3, or R-4 Zoning District shall exceed eight feet in diameter or 14 feet above the grade level in height. No advertising, logos, or symbols will be permitted on any earth station surfaces except as permitted in Chapter 28. All earth stations shall be a neutral color. Earth stations shall be permitted in rear yards only. On corner lots, no earth station shall be erected outside of the established building line of both street frontages, and 25 feet from property lines fronting on any street or highway.

Section 24-104 Standards of Construction.

- a. Antenna structures may be constructed from one of the following materials: aluminum, galvanized steel, or an equally weather resistant steel, or treated wood, subject to the written approval of the Director of Building. Where two dissimilar materials such as aluminum and concrete or aluminum and steel are in contact, provisions shall be made to avoid electrolysis. All antenna structures shall be erected in such manner so as to be able to withstand a minimum wind velocity of 80 mph (impact pressure of 25 pounds per square foot).
- b. Earth stations that are elevation/azimuth fixed-mount type shall be erected in such a manner so as to be able to withstand a minimum wind velocity of 125 mph. Earth stations that are tunable or adjustable-mount type shall be erected in such a manner so as to be able to withstand a minimum wind velocity of 100 mph.
- c. All towers and/or roof-mounted structures supporting antenna as noted in this Article shall be grounded. Grounding shall be in accordance with the applicable provisions of the Municipal Code. The ground conductor shall be a minimum of #10 GA copper; however, in all instances, construction shall follow the manufacturer's requirements for grounding.

Section 24-105 Permit Application for Non-Commercial Antenna and Non-Commercial Earth Stations. Permit Applications shall be made to the Director of Building and shall provide the following information:

- a. Two sets of plans, two plats of survey and specifications for the tower structure and appurtenances and earth station structure, including detailed plans showing locations, heights, structural design and any other information pertinent or required by the Director of Building.
- b. All towers and/or roof-mounted structures supporting antenna as noted in this Article shall be properly grounded pursuant to the applicable requirements of the Municipal Code.
- c. No permit will be issued for any roof mounted antenna structure or antenna which measures greater than 12 feet from the highest point of the roof line of the building unless the design has been prepared by a registered structural engineer of the State of Illinois and certified to comply with applicable building codes, that the basic structure which supports the antenna mast does not extend more than three feet above the highest point on the roof; and that no guy wires or similar appurtenances are used to support the base structure or antenna mast.

Section 24-106 Building Permit Required for Commercial Antenna Structures and Commercial Earth Stations.

- a. Commercial antenna structures and commercial earth stations shall not be erected without a

building permit as required by this Code.

- b. Commercial antenna structures and commercial earth stations shall be subject to the zoning requirements of Chapter 28 of this Code. It is the intent of Chapter 23 that commercial antenna structures conform to the requirements of this Article; however, if special use permits are authorized by Chapter 28, each petition will require justification for varying from restrictions and construction standards imposed by this Article.
- c. No building permit will be issued for any commercial antenna structure or commercial earth station unless the design has been prepared by a Licensed Structural Engineer of the State of Illinois and certified to comply with applicable building codes.

SECTION SIX: That Chapter 25, Electricity Regulations, having been incorporated into Chapter 23, Building Regulations, of the Arlington Heights Municipal Code, is hereby deleted in its entirety.

SECTION SEVEN: That Chapter 26, Housing Maintenance and Occupancy Regulations, of the Arlington Heights Municipal Code is hereby amended by deleting in its entirety and substituting in lieu thereof with the following:

Article I Adoption of the International Property Maintenance Code

Section 26-101 Adoption of the International Property Maintenance Code. There is hereby adopted by reference the 2018 Edition of the International Property Maintenance Code (IPMC) except as modified by Section 26-102 of this Article.

Section 26-102 Modification by Amendment and Deletion of Various Sections of the International Property Maintenance Code. The 2018 Edition of the International Property Maintenance Code adopted by this Article is modified for use in the Village by the following amendments, which amendments are given articles and section numbers identical to the International Property Maintenance Code. To the extent any provision of the IPMC conflicts with any provision of the Arlington Heights Municipal Code, the Municipal Code provision will apply.

101.1 Title. Insert ‘The Village of Arlington Heights’ for [NAME OF JURISDICTION].

107.4 Unauthorized tampering. After the word ‘tags’ add ‘stop work orders, placards,’

302.4 Weeds. Insert ‘12 inches from the ground on vacant land and 8 inches from the ground on occupied premises’ for.

304.14 Insect screens. Delete ‘During the period from [DATE] to [DATE], ‘and capitalize the word ‘every’.

602.3 Heat supply. Delete the existing language and replace with the following: ‘Every owner and operator of any building who rents, leases or lets one or more dwelling unit, dormitory or guest room on terms, either express or implied, shall supply sufficient heat to provide a minimum temperature of 68°F from 6:30 a.m. to 10:30 p.m.,

and a minimum temperature of 65°F at all other times.’; and delete Exception number 2 in its entirety and do not replace.

602.4 Occupiable work spaces. Delete ‘during the period from [DATE] to [DATE]’

Article II Vacant Land Maintenance

Section 26-201 Vacant Land Maintenance.

- a. Any property in the Village that remains undeveloped for a period of longer than 60 days or on which improvements have been demolished, and for which no application for redevelopment has been provided shall be appropriately landscaped. All pavement may be required to be removed and replaced with appropriate landscaping or maintained in a manner acceptable to the Director of Building or designee. For the purposes of this Article, appropriately landscaped shall consist of, at a minimum: grading to prevent water run-off on adjacent properties, four inches of topsoil, and grass or equivalent landscaping.
- b. No person shall change the grade of a vacant lot by depositing dirt, refuse, garbage, or material of any nature whatsoever, without the approval of the Director of Building. If such change of grade shall take place without such approval, the owner or person in control shall be directed by the Village Manager to restore the grade of said lot. If, after ten days' notice, such restoration shall not have been made, the Village Manager may enter upon the lot and restore the grade and bill the owner for the cost of restoring the grade. If such bill is not paid, the cost of restoration shall be collected in an appropriate action brought by the Village in any court of competent jurisdiction.
- c. All landscaping must be maintained in accordance with Chapters 19 and 28 of the Municipal Code of the Village of Arlington Heights.
- d. All utilities must be appropriately terminated.

Section 26-202 Unoccupied or Abandoned Building Maintenance.

- a. For purposes of this Article, a vacant building is any commercial building that remains unoccupied for 60 days or more.
- b. All vacant buildings and accessory structures shall be maintained in accordance with the property maintenance requirements in the Municipal Code of the Village of Arlington Heights.
- c. All signs and supporting structures must be removed in accordance with Chapter 30 of the Municipal Code of the Village of Arlington Heights.
- d. The owner of any vacant building shall not allow the following on the property:
 1. Buildings that are boarded up, partially destroyed, or left unreasonably in a state of partial construction for a minimum period of 60 days;

2. Broken windows in any structures;
3. Illegal parking of vehicles;
4. Accessory buildings and building exteriors, which are maintained in such condition as to become defective, unsightly, or in deterioration or disrepair;
5. Lumber, trash, debris or solid waste, as defined in Chapter 19 of the Municipal Code, on the property;
6. Abandoned, discarded or unused objects, vehicles or equipment;
7. Stagnant water;
8. Any device, decoration, design, fence or structure which is unsightly by reason of its condition or because it is in violation of any other Village ordinance, or
9. Dirt piles, broken pavement, concrete and asphalt debris.

Section 26-203 Corrective Measures.

- a. The Village Manager or designee shall serve a notice of violation or order on the property owner through certified mail or personal service. This order shall direct the Owner to make necessary repairs, to discontinue any illegal action or condition and to take any other necessary corrective measures.
- b. If the property owner fails to correct the violation within 30 days after written notification is sent, the property owner shall be fined not less than \$100 and not more than \$750 notwithstanding any other penalties, actions or proceedings. Each day that a violation exists constitutes a separate offense.
- c. The Village Manager or designee may undertake such repairs or action when, in his or her judgment, the failure to make them will endanger the public health, safety or welfare and the owner fails, neglects or refuses to make repairs or other corrective action called for by the notice of violations within 45 days after written notification is sent by certified mail or personally served. In accordance with State law, the Village Manager or designee shall apply to the Circuit Court of Cook County for an order authorizing action to be taken or for an order requiring the owner to take the necessary action. Any reasonable expense incurred by the Village in making such repairs or undertaking other corrective measures shall be a charge against the owner, which may be recovered, in an appropriate action at law.
- d. In addition to all other remedies provided by law, the Village shall have a lien on the property for the reasonable costs of the repairs or corrective measures. The lien shall be superior to all other liens and encumbrances except tax liens. Within 180 days after the cost is incurred, the Village shall cause to be filed a notice of lien in the Office of the Recorder of Cook County. The notice shall consist of a sworn statement setting out: (1) a description of the real estate sufficient for identification; (2) the amount of money

representing the cost and expense incurred; and (3) the date or dates when the cost and expense were incurred by the Village.

SECTION EIGHT: That Chapter 27, Fire Regulations, of the Village of Arlington Heights Municipal Code is hereby amended by deleting in its entirety and substituting in lieu thereof with the following:

Article I Adoption of the 2018 International Fire Code

Section 27-101 Adoption of the 2018 International Fire Code. There is hereby adopted by reference the 2018 Edition of the International Fire Code (IFC), except as modified by Section 27-102 of this Article. Appendix D is specifically adopted.

Where an installation or construction system is not specifically covered or referenced by the IFC, the most current published version of the following codes and standards of the National Fire Protection Association (NFPA) shall apply:

18, 36, 50, 50A, 50B, 51, 57, 59, 67, 68, 75, 76, 79, 82, 86C, 86D, 87, 88A, 88B, 91, 92A, 92B, 101A, 102, 115, 122, 140, 150, 214, 231, 231C, 231D, 231E, 231F, 232, 232A, 297, 328, 329, 430, 432, 434, 480, 481, 482, 485, 490, 499, 650, 651, 770, 780, and 855.

Section 27-102 Modification by Amendment and Deletion of Various Sections of the International Fire Code. The 2018 Edition of the International Fire Code adopted by this Article is modified for use in the Village by the following amendments, which amendments are given articles and section numbers identical to the International Fire Code. To the extent any provision of the IFC conflicts with any provision of the Arlington Heights Municipal Code, the Municipal Code provision will apply.

[A] 101.1 Title.

Insert 'The Village of Arlington Heights' as [NAME OF JURISDICTION].

[A] 110.4 Violation penalties. Insert 'fire code violation' for [SPECIFY OFFENSE], \$750.00 for [AMOUNT], and seven for [NUMBER OF DAYS].

[A] Section 112.4 Failure to comply. Insert \$250 for the not less than amount and \$750 for the not more than amount.

Section 113 Board of Appeals.

Delete this Section in its entirety.

Section 202 General Definition.

Change the definition of 'BONFIRE' to:

An outdoor fire with a fuel area greater than 3 feet in diameter and 2 feet in height utilized for ceremonial, pleasure, cooking, warmth, or similar purposes.

Modify the definition of ‘HIGH-RISE BUILDING’ by replacing 75 with 60 and 22 860 with 18 288.

307.1 General.

Add the following at the end:

Fuel for open burning shall consist only of seasoned firewood and shall be ignited with a small quantity of paper. The fire shall not be utilized for waste disposal purposes.

307.4.1 Bonfires

Delete the following from the first sentence:

‘unless the fire is contained in a barbecue pit’

307.4.3 Portable Outdoor Fireplaces.

Delete the exception and replace it with the following:

Portable outdoor fireplaces used at detached single family dwellings.

308.1.4 Open Flame Cooking Devices. Delete Exception 3.

308.2 Permits required. Modify this Section by deleting list item number 1.

315.2 Permit required. Delete this Section.

319.2 Permit required. Delete this Section.

503.2.5 Dead Ends. Delete and replace with the following:

See Appendix D, as amended.

505.1 Address Notification. Change 4 (inches) to 6 (inches).

901.4.6.1 Access. Modify this Section by adding ‘in a location approved by the Fire Code Official’ after the word ‘access’ in the first sentence.

901.6.3 Records. Modify this Section by adding to the end, ‘The method of submitting records shall be done using systems approved by the Fire Code Official.’

903.2.1.1 Group A-1. Modify this Section by:

1. Deleting the words ‘where one of the following conditions exists:’ and adding a period after the word ‘occupancy’ that precedes the word ‘where’.
 2. Deleting list items 1 through 4.
-

903.2.1.2 Group A-2. Modify this Section by:

1. Deleting the words ‘where one of the following conditions exists:’ and adding a period after the word ‘occupancy’ that precedes the word ‘where’
 2. Deleting list items 1 through 3.
-

903.2.1.3 Group A-3. Modify this Section by:

1. Deleting the words ‘where one of the following conditions exists:’ and adding a period after the word ‘occupancy’ that precedes the word ‘where’.
 2. Deleting list items 1 through 3.
-

903.2.1.4 Group A-4. Modify this Section by:

1. Deleting the words ‘where one of the following conditions exists:’ and adding a period after the word ‘occupancy’ that precedes the word ‘where’.
 2. Deleting list items 1 through 3.
-

903.2.1.5 Group A-5. Modify this Section by:

1. Deleting the words ‘in excess of 1,000 square feet (93 m²)’.
-

903.2.1.5.1 Spaces under grandstands or bleachers. Modify this Section by:

1. Deleting the words ‘where either of the following exists:’ and adding a period after 903.1.1.
 2. Deleting list items 1 and 2.
-

903.2.1.6 Assembly occupancies on roofs. Modify this Section by:

1. Deleting the words ‘with an occupant load exceeding 100 for Group A-2 and 300 for other Group A occupancies’.
-

903.2.1.7 Multiple fire areas. Modify this Section by:

1. Deleting the words ‘and the combined *occupant load* of these fire areas is 300 or more’.
-

903.2.2 Ambulatory care facilities. Modify this Section by:

1. Deleting the words ‘where either of the following conditions exist at any time:’, and placing a period after the word ‘*facility*’.
 2. Deleting list items 1 and 2.
-

903.2.3 Group E. Modify this Section by:

1. Deleting the words ‘as follows:’ and placing a period after the word ‘occupancies’.
 2. Deleting list items 1 through 3.
-

903.2.4 Group F-1. Replace this Section with: **903.2.4 Group F-1 and F2.** An *automatic sprinkler system* shall be provided throughout all buildings containing a Group F-1 or Group F-2 occupancy.

903.2.4.1 Woodworking operations. Delete this Section in its entirety.

903.2.5.3 Pyroxylin plastics. Modify this Section by deleting the words ‘in quantities exceeding 100 pounds (45kg)’.

903.2.6 Group I. Modify this Section by deleting all Exceptions.

903.2.7 Group M. Modify this Section by:

1. Deleting the words ‘where one of the following conditions exists:’ and adding a period after the word ‘occupancy’.
 2. Deleting list items 1 through 4.
-

903.2.9 Group S-1. Modify this Section by:

1. Deleting the words ‘where one of the following conditions exists:’ and adding a period after the word ‘occupancy’.
 2. Deleting list items 1 through 5.
-

903.2.10 Group S-2 enclosed parking garages. Replace this Section with:

903.2.10 Group S-2. An *automatic sprinkler system* shall be provided throughout all buildings with a Group S-2 fire area.

903.2.11.1 Stories without openings. Delete this Section and subsections in their entirety.

Add the following section:

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

903.3.5 Water supplies. Modify this Section by deleting the words ‘and the International Plumbing Code’, and replacing them with ‘the Village of Arlington Heights, and the State of Illinois Plumbing Code.’

903.4.3 Floor control valves. Delete ‘in high-rise buildings’.

905.4 Location of Class I standpipe hose connections. Add the following text after the word ‘connections’:
‘with a 2-1/2inch x 1-1/2 inch reducer and cap and chain’

905.5 Location of Class II standpipes hose connections. Add the following text after the word ‘connections’:
‘with a 2-1/2inch x 1-1/2 inch reducer and cap and chain’

905.12 Existing Buildings. Add the following at the end:

Elimination of fire hoses from an existing Class III standpipe system is permitted only if all of the following conditions are met:

1. The building is equipped throughout with an automatic sprinkler system in accordance with 903.1.1 or 903.1.2 of the IFC.
2. Provide a 1-1/2" brass cap with chain.
3. Provide a 2-1/2" x 1-1/2" reducer with a 1-1/2" brass cap with a chain on the 2-1/2" fire hose valve.

A permit, including review and approval by the Fire Chief, must be obtained for each building

4. A letter from the building insurance carrier is provided to the Fire Official which states that they are aware of the removal of the hoses.

A permit, including review and approval by the Fire Chief, must be obtained for each building where the fire hoses are to be removed. A final inspection by the Village will be conducted upon completion of the removal.

907.2 Where required-new buildings and structures. Modify this Section by adding the following language after the first paragraph:

All new fire alarm systems shall be capable of sending a wireless signal and shall be monitored by Northwest Central Dispatch. Once accepted, fire alarm system shall not be placed out of service unless approved by the Village. Landlords shall be responsible for tenant systems where leases have ended and/or the tenant is otherwise not maintaining the fire alarm system including the connection to Northwest Central Dispatch.

907.2.1 Group A. Replace the language of this Section with:

A manual fire alarm system that activates the occupant notification system in accordance with Section 907.5 shall be installed in Group A occupancies.

907.2.4 Group F. Replace the language of this Section with:

A manual fire alarm system that activates the occupant notification system in accordance with Section 907.5 shall be installed in Group F occupancies.

907.2.5 Group H. Modify this Section by deleting 'H-5' and replacing with 'H'.

907.2.7 Group M. Replace the language of this Section with:

A manual fire alarm system that activates the occupant notification system in accordance with Section 907.5 shall be installed in Group M occupancies.

907.2.8.1 Manual fire alarm system. Modify this Section by deleting Exception 1.

907.2.9.1 Manual fire alarm system. Modify this Section by deleting Exceptions 1 and 3.

907.2.12.2 Fire Department communications. Add the following at the end:

Each location of a fire department communication device shall be an independent zone from the control panel in the fire command room.

907.2.14 High-piled combustible storage areas. Modify this Section by deleting the words ‘where required by Section 3206.5’.

907.2.15 Aerosol storage uses. Modify this Section by deleting the words ‘where required by this Code’.

907.5.2.3.1 Public use areas and common use areas. Add the following language to the end:

A visible exterior weatherproof alarm notification device, emitting a white in color flashing light when activated, shall be located within closest proximity to the front main entrance of the building or tenant space as approved by the Fire Code Official.

907.6.6 Monitoring. Modify this Section by adding the following language after the first sentence: New fire alarm systems shall be monitored by Northwest Central Dispatch.

912.2.1 Visible Location. Delete and replace with the following:

Fire department connections shall be fully visible and located at the main front entrance of the building and within a maximum travel distance of 100 feet to the nearest fire hydrant or as directed by the Fire Chief or designee.

912.6 Backflow protection. Modify this Section by deleting the words ‘International Plumbing Code’ and replacing them with ‘Village of Arlington Heights and the State of Illinois Plumbing Code’.

913.4 Valve supervision. Amend this Section by:

1. Add the following language to the end of method 3: where approved in writing by the Fire Code Official or authorized designee.
 2. Deleting method 4.
-

1103.5.3 Group I-2, Condition 2. Insert ‘A date specified in writing from the Village.’ for [DATE BY WHICH SPRINKLER SYSTEM MUST BE INSTALLED]

2306.2.3 Above-ground tanks located outside, above grade. Change 12,000 to 1,000 and 48,000 to 3,000.

2306.2.4.1 Tank capacity limits. Change 15,000 to 1,000 and 48,000 to 3,000.

2306.2.4.2 Fleet vehicle motor fuel-dispensing facilities. Change 20,000 to 1,000 and 80,000 to 3,000.

2306.2.6 Special enclosures. Item #6 - Change 6,000 to 1,000 and 18,000 to 3,000.

2306.5 Secondary Containment. Add the following at the end:

Secondary containment shall be sized to provide 150% of the capacity of the tank.

5704.2.9.6.1 Locations where above-ground tanks are prohibited. Insert zoning districts R-E, R-1, R-2, R-3, and R-4 for [JURISDICTION TO SPECIFY].

5706.2.4.4 Locations where above-ground tanks are prohibited. Insert zoning districts R-E, R-1, R-2, R-3, and R-4 for [JURISDICTION TO SPECIFY].

5806.2 Limitations. Insert zoning districts R-E, R-1, R-2, R-3, and R-4 for [JURISDICTION TO SPECIFY].

6101.1 Scope. Add the following at the end:

It shall be unlawful for any person to operate a plant for the production of liquefied petroleum gases in the Village. No liquefied petroleum tank shall be filled within the Village.

6104.2 Maximum capacity within established limits. Change 2000 to 1000.

6104.2 Maximum capacity within established limits. Insert zoning districts M-1 and M-2 for [JURISDICTION TO SPECIFY].

D103.4 Dead ends. Delete the language of this Section entirely and replace with:

Dead ends must be approved by the Fire Chief.

Table D103.4 Requirements For Dead-end Fire Apparatus Access Roads. Delete this table and do not replace.

D103.5 Fire apparatus access road gates. Begin the first sentence with:
As approved by the Fire Code Official,

Article II Hazardous Materials Regulations

Section 27-201 Spills Prohibited. It shall be unlawful, whether intentional or unintentional, for any person, firm or corporation to release, emit, spill or leak any material, which constitutes a hazardous material incident.

Section 27-202 Definitions. For the purpose of this Article, the following words and terms shall have the following meanings:

- a. **Hazardous Material(s) Incident.** The leakage, release, seepage or emission of any substance or material which, due to its quantity, form, concentration, location or other characteristics, is determined by the Fire Chief or an authorized representative, based upon a reasonable degree of scientific certainty, to pose an unreasonable and inordinate risk to the life, health or safety of persons or property or to the ecological balance or the environment, including but not limited to, explosives, compressed gases, flammable and combustible liquids, flammable and water reactive solids, oxidizers and peroxides, poisons, radioactive materials, corrosives or otherwise regulated materials, or any substance determined to be hazardous or toxic under any federal or state law, statute or regulation.
- b. **Expenses to the Village.** All costs and expenses of the Village incurred in the clean-up or abatement of hazardous materials or the extinguishing of a fire involving hazardous materials, including but not limited to the following: actual labor costs of Village

personnel involved in the clean-up or abatement of the discharge(s) including Worker's Compensation benefits, fringe benefits and administrative overhead or any other medical expenses, immediate or long term, or personnel exposed to the hazardous material, cost of equipment operation, damage or loss as published and updated by the Village; cost of materials ordered directly by the Village; the cost of any labor and material(s) expended through the retention of other parties to assist in clean-up or abatement and the repair of the property in the area of the incident.

c. Village. Any Department of the Village of Arlington Heights.

Section 27-203 Hazardous Material Responses - Cost Reimbursement. Expense reimbursement to the Village: The person or companies in immediate control or possession of the hazardous material(s) at a hazardous materials incident, to which the Village has responded, shall be responsible for reimbursement to the Village of all expenses incurred by the Village related to the response, the handling or the clean-up of the material(s). There shall be joint and several liability for reimbursement including but not limited to the person(s) or companies in immediate control of the hazardous material(s), the shipper, the manufacturer, the distributor, the transporter of the material(s) involved, or third parties having caused or contributed to the cause of the release of the hazardous material(s).

Section 27-204 Fault Not to be Considered. The person or company in immediate control or possession of the hazardous material at a hazardous materials incident shall be liable for any other costs, fees or expenses of whatever kind or nature which are incurred by the Village or its agent in the abatement, clean-up or repair. The fault of the entity in immediate control or possession of this Article, repair shall mean, without exception, the return of the property to the condition that existed immediately prior to the incident.

Section 27-205 Distribution of Reimbursed Costs - Replacement of Material(s) and/or Other Expenses. The reimbursement funds may be used to replenish the supplies used by the Village at the scene of the hazardous material(s) incident. Supplies may include, but shall not be limited to, protective clothing, absorbents, neutralizing chemicals, detection monitoring equipment, firefighting forms and chemicals, overtime personnel expenses, laboratory analysis, medical treatment, immediate and long term, for exposed or injured personnel, or equipment or supplies damaged or destroyed by exposure to the hazardous material(s) at the incident.

Section 27-206 Regulations or Remedies. Nothing in this Article IV shall be deemed to relieve any party from any other obligation or responsibilities that it might otherwise have under law to any other agency or party.

Section 27-207 Penalty. Any person, firm or corporation who violates any provision of this Article shall, upon conviction, be fined not less than \$5 nor more than \$750.

Article III Fireworks

Section 27-301 Definitions. Unless the context clearly indicates otherwise, fireworks shall mean and include any combustible or explosive composition, or any substance or combination of

substances, or article prepared for the purpose of producing a visible or an audible effect by combustion, explosion, deflagration or detonation, and shall include blank cartridges, toy pistols, toy cannons, toy canes, or toy guns in which explosives are used, the type of balloons which require fire underneath to propel the same, firecrackers, torpedoes, skyrockets, roman candles, bombs, or any other devices of like construction and any devices containing any explosive or flammable compound, or any tablets or other device containing any explosive substance, except that the term "fireworks" shall not include sparklers, auto flares, paper caps containing not in excess of an average of 25/100 of a grain of explosive content per cap, and toy pistols, toy canes, toy guns or other devices which use caps, the sale and use of which shall be permitted.

Section 27-302 Sale of Fireworks. It shall be unlawful for any person within the Village to own, possess, discharge, manufacture, sell, expose for sale, loan or give away any substance or article of fireworks; except that the Village Manager may issue a permit for public fireworks displays.

Section 27-303 Permit for Fireworks Display; Application. An application for a permit to conduct a public fireworks display shall be made in writing to the Village Manager and shall state the name of the person desiring to conduct such display, the place of residence and age, the proposed place for the public display of fireworks and what experience the applicant has had, if any, in the discharge of fireworks. This application shall be sworn to before a notary public or other officer authorized by law to administer oaths.

Section 27-304 Inspection by Village. The Village Manager shall, upon receipt of an application for a permit to conduct a public fireworks display, refer it to the appropriate Village departments for an inspection of the location designated in the application for the proposed public display of fireworks. If, after inspection, it is determined that it would not be hazardous to surrounding property or dangerous to any person or persons to permit the public display of fireworks at that location, the application shall be approved and returned to the Village Manager. Once approved, the applicant, upon satisfactory proof of bond, may then conduct a public display of fireworks. The permits shall designate the kinds and quantities of fireworks to be used at such public display, and no other kinds and no greater quantities of fireworks than therein specified shall be used at the public display.

Section 27-305 Transferability of Permits. No permit issued under the provisions of this Article shall be transferable.

Section 27-306 Bond. All permits issued by the Village Manager are conditional upon the permittee furnishing a bond in an amount deemed adequate by the Director of Building for the payment of all damages which may be caused either to a person or persons or to property by reason of the permitted display, and arising from any acts of the permittee, permittee's agents, employees or subcontractors. Failure to present the Village Manager with proper evidence that the bond has been secured three days prior to the display will automatically result in revocation of the permit and forfeiture of the permit fee.

Section 27-307 Fireworks Used in Public Display. Fireworks to be used in a permitted public display may not be brought into the Village until satisfactory evidence of the bond, required by

Section 27-606, has been presented to the Village Manager, and in no event more than five days before the proposed date of the display. The fireworks shall be stored in a safe place and any fireworks unused during the display shall be immediately disposed of in a manner safe for the particular type of fireworks remaining.

Section 27-308 Seizure of Fireworks. The Director of Building, Fire Chief or the Police Chief shall seize, take, remove, or cause to be removed at the owner's expense all stocks of fireworks possessed in violation of this Article.

Section 27-309 Penalties. Any person violating any provision of this Article shall be fined not less than \$5 nor more than \$750 for each offense; and a separate offense shall be deemed committed on each day during or on which a violation occurs or continues.

SECTION NINE: That certain portions of Section 6.14, Non-Commercial Antenna Structures and Earth Stations, in Chapter 28, Zoning Regulations, of the Arlington Heights Municipal Code, are hereby amended as follows (the language being added is highlighted and the language being deleted is stricken):

6.14 Non-Commercial Antenna Structures and Earth Stations. (Refer to Chapter ~~24~~ 23)

6.14-1 Non-Commercial Antenna and Related Structures. Non-commercial antenna and related structures shall be permitted in all residential districts, subject to Chapter ~~24~~ 23, Article XIII.

6.14-2 Commercial Antenna and Related Structures. Commercial antenna and related structures are special uses in all non-residential districts and are subject to Chapter ~~24~~ 23, Article II.

6.14-4 Building Permit Required. ~~Refer to Chapter 23.~~

A non-commercial antenna and non-commercial earth station shall not be erected without first obtaining a building permit as provided in Chapter ~~24~~ 23, unless specifically exempted under the provisions thereof.

SECTION TEN: That subsections c, e, f and g, in Section 29-501, Required Improvements, in Chapter 29, Subdivision Control Regulations, of the Arlington Heights Municipal Code, are hereby amended as follows (the language being added is highlighted and the language being deleted is stricken):

Section 29-501 Required Improvements. The developer of a proposed subdivision shall install or cause to be provided the following facilities:

- c. A water supply system for each lot of the proposed subdivision, in conformance with the requirements of Chapters 21 and ~~23~~ 24 of this Code. In addition thereto, such water supply system shall be connected to the Village water system at the most advantageous

point, taking into account the size of the Village water main at such point and the expected demands of the proposed subdivision. Dead-end water mains shall be avoided.

- e. A sanitary sewer system for each lot meeting all specifications of Chapters 22 and ~~23~~ 24 of this Code and the regulations of the Metropolitan Water Reclamation District of Greater Chicago. Such sanitary sewer system shall be connected to the sanitary sewer system of the Village at such point or points as the Director of Engineering shall determine, based upon the location and size of the Village sanitary sewer system in relation to the estimated flow of the sanitary sewer system of the proposed subdivision.
- f. A storm sewer system, separate and independent of the sanitary sewer system, meeting all specifications of Chapters 22 and ~~23~~24 of this Code. Such storm sewer system shall be connected to an existing storm sewer system of the Village where available; if such connection is unavailable, other adequate means for the discharge of such storm system shall be provided by the developer.
- g. A street lighting system meeting the requirements of Chapter ~~23~~ 25 of this Code.

SECTION ELEVEN: The provisions of this Ordinance are hereby declared to be severable and the invalidity of any phrase, clause or part of this Ordinance shall not affect the validity or effectiveness of the remainder of this Ordinance.

SECTION TWELVE: All ordinances or parts of ordinances in conflict with the provisions of this Ordinance are hereby repealed.

SECTION THIRTEEN: This Ordinance shall be in full force and effect as of March 1, 2020, after its passage, approval and publication in pamphlet form, in the manner provided by law.

AYES:

NAYS:

PASSED AND APPROVED this 17th day of February, 2020.

ATTEST:

Village President

Village Clerk

CODEAMENDMENTS:07-21-22-23-24-25-26-27-28-29 Building Regulations