

VILLAGE OF DOWNERS GROVE
REPORT FOR THE VILLAGE COUNCIL WORKSHOP
SEPTEMBER 8, 2009 AGENDA

SUBJECT:	TYPE:	SUBMITTED BY:
Adoption of Updated Building Codes and a Locally Administered Elevator Safety Program.	✓ Resolution Ordinance Motion Discussion Only	Tom Dabareiner, AICP Community Development Director

SYNOPSIS

Ordinances have been prepared adopting the International Code Council's (ICC) 2006 series of building and fire codes, the 2008 National Electrical Code, and updated amendments to the 2004 State of Illinois Plumbing Code. Additionally, a resolution has been prepared entering the Village into an agreement with the State of Illinois for locally administering an Elevator Safety Program.

STRATEGIC PLAN ALIGNMENT

The Five Year Plan and Goals for 2008-2013 identified *Exceptional Municipal Organization* with a supporting objective of *Providing Top Quality Core Services Responsive to Current and Future Community and Citizen Needs*. Also identified was the goal of *Preservation of Our Residential and Neighborhood Character* with a supporting objective of *Homes and Rental Units Up to Code*.

FISCAL IMPACT

N/A

RECOMMENDATION

Approval on the September 15, 2009 active agenda.

BACKGROUND

The Village's current building code was adopted in April, 2005. The building code that was adopted at that time was the 2000 edition of the ICC codes. Staff is proposing that the Village update to the 2006 edition of the ICC's building and fire codes, and the *2008 National Electrical Code*. These codes would apply to all commercial and residential buildings throughout the community. The 2006 editions are the most widely adopted codes in the western suburbs. Adoption of these codes would be consistent with comparable communities.

Additionally, since 1985, the Village has operated a local elevator safety program with Elevator Inspection Services, Inc. (EIS). This program has consisted of performing plan reviews and inspections for new and existing elevators and other types of vertical conveyances such as escalators, hoists, and platform lifts through a building permit process and annual inspections. The State of Illinois has more recently passed legislation requiring a municipality to enter into an agreement by resolution with The Office of the State Fire Marshall (OSFM) of Illinois to continue to operate a locally administered program and indicate compliance with standards at least as stringent as those of the State. The legislation was prompted by elevator accidents that had occurred in rural areas of the State that had no program in place. Currently, 166 jurisdictions, primarily in the Chicagoland area, have opted to enter into this agreement. If a municipality chose not to operate a local program, the State would directly regulate vertical conveyances within a municipality. Agreeing to the resolution would mean no change to the Village's elevator inspection program and would maintain greater scrutiny than afforded through the state program.

The specific codes targeted for adoption are:

- *2006 International Residential Code* – governs construction of one and two-family residential buildings
- *2006 International Building Code* – governs construction of all other use types
- *2006 Property Maintenance Code* – governs maintenance of all existing buildings and properties.
- *2006 International Fire Code*- governs construction and maintenance of life safety systems in commercial and multi-family buildings
- *2009 Energy Conservation Code*,
- *2006 Fuel Gas Code*,
- *2006 Mechanical Code*,
- *2008 National Electrical Code* - govern new construction in all building types
- (Note: Additional Codes already in place are the *2004 State of Illinois Plumbing Code* and the *2003 NFPA Life Safety Code*)
- Nine industry standards for vertical conveyances from ANSI, ASME, and ASCE, consistent with State requirements – governs the installation and inspection of new and existing elevators, escalators, platform lifts, hoists, and dumbwaiters

Staff emphasized the following key concepts and strategies with the code adoption proposals:

- Align all regulations with specific Strategic Plan goals.
- Produce code books that are as clear and user friendly as possible.
- Reduce the number of local amendments.
- Maintain consistency with existing ordinance provisions of the Municipal Code and provide cross references.
- Enhance clarification of the code books as written.
- Maintain and provide code provisions that address local construction practices.
- Only include amendments that measure up favorably to a benefit/cost analysis.
- Align the Village's regulations with comparable communities.
- Obtain buy-in from the area builders, developers and property managers.

The following list highlights some of the specific key components and that will be accomplished with the proposed updates:

- Several residential construction existing local amendments have been eliminated in order to follow the baseline codes representing recognized industry standards.
- Sections have been reorganized and enhanced to increase the ability to locate and understand regulations for commonly reoccurring questions.
- Several cross references to State regulations, other code book sections, and the Municipal Code have been incorporated to increase usability of all documents.
- Conflicting provisions between various code books have been eliminated as well as provisions that do not apply to this geographic area of the country.
- One overall updated administrative section will exist in the Municipal Code that applies to all the various code books being adopted.
- Some updated definitions and code provisions from the 2007 ICC code development supplement have been incorporated to increase accuracy, add clarity, and assist with code enforcement activities.
- Long standing and recognized enhanced fire safety regulations have been maintained.
- Updates and clarifications have been provided for the pre-occupancy ordinance compliance approval procedure.

- Clarification on materials that can be used for construction in certain zoning districts such as the downtown area has been added.
- State authorized standards have been incorporated that assist with sizing water service supply lines for existing residences that are being remodeled.

Staff requested input on the proposed update from the Downers Grove Chamber of Commerce, contractors, builders, developers, architects and property managers. Staff representatives met with these individuals on three occasions at the Downers Grove Chamber of Commerce. The IRC proposed amendments were presented on May 14, 2009. The Mechanical, Fuel Gas, Energy Conservation, and Property Maintenance Codes were presented on May 21, 2009. The International Building Code, Electrical, Plumbing, and Fire Code were presented on July 16, 2009.

Based on input from this group of stakeholders, some modifications were made to the proposed codes. The adjustments centered on clarifying proposed language. There were helpful dialogues and no unaddressed or significant objections to the updates or the proposed amendments. Staff recommends approval of the building codes as proposed.

ATTACHMENTS

Ordinance
Resolution
Agreement

ORDINANCE NO. _____

AN ORDINANCE ADOPTING THE 2006 INTERNATIONAL RESIDENTIAL CODE AND AMENDMENTS THERETO

BE IT ORDAINED by the Village Council of the Village of Downers Grove in DuPage County, Illinois, as follows: (Additions are indicated by shading/underline; deletions by ~~strikeout~~):

Section 1. Section 7.14. is hereby renumbered to be Section 7.1201.

7.14. 2000 International Residential Code - Adoption.

—(a)—The ~~2000~~2006 International Residential Code, is hereby adopted for the purpose of establishing rules and regulations for the construction, alteration, removal, demolition, equipment, use, occupancy, location and maintenance of one- and two- family dwellings as defined therein. The same is adopted in its entirety, except such portions as are hereinafter deleted, modified or amended, and is, together with such amendments, incorporated as fully as if set out at length herein. At least one copy of said Code, including amendments thereto, shall be filed in the office of the Village Clerk, and additional copies shall be available in the Community Development Department.

—(b)—

Section 2. That Section 7.1202. is hereby added to read as follows:

7.1202. International Residential Code - Amendments.

The deletions from and modifications and amendments to the ~~2000~~2006 International Residential Code are the following:

Section R101.1 is amended by deleting the same in its entirety and by substituting in lieu thereof the following:

R101.1 Title. These regulations shall be known as the Residential Code for One- and Two-family Dwellings of the Village of Downers Grove, and shall be cited as such and will be referred to herein as "this code".

Section R103 through Section R104 are amended by deleting the same in their entirety and addressed in Chapter 7, Article II of the Downers Grove Municipal Code.

Section R105.1 is amended by deleting the same in its entirety and addressed in Chapter 7, Article III of the Downers Grove Municipal Code.

Subsection R105.2 is amended by deleting the same in its entirety and by substituting in lieu thereof the following:

R105.2 Work exempt from permit. Permits shall not be required for the following. Exemption from the permit requirements of this code shall not be deemed to grant authorization for any work to be done in any manner in violation of the provisions of this code or any other laws or ordinances of ~~this jurisdiction~~the Village

1. One-story detached accessory structures, provided the floor area does not exceed one hundred (100) square feet and is not more than ten (10) feet from the highest point on the roof to grade.

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2. Retaining walls that are not more than three feet in height measured from the ~~bottom of the footing grade~~ to the top of the wall.

3. Painting, papering, tiling, carpeting, ~~cabinets, counter tops, fixture and appliance replacements.~~

4. ~~Swings and other playground equipment.~~

5. ~~Window awnings supported by an exterior wall and do not require additional support.~~

46. ~~Windows that are the same size as the ones being replaced. Exception: Homes that have received historic designation by the Village Council.~~

7. ~~Aluminum or vinyl siding replacement. Exception: Homes that have received historic designation by the Village Council.~~

58. ~~Replacement water heaters, furnaces and air-conditioning units.~~

69. ~~Re-roofing work involving the replacement of shingles only as long as the structural members are left undisturbed.~~

7. ~~Replacement Furnaces and air conditioning units~~

Section R105.3 through Section R105.3.1 are amended by deleting the same in their entirety and addressed in Chapter 7, Article III of the Downers Grove Municipal Code.

Section R105.3.1.1 is deleted in its entirety

Section R105.3.2 through Section R105.8 are amended by deleting the same in their entirety and addressed in Chapter 7, Article III of the Downers Grove Municipal Code.

Section R106 is amended by deleting the same in its entirety and addressed in Chapter 7, Article IV of the Downers Grove Municipal Code.

Section R108 is amended by deleting the same in its entirety and addressed in Chapter 7, Article VIII of the Downers Grove Municipal Code.

Subsection R106.1 is amended by deleting the same in its entirety and by substituting in lieu thereof the following:

— Three or more sets of Construction documents and manufactures installation instructions shall be presented with each application for permit. Where the cost of the construction is in excess of ten thousand dollars (\$10,000.00) the construction documents shall be prepared by an Illinois State registered Architect or Structural Engineer. Documents for detached garages, decks, front porches and gazebos will not need a design professional drawing unless it is determined by the Code Official that special conditions exist. If any special conditions exist with the construction of any structure the Building Official is authorized to require additional construction documents which must be prepared by an Illinois State registered Architect or Structural Engineer. The Code Official also has the right to eliminate the requirements for drawings by a registered professional if it is determined that no structural work is being done.

Subsection R106.2 is amended by deleting the same in its entirety and by substituting in lieu thereof the following:

— The construction documents submitted with the application for permit shall be accompanied with a plat of survey. Either of the following two methods can be used to show the proposed work on the property:

— 1. The following information can be depicted on the plat of survey. The size and location of the new construction, the existing structures on the site and the distances from the lot lines.

— 2. A site plan drawn and stamped by the Illinois State registered Architect or Structural Engineer of record, depicting the size and location of the new construction, the existing structures on the site and the distances from the lot lines.

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~~In the case of demolition, the site plan or survey shall show the construction to be demolished.~~

Subsection R107.4 is amended by deleting the same in its entirety and by substituting in lieu thereof the following:

~~— The Building Official is authorized to terminate such permit for a temporary structure or use and to order the temporary use discontinued immediately. Any structures related to the temporary use must be removed within fourteen (14) days.~~

Subsections R109.1, R109.1.1, R109.1.2, R109.1.3, 109.1.4, 109.1.5.1 are amended by deleting the same in their entirety and by substituting in lieu thereof the following:

~~— The Building Official, upon notification from the permit holder or his/her agent, shall make or cause to be made any necessary inspections and shall either approve that portion of the construction as completed or shall notify the permit holder or his/her agent wherein the same fails to comply with this code.~~

Required Inspections:

- ~~1. — Footing, Prior to installation of concrete. Contractor or representative is required to be present for this inspection.~~
- ~~2. — Foundation, prior to backfill.~~
- ~~3. — For new construction a spot survey is to be provided, checked and approved prior to any additional work being done.~~
- ~~4. — Plumbing, a stack test is required, with water from the highest drain. Contractor or representative is required to be present for this inspection.~~
- ~~5. — Rough Framing and Electrical, Contractor or representative is required to be present for this inspection.~~
- ~~6. — Insulation, Contractor or representative is required to be present for this inspection.~~
- ~~7. — Electrical certification.~~
- ~~8. — Commercial Ceiling, Contractor or representative is required to be present for this inspection.~~
- ~~9. — Garage Floor, Contractor or representative is required to be present for this inspection.~~
- ~~10. — Basement Floor.~~
- ~~11. — Floors on Grade.~~
- ~~12. — Final, Contractor or representative is required to be present for this inspection.~~

A spot survey will be required by the Director of Community Development or the Chief Building Inspector when the need for further clarification is required for the proper placement of a structure on a zoning lot.

Section R109.1.1 is amended by deleting the phrase "or equipment and special requirements for wood foundations"

Section R109.1.1.1 is hereby added as follows:

R109.1.1.1 Approval of a spot survey. A spot survey indicating the top of foundation elevation and the foundation distances to lot lines must be submitted and approved by the building official prior to the commencement of framing on the foundation.

Section R109.1.3 is amended by deleting the reference to Table R301.2(1) and substitute in lieu thereof the following:

"local flooding data"

Section R109.1.5 is amended by deleting the same in its entirety and by substituting in lieu thereof the following:

R109.1.5 Types of inspections. In addition to the called inspections above, the building official

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may make or require any other inspections to ascertain compliance with this code and other laws enforced by the building official. Additional inspections required include but are not limited to:

1. Pre-construction, site management inspection
2. Foundation and drain tile prior to backfill
3. Any and all underground utilities
4. Rough framing, electrical, mechanical, plumbing systems
5. Plumbing stack test with water from the highest fixture
6. Insulation with required fire blocking and draft stopping in place
7. New or upgraded electrical service installations prior to activation of service
8. Concrete pours prior to placement of concrete for all exterior and interior slabs on grade, basement and garage floors, stoops, steps, porches, deck piers.

Section R109.1.5.2 is deleted in its entirety.

Section R109.1.6.1 is hereby added as follows:

R109.6.1. Agency approvals. Approval from the Downers Grove Sanitary District will be required as applicable to the type of project.

Section R110 is amended by deleting the same in its entirety and addressed in Chapter 7, Article VII of the Downers Grove Municipal Code.

Section R112 is amended by deleting the same in its entirety and addressed in Chapter 7, Article IX of the Downers Grove Municipal Code.

Section R113 is amended by deleting the same in its entirety and addressed in Chapter 7, Article X of the Downers Grove Municipal Code.

Section R114 is amended by deleting the same in its entirety and addressed in Chapter 7, Article V of the Downers Grove Municipal Code.

CHAPTER 2

Section R202 is amended by adding the following definitions:

Section R202 Definitions.

ADHERED STONE OR MASONRY VENEER. Stone or masonry veneer secured and supported through the adhesion of an approved bonding material applied to an approved backing.

AIR-IMPERMEABLE INSULATION. An insulation having an air permeance equal to or less than 0.02 at 75 Pa pressure differential tested in accordance with ASTM E2178 or E 283.

FLOOD HAZARD AREA. An area as defined by local flooding data.

RESCHECK. A proprietary software application for determining compliance with the International Energy Conservation Code.

TERMITE-RESISTANT MATERIAL. Pressure-preservative treated wood in accordance with the AWPAs standards in Section R319.1, naturally durable termite-resistant wood, steel, concrete, masonry or other approved material.

VAPOR RETARDER CLASS. A measure of the ability of a material or assembly to limit the amount of moisture that passes through that material or assembly. Vapor retarder class shall be defined using the desiccant method with Procedure A of ASTM E 96 as follows:

Class I: 0.1 perm or less

Class II: perm greater than .1 but less than or equal to 1.0 perm

Class III: perm greater than 1.0 but less than or equal to 10 perm

Section R202 is further amended by deleting the following definitions:

Section R202 Definitions.

CONFINED SPACE.

UNUSUALLY TIGHT CONSTRUCTION.

VAPOR RETARDER.

CHAPTER 3

Section R301.1.1 is deleted in its entirety.

Section R301.1.3 is amended by deleting the same in its entirety and by substituting in lieu thereof the following:

R301.1.3. Engineered design. When a building of otherwise conventional construction contains structural elements exceeding the limits of Section R301 or otherwise not conforming to this code, these elements shall be designed in accordance with accepted engineering practice. Engineered design in accordance with the International Building Code is permitted for all buildings and structures, and parts thereof, included in the scope of this code.

Section R301.2.1.1 is deleted in its entirety.

Table R301.2(1) is hereby amended as follows:

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

Wind	Seismic Design Category	Subject To Damage From				Winter Design Temp.	Flood Hazards
Speed (mph)		Weathering	Frost Depth	Termite	Decay		
90 (mph)	17-B	Severe	42" inches	Slight to Moderate	Slight to Moderate	0 degrees	Village Zoning

Ground Snow Level	Wind Speed	Seismic Design Category	Subject to Damage From			Winter Design Temp	Ice Barrier Underlayment Required	Flood Hazards	Air Freezing Index	Mean Annual Temp
			Weathering	Frost line depth	Termite					

2006 Residential Code

25 psf	90 MPH (3 second gust at 33 feet above grade)	B	Severe	42"	Moderate to Heavy	-4 degrees	Yes	Village Zones	2000	50 degrees
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Section R301.2.1.2 is deleted in its entirety.

Table R301.2.1.2. is deleted in its entirety.

Section R301.2.1.4 shall be amended by deleting condition #1 and condition #4.

Section R301.2.2.1.2 through Section 301.2.2.4.5 are hereby deleted in their entirety.

Section R301.2.4 first paragraph is amended by deleting the same in its entirety and by substituting in lieu thereof the following:

R301.2.4 Floodplain construction. Buildings or structures constructed in whole or in part in flood hazard areas as determined by local flooding data, shall be designed and constructed in accordance with Section 26.62 of the Village of Downers Grove Municipal Code.

Table 301.5 shall be amended by modifying sleeping room use live load "30" as follows:

"40"

~~Section R302, is amended by deleting the same in its entirety and by substituting in lieu thereof the following new Section:~~

~~Placement of the structure on the property will be governed by the requirements in Chapter 28 of the Downers Grove Municipal Code.~~

Section R302.1 Exception #2 shall be amended as follows:

R302.1 Exceptions:

2. Detached garages accessory to a dwelling located within five (5) feet of a lot line are permitted to have roof eave projections not exceeding eighteen (18) inches.

Section R305.1 Exception #5 is hereby added as follows:

R305.1 Exceptions:

5. Crawl spaces containing utilities requiring maintenance and servicing shall have a minimum clear height of thirty (30) inches from the slush coat to the bottom of the floor joists.

Section R309.1 is amended by adding the following to the end of the paragraph:

"The door shall be self closing and self latching."

Section R309.1.1 is amended by deleting the same in its entirety and by substituting in lieu thereof the following:

R309.1.1 Duct penetration. Ducts in the garage penetrating the walls or ceilings separating the dwelling from the garage shall be constructed of a minimum No. 26 gage sheet steel or other approved material and shall have no openings into the garage and shall be covered with a minimum of ½ inch gypsum board.

Section R309.1.1.1 is hereby added as follows:

R309.1.1.1 Separation from heating units. A common door between the garage and the main

house heating unit shall not be permitted.

Section R309.1.1.2 is hereby added as follows:

R309.1.1.2 Installation of garage heaters. Heaters installed in garages shall be installed per the provisions of Section 304 of the 2006 International Mechanical Code as adopted and amended.

Subsection R309.2, is amended by deleting the same in its entirety and by substituting in lieu thereof the following:

~~An attached garage shall be separated from the residence and its attic area by not less than 5/8 inch type X gypsum board or equivalent applied to the garage side. Where the separation is a floor-ceiling assembly, the structure supporting the separation shall also be protected by not less than 5/8 inch type X gypsum board or equivalent. Garages located less than ten (10) feet from a dwelling unit on the same lot shall be protected with not less than 1/2 inch gypsum board applied to the interior side of exterior walls that are within this area. Openings in these walls shall be regulated by Section R309.1.~~

Section R309.3.1 is hereby added as follows:

R309.3.1 Gas curb. The garage floor surface shall be a minimum of 6 inches below the adjacent top of foundation for the common walls with the living space. A six (6)-inch high by four (4)-inch wide concrete gas curb may be poured against the common walls in lieu of the six (6) inch difference in elevation.

Subsection R309.5, is amended by deleting the same in its entirety.

Section R309.6 is amended by deleting the same in its entirety and by substituting in lieu thereof the following:

R309.6 Automatic garage door openers. Automatic garage door openers, if provided, shall be listed in accordance with UL 325 and wired in accordance with the provisions of the 2008 National Electrical Code.

Section R310.1 is amended by deleting the first three sentences in their entirety and by substituting in lieu thereof the following:

R310.1 Energy escape and rescue required. Basements and every sleeping room shall have at least one (1) operable emergency and rescue opening. Such opening shall open directly into a public street, public alley, yard or court. Where basements contain one (1) or more sleeping rooms, emergency egress and rescue openings shall be required in each sleeping room and a minimum of one (1) in the main area that can be accessed without passing through a room subject to locking.

Section R310.2.2 is hereby added as follows:

R310.2.2 Window well covers. All window wells shall be covered by a metal grate-type or reinforced fiberglass cover capable of supporting a weight of two hundred fifty (250) lbs. The cover shall be easily removable from the inside without the use of keys, tools, or special knowledge.

Subsection R311.1, is amended by deleting the same in its entirety and by substituting in lieu thereof the following:

~~Not less than two exit doors on the main level as remote as possible from each other conforming with subsections 311.2, 311.3 of this code shall be provided from each dwelling unit. The required exit doors shall provide for direct access from the habitable portion of the dwelling to the exterior without requiring travel through a garage.~~

Section R311.5.8.1 is amended by adding the following sentence at the end of the paragraph:

"Spiral stairways shall not be part of a required means of egress."

Section R312.1 is amended by adding the following sentence at the end of the first paragraph:

"Decorative planter boxes, and built-in seating that do not comply with these height requirements shall not be substituted for providing the required guard."

~~Subsection R312.2, is amended by deleting the same in its entirety and by substituting in lieu thereof the following:~~

~~——— The width of each interior landing shall not be less than the stairway or door served. The minimum size of a landing for exterior doorways will be 44 inches x 48 inches. Landings will be required at the top and bottom of all stairways.~~

Section R313 is amended to read as follows:

SECTION R313

SMOKE ALARMS AND CARBON MONOXIDE ALARMS

~~Section R313, is amended by deleting the same in its entirety and by substituting in lieu thereof the following:~~

~~——— The latest edition of the Illinois Accessibility Code and HUD will govern ramp construction.~~

Section R313.2.1 is amended to add the following condition:

3. Installation, alteration, or repairs of plumbing or mechanical systems that do not result in the removal of interior wall or ceiling finishes exposing the structure, are exempt from the requirements of this section.

Section R313.4 is hereby added as follows:

R313.4 Carbon Monoxide Detection. Every dwelling unit shall be equipped with at least one approved carbon monoxide alarm within fifteen (15) feet of every room used for sleeping purposes. The carbon monoxide alarm may be combined with the smoke detecting devices provided that the combined unit emits an alarm in a manner that clearly differentiates the hazards. The carbon monoxide alarms may be either battery powered, plug- in with battery back-up, or wired into the structure's AC power line with a secondary battery back-up.

~~Subsection R314.5, is amended by deleting the same in its entirety.~~

~~Subsection R314.9, is amended by deleting the same in its entirety.~~

~~Subsection R316.1, is amended by deleting the same in its entirety and by substituting in lieu thereof the following:~~

~~——— Porches, balconies, and decks shall have guard rails not less than 36 inches in height. Open sides of stairs with a total of three risers or more above the floor or grade below shall have guards not less than 34 inches in height measured vertically from the nosing of the treads.~~

Section R317.2 exception shall be amended to delete the words "Chapters 33 through 42" and by substituting in lieu thereof the following:

"the National Electrical Code as adopted and amended by the Village"

Section R318.1 shall be amended to delete Exception #3.

Section R319.1 Condition #1 shall be amended to add the following to the beginning of Condition #1:

"Structural members for all exterior decks and porches,"

Section R319.1 shall further be amended to delete Condition #2 and by substituting in lieu thereof the following:

2. All wood framing members that rest on concrete or masonry exterior foundation walls.

Section R319.1.3 shall be deleted in its entirety.

Section R320.5 shall be deleted in its entirety.

Section R321.1 is amended by deleting the same in its entirety and by substituting in lieu thereof the following:

R321.1 Premises identification. Buildings shall have mounted address numbers placed in a position that is plainly legible from the street fronting the property. Where the distance from the street to the building does not allow for the numbers to be easily viewed, alternative signage shall be provided subject to the review and approval of the Building Official. Address numbers shall be a minimum of four (4) inches high with a minimum stroke width of .5 inches in Arabic font and contrast with their background.

~~Subsection R321.2, is amended by deleting the same in its entirety and by substituting in lieu thereof the following:~~

~~———— Townhouses: Each townhouse is to be considered a separate building and shall be constructed as follows:~~

~~———— 1. External Walls. If two buildings are located within thirty feet of each other, one of those buildings shall have a two-hour wall without openings on its side that is nearest the other building except that openings shall be permitted in exterior walls closer than 30 feet provided that the internal walls of the end units are two-hour rated firewalls.~~

~~———— 2. Internal Walls~~

~~———— Internal walls shall be provided in accordance with one of the following two options:~~

~~———— (i) Option 1. A two-hour rated firewall extending to the underside of the roof without openings shall be provided between each dwelling unit. The roof sheathing four feet on each side of the firewall shall be of an approved non-combustible material or fire-retardant wood. If a two-hour rated firewall is extended to a minimum of two feet above the roof, non-combustible roof sheathing shall not be required on either side of the firewall.~~

~~———— (ii) Option 2. A one-hour rated firewall extending to the underside of the roof without openings shall be provided between each dwelling unit consistent with all other requirements of Option 1; provided that an electrically supervised fire suppression system is installed within each townhouse dwelling unit in compliance with N.F.P.A. 13 R.~~

~~———— (b) Townhouse structures containing six or more dwelling units shall have at least one-hour rated firewalls extending to the underside of the roof without openings between each dwelling unit consistent with all other requirements of Option 1 above, and shall have an electrically supervised fire suppression system in each townhouse dwelling unit installed in compliance with N.F.P.A. 13 R."~~

~~———— (c) Townhouse structures containing one or more dwelling units with an aggregate floor area of 3,000 square feet or more (excluding square footage of any garage) shall have at least one-hour rated firewalls extending to the underside of the roof without openings between each dwelling unit consistent with all other requirements of Option 1 above, and shall have an automatic fire detection system in accordance with the provisions of the Downers Grove Building Code and the Downers Grove Fire Prevention Code.~~

~~———— (d) If pre-engineered plywood "I" joists are used in the townhouse structure, the structure shall have a two-hour rated firewall extending to the underside of the roof without openings between each dwelling unit consistent with all of the requirements of Option 1 above, and shall have an electrically supervised fire suppression system in each dwelling unit installed in compliance with N.F.P.A. 13.~~

Section R324.1 is amended by deleting the same in its entirety and by substituting in lieu thereof the following:

R324.1 General. Buildings and structures constructed in whole or in part in flood hazard areas (including A or V Zones) as established by local flooding data shall be designed and constructed in accordance with the provisions contained in this section and the Village of Downers Grove Municipal Code Section 26.62.

Section R324.3 through Section 324.3.6 shall be deleted in their entirety.

~~Section R326, is amended by deleting the same in its entirety and by substituting in lieu thereof the following:~~

~~— Dwelling units that are required to be accessible will follow the latest edition of the Illinois Accessibility Code and HUD.~~

~~Section R327, is amended by deleting the same in its entirety.~~

CHAPTER 4

Section R401.1 is amended to delete the last sentence of the first paragraph.

Section R401.1 is further amended to delete the exceptions.

Section R401.1 is further amended to delete the last paragraph of the section.

Section R401.2 is amended by deleting the words "wood and" from the last sentence.

Section R401.2.1 shall be added as follows:

R401.2.1 Weather-related construction methods. All concrete preparation, placement, and protection for footings, foundations, and flatwork with temperature conditions below freezing shall be in accordance with accepted industry standards and the protection provisions of ACI 318 when applicable.

Section R402.1 through Section R402.1.2 are deleted in their entirety.

Section R402.3.1 is hereby added as follows:

R402.3.1 Precast concrete foundation materials. Materials used to produce precast concrete foundations shall meet the following requirements.

1. All concrete used in the manufacture of precast concrete foundations shall have a minimum compressive strength of 5,000 psi at 28 days. Concrete exposed to a freezing and thawing environment shall be air entrained with a minimum total air content of 5 percent.
2. Structural reinforcing steel shall meet the requirements of ASTM A 615, A 706 or A 996, the minimum yield strength of the reinforcing steel shall be 40,000 psi Grade 40. Steel reinforcement for precast concrete foundation walls shall have a minimum concrete cover of 3.4 inch.
3. Panel-to-panel connections shall be made with Grade II Steel fasteners.
4. The use of non-structural fibers shall conform to ASTM C 1116.
5. Grout used for bedding precast concrete foundations placed upon concrete footings shall meet ASTM C 1107.

~~Subsection R402.1 is amended by deleting the same in its entirety.~~

~~Subsection R402.1.1, is amended by deleting the same in its entirety.~~

~~Subsection R402.1.2, is amended by deleting the same in its entirety.~~

Section R403.1 is amended by deleting the words "fully grouted masonry" and "wood foundations".

Table R403.1 is amended to delete "Masonry footings".

In Figure R403.1(1) exterior, W will equal the requirements for 2-story in table R403.1 but at no time will W be less than 10 inches.

Subsection R403.1.1 is amended by adding the following: deleting the phrase "masonry footings".

Only single-story wood frame construction, no brick or stone veneers room additions, and single-story wood frame construction, no brick or stone veneers garages where the space between the ceiling joists or wall ties is less than 40 inches will be able to use the foundation known as exterior in figure R403.1(1) of this code.

Section R403.1.1 is further amended by deleting the last sentence of the section.

Figure R403.1(2) and Figure R 403.1(3) are deleted in their entirety.

Subsection R403.2, is amended by deleting the same in its entirety.

Section R403.1.1.2 is added as follows:

R403.1.1.2 Open deck and gazebo piers. One-story wood deck structures without roofs, and free-standing gazebo type structures with roofs, shall be permitted to be constructed on concrete piers. The piers shall be spaced in accordance with proper structural design for the anticipated loading conditions. All wood supporting columns shall be anchored to the piers with galvanized post base anchors.

Section R403.1.1.3 is added as follows:

R403.1.1.3 Screen rooms and Three-season room foundations. Screen rooms and three-season rooms shall be supported on a minimum of an eight (8) inch wide continuous trench-type foundation.

Section R403.1.1.4 is added as follows:

R403.1.1.4 Stoop foundations. When constructed of concrete, stone or masonry materials, the main entry stoop or front porch exceeding three (3) risers in height shall be supported on a minimum of a continuous perimeter trench type foundation 42" deep. All other exterior stoops and stairs shall be supported on a minimum of wing walls tied with reinforcing bars to the main foundation or 8" diameter concrete piers, 42" deep.

Section R403.1.2 is amended by deleting the same in its entirety.

Section R403.1.3 is amended by deleting the same in its entirety.

Section R403.1.4.2 is amended by deleting the same in its entirety.

Section R403.1.5.1 is added as follows:

R403.1.5.1 Reinforcement of stepped foundations. Where stepped footings support continuous concrete foundations walls, a minimum of two (2) No. 4 steel reinforcing bars shall run continuously through the foundations wall for a minimum distance of one (1) foot beyond the ends of the footing break in both directions.

Section R403.1.6 is hereby amended to delete the words "In Seismic Design Categories".

Section R403.1.6 is further amended to add the following at the end of the second paragraph:

"Only steel shims and grout shall be permitted to fill sill plate gaps. No wood or loose shims shall be permitted."

Section R403.1.6.1 is amended by deleting the same in its entirety.

Subsection R403.2, is amended by deleting the same in its entirety.

Section R403.3 is amended by deleting the same in its entirety.

Figure R403.3(1), (3) and (4) are amended by deleting the same in their entirety.

Section R403.3.1 through Section 403.3.4 are amended by deleting the same in their entirety.

Section R404.1 is amended by deleting the number "3.5 inches (89 mm)" and substituting in lieu thereof the following:

"4.0 inches"

Section R404.1.1, Section R404.1.2, Section R404.1.4 and Section R404.1.5.1 are amended by deleting the words "In Seismic Design Categories D"

Section R404.1.8 is amended by deleting the same in its entirety.

Subsection R404.2, is amended by deleting the same in its entirety.

Subsection R404.2.1, is amended by deleting the same in its entirety.

Subsection R404.2.2, is amended by deleting the same in its entirety.

Subsection R404.2.3, is amended by deleting the same in its entirety.

Table R404.2.3 is amended by deleting the same in its entirety.

Table R404.2.4 is amended by deleting the same in its entirety.

Table R404.2.5 is amended by deleting the same in its entirety.

~~Subsection R404.2.4, is amended by deleting the same in its entirety.~~

~~Subsection R404.2.5, is amended by deleting the same in its entirety.~~

~~Subsection R404.2.6, is amended by deleting the same in its entirety.~~

Section R404.3 is amended by deleting the same in its entirety and by substituting in lieu thereof the following:

R404.3. Wood sill plates. Wood sill plates shall be a minimum of two (2)-inch by four (4)-inch nominal lumber. Sill plate anchorage shall be in accordance with Sections R403.1.6 and R602.11. Sill plates shall be of naturally durable or pressure-treated wood.

Section R404.4 is amended by deleting the same in its entirety and by substituting in lieu thereof the following:

R404.4 Insulating concrete form foundation walls. Insulating concrete form (ICF) foundation walls shall be designed and constructed in accordance with the provisions of this section or in accordance with the provisions of ACI 318. Project drawings, typical details and specifications are required to bear the seal of a State of Illinois licensed architect or structural engineer responsible for the design.

Section R404.4.1 is hereby amended to delete the words "In Seismic Design Categories".

Section R404.4.7.2 is amended by deleting the same in its entirety.

Section R405.1 is amended by deleting the same in its entirety and by substituting in lieu thereof the following:

R405.1 Concrete or masonry foundations. Drains shall be provided around all concrete or masonry foundations that retain earth and enclose habitable or usable spaces located below grade. A

continuous perforated pipe, six (6) inch minimum diameter, shall be place on a minimum of two (2) inches of washed gravel and covered with not less than six (6) inches of the same material. A sump pit and pump shall be provided. The sump pump discharge shall be in accordance with Section 26.62 of the Downers Grove Municipal Code.

Section R405.1 is further amended by deleting the exception.

Section R405.2 through Section R406.3.4 are amended by deleting the same in their entirety.

Subsection R405.2, is amended by deleting the same in its entirety.

Subsection R406.3, is amended by deleting the same in its entirety.

Subsection R406.3.1, is amended by deleting the same in its entirety.

Section R407.3 is amended by deleting the same in its entirety and by substituting in lieu thereof the following:

R407.3 Structural requirements. The columns shall be restrained to prevent lateral displacement at the bottom and top end. Wood columns shall not be less in nominal size than four (4) inches by four (4) inches and steel columns shall not be less than three (3)-inch diameter standard pipe or approved equivalent. No loose steel shims shall be permitted at the top or bottom ends. Shims must be welded or bolted through to the steel beam being supported.

Section R407.3 is further amended by deleting the exception.

Section R408.3 is amended by deleting the same in its entirety and by substituting in lieu thereof the following:

R408.3 Unvented crawl space. Ventilation openings in under-floor spaces specified in Sections R408.1 and R408.2 shall not be required where:

1. A two (2) inch minimum concrete slush coat floor slab is provided and one of the following is provided for the under-floor space.
 - 1.1 Continuously operated mechanical exhaust ventilation at a rate equal to one (1) cfm for each fifty (50) square feet of crawlspace floor area, including an air pathway to an adjacent conditioned space, and perimeter walls insulated in accordance with the International Energy Conservation Code.
 - 1.2 Conditioned air supply sized to deliver at a rate equal to one (1) cfm for each fifty (50) square feet of under-floor area, including a return air pathway to an adjacent conditioned space, and perimeter walls insulated in accordance with the International Energy Conservation Code.

Section R408.4 is amended to add the following at the end of the first paragraph:

"A minimum of thirty (30) inch vertical clearance is required for access requirements where mechanical equipment is located under floors."

Section R408.7 is amended by deleting the same in its entirety and by substituting in lieu thereof the following:

R408.7 Flood resistance. For buildings located in areas prone to flooding as established by local flooding data.

Subsection 408.5, is amended by deleting the same in its entirety and by substituting in lieu thereof the following:

———— The finished grade of underfloor surfaces (i.e. crawlspaces) shall be at least 24 inches from the

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~~bottom of the floor joists and shall have a 2 inch coating of concrete. These areas shall also include a floor drain connected to the sanitary system of the building. The concrete floor can be pitched in such a manner as to allow any liquid to flow from the underfloor surface to the existing area as long as the existing area has a properly installed floor drain. The pitch will need to be a minimum of 1/2 inch in 10 feet.~~

Subsection R408.6, is amended by deleting the same in its entirety.

CHAPTER 5

Subsection R502.1.4, is amended by adding the following sentence:

— Prefabricated wood I joists shall be inspected by an engineer from the selling agent and a letter of proper installation will be given to the Community Development Department before any other framing inspection.

Subsection R502.2.1, is amended by adding the following sentence:

— Only cantilevers not exceeding two (2) feet shall be accepted without a set of drawing that are prepared and stamped by a structural engineer registered in the state of Illinois or an Illinois registered architect.

Section R502.6 is amended by deleting the same in its entirety and by substituting in lieu thereof the following:

R502.6 Bearing. The ends of each joist, beam or girder shall have not less than one and a half (1.5) inches of bearing on wood or metal and not less than three (3) inches on masonry or concrete. Bearing for engineered lumber products must meet the requirements of the manufacturer.

Section R502.7 is amended by deleting the exception.

Section R502.7.1 is amended to add the following at the end of the first paragraph:

"Bridging split in nailing must be removed and replaced."

Section R504, is amended by deleting the same in its entirety.

Subsection 506.1, is amended by deleting the same in its entirety and by substituting in lieu thereof the following:

R506.1 General. Concrete slab-on-grade floors and exterior slabs, shall be a minimum of 4.0 inches thick (for expansive soils, see Section R403.1.8). The specified compressive strength of concrete shall be set forth in Section R402.2 for basements, 5 inches for garage floors and 4 inches for accessory buildings other than garages larger than 12 feet x 12 feet. The specified compressive strength of concrete shall be as set forth in subsection R402.2. of this code

Exception: Crawl space floors only need to be a minimum of 2 inches thick.

Exception: Crawl space floors shall consist of a minimum of 2 inches of concrete on a vapor retarder as specified in 506.2.3 on a base as specified in Section 506.2.2. If plumbing fixtures are located on the floor directly above the crawl space area, a floor drain shall be installed per the State of Illinois Plumbing Code.

Section R506.2 is amended by deleting the same in its entirety and by substituting in lieu thereof the following:

R506.2 Base. A four (4)-inch thick base course consisting of CA-6 type gravel, or three-fourths (3/4) inch crushed stone shall be placed and machine-compacted on the prepared subgrade for all slabs.

Section R506.2.3 is amended by deleting the Exception #1.

CHAPTER 6

Subsection R606.5 is amended by adding the following subsection:

~~———— R606.5.2 Deck piers shall be a minimum of 42 inches deep, 6 inches above finished grade and not less than 10 inches in diameter. Concrete piers will only be allowed for open porches and decks without roofs.~~

~~———— Wood may not be placed in the concrete pier.~~

Section R602.5 is amended by deleting the same in its entirety and by substituting in lieu thereof the following:

R602.5 Interior nonbearing walls. Interior nonbearing walls shall be permitted to be constructed with studs at sixteen (16) inches on center. Interior nonbearing walls shall be capped with at least a single top plate. Interior nonbearing walls shall be fire blocked in accordance with Section R602.8.

Section R602.7.2 is amended by deleting the last sentence of the paragraph.

Section R602.8.1 is amended by deleting "Batts or blankets or mineral wool or glass fiber or other approved materials installed in such a manner as to be securely retained in place shall be permitted as an acceptable fire block."

Section 602.8.1.1 is amended by deleting the same in its entirety and by substituting in lieu thereof the following:

R602.8.1.1 Unfaced fiberglass. When piping, conduit or similar obstructions are encountered, the insulation shall be packed tightly around the obstruction.

Section R602.8.1.3 is hereby added as follows:

R602.8.1.3 Draftstopping. For draftstopping requirements see Section R502.12.

Section R602.10 shall be amended to delete the phrase "For buildings in Seismic Design Categories D"

Table R602.10.1 shall be amended to delete Seismic Design Categories C and D

Section R602.10.2.2 is amended by deleting the same in its entirety.

Table R602.10.6 shall be amended to delete Seismic Design Categories C and D

Section R602.10.9, Section R602.10.11, Section R602.10.11.3 through Section R602.11.3 are amended by deleting the same in their entirety.

Section R606.1.1 is amended by deleting the same in its entirety and by substituting in lieu thereof the following:

R606.1.1 Professional registration required. When the empirical design provisions of ACI 530/ASCE 5/TMS 402 Chapter 5 or the provision of this section are used to design masonry; project drawings, typical details and specifications are required to bear the seal of a State of Illinois licensed architect or structural engineer.

Section R606.4.2 is amended by deleting the same in its entirety and by substituting in lieu thereof the following:

R606.4.2 Support at foundation. Cavity wall or masonry veneer construction must be supported on a foundation wall of equal width of the wall system above.

Figure R606.11(2) and Figure R606.11(3) are amended by deleting the same in their entirety.

Section R606.12 through Table R606.12.4.2 are amended by deleting the same in their entirety.

Section R606.16 is hereby added as follows:

R606.16 Weep holes. See section 703.7.6 for weep hole requirements.

Section R607.1.3 is amended by deleting the same in its entirety.

Section R607.3 shall be amended to add Condition #3 as follows

3. See section 703.7.4 for wall tie spacing requirements.

Section R611.1 is amended by deleting the same in its entirety and by substituting in lieu thereof the following:

R611.1 General. Insulating concrete form (ICF) walls shall be designed and constructed in accordance with the provisions of this section or in accordance with the provisions of ACI 318. Project drawings, typical details and specifications and required to bear the seal of a State of Illinois licensed architect or structural engineer responsible for the design.

Section R611.2 is amended by deleting the second paragraph.

Section R611.6.1 is amended by deleting "In Seismic Design Categories D"

Section R611.6.2 is amended by deleting the same in its entirety.

R611.7.1.2 is amended by deleting the first and second paragraphs in their entirety and by substituting in lieu thereof the following:

R611.7.1.2 Vertical steel. Above-grade concrete walls shall have reinforcement in accordance with Sections R611.3, R611.4, or R611.5 and R611.7.2.

R611.7.1.3 is amended by deleting the second and third paragraph.

Section R611.7.4 is amended by deleting "Table R611.7 (11) shall be used to determine the minimum amount of solid wall length for townhouses in Seismic Design Category C, and all buildings in Seismic Design Categories D."

Table R611.8(2), Figure R611.8(6), Figure R611.8(7), Section R611.8.1.1 through Section R611.9.1 are amended by deleting the same in their entirety.

Section R613.7 is amended by deleting the same in its entirety.

CHAPTER 7

Section R702.3.2.1 is hereby added as follows:

R702.3.2.1 Concealment of framing. All framing of finished rooms, closets, storage areas, and under stairways shall have a minimum of one half (1/2) inch thick gypsum board applied.

Section R703.2 is amended by deleting Exception #1

Section R703.3.1 is amended by adding at the end of the paragraph the following sentence:

“All panels shall contain an approved rated siding grade mark. All panels shall be decorative in appearance such as T1-11 siding.”

Section R703.4 is amended by adding at the end of the paragraph the following sentence

“Siding materials shall not be nailed directly to studs unless the material is a structural rated panel designed for this purpose.”

Section R703.7 is amended by deleting Exception #2

Table R703.7(2) is amended by deleting the same in its entirety.

Section R703.7.2 is amended by deleting the same in its entirety.

Section R703.7.4.1 is amended by deleting the exception.

Section R704 is hereby added as follows:

R704 Weather caulking. All exterior openings in the exterior weather protective membrane shall be caulked with an elastic, non-hardening and firmly adhering material, the intersections of all wood to masonry, or dissimilar materials shall be caulked.

CHAPTER 8

Section R801.3 is amended by deleting the same in its entirety and by substituting in lieu thereof the following:

R801.3 Roof drainage. All dwellings and accessory buildings of four hundred (400) square feet or larger shall have a controlled method of water disposal from roofs that will collect and discharge roof drainage to the ground surface at least five (5) feet from foundation walls, or to an approved drainage system, or in a manner as reviewed and approved by the building official.

Section R802.5.1 is amended by deleting the same in its entirety and by substituting in lieu thereof the following:

R802.5.1 Purlins. Purlins shall be engineered by the design professional of record.

Table R802.5.1(7) is amended by deleting the same in its entirety.

Table R802.5.1(8) is amended by deleting the same in its entirety.

Section R802.7.1 is amended by deleting the exception.

Section R803.1 is amended by deleting the same in its entirety and by substituting in lieu thereof the following:

R803.1 Lumber sheathing. Allowable spans for lumber used as roof sheathing shall conform to

Table R803.1. Spaced lumber sheathing for wood shingle and shake roofing shall conform to the requirements of Sections R905.7 and R905.8.

Section R803.2.4 shall be added as follows:

R803.2.4 Sheathing supports. Sheathing clip supports or other methods approved by the design professional of record shall be used when framing centers exceed sixteen (16) inches o.c.

Section R806.1 is amended by amending the "1/8 inch minimum" and by substituting in lieu thereof the following:

"1/16 inch minimum"

Section R806.2 shall be amended to delete the last sentence of the first paragraph in its entirety and by substituting in lieu thereof the following:

"As an alternative, the net free cross-ventilation area may be reduced to 1/300 when a Class I or II vapor barrier is installed on the warm-in-winter side of the ceiling."

Section R806.4 is amended by deleting Exception #3.

CHAPTER 9

Section R903.4.2 is hereby added as follows:

R903.4.2 Gutters and downspouts.

1. Gutters and downspouts shall be installed on all dwelling units and accessory buildings that are four hundred (400) square feet or larger unless omission is specifically permitted by the building official.
2. Downspouts shall not be connected to the sanitary sewer system or to the footing draisile system unless specifically permitted by the building official. All outlets shall discharge into the front and rear yards through an open splash block or as otherwise permitted by the building official.
3. Gutter and downspout material shall consist of the following:
 - a. 16 ounce, hard, cornice tempered copper
 - b. 26 gauge galvanized sheet metal with a 1.25-ounce total weight psf zinc coating
 - c. Aluminum with a minimum gauge of .019
 - d. Vinyl or other material when permitted by the building official.

Section R905.2.4.2 is hereby added as follows:

R905.2.4.2 Fire resistance of asphalt shingles. Asphalt shingles shall be of Class C label or better per the requirements of Section 1505 of the International Building Code.

Section R905.2.7.2 is amended by deleting the same in its entirety.

Section R905.3.3.3 is amended by deleting the same in its entirety.

Section R907.7 is hereby added as follows:

R907.7 Ventilation. When re-covering or replacing an existing roof, the roof shall be ventilated in accordance with the requirements of Section R806.

CHAPTER 10

Section R1001.3 through Section R1001.3.2 are amended by deleting the same in their entirety.

Section R1001.4 through Section R1001.4.1 are amended by deleting the same in their entirety.

Section R1002.4 is amended by deleting the same in its entirety.

Section R1003.3 through Section R1003.4.1 are amended by deleting the same in their entirety.

Section R1003.11.3 is amended by deleting the same in its entirety and by substituting in lieu thereof the following:

R1003.11.3 Gas appliances. Flue lining systems for gas appliances shall be in accordance with the International Mechanical Code.

Section R1004.1.1 is hereby added as follows:

R1004.1.1 Insulated fire boxes. When a factory-built fireplace is installed on an outside wall, the frame cavity surrounding the firebox shall be insulated in the same manner as the adjacent wall areas. The product's rating for clearance to combustibles shall be maintained. A minimum of 1/2" gypsum board shall be installed over combustible materials extending from the bottom of the firebox to the firestop located above the appliance.

Section R1005.4.1 is hereby added as follows:

R1005.4.1 Chimney enclosures. Portions of the chimney which pass through habitable spaces or closets shall be enclosed in a drywall chase to avoid personal contact, contact with combustible material, and damage to the chimney.

Section R1005.4.2 is hereby added as follows:

R1005.4.2 Installation of firestops. Firestops shall be installed inside of the chase enclosing the factory-built chimney. The firestop device shall be as provided by the manufacturer for use with that specific chimney being installed. The firestops shall be placed at a minimum at the level of each ceiling that the chimney passes through or when located on an outside wall, at the points equivalent to each ceiling line. All installations shall meet the requirements of the manufacturer's installation guidelines.

Section R1005.4.3 is hereby added as follows:

R1005.4.3. Insulating of chase. When the enclosing fireplace chase is located on an outside wall or adjacent to an unheated area, it shall be insulated in the same manner as the adjacent walls up to the firestop. The insulation shall then be covered with 1/2 inch drywall.

Chapter 11 is amended by deleting the same in its entirety and by substituting in lieu thereof the following:

See the 2009 International Energy Conservation Code as adopted and amended by the Village.

CHAPTERS 12 through 23 - Residential Mechanical

Section M1201.1 is hereby amended to delete "24" and by substituting in lieu thereof the following:

"23"

Section M1201.2 is hereby amended to delete "24" and by substituting in lieu thereof the following:

"23"

Section M1405.1, Section M1406.1, Section M1406.2, and Section M1407.1 are hereby amended to delete the phrase "Chapters 33 through 42 of this code" and by substituting in lieu thereof the following:

"the applicable provisions of the 2008 National Electrical Code."

Section M1413.2 is amended by deleting the same in its entirety and by substituting in lieu thereof the following:

M1413.2 Protection of potable water. The potable water system shall be protected from backflow in accordance with the provisions of the State of Illinois Plumbing Code.

Section M1601.1.1 is amended by deleting Condition #7 and its subsections in their and by substituting in lieu thereof the following:

7. Stud wall cavities and the spaces between solid floor joists shall not be used for air plenums serving habitable spaces. Supply and return air shall be conveyed in a ducted system.

Section M1601.4 is amended by deleting the same in its entirety and by substituting in lieu thereof the following:

M1601.4 Under –floor plenums. An under floor space used as a supply plenum to a habitable space shall not be permitted.

Section M1801.1 and Section M2001.1.1 are amended by deleting reference to "Chapter 24" and by substituting in lieu thereof the following:

"the International Fuel Gas Code."

Section M2004.1 is amended by deleting the same in its entirety and by substituting in lieu thereof the following:

M2004.1 General. Water heaters used to supply both potable hot water and hot water for space heating shall be installed in accordance with this chapter, the manufacturer's installation instructions, the 2006 International Fuel Gas Code, and the 2008 National Electrical Code.

Section M2005.1 shall be amended to delete reference to "Chapter 24" and and by substituting in lieu thereof the following:

"The International Fuel Gas Code."

Section M2005.3 is amended by deleting the same in its entirety and by substituting in lieu thereof the following:

M2005.3 Electric water heaters. Electric water heaters shall also be installed in accordance with the applicable provisions of the 2008 National Electrical Code.

Chapter 24 is amended by deleting the same in its entirety and by substituting in lieu thereof the following:

See the 2006 International Fuel Gas Code as adopted and amended by the Village.

Chapter 25 through Chapter 42³² are amended by deleting the same in their entirety and by substituting in lieu thereof the following:

See the State of Illinois Plumbing Code as adopted and amended by the Village.

Chapter 33 through Chapter 42 are amended by deleting the same in their entirety and by substituting in lieu thereof the following:

See the 2008 National Electrical Code as adopted and amended by the Village.

The following appendices are adopted by reference as amended:

Appendix E is amended by deleting the same in its entirety.

Appendix F is amended by deleting the same in its entirety.

APPENDIX G

AG106.2 is amended by deleting the same in its entirety and by substituting in lieu thereof the following:

AG106.2 Suction Fittings. Pool and spa suction outlets shall have a cover that conforms to ANSI/ASME A112.19.8-2007 on every drain/gate.

APPENDIX K

~~Appendix H is amended by deleting the same in its entirety.~~

~~Appendix I is amended by deleting the same in its entirety.~~

~~Subsection AJ301.1.2 is amended by deleting the same in its entirety.~~

~~Subsection AJ301.2 is amended by deleting the same in its entirety.~~

~~Subsection AJ301.4 is amended by deleting the same in its entirety.~~

~~Subsection AJ501.2 is amended by deleting the same in its entirety.~~

~~Subsection AJ501.3 is amended by deleting the same in its entirety.~~

~~Subsection AJ501.5 is amended by deleting the same in its entirety.~~

~~Subsection AJ601 is amended by deleting the same in its entirety.~~

Section #3 That all ordinances or parts of ordinances in conflict with the provisions of this ordinance are hereby repealed.

Section #4. That this ordinance shall be in full force and effect from and after its passage and publication in the manner provided by law.

Mayor

Passed:

Published:

Attest: _____

Village Clerk

ORDINANCE NO. _____

**AN ORDINANCE ADOPTING THE 2006 INTERNATIONAL BUILDING CODE
AND AMENDMENTS THERETO**

BE IT ORDAINED by the Village Council of the Village of Downers Grove in DuPage County, Illinois, as follows: (Additions are indicated by **shading**/underline; deletions by ~~strikeout~~):

Section 1. That Section 7.1000.ART. is hereby added to read as follows:

7.1000.ART. Article X. INTERNATIONAL BUILDING CODE

Section 2. Section 7.7. is hereby renumbered to be Section 7.1001.

7.7. 2006 International Building Code Adoption

The International Code Council International Building Code, as promulgated by International Code Council ("ICC"), being particularly the ~~2000~~2006 edition thereof, is hereby adopted for the purpose of establishing rules and regulations for the construction, alteration, removal, demolition, equipment, use and occupancy, location and maintenance of buildings and structures, including permits and penalties required for such purposes. The same is adopted in its entirety, save and except such portions as are hereinafter deleted, modified or amended, and is, together with such amendments, incorporated as fully as if set out at length herein, and shall control in the construction of all buildings and structures therein regulated within the Village. Said Building Code, as modified and amended, may be referred to for all purposes as the "Downers Grove Building Code" or the "Building Code". At least one copy of said Code, including such amendments to it as shall be enacted, shall be filed in the office of the Village Clerk, and additional copies shall be available in the Community Development Department of the Village. (Ord. No. 1281, § 1; Ord. No. 1586, § 1; Ord. No. 2143, § 2; Ord. No. 2584, § 2; Ord. No. 2857, § 2; Ord. No. 3184, § 2; Ord. No. 3391, § 2.)

Section 3. Section 7.9. is hereby renumbered to be Section 7.1002.

7.9. International Building Code - Amendments.

The deletions from and modifications and amendments to the ~~2000~~2006 International Building Code as referred to in ~~Section 7.7~~this Article are the following:

CHAPTER 1

~~(1)~~ **Section 101.1** is amended by deleting the same in its entirety and by substituting in lieu thereof the following:

101.1 Title. These regulations shall be known as the Building Code of the Village of Downers Grove, hereinafter referred to as "this code".

~~(2)~~ **Section 101.4.1** is amended by deleting the same in its entirety and by substituting in lieu thereof the following:

101.4.1 Electrical. The provisions of the National Electrical Code, as adopted and amended by the Village, shall apply to the installation of electrical systems, including alterations, repairs, replacement, equipment, appliances, luminaries, fittings and appurtenances thereto, and shall be referenced any time this

~~Code refers to electrical fixtures fittings and appurtenances thereto.~~

~~(3) Section 101.4.4 is amended by deleting the same in its entirety and by substituting in lieu thereof the following:~~

~~**101.4.4 Plumbing.** The provisions of the State of Illinois State Plumbing Code, as adopted and amended by the Village, shall apply to the installation, alteration, repairs, and replacement of plumbing systems, including equipment, appliances, fixtures, fittings and appurtenances, and where connected to a water sewage system and all aspects of a medical gas system. The provisions of the Village of Downers Grove Municipal Code shall apply to private sewage disposal systems.~~

~~(4) Section 101.4.6 is amended by deleting the same in its entirety and by substituting in lieu thereof the following:~~

~~**101.4.6 Fire Prevention.**~~

~~———— The provisions of the International Fire Code as adopted and amended by the Village shall apply to matters affecting or relating to structures, processes and premises regarding: (a) hazard of fire and explosion arising from the storage, handling or use of structures, materials or devices; (b) conditions hazardous to life, property or public welfare in the occupancy of structures or premises; and (c) construction, extension, repair, alteration or removal of fire hazards in the structure or on the premises from occupancy or operation.~~

~~(5)~~

~~Section 102 is amended by deleting the same in its entirety and addressed in Chapter 7, Article I of the Downers Grove Municipal Code.~~

~~Section 103 is amended by deleting the same it in its entirety and addressed in Chapter 7, Article II of the Downers Grove Municipal Code.~~

~~Section 104.1 through Section 104.8 are amended by deleting the same in their entirety and addressed in Chapter 7 Article II of the Downers Grove Municipal Code.~~

~~Section 104.9.1 is amended by deleting the first sentence.~~

~~Section 105.1.1 is amended by deleting the same it in its entirety.~~

~~Section 105.1.2 is amended by deleting the same it in its entirety.~~

~~(6) Section 105.2 is amended by deleting building conditions 1 through 13 in their the same in its entirety and by substituting in lieu thereof the following:~~

~~**105.2 Work exempt from permit.** Exemptions from permit requirements of this code shall not be deemed to grant authorization for any work to be done in any manner in violation of the provisions of this code or any other laws or ordinances of this jurisdiction. Permits shall not be required for the following:~~

~~Building:~~

- ~~1. One-story detached accessory structures used as tool, storage sheds, and similar uses with a floor area not exceeding one hundred (100) square feet.~~
- ~~2. Retaining walls that are not over three (3) feet in height measured from grade to the top of the wall.~~
- ~~3. Painting, papering, tiling, carpeting, cabinets, counter tops, and similar finish work.~~
- ~~4. Prefabricated swimming pools accessory to a Group R-3 occupancy that are less than 24 inches deep, do not exceed 5,000 gallons and are installed entirely above ground.~~
- ~~5. Nonfixed and movable fixtures, cases, racks, counters, and partitions not over 5 feet 9 inches in height.~~

Section 105.3 through Section 105.7 are amended by deleting the same in their entirety and addressed in Chapter 7 Article III of the Downers Grove Municipal Code.

Section 106.1 through Section 106.5 are amended by deleting the same in their entirety and addressed in Chapter 7, Article IV of the Downers Grove Municipal Code.

(7) ~~Section 105.7 is amended by deleting the same in its entirety and by substituting in lieu thereof the following:~~

~~—105.7 Placement of Permit. The building permit or copy shall be kept on the site and shall be visible from the street until the completion of the project.~~

(8) ~~Section 106.1 is amended by deleting the same in its entirety, leaving the exception and by substituting in lieu thereof the following:~~

~~—106.1 Submittal Documents. Construction documents shall be submitted in one or more sets with each application for permit. The construction documents shall be prepared by an Illinois registered Architect or Structural Engineer.~~

(9) ~~Section 106.2 is amended by deleting the same in its entirety and by substituting in lieu thereof the following:~~

~~—106.2 Site Plan. The construction documents submitted with the application for permit shall be accompanied by a site plan drawn and stamped by the Illinois State registered Architect or Structural Engineer of record. The drawing will show the size and location of the new construction, the existing structures on the site and the distances from the lot lines. A plat of survey must accompany the site plan. In the case of demolition, the site plan or survey shall show the construction to be demolished. The building official is authorized to waive or modify the requirement for a site plan when the application for permit is for alteration or repair or when otherwise warranted.~~

Section 108.1 through Section 108.6 are amended by deleting the same in their entirety and addressed in Chapter 7, Article VII of the Downers Grove Municipal Code.

Section 109.1 through Section 109.2 are amended by deleting the same in their entirety and addressed in Chapter 7, Article V of the Downers Grove Municipal Code.

(10) ~~Section 107.3 is amended by deleting the words "ICC Electrical Code" and substituting in lieu thereof the following:~~

~~—107.3 Temporary Power. The National Electrical Code as adopted and amended by the Village.~~

(11) ~~Section 107.4 is amended by deleting the same in its entirety and by substituting in lieu thereof the following:~~

~~—107.4 Termination of Approval. The building official is authorized to terminate a permit for temporary structure or use and to order the temporary structure or use to be discontinued and to be removed.~~

(12) ~~Section 108.6 is amended by deleting the same in its entirety and substituting in lieu thereof the following:~~

~~—108.6 Refunds. The code official shall authorize the refunding of fees as follows:~~

~~——— a. The full amount of any fees erroneously paid or collected hereunder, except that review fees and twenty five percent (25%) of the administrative fee will not be refunded.~~

~~——— b. Not more than fifty percent (50%) of the permit fee will be refunded in the event that work has not commenced within sixty (60) days of issuance of the permit.~~

~~——— c. There shall be no refund of any fees more than 60 days after the issuance of the permit or if any~~

work pertaining to the permit has started.

(13) Section 109.3 is amended by deleting the following in their entirety: 109.3, 109.3.1, 109.3.2, 109.3.3, 109.3.4, 109.3.5, 109.3.7, 109.3.9, 109.3.10 and by substituting in lieu thereof the following:

~~109.3 Required Inspections.~~

~~For on-site construction, from time to time the building official, upon a 24-hour notification from the permit holder or his/her agent, shall make or cause to be made any necessary inspections and shall either approve that portion of the construction as completed or shall notify the permit holder or his/her agent wherein the same fails to comply with this code. The required inspections are as follows:~~

- ~~a. Footing, prior to installation of concrete. (Contractor or representative are required to be present for this inspection.)~~
- ~~b. Foundation, prior to backfill.~~
- ~~c. New construction, a spot survey is to be provided, checked and approved prior to any additional work being done.~~
- ~~d. Plumbing, a stack test is required with water from the highest drain. (Contractor or representative is required to be present for this inspection.)~~
- ~~e. Rough Framing and Electrical. (Contractor or representative is required to be present for this inspection.)~~
- ~~f. Insulation. (Contractor or representative is required to be present for this inspection.)~~
- ~~g. Electrical certification.~~
- ~~h. Commercial Ceiling. (Contractor or representative is required to be present for this inspection.)~~
- ~~i. Garage Floor. (Contractor or representative is required to be present for this inspection.)~~
- ~~j. Basement Floor~~
- ~~k. Floors on Grade~~

~~Before concrete is poured in/on basement floors, slabs on grade or any concrete floor within a structure, an inspection will be required on all of the building service equipment, conduit, piping, and any other ancillary equipment placed in the floor/slab.~~

~~l. Final. (Contractor or representative are required to be present for this inspection.) A spot survey will be required by the Director of Community Development or the Chief Building Inspector when it is apparent the need for further clarification is required for the proper placement of a structure on a zoning lot.~~

Section 109.3.8 is amended by deleting the same in its entirety and by substituting in lieu thereof the following:

109.3.8 Other Inspections. In addition to the inspections specified above, the building official is authorized to make or require other inspections of any construction work to ascertain compliance with the provisions of this code and other laws that are enforced by the Village. Additional inspections may include the following as applicable to the project:

1. Foundation and draitile prior to backfill.
2. Underground and rough utilities
3. Plumbing stack test
4. Insulation
5. Electrical services prior to activation
6. Rough ceilings
7. All fire and life safety systems as required by the code official.

Section 110 is amended by deleting the same in its entirety and addressed in Chapter 7, Article VII of the Downers Grove Municipal Code.

Section 112 is amended by deleting the same in its entirety and addressed in Chapter 7, Article IX of the Downers Grove Municipal Code.

Section 113 is amended by deleting the same in its entirety and addressed in Chapter 7, Article X of the Downers Grove Municipal Code.

(14) Section 112 is amended by deleting the same in its entirety and by substituting in lieu thereof the following:

~~Section 112.0 Board of Appeals~~

~~112.1 Appointment.~~

~~There is hereby established in the municipality a board to be called the Board of Appeals, consisting of seven members who are qualified by experience and training to pass upon matters pertaining to building construction and who shall be appointed by the Village Manager, subject to the approval of the Village Council. Members shall hold office for their designated terms and until their successors have been appointed. The Village Manager shall designate one of the members to serve as chairman.~~

~~112.2 Term of office.~~

~~The Village Manager shall appoint seven members for staggered terms of three years. Vacancies shall be filled for an unexpired term in the manner in which the original appointments are required to be made. Continued absence of any member from regular meetings of the board shall, at the discretion of the Village Manager, render any such member liable to immediate removal from office by the Village Manager.~~

~~112.3 Affirmative votes.~~

~~In varying the application of any provision of this Code or in modifying an order of the building official, affirmative votes of four members shall be required. No member of the board shall vote upon any question in which he, or any corporation in which he is a shareholder, is interested.~~

~~112.4 Meetings and records.~~

~~Meetings of the board shall be held at the call of the chairman and at such other times as the board may determine. All hearings before the board shall be open to the public. The board shall keep minutes of its proceedings, showing the vote of each member upon every question, or if absent or failing to vote, indicating such facts, and shall also keep records of its examinations and other official action. Such minutes and such records shall be public records.~~

~~112.5 Procedure.~~

~~The board shall establish rules and regulations for its own procedure not inconsistent with the provisions of this Code.~~

~~112.6 Appeals.~~

~~a. Any person aggrieved or the head of any agency of the municipality may take an appeal to the Board of Appeals from any decision of the building official.~~

~~b. An appeal may be taken within thirty days from the date of the decision appealed, by filing with the building official and with the Board of Appeals a notice of appeal, specifying the grounds thereof, except that in the case of a building or structure which in the opinion of the building official, is unsafe or dangerous, the building official may in his/her order limit the time for such appeal to a shorter period. The building official shall forthwith transmit to the Board of Appeals all the papers upon which the action appealed from was taken.~~

~~112.7 Modifications and variations by the Board of Appeals.~~

~~a. The Board of Appeals, when so appealed to and after a public hearing, may vary the application of any provision of this Code to any particular case when, in its opinion, the enforcement thereof would do manifest injustice, and would be contrary to the spirit and purpose of this Code or public interest, or when, in its opinion, the interpretation of the building official should be modified or reversed.~~

~~b. A decision of the Board of Appeals to vary the application of any provision of this Code, or to modify an order of the building official, shall specify in what manner such variation or modification is made, the conditions upon which it is made, and the reasons therefor.~~

~~112.8 Decisions of the Board of Appeals.~~

~~a. The Board of Appeals shall in every case reach a decision without unreasonable or~~

~~unnecessary delay. Every decision of the Board of Appeals shall be in writing and shall indicate the vote upon the decision. Every decision shall be promptly filed in the office of the building official and shall be open to public inspection. A certified copy shall be sent by mail or otherwise to the appellant and a copy shall be kept publicly posted in the office of the building official for 2 weeks after filing.~~

~~b. If a decision of the Board of Appeals reverses or modifies a refusal, order, or disallowance of the building official, or varies the application of any provision of this Code, the building official shall take action immediately in accordance with such decision.~~

~~112.9 Appeals from decisions of the Board of Appeals.~~

~~A person aggrieved by a decision of said board, whether previously a party to the proceeding or not, may, within 15 days after the filing of the decision in the office of the building official, appeal to the appropriate court to correct errors of law in such decisions.~~

Section 115 is amended by deleting the same in its entirety and by substituting in lieu thereof the following:

115 Unsafe structures and equipment. The provisions of the International Property Maintenance Code as adopted and amended by the Village shall apply.

CHAPTER 2

(15) ~~Section 201.3~~ is amended by deleting the words "International Plumbing Code" and substituting in lieu thereof the following:

~~Illinois State Plumbing Code as adopted and amended by the Village.~~

Section 202 is amended as follows:

202 Definitions.

The definition of **Vapor Retarder** is amended by deleting the same in its entirety and by substituting in lieu thereof the following:

Vapor Retarder Class. A measure of a material or assembly's ability to limit the amount of moisture that passes through that material or assembly. Vapor retarder class shall be defined using the desiccant method of ASTM E-96 as follows:

Class I: 0.1 perm or less

Class II: perm is greater than .1 and less than or equal to 1.0 perm

Class III: perm is greater than 1.0 and less than or equal to 10 perm

CHAPTER 4

(16) ~~Section 403.1~~ is amended by deleting the ~~second exception~~ first paragraph in its entirety and by substituting in lieu thereof the following:

403.1 Applicability. The provisions of this section shall apply to buildings with an occupied floor located more than fifty-five (55) feet above the lowest level of Fire Department vehicle access as measured from grade to the floor elevation of the top occupied floor.

All exceptions shall remain, however, Exception #2 shall be deleted in its entirety.

(17) ~~Section 403.2~~ is amended by deleting the exceptions thereto in their entirety.

(18) ~~Section 403.7~~ is amended by deleting the same in its entirety, and substituting in lieu thereof the following:

~~403.7 Fire Department Communication System.~~

~~A two way Fire Department communication system shall be provided for Fire Department use. The communication station shall operate between the central control system and every elevator cab, enclosed~~

~~stairway landing, emergency generator room, building engineer's office, fire pump room, remote alarm panel and remote sprinkler riser locations.~~

~~— The two way communications system shall consist of a telephone system with plug in handsets capable of use in the designated jacks. Location of the jacks, zoning of the two way communication system, and the number of handsets required, will all be determined by the Fire Department.~~

Section 403.12.1 shall be amended by deleting the same in its entirety and by substituting in lieu thereof the following:

403.12.1 Stairway communications system. See Section 907.2.12.3 for requirements.

Section 403.13 shall be amended by deleting the same in its entirety and by substituting in lieu thereof the following:

403.13 Smokeproof exit enclosures. Every required stairway serving floors more than fifty-five (55) feet above the lowest level of fire department vehicle access measured from grade to the floor elevation of the top occupied floor shall comply with Sections 909.20 and 1020.1.7.

Section 406.5.2 shall be amended by deleting the first paragraph in its entirety and by substituting in lieu thereof the following:

406.5.2 Canopies. Canopies under which fuels are dispensed shall have a clear, unobstructed height of not less than thirteen (13) feet six (6) inches to the lowest projecting element in the vehicle drive-through area. Canopy structures and their supports over pumps shall be of noncombustible materials. Plastic facing material shall comply with the following:

All exceptions shall remain, however, Exception #1 shall be deleted in its entirety.

Section 414.5.4 shall be amended by deleting the "ICC Electrical Code" and by substituting in lieu thereof the following:

"National Electric Code as adopted and amended by the Village.

Section 415.6.4 shall be amended by deleting the "International Plumbing Code" and by substituting in lieu thereof the following:

"State of Illinois Plumbing Code as adopted and amended by the Village"

(19) ~~Section 415.7.4~~ is amended by deleting the words "International Plumbing Code" and substituting in lieu thereof the following:

~~— Illinois State Plumbing Code as adopted and amended by the Village~~

(20) ~~Section 415.9.2.8.18.2.8.1~~ is amended by deleting the words "ICC Electrical Code" and substituting in lieu thereof the following:

The "National Electrical Code as adopted and amended by the Village".

CHAPTER 5

(21) ~~Table 503~~ is amended ~~as follows:~~ by deleting therefrom all height limitations under the columns jointly labeled "Types III and IV" and by substituting in lieu thereof a height limitation of thirty five feet for all uses under such columns.

~~— Tables 503, 601 and 602 are further amended by deleting the columns jointly labeled "Type V" in their entirety.~~

1. Type V-A and V-B is not permitted for all use groups governed by this code in all zoning districts.

2. Type III-A, III-B, and IV shall be limited to no more than thirty-five (35) feet in story height as defined by this code above the lowest level of Fire Department vehicle access for all use groups.
3. Type III-A, III-B, shall not be permitted in the downtown business (DB) and downtown transition (DT) zoning districts.

Exception: Restoration or remodeling for existing non-conforming structures of type V-A, V-B, III-A, III-B shall be permitted when the project area does not exceed thirty-five percent (35%) of the total building square footage.

Section 504.2 shall be amended by adding the following provision at the end of the first paragraph:
"This section shall not be applied to Type III-B construction."

Section 506.1 shall be amended by deleting the first paragraph in its entirety and substituting in lieu thereof the following paragraph:

506.1 General. With the exception of Type III-B construction, the areas limited by Table 503 shall be permitted to be increased due to frontage and automatic sprinkler system protection in accordance with the following:

Section 507.2 is amended by deleting the same in its entirety.

Section 507.3 shall be amended by deleting the first paragraph in its entirety and substituting in lieu thereof the following paragraph:

507.3 Sprinklered one story. The area of a one-story, Group B, F, M or S building or a one-story Group A-4 building, of other than Type V and Type III-B construction, shall not be limited when the building is provided with an automatic sprinkler system throughout it in accordance with Section 903.3.1.1 and is surrounded and adjoined by public ways or yards not less than sixty (60) feet (18 288mm) in width.

Exception #2 is deleted in its entirety.

The first sentence of Exception #3 is amended to read as follows:

Group A-1 and A-2 occupancies of other than a Type III-B or Type V construction shall be permitted, provided:

Section 507.4 shall be deleted in its entirety and substituting in lieu thereof the following:

507.4. Two story. The area of a two-story, Group B, F, M or S building of other than a Type III-B or Type V construction shall not be limited when the building is equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1, and is surrounded and adjoined by public ways or yards not less than sixty (60) feet (18 288 mm) in width.

Section 509.4 is amended to add the following exception:

Exceptions:

1. See Table 503 as amended.

Section 509.5 is amended by deleting the same in its entirety.

Section 509.7 is amended to add the words "as amended" following the phrase "limitations in Section 503" in the second sentence of the first paragraph.

CHAPTER 6

Table 601 is hereby amended to read as follows:

Table 601 Fire-Resistance Rating Requirements for Building Elements (hours).

See Table 503, as amended, for construction type restrictions.

Table 602 is hereby amended to read as follows:

Table 602 Fire-Resistance Rating Requirements for Exterior Walls Based on Fire Separation Distance.

See Table 503, as amended, for construction type restrictions.

Section 603.1.2 is amended by deleting the words "International Plumbing Code" and substituting in lieu thereof the following:

"the State of Illinois Plumbing Code as adopted and amended by the Village"

Section 603.1.3 is amended by deleting the words "ICC Electrical Code" and substituting in lieu thereof the following:

"the National Electrical Code as adopted and amended by the Village"

CHAPTER 7

~~(22)~~ **Section 7167.5** **Exception #5** is amended by deleting the words "International Plumbing Code" and substituting in lieu thereof the following:

~~Illinois~~ "State of Illinois Plumbing Code as adopted and amended by the Village"

CHAPTER 9

~~(23)~~ **Section 901.6** is amended by deleting the same in its entirety and by substituting in lieu thereof the following:

901.6 Supervisory Services.

All ~~Alarm and Detection Systems as described in Section 907 of this code~~ fire protection systems shall be supervised by a connection to the Village Operations Center in the manner specified by Section 17.58 of the Municipal Code. ~~All alarm and detection services~~ and shall transmit alarm, supervisory, and trouble signals.

Section 901.6.2 is amended by deleting Exception #1 and Exception #2 in their entirety.

Section 901.6.3 is amended by deleting the Exception in its entirety.

Section 901.8 is hereby added as follows:

901.8 NFPA Standard editions. The following NFPA standards editions including all appendices and hereby adopted:

NFPA 13, 2007

NFPA 13-D, 2002

NFPA 13-R, 2002

NFPA 14, 2007

NFPA 20, 2007

NFPA 25, 2008

NFPA 96, 2008

NFPA 30B, 2007

NFPA 72, 2007

~~(24)~~ ~~Sections 903.1 through 903.2.12~~ are **903.2** is amended by deleting the same in ~~their~~ its entirety and by substituting in lieu thereof the following:

903.12 Where Required. Automatic sprinkler systems shall be installed and maintained in full operating condition, as specified in this code, in all buildings and structures, including open parking structures, ~~regardless of street frontage or fire walls,~~ which exceed two stories or twenty-five (25) feet in height or which have a total area in excess of the applicable square footage listed in Table 903.

TABLE 903

Total area square footages above which installation of automatic sprinkler systems is required:

Types of Construction					
Use Group	Type 1A, 1B, 2A and 2B	Type 2CA, 2B	Type 3A, 3B	Type 43B	Type 5A, 5B4
A-1 Assembly, theaters	0	0	0	0	0
A-2 Assembly, nightclubs and similar uses	0	0	0	0	0
A-3 Assembly (lecture halls, recreation centers, terminals, restaurants other than night clubs)	0	0	0	0	0
A-4 Assembly, churches	0	0	0	0	0
<u>A-5 Assembly</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
B Business	1,500	1,500	1,500	1,500	<u>1,500</u>
E Educational	<u>5,000</u> <u>2,500</u>	<u>5,000</u> <u>2,500</u>	<u>5,000</u> <u>2,500</u>	<u>5,000</u> <u>1,500</u>	<u>5,000</u>
F-1 Factory and industrial, moderate	<u>5,000</u> <u>2,500</u>	<u>5,000</u> <u>2,500</u>	<u>5,000</u> <u>2,500</u>	<u>5,000</u> <u>1,500</u>	<u>5,000</u>
F-2 Factory and industrial, low	<u>5,000</u> <u>2,500</u>	<u>5,000</u> <u>2,500</u>	<u>5,000</u> <u>2,500</u>	<u>5,000</u> <u>1,500</u>	<u>5,000</u>
H-1 High hazard, detonation hazards	Automatic Sprinkler System Required In AHJ	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
H-2 High hazard, deflagration hazards	Automatic Sprinkler System Required In AHJ	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
H-3 High hazard, physical hazards	Automatic Sprinkler System Required In AHJ	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>

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H-4 High hazard, health hazards	Automatic Sprinkler System Required In All	0	0	0	0
I-1 Institutional, residential care	Automatic Sprinkler System Required In All	0	0	0	0
I-2 Institutional, incapacitated	Automatic Sprinkler System Required In All	0	0	0	0
I-3 Institutional, restrained	Automatic Sprinkler System Required In All	0	0	0	0
I-4 Institutional.	0	0	0	0	0
M Merchantile	2,500	2,500	2,500	2,500 1,500	2,500 0
R-1, 2, 3, 4 (except detached one and two-family) Residential, hotels	Automatic Sprinkler System Required In All	0	0	0	0
R-2 Residential, multiple family	Automatic Sprinkler System Required In All				
S-1 Storage, moderate	5,000 2,500	5,000 2,500	5,000 2,500	5,000 1,500	5,000 0
S-2 Storage, low	5,000 2,500	5,000 2,500	5,000 2,500	5,000 1,500	5,000 0
U Utility, misc.	1,500	1,500	1,500	1,500	0
U Utility, misc.	For accessory structures, the sprinkling requirements for the corresponding principal use shall be used				

Section 903.2.1 through Section 903.2.9.1 are hereby deleted in their entirety.

Section 903.2.10.1 is amended by deleting the same in its entirety and by substituting in lieu thereof the following:

903.2.10.1 Stories and basements without openings. An automatic sprinkler system shall be installed throughout every story and basement of all buildings in accordance with Table 903.

Section 903.2.10.1.2 is hereby deleted in its entirety.

Section 903.2.10.1.3 is hereby deleted in its entirety.

Section 903.2.10.3 is amended by deleting Exception #2 and Exception #3.

Section 903.3 shall be deleted in its entirety and substituting in lieu thereof the following:

903.3 Installation requirements. Automatic sprinkler systems shall be designed and installed in accordance with Section 903.3.1 through Section 903.3.7. In addition, a check valve shall be provided in all sprinkler risers.

Section 903.3.1 is amended by adding the following at the end of the paragraph:

The use of XL thin-wall pipe is prohibited.

~~(25) Section 903.3.1.1.1 is amended by omitting Condition #4 and adding in lieu of the following exception at the conclusion thereof:~~

~~"4. Sprinklers may be omitted from not be required in attics, crawl spaces, floor ceiling spaces, and other concealed spaces that are not used or intended for living purposes or storage if approved by the code official."~~

Section 903.3.2 is amended by adding the following condition:

"4. All business and assembly occupancies.

~~(26) Section 903.3.5 is amended by deleting the words "International Plumbing Code" and substituting in lieu thereof the following:~~

~~"Illinois State of Illinois Plumbing Code as adopted and amended by the Village"~~

~~(27) Section 903.3.5.3. is amended by adding the following section:~~

~~**903.3.5.3 Post Indication Valve Prohibited.** The use of post indicator valves and wall post indicator valves are prohibited.~~

Section 903.4 is amended by deleting Exception #2 through Exception #7.

Section 903.6 is hereby added as follows:

903.6 Hydraulic information and nameplate. For sprinkler drawing review and approval, a copy of the hydraulic calculations sealed by the fire protection engineer, shall be submitted for each calculated area. For full approval of the system, a copy of each hydraulic nameplate must be submitted.

~~(28) Section 903.4.2 is amended by adding the following section:~~

~~**903.4.2.1. Alarm Indicating Appliances.** Audio/visual devices shall be provided, seen and heard in all areas of every building. All sprinkled buildings shall be provided with audio/visual devices. At least one exterior audio/visual device shall be mounted over the fire department connection.~~

~~(29) Section 903.4.3 is amended by deleting the word "high-rise" and replacing it with "multiple story buildings".~~

~~(30) Section 903.6 is hereby added as follows:~~

~~**903.6 PSI Safety Factor.** Provide a minimum 10% or 5 psi minimum safety factor in the fire protection system hydraulic calculation. The system demand shall be 5 psi minimum below the seasonal low water flow test supply.~~

~~(31) Section 903.7 is hereby added as follows:~~

~~903.7 Hydraulic Nameplate.~~ By each hydraulically calculated area, on each drawing provide a copy of the hydraulic nameplate.

(32) Section 903.7.1 is hereby added as follows:

~~903.7.1 Industrial Occupancy Connections.~~ For industrial occupancy buildings that have large sprinkler systems or fire protection water demands, provide a minimum 5" inch fire department STORTZ connection.

(33) Section 903.8 is hereby added as follows:

~~903.8 NFPA Standard Appendices.~~ The appendices of all NFPA standards are to be considered as part of each standard and are mandatory requirements.

(34) Section 903.9 is hereby added as follows:

~~903.9 NFPA Standards – Adopted.~~

———— The following NFPA standards are hereby adopted:

———— a. NFPA 14, Standpipe and Hose Systems, 2000 Edition

———— b. NFPA 20, Installation of Centrifugal Fire Pumps, 1999 edition

———— c. NFPA 25, Inspection, Testing and Maintenance of Water-based Fire Protection System, 1998 edition.

———— d. NFPA 96, Installation of Equipment for Removal of Smoke and Grease Laden Vapors for Commercial Cooking Equipment, 1998 edition.

———— e. NFPA 231, General Storage, 1998, edition.

———— f. NFPA 231C, Rack Storage, 1998 edition.

———— g. NFPA 231D, Storage of Rubber Tires, 1998 edition.

———— h. NFPA 30B, Manufacturer and Storage of Aerosol Products, 1998 edition.

(35) Section 903.10 is hereby added as follows:

~~903.10 Fire Sprinkler System; Fire pump test header.~~

———— a. Add provide an OS&Y control valve on fire pump installations.

———— b. Provide an outside test header on the fire pump installation.

(36) Section 903.11, is hereby added as follows:

~~903.11. Yard Hydrants.~~ Fire hydrants shall be provided around the perimeter of the building in 300' foot increments. A municipal fire hydrant shall be located within 100' feet of the fire department connection on the fire protection water supply to the building. Yard Hydrants shall be tested annually and inspection reports submitted to the Downers Grove Fire Department.

(37) Section 903.12 is hereby added as follows:

~~903.12 Separate Zones Required.~~ Manual Pulls, A/V and detectors to be on separate zones per floor.

(38) Section 903.13 is hereby added as follows:

~~903.13 Access.~~ Provide an outside and inside access door to the sprinkler riser valve room and fire pump room.

(39) Section 903.14 is hereby added as follows:

~~903.14 Separate Valve Room/Fire Pump Room.~~

———— Provide a minimum 2 hour separate sprinkler valve room and/or fire pump room.

(40) Section 903.15 is hereby added as follows:

~~903.15 Check Valve Required.~~ Provide a check valve in each sprinkler riser.

(41) Section 903.16 is hereby added as follows:

~~903.16 Residential/Quick Response Sprinklers.~~ All offices, assembly and residential building and areas shall be provided with residential and/or quick response sprinklers.
——— Exception: detached single family

(42) Section 903.17 is hereby added as follows:

~~903.17 Warehouse Valves.~~ In all warehouse storage areas where storage exceeds 12' feet height, provide inside 2 1/2" fire hose valves with 1 1/2" reducer to a 1 1/2" connection. Locate the valves at each door entrance to the warehouse and/or storage area. Provide additional 2 1/2" fire hose valves so that no portion of the warehouse and/or storage area is more than 120' feet maximum travel distance to a fire hose valve. Show the location of all obstructions and/or racks on the drawing.

(43) Section 903.17.1 is hereby added as follows:

~~903.17.1 Fire Hose Valve System.~~ The fire hose valve system piping shall be:
——— a. A separate riser piping system.
——— b. Hydraulically calculated for a minimum of 250 gpm at 75 psi to the most hydraulically remote fire hose valve.
——— c. Where system pressures exceed 100 psi provide Potter reduced pressure field adjustable type valve.

(44) Section 903.18 is hereby added as follows:

~~903.18 Single Family Home Sprinkler Systems.~~ Provide a minimum NFPA 13 D sprinkler system in all single family homes.
——— Exception: detached single family homes

(45) Section 903.19 is hereby added as follows:

~~903.19 Addressable Fire Alarm Systems.~~ All fire alarm systems shall be of the addressable type.

(46) Section 903.20 is hereby added as follows:

~~903.20 Computer Code Analysis Prohibited.~~ Performance based computer code analysis are prohibited.

(47) Section 903.21 is hereby added as follows:

~~903.21 XL Thin Wall Pipe Prohibited.~~ The use of XL thin wall pipe is prohibited.

(48) Section 904.3.1 is amended by deleting the words "ICC Electrical Code" and substituting in lieu thereof the following:

"The National Electrical Code as adopted and amended by the Village".

(49) Section 904.3.4 is amended by adding the following:

——— Kitchen hood suppression systems shall be connected to the building fire alarm system.

Section 905.2.1 is hereby added as follows:

- 905.2.1 Fire hose valve system.** The fire hose valve piping system shall be:
1. A separate riser piping system from the domestic water service.
 2. Hydraulically calculated for a minimum of 250 gpm at 75 psi at the most hydraulically remote fire hose valve.
 3. Where system pressures exceed 100 psi, provide Potter reduced pressure field adjustable type valves.

(50) Section 905.3.1 is amended by deleting "30 feet (9144 mm)" and by substituting in lieu thereof the

following;
"22 feet"

(51)Section 905.3.2 is amended by deleting the exceptions in their entirety.

(52)Section 905.4 is amended by adding the following:

7. The number of risers for multi-story buildings shall be such that all parts of every floor area can be reached by a 30-foot hose stream from a nozzle attached to not more than 100 feet of hose connected to a riser outlet. Standpipe hose connections shall be required to be located in enclosed stairways at each level in multi-story buildings.

8. In all warehouse storage areas where storage exceeds twelve (12) feet in height, provide 2-1/2" fire hose valves with 1-1/2" reducer to a 1-1/2" connection. Locate the valves at each door entrance to the warehouse and /or storage area. Provide additional 2-1/2" fire hose valves throughout the space so that no portion of the warehouse/storage area is more than one hundred twenty (120) feet maximum travel distance to a fire hose valve.

(53)Section 905.7.3 is amended by adding a new section as follows:

905.7.3 Hose connection within the cabinet. ~~Cabinet Equipment Specifications.~~ The hose connection shall be not more than 5 feet above the floor and consist of a 2 1/2" size, ~~inch hose connection with valves and threads conforming to Fire Department in conformance with Village standards. If deemed necessary by the Fire Department, a 1 1/2 inch hose connection equipped with not more than 100 feet of 1 1/2 inch approved fire hose, an approved shut off valve, nozzle, and couplings, and an approved rack or cabinet for storing the hose shall be required.~~

Section 905.7.3.1 is hereby added as follows:

905.7.3.1 Additional/alternate hose requirement. An additional or alternate hose connection consisting of one hundred (100) feet of 1-1/2" fire hose, shut-off valve, nozzle, couplings, rack or cabinet may be required as determined by the code official.

(54)Section 907.1.2 is amended by adding the following at the conclusion thereof:

— All Alarm and Detection Systems as described in Section 907 of this code shall be supervised by a connection to the Village Operations Center in the manner specified by the Municipal Code and shall transmit alarm, supervisory, and trouble signals.

Section 907.1.2.1 is hereby added as follows:

907.1.2.1 Addressable fire alarm systems. All fire alarm systems shall be of the addressable type.

Section 907.1.2.2 is hereby added as follows:

907.1.2.2 Separate zones required. Manual fire alarm pulls, audio visuals, and other detection devices shall be on separate zones per floor of a multi-story building.

(55)Section 907.2 is amended by deleting the same in its entirety and by substituting in lieu thereof the following:

907.2 Where Required. ~~(a) An approved manual and automatic fire alarm system shall be installed and maintained in all Use Groups except in single family homes and as provided in Section 907.2.6.~~

— ~~(b) An approved automatic fire detection system shall be installed and maintained in all Use Groups, not provided with an automatic sprinkler system, and in accordance with NFPA 72 shall be provided in all new buildings, structures, and additions governed by this code. For existing buildings, the requirements of the International Fire Code, Section 907.3, as amended, shall apply. Devices, combination of devices, appliances and equipment shall comply with Section 907.1.2. The automatic fire detectors shall be smoke~~

detectors. Where ambient conditions prohibit installation of automatic smoke detection, other automatic fire detection shall be allowed., except that an approved alternative type of detector shall be installed in spaces such as boiler rooms where during normal operation, products of combustion are present in sufficient quantity to activate a smoke detector.

~~(56)Section 907.2.1 through Section 907.2.10.4 are~~ is amended by deleting the same in its~~their~~ entirety.

~~(57)Section 907.2.1.1 is hereby renumbered to 907.2.1.~~

~~(58)Sections 907.2.2, 907.2.3, 907.2.4, 907.2.5, 907.2.6 and 907.2.6.1 are amended by deleting the same in their entirety.~~

~~(59)Section 907.2.6.2. is hereby renumbered to 907.2.6.~~

~~(60)Section 907.2.8 is amended by deleting the same in its entirety.~~

~~(61) — Section 907.2.9 is amended by deleting the same in its entirety.~~

~~(62)Section 907.2.12 is amended by deleting "75 feet (22 860 mm)" and substituting the following in lieu thereof:~~

~~"45 feet"~~

Section 907.2.12 is further amended by deleting Exception #2 through Exception #5in their entirety.

~~(63)Section 907.2.12.3 is amended by deleting the first and second sentence of the first paragraph in their entirety and by substituting in lieu thereof the following:~~

907.2.12.3 Fire department communication system. An approved two-way hard-wired and radio fire department communication system designed and installed in accordance with NFPA 72 shall be provided for fire department use. It shall operate between a fire command center complying with Section 911 and elevators, elevator lobbies, emergency and standby power rooms, fire pump rooms, building engineer's office, remote alarm panel and remote sprinkler riser locations, areas of refuge and inside enclosed exit stairways.

Section 907.2.12.3 is further amended by deleting the exception.

~~(64)Section 907.2.12 is amended by adding the following new section:~~

~~— **907.2.12.4 High Rise Communications System.** In all buildings defined as high rise, suitable fire department radio communications in addition to hard-wired systems shall be approved prior to construction. Suitable repeats or antenna systems shall be approved by the fire department.~~

Section 907.2.12.3.1 is hereby added as follows:

907.2.12.3.1 Communication system equipment. The two-way hard-wired communications system shall consist of a telephone system with plug-in handsets capable of use in the designated jacks. Location of the jacks, zoning of the two-way system, and the number of handsets required is subject to review and approval by the Fire Department for site specific conditions.

Section 907.2.12.3.2 is hereby added as follows:

907.2.12.3.2 High rise wireless communication system standards and testing. Minimum standards for wireless radio communication systems design and testing shall be obtained from the Fire Prevention Bureau and consist of the following:

1. A professionally engineered system shall be capable of transmitting at a minimum of -90 decibel

milliwatt (dBm) for over 90% of in-building coverage. The owner shall furnish a test report upon completion of the system installation verifying compliance with this requirement.

2. The system shall be capable of operating on an independent battery and/or generator system for a period of at least twelve (12) hours without external power input. The battery system shall automatically charge in the presence of external power input. There shall be no connectivity between the radio system and fire alarm system.

3. Proof of maintenance and an annual inspection by a qualified radio technician shall be provided to the fire department through a certificate of annual inspection.

4. Village personnel shall have the right to enter onto the property to conduct field testing to be certain that the required level of radio coverage is present.

5. The property owner shall be responsible for repairs, replacement, or upgrades to the system as directed by the Village should the system fail or no longer function.

~~(65)~~Section 907.2.18.1 is amended by deleting the phrase "or similar rooms" and adding the following to #1 after the word "machine": "fire alarm room and sprinkler room".

~~(66)~~Section 907.2.19 is amended by adding the words "and automatic fire detection system" after the words "manual fire alarm system".

~~(67)~~Section 907.3.1 is amended by deleting the exception.

~~(68)~~Section 907.5 is amended by deleting the words "ICC Electrical Code" and substituting in lieu thereof the following:

"National Electrical Code as adopted and amended by the Village"

~~(69)~~Section 907.8.2 is amended by deleting "75 feet (22 860 mm)" and substituting the following in lieu thereof:

"4055 feet"

~~(70)~~Section 907.9.1 is amended by deleting the exceptions.

~~(71)~~Section 907.14 is amended by adding the following at the end of the first paragraph ~~by deleting the same in it's entirety~~ are substituting in lieu thereof the following:

— All fire alarm systems shall be supervised by connection to the Village fire alarm receiving panel in the manner specified by the Municipal Code and shall transmit alarm, trouble and supervisory signals. **907.14 Monitoring.** All alarm and detection systems as described in Section 907 of this code shall be supervised by a connection to the Village Operations Center per the requirements of Section 17.58 of the Municipal Code and shall transmit alarm, supervisory, and trouble signals.

Exceptions:

1. Supervisory service is not required for automatic sprinkler systems in one- and two-family dwellings.
2. Any property within the municipal limits of the Village which is under the jurisdiction of a fire protection district organized pursuant to state law shall connect to the alarm receiving panels of the fire protection district and must be approved by the Village.

~~(72)~~Section 907.14 is further amended by deleting the exceptions and substituting in lieu thereof the following:

— Exceptions:

— 1) Supervisory service is not required for automatic sprinkler systems in one and two family dwellings.

— 2) In lieu of connecting to the Village's alarm receiving panels as set fourth in Section 907.14 any

property within the municipal limits of Downers Grove which is under the jurisdiction of a fire protection district organized pursuant to state law shall instead connect to the alarm receiving panels of the fire protection district. Such alternative connection shall be according to the fire protection district's rules and regulations for connection.

(73) **Section 909.11** is amended by deleting the words "ICC Electrical Code" and substituting in lieu thereof the following:

"National Electrical Code as adopted and amended by the Village"

(74) **Section 909.12.1** is amended by deleting ~~the same in its entirety~~ the words "ICC Electrical Code" and by substituting in lieu thereof the following:

~~**909.12.1 Wiring.**~~

~~———— In addition to meeting requirements of the National Electrical Code, as adopted and amended by the Village, all conductors with a voltage over 50v will need to be fully enclosed within a continuous raceway.~~ "National Electrical Code as adopted and amended by the Village"

(75) **Section 909.16.3** is amended by deleting the words "ICC Electrical Code" and substituting in lieu thereof the following:

"National Electrical Code as adopted and amended by the Village"

(76) ~~Section 909.20.3 is amended by deleting the same in its entirety:~~

(77) **Section 911.1** is amended by deleting 12 and 13 in their ~~its~~ entirety and by substituting in lieu thereof the following:

911.1 Fire Command Center Features.

12. ~~A complete set of building plans indicating the typical floor plan and detailing the building core, means of egress, fire protection systems, firefighting equipment, fire department access a complete set of as built fire alarm system prints along with the alarm system instruction manual and specifications.~~ A complete set of fire alarm plans, specifications, instruction manual, and building plans indicating the typical floor plan and detailing the building core, means of egress, fire protection systems, fire fighting equipment, and fire department access.

13. ~~A table large enough to spread out the plans that were indicated above and one chair.~~

(78) **Section 911.1** is further amended by adding the following:

16. ~~Handsets for fire department~~ the communications system, properly labeled, and in locked box(es). ~~The quantity must be as specified by the fire department.~~

17. A current list of key personnel with phone numbers.

18. A number of complete sets of keys ~~as specified by the fire department~~ for the building, elevators, alarm system, and ~~any other keys needed for access or control of system, all inside locked cabinets. Keys are to be clearly marked for identification~~ other locked systems as specified by the Fire Department.

19. ~~A~~ Hhigh-rise equipment box ~~as specified by the Fire Department with equipment also as specified by the Fire Department. The box shall be secured within close proximity to the fire command room. Box and content per the Fire Department's specifications.~~

Section 912.1 is amended by deleting the same in its entirety and substituting in lieu thereof the following:

9.12.1 Installation. Fire department connections shall be installed in accordance with the NFPA standard applicable to the system design and shall comply with all applicable requirements of the Municipal Code

(79) ~~A new~~ **Section 912.1.1** is hereby added as follows:

912.1 Fire Pump.

When a fire pump is installed to meet the hydraulic needs of an automatic sprinkler system, it shall operate automatically at all times by connection to an automatically switched emergency power generator of sufficient capacity per the National Electric Code (NFPA 90) as adopted by the Village."

912.1.1 Yard hydrants. Fire hydrants shall be provided around the perimeter of the building in three hundred (300) feet increments. A municipal fire hydrant shall be located within one hundred (100) feet of the fire department connection on the fire protection water supply to the building. All locations are subject to review and approval by the code official for site specific conditions.

Section 912.1.1.1 is hereby added as follows:

912.1.1.1 Hydrant testing. Yard hydrants shall be tested annually and a report must be submitted to the Fire Department for review and approval.

Section 912.1.1.1.1 is hereby added as follows:

912.1.1.1.1 Stortz connections. For buildings with large sprinkler systems or water demands as determined by the code official, a minimum of a five (5) inch STORTZ connection is required.

Section 912.5 is amended by deleting the words "International Plumbing Code" and substituting in lieu thereof the following:

"State of Illinois Plumbing Code as adopted and amended by the Village"

Section 913 FIRE PUMPS is hereby added

Section 913.1 is hereby added as follows:

913.1 Fire pump. When a fire pump is installed, it shall operate automatically at all times by connection to an automatically switched emergency power generator sized per the requirements of the National Electrical Code.

Section 913.2 is hereby added as follows:

913.2 Fire pump test headers and valves. Where fire pumps are installed, an outside test header and an OS & Y control valve is required.

Section 913.3 is hereby added as follows:

913.3 Fire rating for valve room and fire pump rom. All rooms containing sprinkler valve equipment and fire pumps shall be separated from adjoining spaces with a minimum of 2-hour rated assemblies.

Section 913.4 is hereby added as follows:

913.4 Access for valve room and fire pump room. A minimum of two-3 foot wide, 1-hour rated doors shall provide access to the valve and fire pump room, located at an interior and exterior wall of the building.

(80) Section 924 is amended by adding the following Section 924.3:

924.3. Exemption.

In lieu of connecting to the Village alarm receiving panels as set forth above, any property within the municipal limits of Downers Grove which is under the jurisdiction of a fire protection district organized pursuant to state law shall instead connect to the alarm receiving panels of the fire protection district. Such alternative connection shall be according to the fire protection district's rules and regulations for such connection."

CHAPTER 10

Section 1001.3 is amended by adding the the words "and the International Property Maintenance Code, as amended and adopted by the Village", at the end of the sentence.

(81) ~~Section 1003.2.10.5~~ is amended by deleting the words "ICC Electrical Code" and substituting in lieu thereof the following:

—— National Electric Code as adopted and amended by the Village

(82) ~~Section 1003.2.11.2~~ is amended by deleting the words "ICC Electrical Code" and substituting in lieu thereof the following:

—— National Electric Code as adopted and amended by the Village

Section 1003.5 is amended by deleting the exceptions therein and substituting in lieu thereof the following:

Exceptions:

1. A single step with a maximum riser height of seven (7) inches is permitted at exterior doors not required to be accessible by the State of Illinois Accessibility Code.
2. Steps and stairs are permitted at locations as permitted by the State of Illinois Accessibility Code.

Section 1006.3 is amended by adding the following at the end of the section:

"Where emergency lighting is powered by a generator, a minimum of twenty percent (20%) of the emergency light fixtures shall be provided with battery back-up. For multi-story buildings, batter powered units shall be provided in enclosed stairways for proper illumination of each story. "

Section 1007.1 is amended by adding at the end of the first sentence "and all applicable provisions of the State of Illinois Accessibility Code".

Section 1007.1 is further amended by deleting the exceptions.

Section 1007.2 is amended by deleting Condition #1 ini its entirety and substituting in lieu thereof the following:

1. Accessible routes complying with the State of Illinois Accessibility Code.

Section 1007.2.1 is deleted in its entirety and substituting in lieu thereof the following:

1007.2.1 Elevators required. In buildings where a required accessible floor is above or below a level of exit discharge, an elevator shall be provided per the State of Illinois Accessibility Code.

Section 107.2.1 is further amended by deleting the exceptions.

Section 1008.1.1 is amended by is amended by deleting "28 inches (711 mm)" in Exception #2 only and substituting the following in lieu thereof:

"32 inches"

CHAPTER 11

(83) Chapter 11 is amended by deleting the same in its entirety; see State of Illinois Accessibility Code.

CHAPTER 12

(84)**Section 12045.4.1** is amended by deleting the words "ICC Electrical Code" and substituting in lieu

thereof the following:

"National Electrical Code as adopted and amended by the Village"

(85)Section 1205.3.3 is amended by deleting the words "International Plumbing Code" and substituting in lieu thereof the following:

Illinois "State of Illinois Plumbing Code as adopted and amended by the Village".

CHAPTER 13

(86)Section 1301.2 is hereby added as follows:

1301.2 ComCheck/Inspection List Required Computer software programs. A ComCheck report and inspection list will need to accompany plans for new commercial construction and common additions of over 250 square feet. The ComCheck report will need to be stamped by an Illinois State Registered Architect of record and the plans will need to reflect the conditions as spelled out in the ComCheck report and the inspection report. Compliance with the code provisions described therein may be demonstrated with the use of COMcheck software for all building types governed by this code. For projects with documents prepared by a State of Illinois licensed design professional, the submittal shall be sealed by the design professional of record.

CHAPTER 14

(87)Section 1405.10.4 is amended by deleting the words "ICC Electrical Code" and substituting in lieu thereof the following:

"National Electrical Code as adopted and amended by the Village"

CHAPTER 15

Section 1502.1 is amended by adding the following definitions:

AGGREGATE. In roofing, crushed stone, crushed slag or water-worn gravel used for surfacing for roof coverings.

BALLAST. Ballast is any item having weight that is used to hold or steady an object. In roofing, ballast comes in the form of large stones or paver systems or light-weight interlocking paver systems and is used to provide uplift resistance for roofing systems that are not adhered or mechanically attached to the roof deck.

(88)Section 1503.4 is amended by deleting the words "International Plumbing Code" and substituting in lieu thereof the following:

Illinois "State of Illinois Plumbing Code as adopted and amended by the Village"

CHAPTER 16

Section 1603.1.6 is amended by deleting the words "in Section 1612.3" and substituting in lieu thereof the following:

"by local flooding data"

TABLE 1608.2 is hereby deleted in its entirety.

Section 1612.3 shall be deleted in its entirety and substituting in lieu thereof the following:

1612.3 Establishment of flood hazard areas. To establish flood hazard areas, local flooding data shall apply.

Section 1612.5 shall be amended by deleting Condition 2 and subsections thereof in their entirety.

Figure 1613.5(3) through Figure 1613.5(14) are hereby deleted in their entirety.

CHAPTER 17

Section 1701.3 is hereby deleted in its entirety.

Section 1704.1 is amended by deleting Exception #2 and Exception #3 in their entirety.

Section 1704.1.1 is amended by deleting Exception #1 in its entirety.

Section 1704.4 is amended by deleting the exceptions.

Section 1704.5 is amended by deleting the exceptions.

Section 1705.3 through Section 1705.4.2 are hereby deleted in their entirety.

Section 1707 through Section 1709 are hereby deleted in their entirety.

CHAPTER 18

Section 1802.2 is amended by deleting the exception.

Section 1802.2.3 is amended by deleting the exception.

Section 1802.2.6 is hereby deleted in its entirety.

Section 1802.2.7 is hereby deleted in its entirety.

Section 1803.4 shall be amended by deleting Condition 3 in its entirety.

Section 1805.2.1 shall be amended by deleting Condition 2 and Condition 3 in their entirety.

Section 1805.2.1 shall further be amended by deleting the exceptions.

Section 1805.5.1.3 is hereby deleted in its entirety.

Section 1805.5.5.1 shall be amended by deleting Condition 2 in its entirety.

Section 1805.5.5.2 shall be amended by deleting Condition 2, Condition 3 and Condition 4 in their entirety.

Section 1805.9 is hereby deleted in its entirety.

(89) ~~Section 1806.4.3 is amended by deleting the words "International Plumbing Code" and substituting in lieu thereof the following:~~

~~——— Illinois State Plumbing Code as adopted and amended by the Village~~

Section 1807.1 is amended by deleting the first paragraph in its entirety and substituting in lieu thereof the

following:

1807.1 Where required. Walls or portions thereof that retain earth and enclose interior spaces and floor below grade shall be waterproofed and dampproofed in accordance with this section.

Section 1807.1.2.1 is hereby deleted in its entirety and substituting in lieu thereof the following:

1807.1.2.1 Flood hazard areas. For buildings and structures in flood hazard areas as established by local flooding data, the finished ground level of an under-floor space shall be determined by the provisions of the Municipal Code.

Section 1807.2.1 is hereby deleted in its entirety and substituting in lieu thereof the following:

1807.2.1 Floors. Dampproofing materials for floors shall be installed between the floor and the base course required by Section 1807.4.1.

Section 1807.4.3 is amended by deleting the "International Plumbing Code" and substituting in lieu thereof the following:

"State of Illinois Plumbing Code as adopted and amended by the Village and the Municipal Code."

Section 1807.4.3 is further amended by deleting the exception.

Section 1808.2.23 through 1808.2.23.2.3 are hereby deleted in their entirety.

Section 1809.2.2.2.1 is hereby deleted in its entirety.

Section 1809.2.2.2.2 is hereby deleted in its entirety.

Section 1809.2.3.2.1 is hereby deleted in its entirety.

Section 1809.2.3.2.2 is hereby deleted in its entirety.

Section 1810.1.2.1 is hereby deleted in its entirety.

Section 1810.1.2.2 is hereby deleted in its entirety.

Section 1810.3.5 is hereby deleted in its entirety.

Section 1810.5.4.1 is hereby deleted in its entirety.

Section 1810.6.4.1 is hereby deleted in its entirety.

Section 1810.8.4.1 is hereby deleted in its entirety.

Section 1811.5 is hereby deleted in its entirety.

CHAPTER 19

Section 1904.4 is amended by deleting Condition 11.

Section 1908.1.4 is amended by deleting Section 21.2.1.3 and Section 21.2.1.4

Section 1908.1.6 is hereby deleted in its entirety.

Section 1908.1.15 through Section 1908.1.16 are hereby deleted in their entirety.

CHAPTER 21

Section 2106.4 through Section 2106.6 are hereby deleted in their entirety.

Section 2109.8 through Section 2109.8.4.7 are hereby deleted in their entirety.

Section 2111.4 is hereby deleted in its entirety.

Section 2111.4.1 is hereby deleted in its entirety.

Section 2112.4 is hereby deleted in its entirety.

Section 2113.4 is hereby deleted in its entirety.

CHAPTER 22

Section 2205.2.2 is hereby deleted in its entirety.

Section 2205.3.1 is hereby deleted in its entirety.

CHAPTER 23

Section 2305.2.4.1 is hereby deleted in its entirety.

Section 2305.3.11 is hereby deleted in its entirety.

Section 2307.1.1 is hereby deleted in its entirety.

Section 2308.12 is hereby deleted in its entirety.

Section 2308.12.1 is hereby deleted in its entirety.

Section 2308.12.2 is hereby amended to delete the exceptions.

Table 2308.12.4 is hereby deleted in its entirety.

Section 2308.12.6 is hereby deleted in its entirety.

Section 2308.12.9 is hereby deleted in its entirety.

CHAPTER 27

~~(90)~~ **Chapter 27** is amended by deleting the chapter in its entirety words "ICC Electrical Code" and substituting in lieu thereof the following:

See the National Electrical Code as adopted and amended by the Village.

CHAPTER 29

(91) **Chapter 29** is amended by deleting the same in its entirety and substituting in lieu thereof the following:

See the State of Illinois Plumbing Code as adopted and amended by the Village.

CHAPTER 30

Section 3001.2 is hereby deleted in its entirety and substituting in lieu thereof the following:

3001.2 Referenced standards. The design, construction, installation, alteration, repair, and maintenance of elevators and conveying systems and their components shall conform to the State of Illinois Elevator Safety and Regulation Act and to the following state mandated elevator codes as determined by the office of the state fire marshal, division of elevator safety:

Safety Code for Elevators and Escalators (ASME A17.1-2007/CSA, B44-07);

Performance-Based Safety Code for Elevators and Escalators (ASME A17.1-2007/CSA-B44.7-07);

Guide for Inspection of Elevators, Escalators and Moving Walks (ASME A17.2-2004);

Safety Code for Existing Elevators and Escalators (ASME A17.3-2005);

Safety Standard for Platform Lifts and Stairway Chairlifts (ASME A18.1-2005);

Standards for the Qualification of Elevator Inspectors (ASME QEI-1-2007);

Safety Requirements for Personnel Hoists and Employee Elevators (ANSI A10.4-2004);

Automated People Mover Standard (ASCE 21-05) Part 1, 2006;

Automated People Mover Standards (ANSI/ASCE/T & DI 21.2-08) Parts 2, 3, and 4, 2008.

Section 3001.3 is hereby deleted in its entirety and substituting in lieu thereof the following:

3001.3 Accessibility. Passenger elevators shall conform to the requirements of the State of Illinois Accessibility Code.

(92) **Section 3002.4** is amended by deleting the word "four or more stories above grade plane or four or more stories below grade plane" and by substituting in lieu thereof the following:

"three or more stories, including stories below grade"

~~— **3002.4 Elevator Car Size.** In buildings three stories in height or more, the elevators shall provide for fire department emergency access to all floors. Such elevator cars shall be 30 inches (762 mm) by 76 inches (1930 mm) in the horizontal open position without any adjustment or lifting of the cot.~~

CHAPTER 31

(93) Section 3105 is amended by deleting the same in its entirety.

(94) Section 3106 is amended by deleting the same in its entirety.

(95) Section 3107 is amended by deleting the same in its entirety.

(96) Section 3109.4.1.8 is amended by adding the words "for an in ground pool" before the words "one of the following shall apply".

Section 3109.1 is amended by deleting the same in its entirety and substituting in lieu thereof the following:

3109.1 General. Swimming pools shall comply with the all applicable sections of this code, the Municipal Code and the State of Illinois Swimming Pool Code.

Section 3109.5.1 is amended by deleting the same in its entirety and substituting in lieu thereof the following:

3109.5.1 Suction fittings. All pool and spa suction outlets shall be provided with a cover that conforms to ASME A112.19 8M-2007 on every drain/gate.

CHAPTER 32

(97) Chapter 32 is amended by deleting the same in its entirety.

CHAPTER 33

(98) Section 3305 is amended by deleting the words "International Plumbing Code" and substituting in lieu thereof the following:

— Illinois State Plumbing Code as adopted and amended by the Village

Section 3305.1 is amended by deleting the same in its entirety and substituting in lieu thereof the following:

3305.1 Facilities required. Sanitary facilities shall be provided during construction, remodeling, or demolition activities in accordance with the Municipal Code and the State of Illinois Plumbing Code.

Section 3306.1 is amended by deleting the same in its entirety and substituting in lieu thereof the following:

3306.1 Protection required. Pedestrians shall be protected during construction, remodeling, and demolition activities as required by this chapter and Section 7.11.1 of the Municipal Code.

Section 3306.2 is amended by deleting the same in its entirety and substituting in lieu thereof the following:

3306.2 Walkways. A walkway shall be provided for pedestrian travel in front of every construction and demolition site unless permission has been granted for the sidewalk to be fenced or closed. Walkways shall be of sufficient width to accommodate the pedestrian traffic, provide a durable walking surface, and shall be designed to support all imposed loads.

Section 3306.6 is amended by deleting the same in its entirety and substituting in lieu thereof the following:

3306.6 Barrier design. Barriers shall be designed to resist loads required in Chapter 16.

Section 3306.7 is amended by deleting the exceptions and conditions and substituting in lieu thereof the following:

Exception:

Roofs and supporting structures of covered walkways for new, light-frame construction not exceeding two stories in height are permitted to be designed for a live load of 75 psf or the loads imposed on them, whichever is greater.

Section 3311 and its subsections are amended by deleting the same in its entirety and substituting in lieu thereof the following:

3311 Standpipes. For requirements during construction, the provisions of the International Fire Code shall apply.

CHAPTER 34

(99) Section 3401.3 is amended by deleting the same in its entirety and substituting in lieu thereof the following: words "ICC Electrical Code", "International Plumbing Code" and substituting in lieu thereof the following:

— National Electrical Code as adopted and amended by the Village, Illinois State Plumbing Code as adopted and amended by the Village

3401.3. Compliance with other codes. Alterations, repairs, additions and changes of occupancy to existing structures shall comply with the provisions for alterations, repairs, additions and changes of occupancy in the International Fire Code, International Fuel Gas Code, International Mechanical Code, State of Illinois Plumbing Code, International Property Maintenance Code, and the National Electrical Code.

Section 3402.1 is amended by deleting the words "and which are necessary to provide accessibility" from the last sentence of the paragraph for the definition of Technically Infeasible.

Section 3403.1 is amended by adding the following exception:

Exception:

The provisions of the codes listed in Section 3401.3 shall apply.

Section 3403.1.1 is amended by deleting the words "in Section 1612.3" and substituting in lieu thereof the words:

"by local flooding data".

Section 3403.2.1 is deleted in its entirety.

Section 3403.2.2 is deleted in its entirety.

Section 3403.2.3.1 shall be amended by deleting Condition 2 and Condition 3 in their entirety.

Section 3403.3 is amended by adding the following at the end of the first paragraph:

"and meet the requirements of all sections of this code and those listed in Section 3401.3"

Section 3404.1.3 through Section 3404.4 are deleted in their entirety.

Section 3406.1 is amended by deleting the last sentence of the paragraph and substituting in lieu thereof the following:

"Subject to the approval of the building official, the use or occupancy of existing buildings shall be permitted to be changed and the building is allowed to be occupied for purposes in other use groups. The provisions of this code and all codes listed in Section 3401.3 shall apply."

Section 3407.2 is deleted in its entirety.

Section 3408.1 is amended by adding the following at the end of the first paragraph:

"for those portions of the structure that are new or rebuilt."

Section 3409 is deleted in its entirety and substituting in lieu thereof the following:

3409 Accessibility for existing buildings. The provisions of the State of Illinois Accessibility Code shall apply.

Section 3410 is deleted in its entirety.

(100) ~~Section 3408 is amended by deleting the same in its entirety.~~

(101) ~~Section 3409 is amended by deleting the same in its entirety.~~

(102) ~~Chapter 35 is amended by deleting the words "ICC Electrical Code" and "International Plumbing Code" and substituting in lieu thereof the following:~~

~~— Illinois State Plumbing Code as amended from time to time, National Electrical Code as amended from time to time~~

(103) ~~Appendices A, B, C, D, E, G, H, I and J are hereby deleted in their entirety.~~

APPENDIX H

Section H 101.1 is amended by deleting the same in its entirety and substituting in lieu thereof the following:

H 101.1 General. For any provisions not covered by this code the provisions of Chapter 28, Article XV of the Municipal Code shall apply.

Section H 101.2 is deleted in its entirety.

Section H 102 is deleted in its entirety.

Section H 106.1 is amended by deleting the words "ICC Electrical Code" and substituting in lieu thereof the following:

"National Electrical Code as adopted and amended by the Village"

Section H 106.2 is amended by deleting the words "ICC Electrical Code" and substituting in lieu thereof the following:

"National Electrical Code as adopted and amended by the Village"

Section H 108 through Section H 110 are deleted in their entirety.

Section H 112.1 is amended by deleting the following words from the first sentence:

"constructed entirely of metal or other noncombustible material and"

Section H 112.4 is deleted in its entirety.

Section H 114 is deleted in its entirety.

Section H 115 is amended by deleting the words "ICC Electrical Code" and substituting in lieu thereof the following:

"National Electrical Code as adopted and amended by the Village"

APPENDIX I

Section I101.1.1 is hereby added as follows:

I101.1.1 Construction Standards. Patio covers shall be constructed of materials and installations as approved by the provisions of this code.

(Ord. No. 1281, § 15; Ord. No. 1370, § 1; Ord. No. 1586, §§ 2, 3, 6; Ord. No. 1747, § 1; Ord. No. 1846, § 1; Ord. No. 2020, § 1; Ord. No. 2089, §§ 1, 2; Ord. No. 2116, § 2; Ord. No. 2122, § 1; Ord. No. 2143, § 4; Ord. No. 2151, §§ 1, 2; Ord. No. 2208, § 1; Ord. No. 2209, § 1; Ord. No. 2397, § 1; Ord. No. 2547, § 2; Ord. No. 2563, § 1; Ord. No. 2584, § 3; Ord. No. 2608, § 2; Ord. No. 2709, § 1; Ord. No. 2768, §1; Ord. No. 2857, § 3; Ord. No. 3118, § 2; Ord. No. 3184, § 3; Ord. No. 3193, § 1; Ord. No. 3391, § 3.)

Section 3. That all ordinances or parts of ordinances in conflict with the provisions of this ordinance are hereby repealed.

Section 4. That this ordinance shall be in full force and effect from and after its passage and publication

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in the manner provided by law.

Mayor

Passed:

Published:

Attest: _____
Village Clerk

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ORDINANCE NO. _____

AN ORDINANCE AMENDING BUILDING CODE PROVISIONS

BE IT ORDAINED by the Village Council of the Village of Downers Grove in DuPage County, Illinois, as follows: (Additions are indicated by ~~shading~~/underline; deletions by ~~strikeout~~):

Section 1. Section 7.1ART. is hereby renumbered to be Section 7.100.ART.

7.1ART. Article I. IN GENERAL

Section 2. That Section 7.101. is hereby added to read as follows:

7.101. Creation of Enforcement Agency.

The Department of Community Development is hereby created and the official in charge thereof shall be known as the building official.

Section 3. Section 7.12. is hereby renumbered to be Section 7.102.

7.12. Limitation of liability of Village employees.

The building official or any other Village employee charged with the enforcement of the ~~Building Codes~~, acting in good faith and without malice for the Village in the discharge of his/her duties, shall not thereby render himself liable personally, and he is hereby relieved from all personal liability for any damage that may accrue to persons or property as a result of any act required or by reason of any act or omission in the discharge of his/her duties. Any suit brought against the building official or other Village employee, because of such act or omission performed by him in the enforcement of any provisions of the ~~Building Codes~~, shall be defended by the Village Attorney until final termination of the proceedings. (Ord. No. 1281, § 5; Ord. No. 1586, § 8.)

Section 4. Section 7.13. is hereby renumbered to be Section 7.103.

7.13. Rights, suits, etc., under prior ordinances preserved.

—Nothing in this chapter or in the ~~Building Codes~~ shall be construed to affect any suit or proceeding now pending in any court, or any rights acquired, or liability incurred, nor any cause or causes of action accrued or existing, under any act or ordinance repealed hereby, nor shall any right or remedy of any character be lost, impaired or affected by this Chapter. (Ord. No. 1281, § 12; Ord. No. 1586, § 8.)

Section 5. Section 7.8. is hereby renumbered to be Section 7.104.

7.8. Definitions.

For the purposes of the ~~Building Code~~this Article, the following words and phrases shall have the meanings respectively ascribed to them by this ~~section~~chapter:

Applicant. The person applying for a permit.

Board. The Building Board of Appeals.

Building official. The Director of Community Development of the Village or his/her designee.

Code official. The Director of Community Development of the Village or his/her designee.

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Codes. the Building Code, Residential Code, Life Safety Code, Property Maintenance Code, Energy Conservation Code, Fuel Gas Code, Mechanical Code, Electrical Code and Plumbing Code, as adopted and amended by the Village.

Council. The Village Council of the Village of Downers Grove.

Decorative facing. A finished exterior surface on a structure other than unfinished concrete block. Painted concrete block shall be considered unfinished. Provided, fluted, split faced and pre-stained concrete block, shall be permitted as a decorative facing.

Director. The Director of Community Development of the Village of Downers Grove.

Department of Building Safety and/or Department of Community Development. The Village of Downers Grove Community Development Department.

Jurisdiction. The Village of Downers Grove.

Legal counsel ~~or~~, legal officer, or legal representative. The Village Attorney for the Village of Downers Grove.

Neighboring structure, proposed structure or property. A structure, proposed structure or property that is part of a zoning lot contiguous to the same street or intersecting street and within two hundred fifty feet as measured perpendicular to and along that street or streets.

Remodeling. Any material change to the exterior structure or appearance of a structure.

Structure. Any building, accessory building, tower or sign on a zoning lot of the Village.

Work Area. The area established on plans or elsewhere in the construction documents defining the limits of the construction within a building, tenant space or site. Construction activities include alterations and additions of structural, electrical, life safety, plumbing, HVAC, roof assemblies and similar activities. Work Area will typically be the square footage established by drawing a polygonal shape around the area where physical work must occur. For the purposes of calculating fees, Work Area shall not include those areas within a building, tenant space or site where no construction work is occurring and any locations where the work is incidental to the primary work area. Such fees shall not be charged in areas where finished surfaces are opened for the sole purpose of installing and/or upgrading the fire detection and/or suppression systems. The Work Area shall be determined by the Community Development Director.

Zoning lot. A lot or combination of lots improved with a structure as defined in the Zoning Ordinance of the Village.

(Ord. No. 1281, § 8; Ord. No. 1586, § 8; Ord. No. 2143, § 3; Ord. No. 2544, § 2.)

Section 6. That Section 7.200.ART. is hereby added to read as follows:

7.200.ART. Article 2. BUILDING OFFICIAL

Section 7. Section 7.1SEC. is hereby renumbered to be Section 7.201.

7.1SEC. Building official--Appointment.

The Village Manager shall appoint the building official who shall serve from time to time at the pleasure of the Village Manager. (Ord. No. 1281, § 2; Ord. No. 2261, § 26.)

Section 8. Section 7.2. is hereby renumbered to be Section 7.202.

7.2. Building Official.

For purposes of this Chapter, the term "building official" shall refer to the Director of Community Development of the Village or his/her designee. (Ord. No. 2544, § 1.)

Section 9. Section 7.3. is hereby renumbered to be Section 7.203.

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7.3. Building Official--Qualifications.

To be eligible to appointment, a candidate for the position of building official shall have had experience as an architect, structural engineer, building inspector or superintendent of building construction. He shall not have any interest whatever, directly or indirectly, in the sale or manufacture of any material, process or device entering into or used in or in connection with building construction, alterations, removal or demolition. (Ord. No. 1281, § 3.)

Section 10. Section 7.4. is hereby renumbered to be Section 7.204.

7.4. Building Official - Duties.

(A) General.

(a) The building official shall devote his/her whole time to the duties of his/her office. He shall receive applications required by the Building Code, review construction documents, issue permits and furnish the prescribed certificates. He shall examine premises for which permits have been issued and shall make necessary inspections to see that the provisions of law are complied with and that construction is prosecuted safely. He shall enforce all provisions of the Building Code. He shall, when requested by proper authority or when the public interest so requires, make investigations in connection with matters referred to in the Building Code and render written reports on the same. To enforce compliance with law, to remove illegal or unsafe conditions, to secure the necessary safeguards during construction or to require adequate exit facilities in buildings and structures, he shall issue such notices or orders as may be necessary.

(B) Inspections.

(b) Inspections required under the provisions of the Building Code shall be made by the building official or his/her duly appointed assistant. The building official may accept reports of inspectors of recognized inspection services, after investigation of their qualifications and reliability. The building official may engage expert opinions to report on unusual technical issues, subject to approval by the Village Manager or Village Council as the case may be. No certificate called for by any provision of the Building Code shall be issued on such reports unless the same are in writing and certified to by a responsible officer of such service.

(C) Records.

(c) The building official shall keep comprehensive records of applications, of permits issued, of fees received, of certificates issued, of inspections made, of reports rendered and of notices or orders issued. He shall retain on file copies of required plans and all documents relating to building works so long as any part of the building or structure to which they relate may be in existence. Such records shall be retained for the period required by law.

(d) All such records shall be open to public inspection for good and sufficient reasons at the stated office hours of the office of the building official, but shall not be removed from the office of the building official without his/her written consent.

(D) Reports.

(e) The building official shall make written reports to his/her immediate superior, once each month, or often more often if requested, including statements of permits and certificates issued and orders promulgated.

(E) Interpretations.

The building official shall have the authority to render interpretations of these Codes and to adopt policies and procedures to clarify the application of its provisions, which shall be in compliance with the intent of these Codes and which shall not have the effect of waiving requirements specifically provided herein.

(F) Identification.

The building official shall carry proper identification when inspecting structures or premises in the performances of duties under these Codes.

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(Ord. No. 1281, § 4; Ord. No. 2261, § 27.)

Section 11. Section 7.5. is hereby renumbered to be Section 7.205.

7.5. Building Official--Cooperation of other officials.

The building official may request and shall receive so far as may be necessary, in the discharge of his/her duties, the assistance and cooperation of other officials of the Village. (Ord. No. 1281, § 6.)

Section 12. Section 7.6. is hereby renumbered to be Section 7.206.

7.6. Building Official--Right of entry.

To the extent permitted by law the building official and any appointed assistant, in the discharge of their official duties and upon proper identification, shall have authority to enter any building, structure or premises at any reasonable hour. If such structure or premises is unoccupied, the building official shall first make a reasonable effort to locate the owner or other person having charge or control of the structure or premises and request entry. If entry is refused, the building official shall have recourse to the remedies provided by law to secure entry. (Ord. No. 1281, § 7.)

Section 13. That Section 7.300.ART. is hereby added to read as follows:

7.300.ART. Article III. PERMITS

Section 14. That Section 7.301. is hereby added to read as follows:

7.301. Permits Required.

Any owner or authorized agent who intends to construct, enlarge, alter, repair, move, demolish or change the occupancy of a building or structure, or to erect, install, enlarge, alter, repair remove, convert or replace any electrical, gas, mechanical or plumbing system, the installation of which is regulated by the Building Codes, or to cause any such work to be done, shall first make application to the building official and obtain the required permit. Work conducted in violation of this section shall be subject to a fine in accordance with Article X of this Chapter..

Section 15. That Section 7.302. is hereby added to read as follows:

7.302. Application for Permit.

To obtain a permit, the applicant shall first file an application therefor in writing on a form furnished by the Department of Community Development for that purpose. Such application shall:

1. Identify and describe the work to be covered by the permit for which application is made.
2. Describe the land on which the proposed work is to be done by legal description, street address or similar description that will readily identify and locate the proposed building or work.
3. Indicate the use and occupancy for which the proposed work is intended.
4. Be accompanied by construction documents and other information as required.
5. State the valuation of the proposed work.
6. Be signed by the application or the applicant's authorized agent.
7. Give such other data and information as required by the building official.
8. Provide the property owners name and current address.

Section 16. That Section 7.303. is hereby added to read as follows:

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7.303. Action on Application.

The building official shall examine or cause to be examined applications for permits and amendments thereto within a reasonable time after filing. If the application or the construction documents do not conform to the requirements of pertinent laws, the building official shall reject such application in writing, stating the reasons therefor. If the building official is satisfied that the proposed work conforms to the requirements of this code and laws and ordinances applicable thereto, the building official shall issue a permit therefor as soon as practicable.

Section 17. That Section 7.304. is hereby added to read as follows:

7.304. Validity of Permit.

The issuance or granting of a permit shall not be construed to be a permit for, or an approval of, any violation of any of the provisions of this code or of any other ordinance of the jurisdiction. Permits presuming to give authority to violate or cancel the provisions of this code or other ordinances of the jurisdiction shall not be valid. The issuance of a permit based on construction documents and other data shall not prevent the building official from requiring the correction of errors in the construction documents and other data. The building official is also authorized to prevent occupancy or use of a structure where in violation of this code or of any other ordinances of the Village.

Section 18. That Section 7.11.3. is hereby amended to read as follows:

7.11.3. Expiration of permits.

a. All permits shall be valid for a period of one (1) year from the date of issuance with the exception of fence and demolition permits. Permits shall become invalid if the work authorized thereby is suspended or abandoned for a period of thirty (30) days after the work is commenced. All extensions of permit time shall be calculated at twenty-five (25%) of the original total permit fee and shall extend the life of the permit for a six (6) month period. Extensions shall be requested in writing with justifiable cause demonstrated. Fence and demolition permits shall be valid for six (6) months from the date of issuance.

b. ~~One hundred percent (100%) of a permit fee shall be added if work is started without a permit.~~

c. No fees shall be refunded when a permit has lapsed after work is started. When a permit is revoked at the request of the applicant prior to lapsing due to time limits, and no work has been done, all but a basic fee to cover costs incurred by the building department and the plan review fee may be refunded. (Ord. No. 1791, § 1; Ord. No. 2857, § 5.)

Section 19. Section 7.11.4. is hereby renumbered to be Section 7.306.

7.11.4. Hours for work under permits.

No work authorized by a permit required by the Building Codes that causes any noise or vibration detectable without the aid of any device or instrument at or beyond the lot line of the lot to which the permit relates shall be performed in accordance with the noise regulations as set forth in Section 15-5.1. (Ord. No. 1791, § 2.)

Section 20. That Section 7.307. is hereby added to read as follows:

7.307. Placement of Permit.

The building permit or copy shall be conspicuously displayed on the site of the work until completion of the project.

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Section 21. That Section 7.308. is hereby added to read as follows:

7.308. Suspension or Revocation of Permit.

The building official is authorized to suspend or revoke a permit issued under the provisions of the Codes wherever the permit is issued in error or on the basis of incorrect, inaccurate or incomplete information or in violation of any ordinance, regulation or any provision of the Codes.

Section 22. That Section 7.400.ART. is hereby added to read as follows:

7.400.ART. Article IV. CONSTRUCTION DOCUMENTS

Section 23. That Section 7.401. is hereby added to read as follows:

7.401. Construction Documents.

Construction documents, statement of special inspections and other data shall be submitted in two (2) or more sets with each permit application. The construction documents shall be prepared by an Illinois licensed architect or structural engineer. Where special conditions exist, the building official is authorized to require additional construction documents to be prepared by a registered design professional.

Construction documents shall be dimensioned and drawn upon suitable material. Electronic media documents are permitted to be submitted when approved by the building official. Construction documents shall be of sufficient clarity to indicate the location, nature and extent of the work proposed and show in detail that it will conform to the provisions of the Codes and relevant laws, ordinances, rules and regulations, as determined by the building official.

Section 24. That Section 7.402. is hereby added to read as follows:

7.402. Site Plan.

The construction documents prepared by an Illinois licensed design professional and submitted with the application or permit shall be accompanied by a site plan and a plat of survey showing the site and location of new construction and existing structures on the site and distances from the lot lines. The site plan shall also include the following information:

1. Any structures, or portions thereof, to be demolished;
2. Any items as indicated by Section 26.73 of the Municipal Code.

Section 25. That Section 7.403. is hereby added to read as follows:

7.403. Examination of Documents.

The building official shall examine or cause to be examined the accompanying construction documents and shall ascertain by such examination, whether the work indicated and described is in accordance with the requirements of the Codes and other pertinent laws or ordinances.

Section 26. That Section 7.404. is hereby added to read as follows:

7.404. Approval of Construction Documents.

When the building official issues a permit, the construction documents shall be approved in writing or by

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stamp. One set of construction documents so reviewed shall be retained by the building official. The other set shall be returned to the applicant, shall be kept at the site of work and shall be open to inspection by the building official or a duly authorized representative.

Section 27. That Section 7.405. is hereby added to read as follows:

7.405. Phased Approval.

The building official is authorized to issue a permit for the construction of foundations or any other part of a building or structure before the construction documents for the whole building or structure have been submitted, provided that adequate information and detailed statements have been filed complying with pertinent requirements of the Codes. The holder of such permit for the foundation or other parts of a building or structure shall proceed at the holder's own risk with the building operation and without assurance that a permit for the entire structure will be granted.

Section 28. That Section 7.406. is hereby added to read as follows:

7.406. Amended Construction Documents.

Work shall be installed in accordance with the approved construction documents, and any changes made during construction that are not in compliance with the approved construction documents shall be resubmitted for approval as an amended set of construction documents.

Section 29. That Section 7.500.ART. is hereby added to read as follows:

7.500.ART. Article V. STOP WORK ORDER

Section 30. That Section 7.501. is hereby added to read as follows:

7.501. Authority.

Whenever the building official finds any work regulated by the Codes being performed in a manner either contrary to the provisions of the Codes or dangerous or unsafe, the building official is authorized to issue a stop work order.

Section 31. That Section 7.502. is hereby added to read as follows:

7.502. Issuance.

The stop work order shall be in writing and shall be given to the owner of the property involved, or to the owner's agent, or to the person doing the work. Upon issuance of a stop work order, the cited work shall immediately cease. The stop work order shall state the reason for the order, and the conditions under which the cited work will be permitted to resume.

Section 32. That Section 7.503. is hereby added to read as follows:

7.503. Unlawful Continuance.

A violation or unsafe condition, shall be subject to penalties as prescribed this ordinance.

Section 33. That Section 7.600.ART. is hereby added to read as follows:

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7.600.ART. Article VI. INSPECTIONS

Section 34. That Section 7.601. is hereby added to read as follows:

7.601. General.

Construction or work for which a permit is required shall be subject to inspection by the building official and such construction or work shall remain accessible and exposed for inspection purposes until approved. It shall be the duty of the permit applicant to cause the work to remain accessible and exposed for inspection purposes. Neither the building official nor the jurisdiction shall be liable for expense entailed in the removal or replacement of any material required to allow inspection.

Section 35. That Section 7.602. is hereby added to read as follows:

7.602. Inspections Prior to the Commencement of Work.

For projects involving excavation, site or foundation work in excess of six hundred (600) square feet, an inspection of the pre-construction site conditions shall be required to determine compliance with the Village of Downers Grove Construction Site Management Ordinance, Article XVIII of this Chapter, prior to the commencement of construction activities on the site.

Section 36. That Section 7.603. is hereby added to read as follows:

7.603. Approval Required.

Work shall not be done beyond the point indicated in each successive inspection without first obtaining the approval of the building official. The building official, upon notification, shall make the required inspections and shall either indicate the portion of the construction that is satisfactory as completed, or notify the permit holder or his or her agent wherein the same fails to comply with this code. Any portions that do not comply shall be corrected and such portions shall not be covered or concealed until authorized by the building official.

Section 37. Section 7.11.5. is hereby renumbered to be Section 7.604.

7.11.5. Certificates of inspection--Required.

Upon the completion of the construction in or on any building or structure, it shall be the duty of the person doing the work to request an inspection by the Community Development Department. If such construction conforms to the requirements of this Chapter, a written certificate of satisfactory inspection shall be issued. One (1) copy of the certificate shall be delivered to the person which is to furnish electrical service, and one copy shall be retained in the Village files. The certificate of inspection shall contain the date of such inspection, the location or address of the construction by street number or lot number, the name of the person actually completing the work, and the name of the person for whom the construction work was performed.

Each job for which a permit is issued shall be entitled to one rough inspection and one final inspection and each business or multiple family dwelling which is licensed by the Village of Downers Grove shall be entitled to one inspection and one re-inspection per license period. ~~The fee for additional re-inspections made necessary due to failure to correct violations discovered during the initial inspections shall be fifty dollars (\$50.00) per re-inspection.~~

Section 38. That Section 7.700.ART. is hereby added to read as follows:

7.700.ART. Article VII. CERTIFICATES OF OCCUPANCY

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Section 39. That Section 7.701. is hereby added to read as follows:

7.701. Use and Occupancy.

No building or structure shall be used or occupied, and no change in the existing occupancy classification of a building or structure or portion thereof shall be made until the building official has issued a certification of occupancy therefor as provided herein. Issuance of a certificate of occupancy shall not be construed as an approval of a violation of the provisions of this code or of other ordinances of the jurisdiction.

Section 40. That Section 7.702. is hereby added to read as follows:

7.702. Certificate Issued.

After the building official inspects the building and finds no violations of the provisions of the Codes or other laws that are enforced by the Community Development Department, the building official shall issue a certificate of occupancy that contains the following:

1. The building permit number.
2. The address of the structure.
3. The name and address of the owner.
4. A description of that portion of the structure for which the certificate is issued.
5. A statement that the described portion of the structure has been inspected for compliance with the requirements of this code for the occupancy and division of occupancy and the use for which the proposed occupancy is classified.
6. The name of the building official.
7. The edition of the Codes under which permit was issued.
8. The use and occupancy, in accordance with the provisions of Chapter 28 of the Downers Grove Municipal Code.
9. The type of construction.
10. The design occupant load.
11. If an automatic sprinkler system is provided, whether the sprinkler system is required.
12. Any special stipulations and conditions of the building permit.

Section 41. That Section 7.703. is hereby added to read as follows:

7.703. Temporary Occupancy.

The building official is authorized to issue a temporary certificate of occupancy before the completion of the entire work covered by the permit, provided that such portion or portions shall be occupied safely. The building official shall set an expiration date for the temporary certificate of occupancy.

Section 42. That Section 7.704. is hereby added to read as follows:

7.704. Revocation.

The building official is authorized to, in writing, suspend or revoke a certificate of occupancy issued under the provisions of the Codes wherever the certificate is issued in error, or on the basis of incorrect information supplied, or where it is determined that the building or structure or portion thereof is in violation of any ordinance or regulation or any of the provisions of the Codes.

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Section 43. That Section 7.800.ART. is hereby added to read as follows:

7.800.ART. Article VIII. FEES

Section 44. That Section 7.801. is hereby added to read as follows:

7.801. Payment of Fees.

A permit or any amendment thereto and/or a certificate of occupancy shall not be valid or released until all fees have been paid.

Section 45. Section 7.11.2. is hereby renumbered to be Section 7.802.

7.11.2. Permit Fee.

Upon application for any permit required by the ~~Building Codes~~, or any amendment thereto, the applicant shall pay a permit fee to the Village collector in accordance with the provisions of this section; any amendment to a permit shall not be approved until additional fees, if any, due to the need for a reexamination of plans shall have been paid.

No fees shall be refunded once a permit has been issued. (Ord. No. 1586, § 5; Ord. No. 2584, § 5; Ord. 3336, § 2; Ord. No. 3378, § 1.)

Section 46. Section 7.11. is hereby renumbered to be Section 7.803.

7.11. Inspection and permit fees.

No permit as required by the ~~Building Codes~~ shall be issued until the fees described in this section shall have been paid to the Village collector, nor shall an amendment to a permit be approved until the additional fees, if any, due to an increase in the estimated size of the building structure shall have been paid. Fees shall be calculated based upon the Work Area ~~as defined in Section 7-8.~~

A. Schedule of Demolition Permit fees:

\$500.00 for the first 30,000 square feet, and \$33.00 per additional 100 square feet thereafter.

In addition to any demolition fee, there shall be an administrative fee assessed for required signage ~~pursuant to 7.11.1(k) 7-1801(k).~~

B. Schedule of New Construction Permit Fees:

1. Accessory Buildings

- a. Less than 200 square feet \$100.00
- b. 200 square feet or more \$425.00

2. Residential, Non-Residential and Associated Buildings

- a. Basic fee (for the first 1,000 square feet) \$1,350.00, plus an additional \$675.00 per 1,000 square feet.

C. Schedule of Permit Fees for Additions, Alterations and Repairs:

- 1. Residential \$350.00, plus additional plumbing and electrical fees set forth in the Downers Grove Municipal Code.
- 2. Non-Residential (for the first 1,000 square feet) \$725.00, plus an additional \$675.00 per 1,000 square feet.

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D. Water for Construction or Demolition:

Temporary construction or demolition water shall be paid for at the rate established in Chapter 25.29 of the Downers Grove Municipal Code.

E. Heating and Mechanical Ventilation Systems \$100.00

F. Canopy, fixed Awning or Alteration:

- a. Basic fee \$100.00

G. Inspection Fees for Elevators, Escalators, Lifts, Hoists, Dumbwaiters, Conveyors:

1. All elevators, escalators, lifts, hoists, dumbwaiters and conveyors are required to have maintenance inspections conducted twice per year, after the initial inspection. Inspection fees for each inspection required are as follows:

- i. New \$125.00
ii. Existing \$50.00

H. Swimming Pools and Hot Tubs (above ground and in ground) \$425.00

I. Deck permits \$100.00

J. Other work requiring permit (i.e. roof repair/replacement, concrete work, commercial equipment, structural repairs, etc.)

1. If value of work is less than \$25,000 - \$75.00

2. If value of work is \$25,000 or more - \$300.00

Plumbing fixtures. Fees for inspection of plumbing fixtures installed shall be governed by the provisions of Chapter 16.

Permits for sewer and drain connections. Fees for inspection of sewer and drain connections shall be governed by the provisions of Chapter 16.

Fees for permit to erect a new sign or to repair an existing sign shall be governed by provisions of Section 28-305 of the Comprehensive Zoning Ordinance of the Village, passed and approved April 19, 1965, as amended. (Ord. No. 1281, § 10; Ord. No. 1586, § 4; Ord. No. 2913, § 2; Ord. No. 3336, § 1.)

Section 47. That Section 7.804. is hereby added to read as follows:

7.804. Re-Inspection Fee.

The fee for additional re-inspections made necessary due to failure to correct violations discovered during the initial inspections shall be fifty dollars (\$50.00) per re-inspection.

Section 48. Section 7.11.2A. is hereby renumbered to be Section 7.805.

7.11.2A. Occupancy permit fee.

(a) The fees to be charged for a certificate of occupancy shall be as follows:

<u>Fee</u>	<u>Certificate</u>
\$75.00	Original certificate of occupancy
\$75.00	Certificate of Ordinance Compliance

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\$75.00 Temporary certificate of occupancy for each dwelling, business, commercial or manufacturing use of a section or part of a building which is to be occupied prior to completion of the entire building which shall be good for no more than one hundred twenty (120) days.

(Ord. No. 3336, § 3; Ord. No. 3378, § 2.)

Section 49. That Section 7.900.ART. is hereby added to read as follows:

7.900.ART. Article IX. BUILDING BOARD OF APPEALS

Section 50. That Section 7.901. is hereby added to read as follows:

7.901. Created.

(A) Appointment.

There is hereby established in the Village a board to be called the Building Board of Appeals, consisting of seven members who are qualified by experience and training to pass upon matters pertaining to building construction and who shall be appointed by the Village Manager, subject to the approval of the Village Council. Members shall hold office for their designated terms and until their successors have been appointed. The Village Manager shall designate one of the members to serve as chairman. Members shall consist of the following: an architect, a structural engineer, and an engineer or contractor with experience in each of the following fields - fire protection, electrical, plumbing, mechanical or general contracting.

(B) Term of office.

The Village Manager shall appoint seven members for staggered terms of three years. Vacancies shall be filled for an unexpired term in the manner in which the original appointments are required to be made. Continued absence of any member from regular meetings of the board shall, at the discretion of the Village Manager, render any such member liable to immediate removal from office by the Village Manager.

(C) Affirmative votes.

In varying the application of any provision of these Codes or in modifying an order of the building official, affirmative votes of four members shall be required. No member of the board shall vote upon any question in which he, or any corporation in which he is a shareholder, or is otherwise interested.

(D) Meetings and records.

Meetings of the board shall be held at the call of the chairman and at such other times as the board may determine. All hearings before the board shall be open to the public. The board shall keep minutes of its proceedings, showing the vote of each member upon every question, or if absent or failing to vote, indicating such facts, and shall also keep records of its examinations and other official action. Such minutes and such records shall be public records.

(E) Procedure.

The board shall establish rules and regulations for its own procedure not inconsistent with the provisions of this Code.

(F) Appeals.

a. Any person aggrieved or the head of any agency of the municipality may take an appeal to the Board of Appeals from any decision of the building official.

b. An appeal may be taken within thirty days from the date of the decision appealed, by filing with the building official and with the Board of Appeals a notice of appeal, specifying the grounds thereof, except that in the case of a building or structure which in the opinion of the building official, is unsafe or dangerous, the building official may in his/her order limit the time for such appeal to a shorter period. The building official shall forthwith transmit to the Board of Appeals all the papers upon which the action appealed from was taken.

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(G) Modifications and variations by the Board of Appeals.

a. The Board of Appeals, when so appealed to and after a public hearing, may vary the application of any provision of these Codes to any particular case when, in its opinion, the enforcement thereof would do manifest injustice, and would be contrary to the spirit and purpose of these Codes or public interest, or when, in its opinion, the interpretation of the building official should be modified or reversed.

b. A decision of the Board of Appeals to vary the application of any provision of these Codes, or to modify an order of the building official, shall specify in what manner such variation or modification is made, the conditions upon which it is made, and the reasons therefor.

(H) Decisions of the Board of Appeals.

a. The Board of Appeals shall in every case reach a decision without unreasonable or unnecessary delay. Every decision of the Board of Appeals shall be in writing and shall indicate the vote upon the decision. Every decision shall be promptly filed in the office of the building official and shall be open to public inspection. A certified copy shall be sent by mail or otherwise to the appellant and a copy shall be kept publicly posted in the office of the building official for two (2) weeks after filing.

b. If a decision of the Board of Appeals reverses or modifies a refusal, order, or disallowance of the building official, or varies the application of any provision of these Codes, the building official shall take action immediately in accordance with such decision.

(I) Appeals from decisions of the Board of Appeals.

A person aggrieved by a decision of said board, whether previously a party to the proceeding or not, may, within fifteen (15) days after the filing of the decision in the office of the building official, appeal to the appropriate court to correct errors of law in such decisions.

Section 51. That Section 7.1000.ART. is hereby added to read as follows:

7.1000.ART. Article. X. PENALTIES

Section 52. Section 7.10. is hereby renumbered to be Section 7.1001.

7.10. Penalties.

~~———— The penalty provisions contained in Sections 117.4 and 117.5 of the Building Code are hereby deleted and the provisions for penalties under such Code shall be as follows:~~

~~———— "117.4. Violation penalties.~~

~~———— "A person who shall violate a provision of this the Codes or fails to comply therewith or with any of the requirements thereof, or who shall erect, construct, add to or alter, move or demolish, or has erected, constructed, added to or altered, moved or demolished a building or structure or portion thereof, in violation of a detailed statement or plan submitted and approved thereunder, or of a permit or certificate issued thereunder, shall be guilty of a petty offense; also the owner of a building or structure, or portion thereof, or of the premises where anything in violation of this the Codes shall be placed or shall exist, and an architect, engineer, builder, contractor, agent, person or corporation employed in connection therewith and who assisted in the commission of such violation. Each such person shall be deemed guilty of a separate offense for each and every day or portion thereof during which any violation of any provision of this the Codes is committed or continued and upon conviction of such violation each such person shall be punished as provided in Section 1-15 of the Downers Grove Municipal Code.~~

~~———— "117.5. Abatement of violations.~~

~~———— "The imposition of the penalties herein prescribed shall not preclude the legal officer of the jurisdiction from instituting an appropriate action or proceeding to prevent an unlawful erection, construction, reconstruction, addition, alteration, conversion, removal, demolition, maintenance or use or to restrain, correct or abate a violation, or to prevent the occupancy of a building or structure or portion thereof, or of the premises, or to prevent an illegal act, conduct, business or use in or about any premises." (Ord. No. 1281, §~~

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11; Ord. No. 1586, § 8; Ord. No. 2209, §§ 2,3; Ord. No. 2584, § 4; Ord. No. 2857, § 4.)

Section 53. That Section 7.1002. is hereby added to read as follows:

7.1002. Notice of Violation.

The building official is authorized to serve a notice of violation or order on the person responsible for the erection, construction, alteration, extension, repair, moving, removal, demolition or occupancy of a building or structure in violation of the provisions of these Codes, or in violation of a permit or certificate issued under the provisions of these Codes. Such order shall direct the discontinuance of the illegal action or condition and the abatement of the violation.

Section 54. That Section 7.1003. is hereby added to read as follows:

7.1003. Fines.

One hundred percent (100%) of a permit fee shall be added if work is started without a permit in accordance with Section 1.16 of the Downers Grove Municipal Code.

Section 55. That Section 7.1100.ART. is hereby added to read as follows:

7.1100.ART. Article XI. BUILDING CODE

Section 56. Section 7.13ART. is hereby renumbered to be Section 7.1200.ART.

7.13ART. Article XII. INTERNATIONAL RESIDENTIAL CODE

Section 57. Section 7.28ART. is hereby renumbered to be Section 7.1300.ART.

7.28ART. Article XIII. LIFE SAFETY CODE

Section 58. Section 7.34ART. is hereby renumbered to be Section 7.1400.ART.

7.34ART. Article XIV. PROPERTY MAINTENANCE CODE

Section 59. Section 7.46ART. is hereby renumbered to be Section 7.1500.ART.

7.46ART. Article XV. INTERNATIONAL ENERGY CONSERVATION CODE

Section 60. Section 7.49ART. is hereby renumbered to be Section 7.1600.ART.

7.49ART. Article XVI. FUEL GAS CODE

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Section 61. That Section 7.52ART. is hereby amended to read as follows:

7.52ART. Article XVII. INTERNATIONAL MECHANICAL CODE

Section 62. That Section 7.1800.ART. is hereby added to read as follows:

7.1800.ART. Article XVIII. SITE MANAGEMENT

Section 63. Section 7.11.1. is hereby renumbered to be Section 7.1801.

7.11.1. Demolition/Construction Site Management.

An applicant for a demolition and/or building permit (“permit applicant”) shall be responsible for safe construction site management during all phases of demolition and/or construction of permitted improvements. The following minimum standards shall be complied with prior to the commencement of work and throughout the duration of the project.

- (a) Notification. Each permit applicant that seeks a demolition permit for an existing house or garage or a building permit for any construction that will add six hundred (600) square feet or more of gross floor area to an existing house or garage shall be required to provide notification to all residents of property located within one hundred (100) feet of the subject property. Such notification shall be made no less than seven (7) days prior to the commencement of any work and shall consist of providing the residents with a copy of an informational brochure provided by the Village, disclosure of a site plan, a general explanation of the work to be done, and the name, address and telephone number of the individual supervising the work. Each permit applicant shall submit written certification, on a form provided by the Village, of personal notification to all residents of property located within one hundred (100) feet of the subject property of the pending work as a condition precedent to issuance by the Village of a permit for work on the subject property.
- (b) No structure shall be eligible for demolition unless and until the permit applicant has notified all utilities having service connections within or about the structure such as water, electric, gas, sewer, telephone and any other connections. The Village Public Works Department shall be notified to remove the water meter or the Village may give written permission to allow the permit applicant to remove the water meter. The Sanitary District must be notified regarding the capping of sanitary sewers. A permit to demolish a structure shall not be issued until a release is provided by the relevant utilities stating that their respective service connections and appurtenant equipment, such as meters and regulators, have been removed or capped in a safe manner.
- (c) No structure shall be eligible for demolition unless and until the permit applicant has submitted and the Village has approved a grading and site restoration plan or an application for construction has been placed on file with the Village and the applicant has been issued an initial review letter from the Village.
- (d) The permit applicant for demolition and/or construction shall be required to install and maintain in good working order a six (6) foot high temporary chain link construction fence with driven posts around the perimeter of the lot for all residential construction, and an eight (8) foot high temporary chain link construction fence with driven posts around the perimeter of the lot for all commercial construction. For both residential and commercial areas, the fencing must have a gated opening which shall be closed when no construction or demolition activity is being performed on the site. Fencing must be installed prior to the commencement of any construction or demolition on the site and must remain in place until the final grading of the property commences. Erosion control measures (silt fencing) must be installed and maintained on the

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inside of the perimeter fence. The Director of Community Development shall have the authority to determine the fencing requirements, excluding height requirements, and/or to require a written fencing plan for construction activities. The Director shall have the discretion to determine the appropriate timing and location of the fencing requirements in order to adequately protect the health, safety and welfare of the public and the adjacent residential and commercial properties.

(e) Each tree on the property, including the parkway, must be protected with fencing, and as provided in Section 24-7 of this Code.

(f) Construction/demolition debris and refuse containment shall be required for all job sites. Containment shall occur on the property that is the subject of the permit, and shall be within a dumpster or container that shall be fully covered to prevent windblown debris. Such dumpster or container shall be set back a minimum of five (5) feet from the front lot line and a minimum of five (5) feet from the side lot line. All such dumpsters or containers shall be covered at all times when no work is being performed on the property that is the subject of the permit. Such dumpster or container shall not be located on public property, including but not limited to, parkways or sidewalks.

(g) Construction sites shall be provided with a portable toilet. The location of the portable toilet shall be set back as far as possible from all property lines to within three to four feet from the excavation but not less than a minimum of five (5) feet from the front lot line and a minimum of five (5) feet from the side lot line, and whenever possible the portable toilet shall be located in the rear yard. Such portable toilet shall not be located on public property, including but not limited to, parkways or sidewalks.

(h) The permit applicant shall maintain all construction/demolition sites free and clear of debris and refuse generated by site preparation, reconstruction or demolition of buildings and structures.

(i) The hours of construction/demolition are as follows:
7:00 a.m. to 7:00 p.m. Monday-Saturday
No Work on Sundays

(j) All construction work shall be limited to the permitted property. No permit issued pursuant to this Section shall authorize any entry onto the property adjoining the permitted property or any work for which entry onto property adjoining the permitted property is or may be necessary, unless a proper right of entry has been secured from the owner of such property.

(k) Posted Notice of Rules and Regulations: The applicant shall post on the permitted property in a prominent place, visible from the public right-of-way, a sign containing notice of the rules and regulations applicable to demolition and construction work. The applicant shall also post notice of the contractor's name and a phone number of the individual supervising the work. Such sign shall be posted not less than four (4) nor more than seven (7) days in advance of the commencement of work. Such sign shall be maintained on the permitted property until all work on the permitted property has been completed and approved or until removal is requested by the Director. The size, shape and message of such sign shall be established by the Director of Community Development. The sign containing notice of rules and regulations shall be obtained from the Village wherein an administrative fee shall be assessed by the Village.

(l) The noise regulations contained in Section 15-5.1 of this Code shall be applicable.

(m) The applicant shall cause all dirt, mud, gravel and other debris from the subject property or related to the work conducted on the subject property to be cleaned regularly every day from all streets and sidewalks adjoining or in the area of the subject property.

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(n) No streets or sidewalks shall be blocked so as to prevent pedestrian or vehicular traffic. Permit applicants must comply with Section 19-44(i) of this Code regarding Traffic Control Procedures and must submit a construction site parking plan outlining the proposed location for all parking of contractor and worker vehicles. All vehicles shall comply with all Village ordinances. The Director of Community Development shall review the construction parking plan and shall either approve the plan as submitted, approve the plan with modifications and/or conditions or deny the plan. The applicant shall adhere to the terms and conditions of the approved construction parking plan. Failure to comply with the terms and conditions of the approved construction parking plan shall constitute a violation of this ordinance.

(o) On all demolition sites and construction sites or in any situation where airborne particles may be disbursed, proper watering is required in that airborne particles shall be controlled at the property that is the subject of the permit during work hours by thoroughly saturating all portions of the structure with water. Such spraying shall be undertaken at all times necessary to thoroughly control the creation and migration of airborne particles, including without limitation, dust from the property that is the subject of the permit. The water source for control of airborne particles shall be either (i) a water tanker truck with pump capacity of one hundred (100) gallons per minute at the nozzle or (ii) an approved public water hydrant. Water shall be delivered from the water source to the subject property by a hose with a minimum diameter of 2 ½ inches, which may be reduced to 1 ½ inches when on the property that is the subject of the permit. If a public water hydrant is used, a Village water meter and proper hydrant wrench must be used after acquiring a permit from the Public Works Department in accordance with Chapter 25-11 of the Downers Grove Municipal Code. Any hose leading from a public water hydrant and crossing a driveway, street, alley or other vehicular right-of-way or path must be bridged in a manner sufficient to protect the water system.

(p) No open burning is permitted at the demolition/construction site.

(q) Permit applicants shall submit written acknowledgment, on a form provided by the Village, of rules for construction/demolition site management.

(r) Permit fees shall be paid in the amount set forth in ~~Section 7-11~~ Article VIII of this Code.

(s) A bona fide certificate of insurance shall be supplied to the Village, showing minimum insurance coverage from an insurance company with at least a B+ rating of five hundred thousand dollars (\$500,000.00) bodily injury, five hundred thousand dollars (\$500,000.00) property damage and statutory coverage for workers compensation. This shall accompany the permit applications. The building official may waive the insurance requirement for minor demolition work.

(t) A site management cash bond in the amount of five thousand dollars (\$5,000.00) shall be deposited with the Village and shall be kept in a separate account. Such cash bond shall be in addition to all other application and processing fees, costs, escrows, bonds and performance securities required, and stand as security for the full and complete performance by the permit applicant of the work covered by the permit, insuring the initiation of construction in a timely manner and proper management of the site, subject to the following provisions:

(i) The Village shall have the right at all times, at its option, to draw on the site management bond for the costs, including, without limitation, legal fees and administrative expenses incurred or to be incurred by the Village in exercising any of its rights under this Chapter in the event: 1) the applicant undertakes work in violation of any provision of this Chapter or of any permit issued or plan approved pursuant to this Chapter; or 2) the applicant fails or refuses to complete any work authorized by any permit issued under this Chapter in accordance with all plans approved in connection with said permit. The Village's determination of such costs shall be based either on costs actually incurred by the Village or on the

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Village's reasonable estimates of costs to be incurred.

(ii) If the Village draws on the site management bond, then the applicant shall replenish the bond to the full amount required by this section immediately after demand therefore is made to the applicant in writing by the Village. Any failure of the applicant to replenish the bond shall result in cancellation of the related permit, which permit shall not be reissued thereafter except after the filing of a new application therefore, repayment of the permit fee, and establishment of a new site management bond.

(iii) Upon certification by the building official of the satisfactory completion of the work, the balance of the cash bond shall be refunded to the permit applicant.

(u) (1) The applicant shall cause the demolition of a structure to be completed with due diligence, in good faith and without delay. The applicant shall notify the Village at least twenty-four (24) hours prior to the commencement of demolition. Once the work commences on the site, the applicant shall continuously pursue completion of the work. If no substantial work is being pursued on the site for thirty (30) consecutive days or more once the work has commenced, then the site shall be deemed abandoned. Once the Village issues a notice of abandonment the applicant shall within ten (10) days from issuance of the abandonment notice either:

(i) commence work on the site and diligently pursue completion of the demolition; or

(ii) restore the property to a final grade and grass seeded condition or commence construction activities pursuant to a valid building permit.

For purposes of this Section, completion of demolition shall be defined as removal of all portions of the structure both above ground and below ground level and restoration of the property to a final grade and grass seeded condition.

(2) Additional fee for late work: If the applicant fails to comply with this Section he/she shall pay a late work fee of two hundred fifty (\$250.00) per day for each day until such work is completed. The Village shall deduct such fee from the site management bond.

(v) Fees and Fines: Failure to comply with the minimum standards will constitute a violation of this Code, subjecting violators to a stop work order and a minimum fine of two hundred fifty dollars (\$250.00) per violation, for every day the violation exists. In addition to any other penalties provided in this Section, the Village Attorney shall have the authority to seek injunctive or other relief in the Circuit Court of DuPage County to enforce and compel compliance with the ordinance of the Village. Such injunctive action may be combined with counts seeking monetary fines as provided herein.

(i) Street Cleaning. If the applicant shall fail to clean all sidewalks and streets adjoining and in the area of the subject property, then the applicant shall pay a fine of three hundred dollars (\$300.00) for each violation. The Village shall deduct such fine from the site management bond provided in Section(t). This charge shall be in addition to any fines assessed pursuant to Ordinance. (Ord. No. 1527, § 1; Ord. No. 2918, § 1.)

Section 64. Section 7.22ART. is hereby renumbered to be Section 7.1900.ART.

7.22ART. Article IXX. ARCHITECTURAL CONTROL

Section 65. Section 7.23. is hereby repealed in its entirety

7.23. Short title.

~~—This article shall be known and may be cited and referred to for all purposes as the Downers Grove "Architectural Control Ordinance." (Ord. No. 2126, § 1.)~~

Section 66. Section 7.24. is hereby repealed in its entirety

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7.24. Definitions.

~~For the purposes of this article, the following terms shall have those meanings ascribed to them as follows:~~

~~*Applicant.* The person applying for architectural approval.~~

~~*Board.* The Building Board of Appeals.~~

~~*Council.* The Village Council of the Village of Downers Grove.~~

~~*Decorative facing.* A finished exterior surface on a structure other than unfinished concrete block. Painted concrete block shall be considered unfinished. Provided, fluted, split faced and pre stained concrete block, shall be permitted as a decorative facing.~~

~~*Director.* The Director of Community Development of the Village of Downers Grove.~~

~~*Neighboring structure, proposed structure or property.* A structure, proposed structure or property that is part of a zoning lot contiguous to the same street or intersecting street and within two hundred fifty feet as measured perpendicular to and along that street or streets.~~

~~*Remodeling.* Any material change to the exterior structure or appearance of a structure.~~

~~*Structure.* Any building, accessory building, tower or sign on a zoning lot of the Village.~~

~~*Zoning lot.* A lot or combination of lots improved with a structure as defined in the Zoning Ordinance of the Village. (Ord. No. 2126, § 1; Ord. No. 2544, § 3.)~~

Section 67. Section 7.25. is hereby repealed in its entirety

7.25. Similarity requirements.

~~No structure shall be built or remodeled in the Village if the proposed structure is substantially similar to any other neighboring structure or proposed structure for which a building permit has been issued, in respect to three or more of the following characteristics:~~

~~1. Height of main roof ridge above the elevation of the floor.~~

~~2. Height of main roof ridge above finished grade of property.~~

~~3. Length of main roof ridge above the eaves.~~

~~4. Width and length of the structure between opposite walls measured from the exterior surfaces of such opposite walls.~~

~~5. Arrangement and size of windows, doors and ornamental work on any two elevations.~~

~~6. Color or texture of all exterior walls. (Ord. No 2126, § 1.)~~

Section 68. Section 7.26. is hereby renumbered to be Section 7.1901.

7.26. Decorative facing required.

All Structures constructed or remodeled in the Village shall utilize decorative facing on all exterior walls in the case of new construction or in the remodeled area in the case of remodeling. (Ord. No 2126, § 1.)

Section 69. Section 7.27. is hereby repealed in its entirety

7.27. Architectural approval.

~~Notwithstanding anything to the contrary contained in this Code or any code or ordinance of the Village, no structure or remodeling requiring a Village building permit shall be constructed without the prior written approval of the director under this article, except in planned developments where the Council has approved an architect's rendering or detailed front elevation in accordance with Section 28-1604 of the Zoning Ordinance. An application for such approval shall be made, to the director for all such construction upon or before application for a building permit. (Ord. No 2126, § 1.)~~

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Section 70. Section 7.28. is hereby repealed in its entirety

7.28. Enforcement; appeal to the Board.

~~Compliance or violation of the requirements of Sections 7-25 and 7-26 shall be determined as follows:~~

~~(a) The director shall examine each application for architectural approval, which application shall include plans or drawings sufficient to reasonably inform the director of the type of building contemplated by the applicant, and determine whether Sections 7-25 and 7-26 would be violated by construction or remodeling of that proposed structure. If he determines such a violation will result, he shall within two weeks of application refuse to approve the application and notify the applicant in writing of the refusal and grounds therefor. If he determines no violation of any Village ordinance or other applicable law will result, he shall approve the application. Within thirty days after the date of receipt of notice of refusal to approve, the applicant may appeal a refusal under 7-25, to the Board by written notice to the director who shall immediately forward a copy of the notice to the manager, and then within two working days forward the applicable materials to the Board. A list of the names of all owners of neighboring structures and property shall accompany the notice to the director.~~

~~(b) The Board shall hold a hearing on all such appeals and examine and review plans, specifications and materials so forwarded by the director. At least five days prior to the hearing the Board shall mail written notice of the hearing to the applicant and owners of neighboring structures and property. After having considered all the materials and testimony from the hearing, and within two weeks of receipt by the director of notice of appeal, unless such time limit is waived by the applicant, the Board shall make a determination as follows:~~

~~(i) That 7-25 would not be violated by the proposed structure or remodeling; or~~

~~(ii) That 7-25 would be violated by the proposed structure or remodeling; or~~

~~(iii) That 7-25 would be violated by the proposed construction or remodeling, but such violation is of a nature as not to be detrimental to the stability of property values of neighboring properties.~~

~~(c) Upon a determination under (i) or (iii) above, or if the two weeks has run, the director shall approve the application. Upon determination under (ii) above, the director shall continue to refuse to approve the application. (Ord. No. 2126, § 1.)~~

Section 71. Section 7.14ART. is hereby renumbered to be Section 7.2000.ART.

7.14ART. Article XX. HOUSE NUMBERING

Section 72. Section 7.15. is hereby renumbered to be Section 7.2001.

7.15. Required.

All buildings fronting on public streets or highways shall be numbered. (R.O. 1925, § 276.)

Section 73. Section 7.16. is hereby renumbered to be Section 7.2002.

7.16. System for north and south streets.

For streets running northerly and southerly the even numbers shall be used on the west side of the street and the odd numbers on the east side of the street. (R.O. 1925, § 277.)

Section 74. Section 7.17. is hereby renumbered to be Section 7.2003.

7.17. System for east and west streets.

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For streets running easterly and westerly, the even numbers shall be used on the north side of the street and the odd numbers on the south side of the street. (R.O. 1925, § 278.)

Section 75. Section 7.18. is hereby renumbered to be Section 7.2004.

7.18. System for diagonal streets.

Upon all streets, if any, which run exactly midway or forty-five degrees between the cardinal points, the even numbers shall be used on the northerly side of the street and the odd numbers on the southerly side of the street. Diagonal streets having an angle of less than forty-five degrees with respect to either north and south or east and west streets shall be numbered in the same manner as provided in Sections 7-462002 and 7-472003. (R.O. 1925, § 279.)

Section 76. Section 7.19. is hereby renumbered to be Section 7.2005.

7.19. Base line for north and south streets.

For all streets running northerly and southerly, the system of numbering now in force in the City of Chicago at the date of the adoption of this Code shall be used. The north line of Township thirty-eight north, and its extension, the same being a continuation of Thirty-ninth Street in the City of Chicago, shall be taken as a base line.

Streets running south from Thirty-ninth Street shall begin at number thirty-nine hundred at such base line, and shall increase southerly at the rate of eight blocks for one hundred numbers each in each mile. Within each block of one hundred numbers, the northerly line of the block shall be taken as a secondary base line, and the street numbers shall begin at number one of that particular block of one hundred numbers and increase southerly at the rate of two numbers for each twenty-five feet.

Streets running northerly and southerly which do not extend to the base line shall be numbered as if they did, in fact, so extend.

The term "block" as used in this section, shall be taken to refer to a block of one hundred numbers, without reference to platted streets or avenues or their intersections. (R.O. 1925, § 281; Ord. No. 143, § 1.)

Section 77. Section 7.20. is hereby renumbered to be Section 7.2006.

7.20. Base line for east and west streets.

For all streets running easterly and westerly, the center line of Section nine, Township thirty-eight north, range eleven, east of the Third Principal Meridian, and the extension of such centerline, shall be taken as a base line. Streets running west from such base line shall begin at number one at such base line and increase westerly at the rate of eight blocks of one hundred numbers each in each mile. Within each block of one hundred numbers, the easterly line of the block shall be taken as a secondary base line, and the street numbers shall begin at number one of that particular block of one hundred numbers and increase westerly at the rate of two numbers for each twenty-five feet.

Streets running easterly and westerly which do not extend to the base line shall be numbered as if they did, in fact, so extend.

The term "block", as used in this section, shall be taken to refer to a block of one hundred numbers, without reference to platted streets or avenues or their intersections. (R.O. 1925, § 282; Ord. No. 143, § 2.)

Section 78. Section 7.21. is hereby renumbered to be Section 7.2007.

7.21. Furnishing numbering information.

The Director of Community Development shall have charge of maps and plats related to the numbering of houses. He shall furnish information as to the proper numbering of houses without charge.

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(R.O. 1925, § 280; Ord. No. 2857, § 6.)

Section 79. Section 7.22. is hereby repealed in its entirety

7.22. Reserved.

(R.O. 1925, § 286.)

Section 80. Section 7.38ART. is hereby repealed in its entirety

7.38ART. Article VII. Appearance Code

Section 81. Section 7.39. is hereby repealed in its entirety

7.39. Reserved.

(Ord. No. 3310, § 1.)

Section 82. Section 7.40. is hereby repealed in its entirety

7.40. Jurisdiction.

~~———— This article shall be known and may be cited as "The Downers Grove Appearance Code". The jurisdiction of the Appearance Code shall apply to exterior design features, landscaping and site plans for properties in the central design area zoned B-1, B-2 or B-3, as defined in the Comprehensive Zoning Ordinance of the Village. The Appearance Code shall also be applicable to properties within the central design area which are zoned or classified as residential, but used for commercial purposes, excluding home occupations. (Ord. No. 3310, § 1.)~~

Section 83. Section 7.41. is hereby repealed in its entirety

7.41. Reserved.

(Ord. No. 3310, § 1.)

Section 84. Section 7.42. is hereby repealed in its entirety

7.42. Reserved.

(Ord. No. 3310, § 1.)

Section 85. Section 7.43. is hereby repealed in its entirety

7.43. Reserved.

(Ord. No. 3310, § 1.)

Section 86. Section 7.44. is hereby repealed in its entirety

7.44. Reserved.

(Ord. No. 3310, § 1.)

Section 87. Section 7.45. is hereby repealed in its entirety

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7.45. Appeals.

~~Any person aggrieved of a decision of the Village Manager to issue or not issue a certificate may appeal said decision to the Building Board of Appeals, pursuant to the provisions of Section 7-9(n), paragraph 124.6 of the Downers Grove Building Code. (Ord. No. 3310, § 1.)~~

Section 88. Section 7.46. is hereby repealed in its entirety

7.46. Conflict of provisions.

~~In the event of a conflict between the Appearance Code and the existing ordinances of the village, as now or hereafter amended, the standards of the Appearance Code shall control. (Ord. No. 3310, § 1.)~~

Section 89. That Section 1.16 is hereby amended to read as follows:

1.16 Citation and settlement in lieu of prosecution for certain offenses.

(a) Whenever a person is observed violating certain provisions of this code as specified in this section, or there is reasonable suspicion to believe that such a violation has occurred and that a particular person is responsible, the Village may, in lieu of filing a complaint in court, issue to the alleged violator a citation which shall:

- (1) Advise said person that the same has violated a specified ordinance;
- (2) Direct said person to make payment in an amount applicable to said alleged violation as set forth in this section as settlement of said claim;
- (3) Advise said person, where applicable, to cease and/or abate said violation forthwith and to refrain from like violations in the future;
- (4) Inform said person that, upon failure to so settle the claim and to cease and/or abate said violations, a complaint will be filed in the Circuit Court of DuPage County.

(b) Except as provided below, citations as provided herein shall be personally served upon the person responsible for the violation, his agent, representative, independent contractor or employee. In the event the owner, occupant, contractor or other person responsible for the violation cannot be located the citation may be served by posting a copy at the property, structure or vehicle where the violation has occurred and sending a copy by United States mail to the last known address of such person.

(c) Any person served with a citation for violations of the following provisions of the Downers Grove Municipal Code and the Comprehensive Zoning Ordinance of the Village of Downers Grove may settle and compromise the matter in respect of such ordinance violation by ceasing and/or abating said violation and paying the sum of ten dollars (\$10.00) if paid within ten (10) days of service of the citation, or twenty-five (\$25.00) dollars if paid after such ten (10) day period but before filing of a complaint in the Circuit Court of DuPage County.

1. DOWNERS GROVE MUNICIPAL CODE

- (i) Section 5-12; Dog, Horse or Pony Running at Large.
- (ii) Section 5-12.1; Disposal of Dog Excrement.
- (iii) Section 13-43; Storage of Refuse.
- (iv) Section 13-49.1; Placing Garbage on the Parkway for Scavenger Removal.

2. COMPREHENSIVE ZONING ORDINANCE

- (i) Section 28-1404; Regulating Off-Street Parking.

(d) Any person served with a citation for violations of the following provisions of the Downers Grove Municipal Code, and such other Codes adopted therein, may settle and compromise the matter in respect of such ordinance violation by ceasing and/or abating said violation and paying the sum of twenty-five dollars (\$25.00) if paid within ten (10) days of service of the citation, or fifty dollars (\$50.00) if paid after such ten (10) day period but before filing of a complaint in the Circuit Court of DuPage

Buildings

County.

1. DOWNERS GROVE MUNICIPAL CODE

- (i) Section 25-11; Use of Public Hydrants.
- (ii) Section 15-8; Drinking in Public.
- (iii) Section 8-99(a)(7); Requirements for Display of Massage Establishment

License.

- (iv) Section 14-74; Pedestrian's Duties at Railroad Grade Crossings.
- (v) Section 15-5.1; Noise Regulations.
- (vi) Section 19-21.1; Depositing Snow on Paved Streets.
- (vii) Section 13-49.2; Discarding Refuse and Compostable Materials in Streets,

etc., prohibited.

2. NATIONAL FIRE PROTECTION ASSOCIATION LIFE SAFETY CODE (As adopted in Section 7-29)

- (i) Section 1-3.13.1; Building Equipment Maintenance.
- (ii) Section 1-3.13.2; Building Fire Equipment and Systems Maintained in

Proper Operating Condition.

3. BUILDING OFFICIALS & CODE ADMINISTRATOR NATIONAL FIRE PREVENTION CODE (As adopted in Section 17-43)

- (i) Section F-310.4; Multi-Plug Adaptors.
- (ii) Section F-310.5; Extension Cords.
- (iii) Section F-518; Portable Fire Extinguishers.

4. COMPREHENSIVE ZONING ORDINANCE

(i) Section 28-1408; Parking of Recreational Vehicles and Recreation Equipment in Residence District.

(e) Any person served with a citation for violations of the following provisions of the Downers Grove Municipal Code, may settle and compromise the matter in respect of such ordinance violation by ceasing and/or abating said violation and paying the sum of fifty dollars (\$50.00) if paid within ten (10) days of service of the citation, or one hundred dollars (\$100.00) if paid after such ten (10) day period but before filing of a complaint in the Circuit Court of DuPage County.

1. DOWNERS GROVE MUNICIPAL CODE

- (i) Section 13-35; Open Burning Prohibited.
- (ii) Section 15.23; Truancy
- (iii) Section 15-28.3; Possession of Telecommunications Devices on Public

School Property Prohibited.

- (iv) Section 17-45; Parking in Fire Lane.
- (v) Section 25-5; Regulations for Water Conservation.

2. DOWNERS GROVE PARK DISTRICT GENERAL USE ORDINANCE (pursuant to an intergovernmental agreement with the Downers Grove Park District)

(f) Any person served with a citation for violations of the following provisions of the Downers Grove Municipal Code, may settle and compromise the matter in respect of such ordinance violation by ceasing and/or abating said violation and paying the sum of seventy-five dollars (\$75.00) if paid within ten (10) days of service of the citation, or one hundred and fifty dollars (\$150.00) if paid after such ten (10) day period but before filing of a complaint in the Circuit Court of DuPage County.

1. DOWNERS GROVE MUNICIPAL CODE

- (i) Section 15-23.1; Possession of Tobacco Products by Minors.
- (ii) Any provision of Chapter 6, Bicycles.
- (iii) Section 19-15.1; Skateboarding, Roller Skating or In-Line Skating in a

Business District.

- (iv) Section 28-1501.04(8) Real Estate Signs.
- (v) Section 28-1501.04(10) Garage/Rummage Sale Signs.

Buildings

2. NATIONAL FIRE PROTECTION ASSOCIATION LIFE SAFETY CODE (As adopted in Section 7-29)

(i) Section 2-4; Obstructing Building Exits.

(g) Any person served with a citation for violations of the following provisions of the Downers Grove Municipal Code, may settle and compromise the matter in respect of such ordinance violation by ceasing and/or abating said violation and paying the sum of one hundred dollars (\$100.00) if paid within ten (10) days of service of the citation, or two hundred fifty dollars (\$250.00) if paid after such ten (10) day period but before filing of a complaint in the Circuit Court of DuPage County.

1. DOWNERS GROVE MUNICIPAL CODE

(i) Section 13.38; A person who smokes in an area where smoking is prohibited under the Smoke Free Illinois Act.

(ii) Section 15-20(b); Sale of Tobacco to a Minor.

(h) Any person served with a citation for violations of the following provisions of the Downers Grove Municipal Code, may settle and compromise the matter in respect of such ordinance violation by ceasing and/or abating said violation and paying the sum of two hundred fifty dollars (\$250.00) if paid within ten (10) days of service of the citation, or five hundred dollars (\$500.00) if paid after such ten (10) day period but before filing of a complaint in the Circuit Court of DuPage County.

1. DOWNERS GROVE MUNICIPAL CODE

(i) Section 3-25; Sale of Liquor to Certain Persons Prohibited.

(ii) Section 7-11.1 (a), (d), (e), (f) (g), (i), (k), (o), (p); Demolition/Construction Site Management.

(i) Any person served with a citation for violations of the following provisions of the Downers Grove Municipal Code, may settle and compromise the matter in respect of such ordinance violation by ceasing and/or abating said violation and paying the sum of five hundred dollars (\$500.00) if paid within ten (10) days of service of the citation, or one thousand dollars (\$1,000.00) if paid after such ten (10) day period but before filing of a complaint in the Circuit Court of DuPage County.

1. DOWNERS GROVE MUNICIPAL CODE

(i) Section 3-25; Sale of Liquor to Certain Persons Prohibited - if Red Under 21

Identification Shown.

(j) Any person served with a citation for violations of the following provisions of the Downers Grove Municipal Code, may settle and compromise the matter in respect of such ordinance violation by ceasing and/or abating said violation and paying one hundred percent (100%) of a permit fee if work is started without a permit.

1. DOWNERS GROVE MUNICIPAL CODE

(i) Section 7-301; Permit Required.

(k) Payment of the citation shall be made at the window at Village Hall, or by depositing payment in the Village drop box or United States mail.

(l) In the event that payment is not made within the time prescribed and a complaint has been filed in the Circuit Court of DuPage County, any person convicted of violating any of the provisions of this code shall be punished by a fine as determined under Section 1-15(a).

(m) The issuance of a citation under this section shall not be deemed a waiver of the power of the Village of Downers Grove to suspend, revoke or refuse to renew any license or permit for cause.

(nn) The following Village personnel shall have the authority to issue citations under this section: police officers, fire department inspectors, community development officers, and such other persons as designated by the Village Manager; provided that fire department inspectors shall only write citations for violations of the Life Safety or BOCA Fire Prevention Code, and that the Village Manager, by administrative regulation, may limit the jurisdictional powers of other persons he designates as authorized to issue citations. (Ord. No. 2261, § 4)

Section 90. That all ordinances or parts of ordinances in conflict with the provisions of this ordinance are

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hereby repealed.

Section 91. That this ordinance shall be in full force and effect from and after its passage and publication in the manner provided by law.

Mayor

Passed:

Published:

Attest: _____

Village Clerk

ORDINANCE NO. _____

**AN ORDINANCE ADOPTING THE 2006 INTERNATIONAL PROPERTY MAINTENANCE
CODE
AND AMENDMENTS THERETO**

BE IT ORDAINED by the Village Council of the Village of Downers Grove in DuPage County,
Illinois, as follows: (Additions are indicated by shading/underline; deletions by ~~strikeout~~):

Section 1. Section 7.35. is hereby renumbered to be Section 7.1401.

7.35. 2006 International Property Maintenance Code--Adoption.

The ~~2000~~2006 International Property Maintenance Code is hereby adopted for the purpose of protecting the public health, safety and welfare, as hereinafter provided, by 1) establishing minimum standards for basic equipment and facilities for light, ventilation, space heating and sanitation; for space, use and location; for safe and sanitary maintenance; and 2) fixing the responsibilities of owners, operators and occupants; and 3) providing for administration, enforcement and penalties in connection therewith. The same is adopted in its entirety, save and except such portions as are hereinafter deleted, modified, or amended, and is, together with such amendments, incorporated as fully as if set out at length herein. Said Code, as modified and amended, may be referred to for all purposes as the "Downers Grove Property Maintenance Code" or the "~~2000~~-International Property Maintenance Code." At least one copy of said Code, including such amendments to it as shall be enacted, shall be filed in the office of the Village Clerk, and additional copies shall be available in the Community Development Department of the Village. (Ord. No. 2900, § 2.)

Section 2. Section 7.36. is hereby repealed in its entirety

7.36. Definitions.

~~For the purposes of the Property Maintenance Code adopted by Section 7-35, the following words and phrases shall have the meanings respectively ascribed to them by this section:~~

~~*Code official.* The Director of Community Development of the Village.~~

~~*Jurisdiction.* The Village of Downers Grove.~~

~~*Legal representative.* The Village Attorney for the Village of Downers Grove. (Ord. No. 2900, § 2.)~~

Section 3. Section 7.37. is hereby renumbered to be Section 7.1402.

7.37. International Property Maintenance Code - Amendments.

The deletions from, ~~and~~ modifications and amendments to the ~~2000~~2006 International Property Maintenance Code as referred to in section ~~7-35~~this Article are ~~the~~as followings:

(a) Sections PM 101.1, PM 104.7, and PM 107.5 are amended by deleting the same in their entirety.

(b) Section 102.3 is amended by deleting the same in its entirety and by substituting in lieu thereof the following new Section:

~~Repairs, additions or alterations to a structure, or changes of occupancy, shall be done in accordance with the procedures and provisions of the 2000 International Building Code, 2000 International Mechanical Code, 2000 International Fuel Gas Code, National Electrical Codes, Illinois State Plumbing Code, The Village of Downers Grove Municipal Code or other applicable Ordinances that are presently adopted by the Village of Downers Grove.~~

2006 Property Maintenance Code

~~(c) Section 102.7 *Referenced codes and Standards* is amended by deleting reference to ICC EC 2000 ICC Electrical Code, IPC 2000; International Plumbing Code, IZC 2000; International Zoning Code and by adding reference to the Illinois State Plumbing Code, the 2002 National Electric Code and the Downers Grove Zoning Ordinance.~~

~~(d) Section PM 111.0 is amended by deleting the same in its entirety and by substituting in lieu thereof the following new section:~~

~~————SECTION PM 111.0 RIGHT TO APPEAL~~

~~PM 111.1 *Petition*: Any person affected by any notice which has been issued in connection with the enforcement of any provision of this code, or of any rule or regulation adopted pursuant thereto, may request and shall be granted a hearing on the matter before the appropriate appeals board.~~

~~PM 111.2 *Appeals boards*: Appeals concerning technical matters related to the application of this code, the building code, plumbing code, or fire prevention code shall be taken to the building board of appeals in accordance with the procedures prescribed in Section 112.6 of the Downers Grove Building Code. Appeals concerning conditions of the premises or nontechnical environmental matters shall be taken to the community maintenance board, which board shall hear and process such appeals in accordance with the procedures prescribed in Section 112.6 of the Downers Grove Building Code.~~

~~(e) Chapter 1 is amended by adding thereto the following new section:~~

~~————SECTION PM 112.0 TRANSFER OF OWNERSHIP~~

~~PM 112.1 *Inspection for ordinance compliance sales*: An inspection for ordinance compliance shall be required prior to the sale of any structure or part thereof other than a one family dwelling. For purposes of this section, a sale includes contract sales, exchanges, conversions to condominium, and transfers of possession or control.~~

~~PM 112.2 *Inspection for ordinance compliance rental*: An inspection for ordinance compliance shall be required prior to the rental of any structure where the use and occupancy classifications as listed in Chapter 3 of the 2000 International Building Code are used except for single family structures. For purposes of this section, a rental includes exchanges, and transfers of possession or control.~~

~~PM 112.3 *Application*: A certificate of ordinance compliance shall be applied for by the owner or seller no more than one hundred twenty days prior to the closing. Application shall be made to the code official upon forms prescribed by such official. Said certificate shall be issued by the code official after it is determined by inspection that the structure complies with Village ordinances including, but not limited to, applicable provisions of this code, the building code, zoning code, and life safety code. If, upon said inspection, the structure does not comply with the applicable ordinances, the code official shall issue a notice of violations enumerating the violations the inspection has uncovered in accordance with the provisions of section PM-107.0.~~

~~PM 112.4 *Fee*: An inspection fee of seventy five dollars (\$75.00) for each of the use and occupancy classifications as listed in Chapter 3 of the 2000 International Building Code except for single family structures, or per floor of a multi floor building shall be required upon application for a certificate of ordinance compliance.~~

~~PM 112.5 *Dwellings*: Whenever the code official has issued a notice of violations upon inspection of a two-family dwelling, multi family dwelling, boarding house, dormitory or hotel, those violations must be corrected and a certificate of ordinance compliance issued prior to closing or transfer.~~

~~PM 112.6 *Nonresidential buildings*: Whenever the code official has issued a notice of violations upon inspection of a nonresidential building, the owner or seller must (1) correct those violations and secure a certificate of ordinance compliance prior to closing or transfer; or (2) furnish the grantee, transferee, mortgagee or lessee a true copy of the notice of violation issued by the code official and furnish to the code official, prior to closing or transfer, a signed and notarized statement from the grantee, transferee, mortgagee or lessee, acknowledging the receipt of such notice of violation and fully accepting the responsibility without condition for making the corrections or repairs required by such notice of violations.~~

~~PM 112.7 *Violations*: Any person participating in a sale in violation of this section, either as a seller or by receipt of a sales commission in connection therewith, shall be deemed in violation of this section, and shall~~

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be punished as provided in Section PM 106.2 of this code.

(f) ~~Section PM 302.4 is amended by deleting the same in its entirety and by substituting in lieu thereof the following:~~

~~PM 302.4 Weeds: All premises and exterior property shall be maintained free from weeds or plant growth in excess of 10 inches (254 mm). A weed is defined as any plant material that invades a landscape, is out of place or interferes with the intended use of an area as well as any plant that has more undesirable qualities than good qualities. All noxious weeds as defined in Section 13-15 of this Code shall be prohibited. All landscapes and plantings shall comply with the following requirements:~~

- ~~(1) they do not pose a vision obstruction for pedestrians and motorists;~~
- ~~(2) the bed or area is properly managed and maintained and is free of weeds;~~
- ~~(3) ornamental grasses and spent flower heads of annuals and perennials shall be mowed or cut to ten (10) inches or less at least once prior to June 1 of each calendar year;~~
- ~~(4) other than trees or shrubs allowed in the Village right of way pursuant to Chapters 19 and 24 of this Code, no cultivated flowers and gardens and ornamental grasses and plants growing in the Village right of way shall create a traffic hazard at or around roadway intersections.~~

(g) ~~Section 303.14 is amended by deleting the same in its entirety and by substituting in lieu thereof the following new Section:~~

~~During the period from April 1 to November 1, every door, window and other outside opening required for ventilation of a habitable room, food preparation areas, food service areas, or any areas where products to be included or utilized in food for human consumption are processed, manufactured, packaged or stored, shall be supplied with approved tightly fitting screens of not less than 16 mesh per inch (16 mesh per 25 mm) and every swinging door shall have a self-closing device in good working condition.~~

(h) ~~Section 505.1 is amended by deleting the same in its entirety and by substituting in lieu thereof the following new Section:~~

~~Every sink, lavatory, bathtub or shower, drinking fountain, water closet or other plumbing fixtures shall be properly connected to either a public water system or to an approved private water system. All kitchen sinks, lavatories, laundry facilities, bathtubs and showers shall be supplied with hot or tempered and cold running water in accordance with the latest Illinois State Plumbing Code.~~

(i) ~~Section 602.2 is amended by deleting the same in its entirety and by substituting in lieu thereof the following new Section:~~

~~Dwellings shall be provided with heating facilities capable of maintaining a room temperature of 65 degrees F (18C) in all habitable rooms, bathrooms and toilet rooms based on the winter outdoor design temperature as indicated in the chart.~~

State	Station	Heating-Degree-Days (year total)	Winter	Summer Dry-Bulb 2-1/2%	Summer Wet-Bulb 2-1/2%	Degrees North Latitude
IL	Chicago (O'Hare)	6,639	97-1/2%	89	76	42 degrees 0'

~~Cooking appliances shall not be used to provide space heating to meet the requirements of this section.~~

(j) ~~Section 602.3 is amended by deleting the same in its entirety and by substituting in lieu thereof the following new Section:~~

~~Every owner and operator of any building who rents, leases or lets one or more dwelling unit, rooming unit, dormitory or guestroom on terms, either expressed or implied, to furnish heat to the occupants thereof shall supply heat during the period from October 1, to May 15 to maintain a temperature of not less than 65 degrees F (18C) in all habitable rooms, bathrooms and toilet rooms.~~

~~Exception:~~

~~When the outdoor temperature is below the winter outdoor design temperature for the locality,~~

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~~maintenance of the minimum room temperature shall not be required provided that the heating system is operating at its full design capacity. However, the inside temperature should not be lower than 50 degrees.~~

~~(k) Section 602.4 is amended by deleting the same in its entirety and by substituting in lieu thereof the following new Section:~~

~~———— Indoor occupiable work spaces shall be supplied with heat during the period
———— from October 1, to May 15, to maintain a temperature of not less than 65
———— degrees F (18C) during the period the spaces are occupied.~~

~~(l) Section 604.2 is amended by deleting the same in its entirety and by substituting in lieu thereof the following new Section:~~

~~The size and usage of appliances and equipment shall serve as a basis for determining the need for additional facilities in accordance with the 2002 National Electrical Code. Dwelling units shall be served by a three wire 120-240 volt, single phase electrical service having a rating of not less than 60 amperes.~~

Section 101.1 is amended to read as follows:

101.1 Title. These regulations shall be known as the Property Maintenance Code of the Village of Downers Grove, hereinafter referred to as "this code".

Section 102.6 is amended by deleting the same in its entirety.

Section 103 is amended by deleting the same in its entirety and are addressed in Chapter 7, Article I of the Downers Grove Municipal Code.

Section 104 is amended by deleting the same in its entirety and addressed in Chapter 7, Article II of the Downers Grove Municipal Code.

Section 106 is amended by deleting the same in its entirety and addressed in Chapter 7, Article X of the Downers Grove Municipal Code.

Section 107 with the Exception of Section 107.5 is amended by deleting the same in its entirety and addressed in Chapter 7, Article X of the Downers Grove Municipal Code.

Section 108.1.1.1 is hereby added as follows:

108.1.1.1 Dangerous structures or premises. For the purposes of this code, any structure or premises that has any or all of the conditions or defects described below shall be considered dangerous:

1. A building or structure, used or intended to be used for dwelling purposes, because of inadequate maintenance, dilapidation, decay, damage, faulty construction or arrangement, inadequate light, ventilation, mechanical or plumbing system, or otherwise, is determined by the code official to be unsanitary, unfit for human habitation or in such a condition that is likely to cause sickness or disease.
2. Any building or structure, because of a lack of sufficient or proper fire-resistive construction, fire protection systems, electrical, mechanical, or plumbing system, or other cause is determined by the code official to be a threat to life or health.
3. Any portion of a building remaining on a site after the demolition or destruction of the building or structure or whenever any building or structure is abandoned so as to constitute such building or portion thereof as an attractive nuisance or hazard to the public.

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4. The building or structure or portion thereof, because of dilapidation, deterioration, decay, faulty construction, the removal or movement of some portion of the ground necessary for the support, or for any other reason is likely to partially or completely collapse, or some portion of the foundation or underpinning of the building is likely to fall or give way.
5. Any portion of a building, structure, or appurtenance that has been damaged by fire, wind, flood, deterioration, neglect, abandonment, vandalism, or by any other cause to such an extent that it is likely to partially or completely collapse.
6. Any means of egress component such as any door, aisle, passageway, stairway, or any walking surface of these components is so warped, torn, loose, or otherwise unsafe, that there is not a safe means of egress, or conformance to the building or fire code provisions relating to existing buildings.
7. Any portion of a building, appurtenance, or ornamentation on the exterior thereof is not of sufficient strength or stability, or is not so anchored, or fastened in place so as to be capable of resisting natural or artificial loads or a design value in correlation with the International Building Code.
8. Any building or structure that has been constructed, exists, or is maintained in violation of any specific requirement or prohibition applicable to such building or structure by local ordinances to such an extent as to present either a substantial risk of fire, building collapse, or any other threat to life and safety.

Section 108.3 is amended by deleting the following from the end of the first paragraph:

"in accordance with Section 107.3. If the notice pertains to equipment, it shall also be placed on the condemned equipment. The notice shall be in the form prescribed in Section 107.2".

Section 110.2 shall be deleted in its entirety and by substituting in lieu thereof the following:

110.2 Notices and orders. All notices and orders shall comply with Chapter 7, Article X of the Downers Grove Municipal Code.

Section 110.4 shall be deleted in its entirety.

Section 111 and subsequent subsections are amended by deleting the same in their entirety and addressed in Chapter 7, Article IX of the Downers Grove Municipal Code.

Section 112 shall be added as follows:

112 PRE-OCCUPANCY ORDINANCE COMPLIANCE APPROVAL

Section 112.1 shall be added as follows:

112.1 Inspection for ordinance compliance. An inspection for compliance with all applicable ordinances of the Village of Downers Grove shall be required for any structure, building, commercial tenant space, multi-family common area, property, or portion thereof prior to a change of occupancy associated with a sale, rental, exchange, conversion to condominium, or transfers of possession or control. This inspection is required for all occupancy classification with the exception of one and two-family dwellings.

Section 112.2 shall be added as follows:

112.2 Application. A certificate of ordinance compliance shall be applied for by the owner or tenant no more than one hundred and twenty days prior to the change of occupancy. Application shall be made to the code official upon forms prescribed by such official

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Section 112.3 shall be added as follows:

112.3 Certificate of compliance. After it is determined by inspection that the structure complies with Village ordinances including, but not limited to, applicable provisions of this code, the Village of Downers Grove Zoning Code, NFPA Life Safety Code, and the International Fire Code a certificate of ordinance compliance shall be issued. If, upon said inspection, the structure does not comply with the applicable ordinances for the intended use of the space, the code official shall prepare an inspection report enumerating the violations the inspection has uncovered. All violations must then be corrected within a time frame as determined by the Director of Community Development.

Section 112.4 shall be added as follows:

112.4 Fees. All fees related to securing the certificate of ordinance compliance shall be as set forth in Chapter 7, Article VIII of the Downers Grove Municipal Code.

Section 201.3 shall be deleted in its entirety and by substituting in lieu thereof the following:

201.3 Terms defined in other codes. Where terms are not defined in this code and are defined in the International Building Code, International Residential Code, National Electrical Code, State of Illinois Plumbing Code, International Fire Code, or International Mechanical Code, such terms shall have the meanings ascribed to them as stated in those codes.

Section 302.4 shall be amended for the first sentence to read as follows:

"All premises and exterior property including right-of-way areas shall be maintained free from weeds or plant growth in excess of ten (10) inches."

Section 302.4.1 shall be added as follows:

302.4.1 Landscaping restrictions. All landscapes and plantings shall comply with the following requirements:

1. Plant material must not pose a safety hazard for the general public at any time of the year as determined by the code official.
2. Planting areas must be properly managed and maintained free of weeds.
3. Ornamental grass and flower shall be cut down to a maximum height of not more than ten (10) inches prior to June 1st of each calendar year.
4. Plant material in the Village right-of-way shall be in compliance with Chapter 19 and 24 of the Village of Downers Grove Municipal Code and shall not create a hazard at or near roadway intersections.

Section 304.1.1 shall be added as follows:

304.1.1 Unsafe conditions. The following conditions shall be determined as unsafe and shall be repaired or replaced to comply with the International Building Code and International Fire Code as required for existing buildings. All items listed must be capable of resisting all nominal loads and load effects:

1. The nominal strength of any structural member is exceeded by nominal loads, the load effects or the required strength.
2. Foundation systems that are not firmly supported by footings, are not plumb and free from open cracks and breaks, or are not properly anchored.
3. Exterior walls that are not anchored to supporting elements or are not plumb and free of holes, cracks, or breaks and loose or rotting materials.
4. Roofing or roofing components that have defects that admit rain, roof surfaces with inadequate drainage, or any portion of the roof framing that is not in good repair with signs of deterioration, fatigue or without proper anchorage.

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5. Veneer, cornices, belt courses, corbels, trim, wall facings and similar decorative features not properly anchored.
6. Overhang extensions or projections including chutes, chimneys, canopies, signs, awnings, fire escapes, and exhaust ducts not properly anchored.
7. Exterior stairs, decks, porches, balconies, and all similar appurtenances attached thereto, including guards and handrails, are not structurally sound or properly anchored.
8. Steel members that have been subjected to deterioration, elastic or ultimate deformation, metal fatigue, or detached, dislodged, or failing connections.
9. Woods members that have been subjected to deterioration, ultimate deformation, damage from insects or rodents, fire damage beyond charring, significant splits and checks, horizontal or vertical shear cracks, excessive cutting or notching, detached, dislodged or failing connections, inadequate support.
10. Concrete or masonry that has been subjected to deterioration, ultimate deformation, fractures, fissures, spalling, exposed reinforcement, detached dislodged or failing connections.
11. Aluminum that has been subjected to deterioration, corrosion, elastic or ultimate deformation, stress or strain cracks, joint fatigue, detached, dislodged, or failing connections.

Section 304.14 shall be amended to include the following dates:

"from April 1st to November 1st"

Section 305.1.1 shall be added as follows:

305.1.1 Unsafe conditions. The following conditions shall be determined as unsafe and shall be repaired or replaced to comply with the International Building Code and the International Fire Code as required for existing buildings. All items listed must be capable of resisting all nominal loads and load effects:

1. The nominal strength of any structural member is exceeded by nominal loads, the load effects or the required strength.
2. The anchorage of the floor or roof to walls or columns, and of walls and columns to foundations is not structurally sound or properly anchored.
3. Stairs, landings, balconies and all similar walking surfaces, including guards and handrails, are not structurally sound or properly anchored.
4. Steel members that have been subjected to deterioration, ultimate deformation, metal fatigue, or detached, dislodged, or failing connections.
5. Wood members that have been subjected to deterioration, ultimate deformation, damage from insects or rodents, fire damage beyond charring, significant splits and checks, horizontal or vertical shear cracks, excessive cutting or notching, detached, dislodged or failing connections, or inadequate support.

Section 306.1 is amended by deleting the exception.

Section 404.3 shall be deleted in its entirety and by substituting in lieu thereof the following:

404.3 Minimum ceiling heights. Habitable spaces, hallways, corridors, laundry areas, bathrooms, and toilet rooms shall have a clear ceiling height of not less than seven (7) feet.

Exceptions:

1. In one- and two-family dwellings, beams or girders spaced not less than four (4) feet on center projecting not more than six (6) inches below the required ceiling height
2. Basement rooms in one- and two-family dwellings may have a ceiling height of not less than 6 feet 8 inches, with not less than six (6) feet four (4) inches of clear height under beams, girders, ducts and similar obstructions.
3. Rooms occupied exclusively for sleeping, study or similar purposes and having a sloped ceiling

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over all or part of the room, with a clear ceiling height of at least seven (7) feet over not less than one half of the required minimum floor area. In calculating the floor area of such rooms, only those portions of the floor area with a clear ceiling height of five (5) feet or more shall be included.

Section 404.4 shall be deleted in its entirety and by substituting in lieu thereof the following:

404.4 Minimum room areas. Every dwelling unit shall have at least one habitable room that shall have not less than one hundred twenty (120) square feet of gross floor area.

Section 404.4.1 shall be deleted in its entirety and by substituting in lieu thereof the following:

404.4.1 Other rooms. Other habitable rooms shall have a floor area of not less than seventy (70) square feet.

Exceptions:

1. Kitchens.

Section 505.1 is amended by deleting the words "International Plumbing Code" and substituting in lieu thereof the following:

"State of Illinois Plumbing Code as adopted and amended by the Village"

Section 602.2 shall be deleted in its entirety and by substituting in lieu thereof the following:

602.2 Residential occupancies. Dwellings shall be provided with heating facilities capable of maintaining a room temperature of sixty-eight (68) degrees in all habitable rooms, bathrooms, and toilet rooms when the temperature is above negative four (-4) degrees outside. Cooking appliances shall not be used to provide space heating to meet the requirements of this section.

Section 602.3 shall be amended by adding the following dates:

"from October 1st to May 15th"

Section 602.3 shall further be amended by deleting Exception #1 in its entirety and substituting in lieu thereof the following:

1. When the outdoor temperature is below negative four (-4) degrees, maintenance of the minimum room temperature shall not be required provided that the heating system is operating at its full design capacity.

Section 602.3 shall further be amended by deleting Exception #2

Section 602.4 shall be amended by adding the following dates:

"from October 1st to May 15th"

Section 604.2 is amended by deleting the words "ICC Electrical Code" and substituting in lieu thereof the following:

"National Electrical Code as adopted and amended by the Village"

Section 702.1 is amended by adding the words "and International Building Code".

Section 702.2 is amended by adding the words "and International Building Code".

Section 704.1 is amended by adding the words "and International Building Code".

Section 704.2 is amended by adding the words "and International Building Code".

Section 704.3 is amended by deleting the first sentence in its entirety and substituting in lieu thereof the following:

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"In Group R-3 occupancies, single-station smoke alarms shall receive their primary power from the building wiring provided that such wiring is served from a commercial source and shall be equipped with a battery backup."

Section 704.4 is amended by deleting the first sentence and substituting in lieu thereof the following:

"Where more than one smoke alarm is required to be installed within an individual dwelling unit in Group R-3 and in dwellings not regulated as Group R occupancies, the smoke alarms shall be interconnected in such a manner that the activation on one alarm will activate all of the alarms in the individual unit."

Section 704.5 is hereby added as follows:

704.5 Carbon Monoxide Detection. Every dwelling unit shall be equipped with at least one approved carbon monoxide alarm within fifteen (15) feet of every room used for sleeping purposes. The carbon monoxide alarm may be combined with the smoke detecting devices provided that the combined unit emits an alarm in a manner that clearly differentiates the hazards. The carbon monoxide alarms may be either battery powered, plug-in with battery back-up, or wired into the structure's AC power line with a secondary battery back-up.

Referenced Standards

Delete all references to the "ICC Electrical Code" and substitute in lieu thereof the following:

"National Electrical Code as adopted and amended by the Village"

Delete all references to the "International Plumbing Code and substitute in lieu thereof the following:

"State of Illinois Plumbing Code as adopted and amended by the Village"

Delete all references to the "International Zoning Code" and substitute in lieu thereof the following:

"Downers Grove Zoning Ordinance as adopted and amended by the Village"

(Ord. No. 2900, § 2.)

Section 4. Section 7.38. is hereby renumbered to be Section 7.1403.

7.38. Penalties.

The penalty provisions contained in Section 106.4 of the ~~2000~~2006 International Property Maintenance Code adopted by ~~Section 7-35~~this Article are hereby deleted, and the provisions for penalties under such code shall be as follows:

PM-106.4 Penalty: Any person, firm or corporation who shall violate any provision of this Code shall, upon conviction thereof, be subject to a fine of not less than seventy-five dollars (\$75.00) and not more than seven hundred fifty dollars (\$750.00). Each day that a violation continues after due notice has been served, in accordance with the terms and provisions hereof, shall be deemed a separate offense. (Ord. No. 2900, § 2.)

Section 5. That all ordinances or parts of ordinances in conflict with the provisions of this ordinance are hereby repealed.

Section 6. That this ordinance shall be in full force and effect from and after its passage and publication in the manner provided by law.

2006 Property Maintenance Code

Mayor

Passed:

Published:

Attest: _____
Village Clerk

ORDINANCE NO. _____

**AN ORDINANCE ADOPTING THE 2006 ICC INTERNATIONAL FIRE CODE
AND AMENDMENTS THERETO**

BE IT ORDAINED by the Village Council of the Village of Downers Grove in DuPage County, Illinois, as follows: (Additions are indicated by ~~shading~~/underline; deletions by ~~strikeout~~):

Section 1. That Section 17.43. is hereby amended to read as follows:

17.43. 2006 ICC International Fire Code - Adoption.

The International Code Council International Fire Code, as promulgated by the International Code Council ("ICC"), being particularly the ~~2000~~2006 edition thereof, is hereby adopted for the purpose of establishing rules and regulations governing conditions hazardous to life and property from fire or explosion. The same is adopted in its entirety, save and except such portions as are hereinafter deleted, modified or amended, and is, together with such amendments, incorporated as fully as if set out at length herein. Said Code, as modified and amended, may be referred to for all purposes as the "Downers Grove Fire Prevention Code" or the "Fire Prevention Code". One copy of said Code, including such amendments to it as shall hereinafter be enacted, shall be filed in the office of the Village Clerk, and additional copies shall be made available by the bureau of fire prevention. (Ord. No. 2857, § 8; Ord. No. 3185, § 2.)

Section 2. That Section 17.44. is hereby amended to read as follows:

17.44. Definitions.

For the purposes of the Fire Prevention Code, the following words and phrases shall have the meanings respectively ascribed to them by this section:

Code official. The person granted the authority to enforce the fire prevention and safety regulations of the Village as set forth in Section 103.2 of the ICC International Fire Code, or his or her designee.

~~—~~*Jurisdiction.* ~~The Village of Downers Grove.~~

Legal representative or legal officer. The Village Attorney for the Village of Downers Grove.

Village. The Village of Downers Grove.

(Ord. No. 2857, § 8.)

Section 3. That Section 17.45. is hereby amended to read as follows:

17.45. International Fire Code - Amendments.

The deletions from and modifications and amendments to the Fire Prevention Code are as follows:

Section 103.2 is amended by deleting the same in its entirety and by substituting in lieu thereof the following:

~~—~~**103.2. Appointment.** The fire code official shall be appointed by the chief appointing authority of the Village.

~~(+)—~~**Section 108.1** is amended by deleting the same in its entirety and by substituting in lieu thereof the following:

108.1 Appeal procedures. Any person aggrieved by any decision or interpretation of the fire official made under the provisions of this Code may take an appeal to the Building Board of Appeals in accordance with the procedures prescribed in ~~Section 7-9~~Chapter 7, Article IX of the Downers Grove

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Municipal Code.

Section 108.3 is deleted in its entirety.

(2) **Section 109.3** is amended by deleting the same in its entirety and by substituting in lieu thereof the following:

109.3 Violation penalties. Any person, firm or corporation violating any of the provisions of the code or failing to comply with any order issued pursuant to any section thereof shall be guilty of a petty offense, and upon conviction thereof shall be punished as provided in Section 1-15 of the Downers Grove Municipal Code. Each day that a violation continues, after a service of notice as provided for in this Code, shall be deemed a separate offense.

Section 111.4 is amended by adding the following fine amounts:

"not less than seventy-five dollars (\$75.00) or more than seven hundred fifty dollars (\$750.00)"

(3) ~~Section 307.1~~ is amended as follows:

Section 307.1 is amended by deleting the same in its entirety and by substituting in lieu thereof the following:

307.1 General. Open burning shall be allowed only as permitted in Section 13-35 of the Downers Grove Municipal Code.

(4) ~~Section 307.2 through 307.5.1~~ **307.4.2** are deleted in their entirety.

Section 310.1 is deleted in its entirety.

Section 310.6 is deleted in its entirety.

Section 401.2 is amended by deleting the same in its entirety and by substituting in lieu thereof the following:

401.2 Approval. Where required by the fire code official, fire safety plans, emergency procedures and employee training programs shall be approved.

Section 404.2 is amended by deleting the phrase "An approved" and by substituting in lieu thereof the following:

"A"

Section 405.2 is amended by deleting the same in its entirety and by substituting in lieu thereof the following:

405.2 Frequency. Required emergency evacuation drills shall be held at the intervals specified in Table 405.2, or as otherwise directed by the fire code official.

Section 408.11.1.1 is amended by adding the phrase "If required" at the beginning of the beginning of the first sentence.

(5) **Section 503** is amended by adding the following:

503.1.4 Fire lanes on private property used by the public.

a. For private property used by the public such as schools, hospitals, churches, shopping centers, apartment complexes, office complexes, theaters, bowling alleys and similar facilities, fire lanes shall be established and designated in the locations deemed necessary by the fire code official. The owner or occupant of the property shall execute an agreement with the Village allowing the Village to enforce the fire

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lane restrictions by issuing parking tickets for vehicles illegally parked in fire lanes designated under this section. The Village Manager is authorized on behalf of the Village Council to execute agreements with property owners, lessees or managers for the enforcement of fire lane restrictions on private property. Such agreement shall be signed prior to issuance of any applicable building permits for the property.

b. Fire lanes may be established and designated on property as aforesaid where the parking of motor vehicles or other obstructions may interfere with the ingress and egress of Fire Department vehicles for the protection of persons and property.

~~(6)~~ **Section 503.3** is amended by adding the following to the end of the paragraph:

Fire lanes designated pursuant to this section shall be posted by the owner of the property with signs reading substantially as follows: "No Parking Fire Lane."

Section 607.3 is amended by adding the following at the end of the paragraph:

- (a) At least one key box shall be provided for every two (2) elevators installed.
- (b) At least two (2) keys for firefighter emergency operation shall be provided for each elevator.
- (c) Elevator key boxes shall be located within three (3) feet of an elevator or as approved by the fire code official. An elevator key box shall be within sight of the doors of any elevator.
- (d) The fire department shall be provided with two (2) keys to open the elevator key boxes for every elevator key box installed.

~~(7)~~ Section 703 is amended by adding the following section:

~~**703.5 Marking of Assemblies.** Where fire rated assemblies are installed, they shall be marked at a minimum spacing of 20 feet with appropriate labeling as approved by the authority having jurisdiction. Markings shall include the hour rating of the assembly present. Areas where penetrations in these assemblies are made shall have a label adjacent to the opening protective installed. Labels may be placed above drop ceilings and under carpeting as necessary. Labels shall be of contrasting color and lettering shall be of at least 1/2" in size, legible from the floor level where installed.~~

~~(8)~~ **Section 901.1** is amended by adding the following sentence:

~~"All fire protection systems shall be designed and installed in accordance **comply** with the requirements of this Code and the Village Alarm Code in Chapter 17, Article VI of the Downers Grove Municipal Code."~~

~~(9)~~ **Section 901.4** is amended by adding the following at the conclusion thereof:

~~Fire detection and alarm systems shall be installed by an approved UL listed contractor.~~

1. New fire detection and alarm systems shall be installed by a licensed State of Illinois Fire Alarm Contractor who is also an approved UL listed contractor. The system shall be U.L. approved, and in accordance with NFPA 72, and the Village Alarm Code in Chapter 17, Article VI of the Downers Grove Municipal Code

2. Repairs, alterations, and replacements to existing fire alarm systems shall be done by a State of Illinois licensed Fire Alarm Contractor in accordance with NFPA 72, and the Village Alarm Code in Chapter 17, Article VI of the Downers Grove Municipal Code as follows:

- a. Existing U.L. listed fire detection and alarm systems shall only be repaired, altered, or added to by U.L. listed contractors.
- b. Existing Non—U.L. listed fire alarm systems, shall meet all the requirements of NFPA 72 and the Village Alarm Code. Fire Alarm Contractors shall be licensed by the State of Illinois.
- c. Existing Non—U.L. listed fire alarm systems that are upgraded, altered, added to by fifty percent (50%) or more, as determined by the Fire Code Official, shall be upgraded to an

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U.L. listed fire alarm system. Where a fire alarm system has installed a new fire alarm panel, it shall be upgraded to an U.L. listed fire alarm system.

(10) **Section 901.4.1** is amended by adding the following language at the end of this section:

"and shall continue to be periodically tested pursuant to Chapter 17, Article VI of the Downers Grove Municipal Code. Before any re-occupancy, a test of the system shall be witnessed by the code official."

Section 901.6.1 is amended by adding the following at the end of the paragraph:

"Automatic sprinkler systems shall be inspected annually in accordance with NFPA 25."

Table 901.6.1 is amended by adding the following after "Water-based fire protection systems"

" / Automated sprinkler systems"

(11) **Section 901** is amended by adding the following section:

901.910 Resetting fire alarm systems. Upon activation of a fire alarm system, the system shall not be reset (restored to a secured or clear condition) by any person until Fire Department personnel are on the scene and direct the system to be reset.

(12) **Section 901** is amended by adding the following section:

901.4011 Silencing fire alarm systems. Upon activation of a fire alarm system, the system shall not be silenced (alarm devices shut off) by any person until Fire Department personnel are on the scene and direct the system to be silenced.

(13) **Section 902.1** is amended by adding the following definition:

SIGNIFICANT REMODELING. In areas with a total square footage of greater than one thousand five hundred (1,500) square feet, when the square footage of the remodeling or reconstruction exceeds thirty-five (35%) of the total building occupancy, tenant or suite space. Reconstruction or remodeling square footage shall be determined by the Code Official.

(14) **Section 903.1** is amended by adding the following language at the conclusion thereof:

903.1 Chapter 9 of the ~~2000~~2006 International Building Code shall not take precedence over any fire protection or life safety system requirements of this ordinance. Any existing building or structure which exceeds the maximum area or height limits of the Downers Grove Building Code, Section 903 and Table 903, shall be equipped with an electrically supervised automatic fire suppression sprinkler system and fire protective signaling system throughout the building in accordance with the provisions of Chapter 17, Article VI of the Downers Grove Municipal Code and the Building Code if:

(a) The building or structure undergoes any significant remodeling, addition of usable floor space, or change of actual use which increases the hazard level in the building in any manner in accordance with the NFPA Life Safety Code and the International Fire Code. Any existing building or structure not exceeding the maximum area limits of Section 903 that undergoes an addition of usable floor space, the addition area shall be added to the existing building area so as to determine the maximum area limits for the installation of a complete sprinkler system in the existing building or structure and the addition thereof; or

(b) The building or structure undergoes a change to a more restrictive use.

Each fire protective signaling system shall be equipped with audio/visual fire alarm warning devices located so as to be seen, and heard effectively above all other sounds, by all occupants in every occupiable space within the building. The sound level of alarm devices shall be at least 15 dBA above the ambient sound level or 5 dBA above the maximum sound level having a duration of at least sixty seconds, whichever is greater, such levels to be measured five feet above the floor level in the occupiable area.

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(15) ~~Section 903.3~~ is amended by adding the following section:

903.3.6.1 High rise structure connections. High rise structures shall carry a five inch storz to two - 2 1/2 inch siamese adapters as part of the high rise equipment box required under Section 911.1 of the International Building Code.

Exception: A fire department connection having the standard internal threaded swivel fittings of 2 1/2 inches NST may be substituted for the five inch storz connection with the approval of the authority having jurisdiction where system pressures may exceed hose test pressure or water supply could require an extensive hose lay to the structure.

(16) ~~Section 903.3.7~~ is amended by adding the following language at the conclusion thereof:

The fire department connections shall be five inch storz type connectors compatible with the hose couplings currently used by the local fire department and connected to the riser by means of a five inch or larger piping system.

(17) ~~Section 903~~ is amended by adding the following section:

903.7 Primary System Flow Switches. Where all components of a sprinkler system are individually controlled and send independent zoned alarms, any main flow switches, pump running and other associated primary water flow indicators shall be connected to a supervisory zone. The primary flow indicator will be tied to the external (24 VDC) device which will be non-silenceable as required by NFPA 72 for indication of water flow.

Exception: All devices will be connected in accordance with the requirements as indicated, modification and application of this Code section is subject to the authority having jurisdiction.

(18) ~~Section 903~~ is amended by adding the following section:

903.8 Dry sprinkler system. All dry pipe systems shall have a dryer on the air compressor to minimize moisture within the system piping.

(19) ~~Section 905.3.1~~ is amended by adding the following after the word "buildings":

"three or more stories in height" .

Section 905.1.1 is further amended by deleting "30 feet" and replacing it with the following:

"twenty-two (22) feet"

(20) ~~Section 906.1(1)~~ is amended by deleting the first sentence and replacing it with the following:

In all buildings of Use Groups A, B, E, F, H, I-, M, R-1, R-2, R-3 if containing a child care facility, S and U."

(21) ~~Section 906.1(2)~~ is amended by adding the following to the end of Section 906.1(2):

an extinguisher of a type appropriate to the hazard present (Class K) shall be installed. Wet chemical extinguishers are acceptable and desirable where a fryer application is present.

(22) ~~Section 907~~ is amended by adding the following:

907.1.3 Power source. The power source for smoke detectors shall be an AC primary source with a battery backup power source. Exception: Smoke detectors powered by DC power from a fire alarm control panel and such panel being (primary) powered by AC power are acceptable if the system is connected to the Village's fire alarm receiving equipment in accordance with the provisions of Chapter 17, Article VI, of the Downers Grove Municipal Code.

907.1.4 Fire protective signaling system. The following shall be equipped with an electrically supervised fire protective signaling system connected to the Village's fire alarm receiving equipment in

accordance with the provisions of Chapter 17, Article VI of the Downers Grove Municipal Code:

- (a) All buildings or structures equipped with a fire suppression system, fire sprinkler system or fire detection system except one- and two- family dwellings;
- (b) All buildings of Use Groups; and
- ~~(c) Any other building required by any code or ordinance to be equipped with a fire alarm, fire detection or fire suppression system.~~

Each fire protective signaling system shall be equipped with audio/visual fire alarm warning devices located so as to be seen, and heard effectively above all other sounds, by all occupants in every occupiable space within the building. The sound level of alarm devices shall be at least 15 dBA above the ambient sound level or 5 dBA above the maximum sound level having a duration of at least sixty seconds, whichever is greater, such levels to be measured five feet above the floor level in the occupiable area.

907.1.52 General Requirements for Manual Alarm and Automatic Fire Detection Systems in the Village.

- ~~(a) All buildings or structures of Use Groups A-4, E, I-1, I-2, I-3 and R-1, shall be protected throughout all spaces by an approved supervised fire detection and fire protective signaling system connected to the Village's fire alarm receiving equipment in accordance with the provisions of Chapter 17, Article VI of the Downers Grove Municipal Code, unless such building or structure is fully protected by an approved supervised fire sprinkler system.~~
- ~~(b) All buildings or structures of Use Groups A-2, A-3, B, F, H, M, R-2, S-1, and S-2, which are located within the DB Downtown Business District (as defined in the Comprehensive Zoning Ordinance) and are required to have a certain degree of separation between floors, paths of exit access, occupancy or uses, shall be permitted to substitute a complete fire detection and fire protective signaling system installed throughout the building for the required degree of separation if in the opinion of the code official such separation is impractical. The fire detection and fire protective signaling system shall be connected to the Village's fire alarm receiving equipment in accordance with the provisions of Chapter 17, Article VI of the Downers Grove Municipal Code and the Building Code.~~
- ~~(c) All buildings or structures containing a residential use and any other occupancy that is not a residential use shall have a complete fire detection and fire protective signaling system installed throughout the building. The fire detection and fire protective signaling system shall be connected to the Village's fire alarm receiving equipment in accordance with the provisions of Chapter 17, Article VI of the Downers Grove Municipal Code.~~
- ~~(d) Each fire protective signaling system shall be equipped with audio/visual fire alarm warning devices located so as to be seen, and heard effectively above all other sounds, by all occupants in every occupiable space within the building. The sound level of alarm devices shall be at least 15 dBA above the ambient sound level or 5 dBA above the maximum sound level having a duration of at least sixty seconds, whichever is greater, such levels to be measured five feet above the floor level in the occupiable area. In all new buildings, additions, and buildings constructed under the 2006 International Building & Fire Codes, except in one- and two-story residential dwellings, a complete manual and automatic fire alarm detection system, connected to the Village's fire alarm board, shall be installed throughout the building in accordance with NFPA 72.~~

~~(23) Section 907.2 is further amended by adding the following to the end of paragraph two:~~

All fire alarm systems meeting the requirements of Section 901.4 shall be UL certified upon acceptance by Downers Grove. Fire Department UL certification of the fire alarm system shall be maintained for the life of the structure.

Sections 907.2.1, 907.2.1.1, 907.2.2, 907.2.3, 907.2.4, 907.2.5, 907.2.6, 907.2.6.1, 907.2.6.2, 07.2.6.3, 907.2.6.3.3, 907.2.7, 907.2.7.1, 907.2.8, 907.2.8.1, 907.2.8.2, 907.2.8.3, 907.2.9, 907.2.10.1, 907.2.10.1.1, 907.2.10.1.2, and 907.2.10.1.3 are deleted in their entirety.

Section 907.2.12. is amended by deleting the amending height of "75 feet" and substituting in lieu thereof:
"55 feet"

Section 907.2.16 and Section 907.2.17 are deleted in their entirety.

~~-(24) Section 907.2.1 is amended by deleting the first sentence and inserting; "A manual fire alarm system and automatic fire detection system shall be installed in accordance with NFPA 72 in group A occupancies"~~

~~-(25) Section 907.2.1 is further amended by deleting the exception.~~

~~—~~

~~-(26) Section 907.2.2 is amended by deleting the same in its entirety, including the exception, and adding the following:~~

~~———— **907.2.2 Group B.** "A manual fire alarm system and automatic fire detection system shall be installed in accordance with NFPA 72 in group B occupancies."~~

~~-(27) Section 907.2.3 is amended by deleting the same in its entirety, including the exception and adding the following:~~

~~———— **907.2.3 Group E.** A manual fire alarm system and automatic fire detection system shall be installed in accordance with NFPA 72 in group E occupancies. When automatic sprinkler systems or smoke detectors are installed, such system or detectors shall be connected to the building fire alarm system.~~

~~-(28) Section 907.2.4 is amended by deleting the same in its entirety, including the exception and adding the following:~~

~~———— **907.2.4 Group F.** "A manual fire alarm system and automatic fire detection system shall be installed in accordance with NFPA 72 in group F occupancies."~~

~~—~~

~~-(29) Section 907.2.5 is amended by deleting first sentence and inserting; "A manual fire alarm system and automatic fire detection system shall be installed in accordance with NFPA 72 in group H occupancies."~~

~~-(30) Section 907.2.6 is amended by deleting the exception.~~

~~-(31) Section 907.2.6.1 is amended by deleting the exceptions.~~

~~-(32) Section 907.2.6.2.2 is amended by deleting the first sentence.~~

~~-(33) Section 907.2.6.2.3 is amended by deleting exceptions 2 and 3.~~

~~-(34) Section 907.2.7 is amended by deleting the same in its entirety including the exceptions and adding the following:~~

~~———— **907.2.7 Group M.** A manual fire alarm system and automatic fire detection system shall be installed in accordance with NFPA 72 in group M occupancies.~~

~~-(35) Section 907.2.7.1 is deleted in its entirety.~~

~~-(36) Section 907.2.9 amended by deleting the same in its entirety, including the exceptions and adding the following:~~

~~———— **907.2.9 Group R-2.** A manual fire alarm system and automatic fire detection system shall be installed in accordance with NFPA 72 in group R-2 occupancies and deleting the exceptions.~~

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~~(37) Section 907.2.12 is amended by deleting the number "75 feet (22 860 mm)" and inserting the following "40 feet".~~

~~(38) Section 907.2.12.3 is amended by deleting the exception.~~

~~(39) Section 907.2.12.4 is hereby added as follows:~~

~~———— **907.2.12.4 High Rise.** In all buildings defined as high rise, suitable fire department radio communications in addition to hard-wired systems shall be determined prior to construction. Suitable repeaters or antenna systems shall be approved by the fire department.~~

~~(40) Section 907.2.18.1(1) is amended by adding the words; "fire alarm and sprinkler room" after the word "machine".~~

~~(41) **Section 907.2.19** is amended by adding the words; "and automatic fire detection system" after the words "manual fire alarm system".~~

~~(42) **Section 907.3.** is hereby amended by adding the following at the conclusion thereof:~~

~~A Manual Fire Alarm and Automatic Fire Detection System in accordance with Section 907.3.1 through 907.3.9 and 907.1.5.1 shall be required in existing buildings in all other Use Groups as listed in Chapter 3 of the International Building Code ("IBC") except One and Two Family Residential Dwellings if:~~

~~1. The building, occupancy, tenant or suite undergoes a change in use that elevates the level of risk to life and property, such as a significant increase in the anticipated daily occupancy or in the content load from a prior load level of the same general content to a more restrictive use; or~~

~~2. The building, occupancy, tenant or suite undergoes the addition of usable floor space, or change in use which increases the hazard level in the area in any manner as established by at least one requirement in the NFPA Life Safety Code, the International Fire Code or the International Building Code; or~~

~~3. The building, occupancy, tenant or suite undergoes any significant remodeling (as defined in Section 902.1)~~

~~4. The building or structure contains a residential use and any other use in addition to residential.~~

When identifying the need for the installation of a Manual Fire Alarm and Automatic Fire Detection System, a specific written finding shall be made by the Village based upon the above-stated requirements.

Section 907.3.1 is amended by adding at the end of the paragraph the following:

"except as amended."

~~(43) **Section 907.3.1.1** is amended by deleting the exceptions.~~

~~(44) **Section 907.3.1.2** is amended by deleting the exception.~~

~~(45) Section 907.3.1.6 is amended by deleting the words; "more than three stories or"~~

Section 907.3.1.7 is amended by deleting the same in its entirety.

~~(46) Section 907.3.1.8 is amended by deleting the words; "with more than three stories or with more than 16 dwelling units"~~

~~(47) **Section 907.3.1.8** is amended by deleting exception number 1.~~

~~(48) Section 907.3.1.9 is amended by deleting the exceptions.~~

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~~-(49) Section 907.4.1 is amended by deleting the exception.~~

Section 907.6 is amended by deleting the words "ICC Electrical Code" and substituting in lieu thereof the following:

"National Electrical Code as adopted and amended by the Village"

~~-(50) Section 907.9.2~~ is amended by deleting the number "75 feet (22 860 mm)" and and inserting in lieu thereof:

"4055 feet".

~~-(51) Section 907.15~~ is amended by adding the following section:

907.15.1 Connection to Village. All fire alarm systems shall be supervised by connection to the Village fire alarm receiving panel in the manner specified by the Municipal Code and shall transmit alarm, trouble, and supervisory signals.

In lieu of connecting to the Village's alarm receiving panels as set forth above, any property within the municipal limits of Downers Grove which is under the jurisdiction of a fire protection district organized pursuant to state law shall instead connect to the alarm receiving panels of the fire protection district. Such alternative connection shall be according to the fire protection district's rules and regulations for connection.

Section 907.15 is further amended by deleting Exception #1 and Exception #2

~~-(52) Section 907.20~~ is amended by adding immediately at the conclusion thereof the following: "and as specified in the Alarm Code in Chapter 17, Article VI of the Downers Grove Municipal Code.

~~-(53) Section 907.20.2~~ is amended by deleting the same in its entirety and substituting in lieu thereof the following:

907.20.2 Testing. Complete and satisfactory tests shall be performed on all devices in accordance with Chapter 17, Article VI of the Downers Grove Municipal Code.

~~-(54) Section 907.20.5~~ is amended by adding immediately at the conclusion thereof the following: "as specified in the Alarm Code in Chapter 17, Article VI of the Downers Grove Municipal Code."

~~-(55) Section 909.3~~ is amended by adding the following language at the conclusion thereof:

"or as specified in the Village Alarm Code in Section 17, Article VI, of the Downers Grove Municipal Code, whichever is more often."

Section 909.11 is amended by deleting the words "ICC Electrical Code" and substituting in lieu thereof the following:

"National Electrical Code as adopted and amended by the Village"

Section 909.12 is amended by deleting the words "ICC Electrical Code" and substituting in lieu thereof the following:

"National Electrical Code as adopted and amended by the Village"

~~-(56) Section 912~~ is amended by adding the following:

912.1 Installation. A 5" STORTZ connection shall be required and shall comply with 912.2 through 912.6, unless otherwise determined by the fire code official.

Section 912.5 is amended by deleting the words "International Plumbing Code" and substituting in lieu thereof the following:

"State of Illinois Plumbing Code as adopted and amended by the Village"

912.5.1 Backflow prevention. Whenever a backflow prevention device is required to be installed on an existing hydraulically calculated sprinkler system, the system shall be recalculated to assure that the design density of the sprinkler system is satisfied. Should the design density be inadequate, the automatic sprinkler system shall be redesigned for compliance with the required design density.

912.5.2 Backflow prevention - antifreeze systems. Wherever an existing antifreeze sprinkler system is not protected by a reduced pressure backflow prevention device, the system shall be altered to incorporate a reduced pressure backflow prevention device at the point of connection to that section of the system containing such additives.

~~(57)~~ **Section 913.1** is amended by adding the following section at the end of the paragraph:
"and the IBC Section 913.1".

Section 913.2.1 is added as follows:

913.2.1 Fire pump emergency power. Any fire pump installed to meet the hydraulic design needs of an automatic fire sprinkler system shall be connected to an automatically switched emergency power generator to assure operation at all times. The emergency power generator, all switching equipment, and the connection to the fire pump shall meet all requirements of the National Electrical Code (NFPA 70) as adopted by the Village.

Section 1001.1 is amended by adding the following at the end of the second sentence:
"and IBC Sections 1003.5, 1007.1, 1007.2, 1007.2.1 and 1088.1.1"

Section 1001.2 is deleted in its entirety and by substituting in lieu thereof the following:

1001.2 Maintenance. Means of egress shall be maintained in accordance with the International Fire Code and the International Maintenance Code as adopted and amended by the Village.

~~(58)~~ Section 1003.2.11 is hereby amended by adding the following section:

~~**1003.2.11.2.1 Emergency lighting.** Where emergency lighting units are required by Village ordinance or regulation, twenty percent (20%) of those lights must have battery power if the building or structure has an emergency generator for such lighting. For multi-story buildings, stairs shall at a minimum have a battery powered unit at every fourth landing. These battery powered units on the stairs can be applied toward the twenty percent (20%) requirement.~~

Section 1006.3 is amended by adding the following at the end of the section:

1006.3 Emergency Lighting. Where emergency lighting is powered by a generator, a minimum of twenty percent (20%) of the emergency light fixtures shall be provided with battery back-up. For multi-story buildings, battery powered units shall be provided in enclosed stairways for proper illumination of each story.

~~(59)~~ ~~Section 1011.3~~ **1028.3** is amended by adding the following section:

1011.28.3.1 Check out lanes. At no time shall check-out lanes be blocked by stored carts, displays, chains or other fixed obstructions to free access.

~~(60)~~ **Section 1404** is amended by adding the following section:

1404.8 Restriction of combustible materials. Where required by the code official, no combustible construction materials or packaging shall be stored inside the building or structure until the sprinkler system is activated. Where deemed necessary by the code official, the activated sprinkler system shall be supervised by a temporary connection to the Village's fire alarm receiving equipment.

~~(61)~~ **Section 22101** is amended by adding the following sections:

22101.2.2.1 Storage of waste oils. Waste oils shall be stored in a listed double wall tank located outside the building with a minimum 2" diameter steel vent pipe extending at least 18" above the roof line. The tank shall be installed on a concrete pad with drainage and shall be protected from vehicular traffic damage in an approved manner and shall be blocked from view by an approved fence a minimum of six feet high. The tank and all associated piping shall be air pressure tested in the manner prescribed by the manufacturer and such test shall be witnessed by the code official.

22101.2.2.2 Maximum waste oil storage above ground. The maximum amount of waste oil stored outside above ground without additional protection shall be 660 gallons. Where the amount stored outside above ground exceeds 660 gallons, the installation shall comply with NFPA 31 listed in the ICC Fire Prevention Code.

22101.2.2.3 Storage of motor oils in above ground tanks. New motor oils shall be stored in a listed single wall tank if stored inside, or a listed double wall tank if stored outside. When stored outside, the tank shall be installed on a concrete pad with drainage, shall be protected from vehicular traffic damage in an approved manner, and shall be blocked from view by an approved fence a minimum of six feet high. The tank and all associated piping shall be air pressure tested in the manner prescribed by the manufacturer and such test shall be witnessed by the code official.

22101.2.2.4 Maximum motor oil storage above ground: The maximum amount of new motor oil stored in above ground tanks inside a building shall not exceed 1,320 gallons. If stored outside, the maximum amount of new motor oil shall not exceed 1,320 gallons without additional protection pursuant to NFPA 31 listed in the ICC Fire Prevention Code.

~~(62)~~ **Section 3302.1** is amended by deleting the definition of "fireworks" in its entirety and substituting in lieu thereof the following:

FIREWORKS. The term "fireworks" shall have the same meaning as that term is defined and used in the Illinois Fireworks Regulation Act*

~~(63)~~ **Section 3401.1** is amended by adding the words: "or waste oils" after the words "combustible liquids" wherever they appear therein.

~~(64)~~ **Section 3401.4** is amended by adding the following:

3401.4.1 Annual Permit License Required. An annual permit is required for underground storage of flammable/combustible liquids per Ordinance 4588. A bond is required for any installation or removal of any underground storage tanks. Fees and bonds are as noted in Section 17-47 of the Downers Grove Municipal Code.

~~(65)~~ **Section 3404.1** is amended by deleting the same in its entirety and substituting in lieu thereof the following:

3404.1 General. Combustible liquid storage tanks of any capacity installed above ground shall comply with this chapter. Flammable liquids shall not be stored above ground.

~~(66)~~ **Section 3404.2** is amended by adding the following:

3404.2.9.5.1.7 Fuel dispensing systems. Above ground tanks shall be permitted for the storage of combustible motor fuels on premises to which the public does not have access when installed in a special enclosure constructed in accordance with NFPA 30A listed in the ICC Fire Prevention Code.

~~(67)~~ **Section 3404.2.9** is amended by adding the following section:

3404.2.9.6.11 Tank Capacity/Installation. Tanks containing motor fuels shall not exceed 1,000 gallon individual fuel capacity or 1,500 gallons in aggregate capacity. Installations with the maximum allowable aggregate capacity shall be separated from other such installations by no less than 100 feet.

~~(68)~~ **Section 3404.2.13.1.4(3)** is amended by deleting the exception.

~~(69)~~ **Section 3801.2** is amended by deleting the same in its entirety and substituting in lieu thereof the following:

3801.2 Permits required.

(a) A permit shall be obtained from the code official for each of the following:

(1) installation of liquefied petroleum gas tanks regardless of the capacity;

(2) sales or exchanges of filled tanks and the filling of tanks of any size for sale or use on

site;

(3) for the storage of containers used in commercial, maintenance, construction, stock management or vehicles, and

(4) any other use where tanks are used and stored on a regular basis.

(b) Prior to installation, use or storage of liquefied or petroleum gas, the applicant for a permit shall submit plans to the code official detailing such installation, use or storage. If compliance with the requirements of this Code is shown by such plans, a permit shall be issued. The code official shall inspect the site upon completion of the installation to determine compliance with the plans and the ordinances of the Village.

(c) Permit fees shall be in accordance with Section 17.47 of the Downers Grove Municipal Code.

~~(70)~~ **Section 3809** is amended by deleting in their entirety the following sections:

~~3809.4~~

~~3809.9~~

~~3809.10~~

~~3809.11~~

~~(71)~~ **Section 3809** is amended by adding the following section:

3809.165 Storage of containers. Containers stored inside or outside a building shall be secured inside a shelf or rack system of non-combustible construction or shall be chained to a non-combustible wall. Either method of storage shall prevent the tank from "rocketing" if exposed to fire. If stored outside, tanks shall be protected from tampering.

Appendix B, Fire-flow Requirements for Buildings, is hereby adopted in its entirety.

Appendix D, Fire Apparatus Access Roads, is adopted in its entirety.

(Ord. No. 2857, § 8; Ord. No. 3118, § 20; Ord. No. 3185, § 3.)

Section 4. That Section 17.46. is hereby amended to read as follows:

17.46. Fire Plan Examination Fees.

Upon application for any non-residential permit required by the Building Code, or any amendment thereto, the applicant shall pay a fire plan examination fee to the Village in accordance with the provisions of this section; any amendment to a permit shall not be approved until additional fees, if any, shall have been paid. Plan review fees shall be non-refundable.

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Commercial, Industrial & Multi-Family, One- & Two- Family Structures

1. Sprinkler Systems: Includes standpipes and fire pumps as part of the system.

Number of Sprinklers	Fee
1 – 20	\$200.00 <u>\$250.00</u>
21-100	\$400.00 <u>\$450.00</u>
101-200	\$500.00 <u>\$550.00</u>
201-300	\$600.00 <u>\$650.00</u>
301-500 <u>400</u>	\$700.00 <u>\$750.00</u>
<u>401-500</u>	<u>\$850.00</u>
Over 500 Sprinklers	\$815.00 <u>\$950</u> + \$1.00 <u>\$1.50</u> for each sprinkler over 500

(2) Standpipe Systems

Basic fee: ~~\$150.00~~ \$200.00 for the 1st per-standpipe, \$150.00 per additional standpipe.

~~No charge for standpipe systems that are part of the complete building sprinkler system plan review.~~

(3) Fire Pumps

Basic fee: ~~\$300.00~~ \$350.00 per Fire Pump

~~No charge for fire pump system that is part of the complete building sprinkler system plan review.~~

Note: For pumps being installed to upgrade and or enhance the design of an existing sprinkler or standpipe, additional fees may apply for the review of the new design of the system being enhanced by pump.

(4) Suppression Systems

Spray Booths: \$150.00

Restaurant Wet Chemical Systems

Restaurant system: ~~\$300.00~~ \$350.00 flat rate per hood system

Restaurant Mechanical Hood and Duct Systems

Flat rate of ~~\$300.00~~ \$350.00 per hood

Gas Suppression Systems or Dry Chemical Systems

The fee is based on the total pounds of Suppression Agent used

Pounds of Suppression Agent	Fee
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2006 Fire Code

1 – 50	\$115.00 <u>150.00</u>
51-100	\$115.00 <u>200.00</u>
101-200	\$200.00 <u>250.00</u>
201-300	\$275.00 <u>325.00</u>
301-400	\$355.00 <u>400.00</u>
401-500	\$435.00 <u>475.00</u>
501-750	\$515.00 <u>550.00</u>
751-1,000	\$600.00 <u>625.00</u>
Over 1,000	\$600.00 <u>700.00</u> plus 80 <u>\$1.00</u> for each pound of agent over 1,000

(5) Fire Detection and Alarm Systems

- (i) Basic fee for a complete new system is: ~~\$150.00~~ 200.00 for the first 15,000 square feet. Each additional 15,000 square feet or portion thereof: \$200.00
- (ii) Partial systems: \$150.00 for the first 15,000 square feet. Each additional 15,000 square feet or portion thereof: \$200.00
- (iii) Partial systems: ~~No charge sprinkler with fire alarm review.~~

(6) Above and Underground Tank Review

	Fee
Above Ground Tank Installation	\$300.00 per tank
Underground Tank Installation	\$300.00 per tank
Underground Tank Removal	\$300.00 per tank
Underground Tank Bond	\$10,000.00

(7) Miscellaneous Fire Plan Review \$75.00

(B) Special Consultation

For any Fire Protection concerns in which the Village of Downers Grove Fire Chief or Fire Prevention Division Chief determines that additional technical resources or technical assistance is required from source outside of staff, the applicant shall be responsible for the actual consultant fees charged. The applicant shall be responsible for all consultant costs.

Examples where such fees may apply are as follows.

Plan review of smoke control systems; life safety plan review for covered malls or other similar type structures; plan review of projects where performance based design is used to comply with codes; and plan review of projects greater than 5,000 square feet.

Section 5. That Section 17.47. is hereby amended to read as follows:

17.47. Permit and Inspection Fees.

No permit shall be issued or inspection conducted until all fees described in this Section and any outstanding fees have been paid in full.

- (a) Permit fees are as follows:

Open Burning Permit (per occurrence)	\$40.00 <u>50.00</u>
Fireworks Permit (per occurrence)	\$50.00 <u>75.00</u>

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Spray Booth Permit (annual)	\$50.00
Underground Petroleum Storage (annual)	\$150.00
Liquefied Petroleum Gas Tank Storage and Sales (annual)	\$35.00 50.00
Tar Kettle Permit (per occurrence)	\$50.00 75.00
<u>Spray Booth Inspection</u>	<u>\$100.00</u>

<u>Above Ground Tank Installation Inspection</u>	<u>\$100.00 per tank</u>
<u>Underground Tank Installation Inspection</u>	<u>\$100.00 per tank</u>
<u>Underground Tank Removal Inspection</u>	<u>\$100.00 per tank</u>
<u>Each Tank Reinspection</u>	<u>\$100.00 per tank</u>
<u>Tank/Piping Pressure Test</u>	<u>\$100.00 per tank</u>
<u>Remote Dispensing Device</u>	<u>\$100.00 per Hose or Nozzle</u>
<u>Each Tank Reinspection</u>	<u>\$100.00</u>

(b) Inspection fees are as follows:

Hydro Static Test	\$70.00 100.00
Fire Alarm Acceptance Test (per floor)	\$70.00 100.00

<u>Restaurant Mechanical Hood & Duct Systems</u>	<u>\$100.00</u>
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<u>Fire Pump Acceptance Test</u>	<u>\$150.00</u>
<u>Fire Pump Annual Inspection Fee</u>	<u>\$150.00</u>
<u>Generator Acceptance Test</u>	<u>\$150.00</u>

Temporary Use Permit Inspections	\$40.00 50.00
Amusement Ride (per inspector)	\$50.00
Walk Through	\$25.00 50.00
<u>Miscellaneous Fire Permit Inspection</u>	<u>\$75.00</u>

Reinspections:

<u>First Inspection</u>	<u>\$75.00</u>
Second reinspection	\$25.00 75.00
Subsequent reinspection(s)	\$50.00 75.00

Fire Extinguisher Training	\$50.00/hour
Fire Watch Personnel (per person)	\$50.00 100.00 1st hour, \$75.00
<u>each additional hour per person/per hour</u>	
Fire Watch Apparatus	\$150.00 per hour

Section 6. That Section 17.58. is hereby amended to read as follows:

17.58. Alarm system requirements for connection.

Alarm System connections to the Village System shall be made only after compliance with the following requirements:

- (a) Connection shall not overburden or otherwise interfere with the operation of the Village System.
- (b) The Alarm System shall be installed according to the manufacturer's specifications.
- (c) Alarm Systems shall be compatible, as determined by the Fire or Security Alarm Coordinator, with the Village System's digital alarm receiving panel.
- (d) The Alarm User shall make arrangements with the company installing the Alarm System and with their telephone service provider for a telephone line(s) from the property to the Village System.

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(e) For security Alarm Systems, mechanisms shall be adjusted so that an alarm signal will sound for no longer than ten minutes after being activated.

(f) For fire Alarm Systems, the Alarm User shall purchase and install a standard security lock box in the manner and location prescribed by the Fire Alarm Coordinator and containing keys to all entrances and exits to the building to allow immediate access in emergency situations. At the request of the Alarm User, the Fire Alarm Coordinator may permit the installation of a security lock box tamper switch connected to a security Alarm System; however, no such connection to the fire Alarm System shall be allowed.

(g) For fire Alarm Systems, the following standards and guides as adopted by the National Fire Protection Association (NFPA) are adopted by reference as the standards for the installation, maintenance and testing of fire Alarm Systems:

(1) NFPA 72 Standard for the Installation, Maintenance and use of Protective Signaling Systems ~~1996~~2002 Edition, as amended.

(h) The Fire Alarm Coordinator shall inspect the property prior to connection and make a written finding as to whether the above requirements have been met. For fire Alarm Systems required to be installed by the Downers Grove Municipal Code, the inspection shall be a prerequisite for the final occupancy permit given by the building official of the Village for new construction or remodeling of buildings.

(Ord. No. 2183, § 1; Ord. No. 2681)

Section 7. That Section 17.59. is hereby amended to read as follows:

17.59. Fire Alarm System Requirements.

Fire alarm systems, when required, shall be installed per the Downers Grove Municipal Code and Village Alarm Code, NFPA 72, the Illinois Accessibility Code and the following as approved by the fire code official:

- I. Audio visual devices are required in all occupancies, in all occupied spaces, and are required to be heard at 15dB over ambient noise levels.
- II. Visual alarm devices are required in all restrooms.
- III. Buildings with fire suppression and/or alarm systems installed are required to have a weatherproof audio/visual (24 VDC) device mounted on the exterior of the building in an approved location. Strip malls with individual business shall have a weatherproof audio/visual (24 VDC) device mounted on the exterior of the building for each individual business in an approved location. The audio/visual device shall be adjacent to the fire department connection when provided. This device shall activate in unison with the existing fire suppression or alarm systems.
- IV. Air handling systems over 2000 cfm (cubic feet per minute) are required to be equipped with duct smoke detectors which deactivate the HVAC system.
- V. Individual duct smoke detectors shall be monitored on a separate zone of the alarm panel OR multiple duct detectors can be monitored on the same zone if a remote LED/test-reset keypad for each individual duct detector is mounted immediately adjacent to the detector. These devices shall be mounted no higher than seven (7) feet off the floor.
- VI. Smoke detection in any air distribution system shall alarm as a supervisory signal.
- VII. A secondary power supply minimum capacity of 60 hours or as approved by the code official.
- VIII. All visual alarm devices (strobes) shall synchronize.

Section 8. That Section 17.62. is hereby amended to read as follows:

17.62. Maintenance, testing and alarm verification requirements.

(a) All Alarm Users shall maintain the Alarm System in good working order. All alarm systems that are malfunctioning, in disrepair, or in need of component replacement shall come into Code

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compliance within thirty (30) days of notification by the Village. Each alarm user whose system has not been brought into Code compliance by the 31st day after notification will be charged ten dollars (\$10.00) per day for each day not in Code compliance.

(b) The Alarm User shall have any fire Alarm System and all devices tested according to the following schedule by a licensed testing agency or licensed electrical contractor:

- Sprinkled buildings - ~~quarterly~~ semi-annually
- Non-sprinkled buildings - semi-annually
- ~~Single family and two family dwellings — annually~~

(1) Tests under this section shall be conducted according to the standards as set forth in Section 17-58(g).

(2) The results of the testing agency or electrical contractors test shall be in writing, signed by the agency or contractor, and kept on file at the premises where the Alarm System is being used. A copy of the test results shall be given to the Fire Alarm Coordinator upon completion of the Alarm System test. Tests shall not be considered completed until the Village receives the written results thereof. If the written results are not received by the Village within thirty days after the end of the applicable testing interval, the Alarm User shall be subject to the additional fee set forth in Section 17-71(b).

(c) Alarm Users shall require their alarm system service provider to verify alarm activations by telephone or electronic means prior to reporting the alarm activation to the Village Operations Center. Alarm system service providers shall attempt verification on all telephone alarms.

(d) It shall be the responsibility of both the alarm user and the owner of the premises where the alarm system is located to notify the Village within ten (10) days of a change of ownership, user or keyholder and to provide a telephone number and current address of said person.

(e) It shall be the responsibility of both the alarm user and the owner of the premises where the alarm system is located to notify the Village within ten (10) days of a change of telephone number or address. (Ord. No. 2183, § 1; Ord. No. 2681, § 2)

Section 9. That all ordinances or parts of ordinances in conflict with the provisions of this ordinance are hereby repealed.

Section 10. That this ordinance shall be in full force and effect from and after its passage and publication in the manner provided by law.

Mayor

Passed:
Published:
Attest: _____
Village Clerk

2009 Energy Conservation Code

ORDINANCE NO. _____

**AN ORDINANCE ADOPTING THE 2009 ENERGY CONSERVATION CODE
AND AMENDMENTS THERETO**

BE IT ORDAINED by the Village Council of the Village of Downers Grove in DuPage County, Illinois, as follows: (Additions are indicated by ~~shading~~/underline; deletions by ~~strikeout~~):

Section 1. Section 7.47. is hereby renumbered to be Section 7.1501.

7.47. 2009 International Energy Conservation Code - Adopted.

The International Code Council Energy Conservation Code, as promulgated by the International Code Council ("ICC"), being particularly the ~~2000~~2009 edition thereof, is hereby adopted for the purpose of establishing rules and regulations for the construction, alteration, removal, demolition, equipment, use and occupancy, location and maintenance of buildings and structures, including permits and penalties required for such purposes. The same is adopted in its entirety, save and except such portions as are hereinafter deleted, modified or amended, and is, together with such amendments, incorporated as fully as if set out at length herein, and shall control in the construction of all buildings and structures therein regulated within the Village. Said Energy Conservation Code, as modified and amended, may be referred to for all purposes as the "Downers Grove Energy Conservation Code" or the "Energy Conservation Code". At least one copy of said Code, including such amendments to it as shall be enacted, shall be filed in the office of the Village Clerk, and additional copies shall be available in the Community Development Department of the Village.

Section 2. Section 7.48. is hereby repealed in its entirety

7.48. Definitions.

~~For the purposes of the Energy Conservation Code, the following words and phrases shall have the meanings respectively ascribed to them by this Article:~~

~~_____ *Code official.* The Director of Community Development of the Village.~~

Section 3. Section 7.49. is hereby renumbered to be Section 7.1502.

7.49. International Energy Conservation Code - Amendments.

The deletions from and modifications and amendments to the International Energy Conservation Code as referred in ~~Section 7.47~~this Article are the following:

~~(1)Section 101.1 is amended by deleting the same in its entirety; and substituting in lieu thereof the following:~~

~~**101.1 Title.** This code shall be known as the International Energy Conservation Code of the Village of Downers Grove, and shall be cited as such. It is referred to herein as "this code."~~

Section 101.4.3 is amended by deleting Exception #3.

~~(2) _____ Section 101.3.1 is amended by adding the following:~~

~~_____ "Detached one and two family dwellings and multiple single family dwellings (townhouses) not more than three stories high with separate means of egress and their accessory structures shall comply with the International Residential Code."~~

2009 Energy Conservation Code

(3) ~~Section 101.4.2.2 is amended by adding the following section:
 "Commercial additions over 250 square feet shall comply with the ComCheck process."~~

Section 103.1 is amended by deleting the phrase "one or more sets" and substituting in lieu thereof the following:

~~"two ore more sets"~~

Section 103.3.1 is amended by deleting the same in its entirety and addressed in Chapter 7, Article IV of the Downers Grove Municipal Code.

Section 103.3.2 is amended by deleting the same in its entirety and addressed in Chapter 7, Article IV of the Downers Grove Municipal Code.

Section 107 is amended by deleting the same in its entirety and addressed in Chapter 7, Article VIII of the Downers Grove Municipal Code.

Section 108.4 is amended by deleting the same in its entirety and addressed in Chapter 7, Article V of the Downers Grove Municipal Code.

Section 109 is amended by deleting the same in its entirety and addressed in Chapter 7, Article IX of the Downers Grove Municipal Code.

(4) ~~Section 104.2 is amended by adding the following:
 "All new commercial building documents shall include a ComCheck evaluation and inspection list signed and sealed by the architect of record. The ComCheck and sealed drawings shall show the same information."~~

(5) ~~Section 201.3 is amended by deleting the words "ICC Electrical Code" and "International Plumbing Code" and substituting in lieu thereof the following:~~

~~2002 National Electrical Code, Illinois State Plumbing Code~~

Section 201.3 is amended by deleting the same in its entirety and substituting in lieu thereof the following:

201.3 Terms defined in other codes. Terms that are not defined in this code but are defined in the International Building Code, the National Electrical Code, International Fire Code, International Fuel Gas Code, International Mechanical Code, State of Illinois Plumbing Code, or the International Residential Code shall have the meanings ascribed to them in those codes.

(6) ~~Table 302.1 is amended by adding the following:~~

CONDITION	VALUE
Winter{a}, Design Dry bulb (°F)	0 degrees (F)
Summer{a}, Design Dry bulb (°F)	91 degrees (F)
Summer{a}, Design Wet bulb (°F)	75 degrees (F)
Degree days heating {b}	6,155

2009 Energy Conservation Code

Degree days cooling {b}	870
Climate zone {c}	13B

Section 301.2 though **Section 301.3** are deleted in their entirety.

Table 301.3(1) is deleted in its entirety.

Section 402.1.1 is amended by deleting the same in its entirety and substituting in lieu thereof the following:

402.1.1 Installation and fenestration criteria. The building thermal envelope shall meet the requirements of Table 402.1.1 based on the climate zone specified in Chapter 3. The Village of Downers Grove is located in climate zone no. 5.

Section 402.2.9 is amended by deleting the same in its entirety and substituting in lieu thereof the following:

402.2.9 Crawl space walls. As an alternative to insulating floors over crawl spaces, crawl space walls shall be permitted to be insulated when the crawl space is not vented to the outside. Crawl space wall insulation shall be permanently fastened to the wall and extend downward from the floor to the finished grade level and then vertically and/or horizontally for at least an additional twenty-four (24) inches. Exposed earth shall not be permitted in crawl spaces. A minimum of a two (2) inch concrete slush coat on a vapor barrier on a minimum of four (4) inches of gravel shall be required.

Section 403.2.3 is amended by deleting the same in its entirety and substituting in lieu thereof the following:

403.2.3 Building cavities. Building framing cavities shall not be used as supply ducts or return ducts serving habitable spaces.

Section 405.6.3 is amended by deleting the same in its entirety and substituting in lieu thereof the following:

405.6.3 Input values. When calculations require input values not specified by Sections 402, 403, and 404, those input values shall be taken from a source approved by the code official.

Section 4. That all ordinances or parts of ordinances in conflict with the provisions of this ordinance are hereby repealed.

Section 5. That this ordinance shall be in full force and effect from and after its passage and publication in the manner provided by law.

Mayor

Passed:
Published:
Attest: _____
Village Clerk

ORDINANCE NO. _____

**AN ORDINANCE ADOPTING THE 2006 INTERNATIONAL FUEL GAS CODE
AND AMENDMENTS THERETO**

BE IT ORDAINED by the Village Council of the Village of Downers Grove in DuPage County, Illinois, as follows: (Additions are indicated by shading/underline; deletions by ~~strikeout~~):

Section 1. Section 7.50. is hereby renumbered to be Section 7.1601.

7.50. 2006 International Fuel Gas Code - Adopted.

The International Code Council Fuel Gas Code, as promulgated by the International Code Council ("ICC"), being particularly the ~~2000~~2006 edition thereof, is hereby adopted for the purpose of establishing rules and regulations for the construction, alteration, removal, demolition, equipment, use and occupancy, location and maintenance of buildings and structures, including permits and penalties required for such purposes. The same is adopted in its entirety, save and except such portions as are hereinafter deleted, modified or amended, and is, together with such amendments, incorporated as fully as if set out at length herein, and shall control in the construction of all buildings and structures therein regulated within the Village. Said Fuel Gas Code, as modified and amended, may be referred to for all purposes as the "Downers Grove Fuel Gas Code" or the "Fuel Gas Code". At least one copy of said Code, including such amendments to it as shall be enacted, shall be filed in the office of the Village Clerk, and additional copies shall be available in the Community Development Department of the Village.

Section 2. Section 7.51. is hereby repealed in its entirety

7.51. Definitions.

~~For the purposes of the Fuel Gas Code, the following words and phrases shall have the meanings respectively ascribed to them by this Article:~~

~~_____ *Code official.* The Director of Community Development of the Village. _____~~

Section 3. Section 7.52. is hereby renumbered to be Section 7.1602.

7.52. International Fuel Gas Code - Amendments.

The deletions from and modifications and amendments to the International Fuel Gas Code as referred in Section 7-50 are the following:

~~(1) Section 101.1 is amended by deleting the same in its entirety;~~ and replacing in lieu thereof the following:

101.1 Title. These regulations shall be known as the Fuel Gas Code of the Village of Downers Grove, hereinafter referred to as "this code".

Section 102.5 is amended by deleting the same in its entirety.

Section 102.6 is amended by deleting the same in its entirety.

Section 102.7 is amended by deleting the same in its entirety.

2006 Fuel Gas Code

Section 103 is amended by deleting the same in its entirety and are addressed in Chapter 7, Article I of the Downers Grove Municipal Code.

Section 104 is amended by deleting the same in its entirety and addressed in Chapter 7, Article II of the Downers Grove Municipal Code.

Section 106 with the Exception of Section 106.2 is amended by deleting the same in its entirety and addressed in Chapter 7, Article III of the Downers Grove Municipal Code.

Section 108 with the Exception of Section 108.7 is amended by deleting the same in its entirety and addressed in Chapter 7, Article X of the Downers Grove Municipal Code.

Section 109 is amended by deleting the same in its entirety and are addressed in Chapter 7, Article IX of the Downers Grove Municipal Code.

~~(2) Section 103.1 is amended by deleting the same in its entirety.~~

~~(3) Section 103.2 is amended by deleting the same in its entirety.~~

~~(4) Section 103.3 is amended by deleting the same in its entirety.~~

~~(5) Section 106.3.1 is amended by adding the following section:
"Construction documents shall be stamped by an Illinois registered Architect or Mechanical Engineer."~~

~~(6) Section 106.5 is amended by deleting the same in its entirety and replacing in lieu thereof the following:
"A permit shall not be issued until all fees, if any, are paid."~~

~~(7) Section 106.5.2 is amended by deleting the same in its entirety.~~

~~(8) Section 106.5.3 is amended by deleting the same in its entirety and submitting in lieu thereof the following:
The code official shall authorize the refunding of fees as follows:
a. The full amount of any fees erroneously paid or collected hereunder, except that review fees and twenty five percent (25%) of the administrative fee will not be refunded.
b. Not more than fifty percent (50%) of the permit fee will be refunded in the event that work has not commenced within sixty (60) days of issuance of the permit.
c. There shall be no refund of any fees if the issuance date of the permit is sixty one (61) days old or if any work pertaining to the permit has started.~~

~~(9) Section 108.4 is amended by adding the following:
"an offense punishable pursuant to Section 1-15 of the Downers Grove Municipal Code" and by deleting the following: "or by imprisonment not exceeding [NUMBER OF DAYS], or both such fines and imprisonment."~~

~~(10) Section 108.5 is amended by adding the following:
"Guilty of an offense punishable pursuant to Section 1-15 of the Downers Grove Municipal Code."~~

2006 Fuel Gas Code

(11) ~~Section 109 is amended by deleting the same in its entirety and substituting in lieu thereof the following:~~

~~"All appeals concerning the interpretation of the Fuel Gas Code shall be heard by the Board of Appeals pursuant to Section 7.9 of the Downers Grove Municipal Code."~~

(12) ~~Section 201.3 is amended by deleting the words "ICC Electrical Code" and "International Plumbing Code" same in its entirety and substituting in lieu thereof the following:~~

~~2002 National Electrical Code, Illinois State Plumbing Code~~ **201.3 Terms defined in other codes.** Where terms are not defined in this code and are defined in the National Electrical Code, International Building Code, International Fire Code, International Mechanical Code, or the State of Illinois Plumbing Code, such terms shall have meanings ascribed to them as in those codes.

Section 301.6 is amended by deleting the words "International Plumbing Code" and substituting in lieu thereof the following:

"State of Illinois Plumbing Code as adopted and amended by the Village"

Section 301.11 is amended by deleting the exception.

Section 303.3 is amended by deleting condition #5.

Section 303.7 is amended by deleting the same in its entirety.

Section 305.9 is hereby added as follows:

305.9 Parking Structures. Appliances installed in enclosed, basement and underground parking structures shall be installed in accordance with NFPA 88A.

Section 305.10 is hereby added as follows:

305.10 Repair garages. Appliances installed in repair garages shall be installed in a detached building or room, separated from repair areas by walls or partitions, floors or floor ceiling assemblies that are constructed so as to prohibit the transmission of vapors and having a fire resistance rating of not less than 1 hour, and that have no openings in the wall separating the repair area within 8 feet of the floor. Wall penetrations shall be firestopped. Air for combustion purposes shall be obtained from the outdoors. The appliance room shall not be used for the storage of combustible materials.

Exceptions:

1. Overhead heaters where installed not less than eight (8) feet above the floor shall be permitted.
2. Heating appliances for vehicle repair areas where there is no dispensing or transferring of Class 1 or 2 flammable or combustible liquids or liquefied petroleum gas shall be installed in accordance with NFPA 30A.

(13) **Section 306.3.1** is amended by deleting the words "ICC Electrical Code" and substituting in lieu thereof the following:

2002 "National Electrical Code as adopted and amended by the Village"

(14) **Section 306.4.1** is amended by deleting the words "ICC Electrical Code" and substituting in lieu thereof the following:

2002 "National Electrical Code as adopted and amended by the Village"

(15) ~~Section 306.5.2 is amended by deleting the words "ICC Electrical Code" and substituting in lieu thereof the following:~~

2006 Fuel Gas Code

~~2002 National Electrical Code~~

(16) ~~Section 309.2~~ is amended by deleting the words "ICC Electrical Code" and substituting in lieu thereof the following:

2002-~~"National Electrical Code~~ as adopted and amended by the Village"

(17) ~~Section 413.89.2.4~~ is amended by deleting the words "ICC Electrical Code" and substituting in lieu thereof the following:

2002-~~"National Electrical Code~~ as adopted and amended by the Village"

(18) ~~Section 623.1.1~~ is amended by deleting the words "International Plumbing Code" and substituting in lieu thereof the following:

~~Illinois State Plumbing Code~~

Section 504.2.9 is amended by deleting the exception.

Section 504.3.20 is amended by deleting the exception.

(19) ~~Section 623.2624.1.1~~ is amended by deleting the words "International Plumbing Code" and substituting in lieu thereof the following:

~~Illinois~~-~~"State of Illinois~~ Plumbing Code as adopted and amended by the Village"

(20) **Referenced Standards** are amended by deleting the words "International Plumbing Code" and "ICC Electrical Code" and substituting in lieu thereof the following:

~~Illinois~~-~~State of Illinois~~ Plumbing Code as adopted an amended by the Village, 2002-National Electrical Code, as adopted and amended by the Village

Section 4. That all ordinances or parts of ordinances in conflict with the provisions of this ordinance are hereby repealed.

Section 5. That this ordinance shall be in full force and effect from and after its passage and publication in the manner provided by law.

Mayor

Passed:
Published:
Attest: _____
Village Clerk

ORDINANCE NO. _____

AN ORDINANCE ADOPTING THE 2006 INTERNATIONAL MECHANICAL CODE AND AMENDMENTS THERETO

BE IT ORDAINED by the Village Council of the Village of Downers Grove in DuPage County, Illinois, as follows: (Additions are indicated by ~~shading~~/underline; deletions by ~~strikeout~~):

Section 1. Section 7.53. is hereby renumbered to be Section 7.1701.

7.53. 2006 International Mechanical Code - Adoption.

The International Code Council ~~2000~~2006 International Mechanical Code, as promulgated by the International Code Council ("ICC"), being particularly the ~~2000~~2006 edition thereof, is hereby adopted for the purpose of establishing rules and regulations for the construction, alteration, removal, demolition, equipment, use and occupancy, location and maintenance of buildings and structures, including permits and penalties required for such purposes. The same is adopted in its entirety, save and except such portions as are hereinafter deleted, modified or amended, and is, together with such amendments, incorporated as fully as if set out at length herein, and shall control in the construction of all buildings and structures therein regulated within the Village. Said International Mechanical Code, as modified and amended, may be referred to for all purposes as the "Downers Grove International Mechanical Code" or the "Mechanical Code." At least one copy of said Code, including such amendments to it as shall be enacted, shall be filed in the office of the Village Clerk, and additional copies shall be available in the Community Development Department of the Village.

Section 2. Section 7.54. is hereby repealed in its entirety

7.54. Definitions.

~~For the purposes of the Mechanical Code, the following words and phrases shall have the meanings respectively ascribed to them by this Article:~~

~~_____ *Code official.* The Director of Community Development of the Village.~~

Section 3. Section 7.55. is hereby renumbered to be Section 7.1702.

7.55. International Mechanical Code - Amendments.

The deletions from and modifications and amendments to the International Mechanical Code as referred in ~~Section 7-53~~this Article are the following:

~~(1) Section 101.1~~ is amended by deleting the same in its entirety and substituting in lieu thereof the following:

101.1 Title. These regulations shall be known as the Mechanical Code of the Village of Downers Grove, hereinafter referred to as "this code."

Section 101.2 is amended by adding the following at the end of the first paragraph:

"The installation of fuel gas distribution piping and equipment, fuel gas-fired appliances and fuel gas-fired appliance venting systems shall be regulated by the International Fuel Gas Code and this code"

Section 101.2 is further amended to add the following exception"

2006 Mechanical Code

Detached one- and two-family dwellings and multiple single-family dwellings (townhouses) not more than three stories high with separate means of egress and their accessory structures shall also comply with Chapters 12 through 23 of the International Residential Code.

Section 102.5 is amended by deleting the same in its entirety.

Section 102.6 is amended by deleting the same in its entirety.

Section 102.7 is amended by deleting the same in its entirety.

Section 103 is amended by deleting the same in its entirety and are addressed in Chapter 7, Article I of the Downers Grove Municipal Code.

Section 104 is amended by deleting the same in its entirety and addressed in Chapter 7, Article II of the Downers Grove Municipal Code.

Section 106 with the Exception of Section 106.2 is amended by deleting the same in its entirety and addressed in Chapter 7, Article III of the Downers Grove Municipal Code.

Section 108 with the Exception of Section 108.7 is amended by deleting the same in its entirety and addressed in Chapter 7, Article X of the Downers Grove Municipal Code.

Section 109 is amended by deleting the same in its entirety and are addressed in Chapter 7, Article IX of the Downers Grove Municipal Code.

~~(2) Sections 103.1, 103.2 and 103.3 are amended by deleting the same in their entirety.~~

~~(3) Section 106.5.3 is amended by deleting the same in its entirety and substituting in lieu thereof the following:~~

~~_____ The code official shall authorize the refunding of fees as follows:~~

~~_____ a. The full amount of any fees erroneously paid or collected hereunder, except that review fees and twenty five percent (25%) of the administrative fee will not be refunded.~~

~~_____ b. Not more than fifty percent (50%) of the permit fee will be refunded in the event that work has not commenced within sixty (60) days of issuance of the permit.~~

~~_____ c. There shall be no refund of any fees if the issuance date of the permit is sixty one (61) days old or if any work pertaining to the permit has started.~~

~~(4) Section 109 is amended by deleting the same in its entirety and substituting in lieu thereof the following:~~

~~_____ "All appeals concerning the interpretation of the Mechanical Code shall be heard by the Board of Appeals pursuant to Section 7 9(h) of the Downers Grove Municipal Code."~~

~~(5) **Section 201.3** is amended by deleting the same in its entirety words "ICC Electrical Code" and "International Plumbing Code" and substituting in lieu thereof the following:~~

~~2002 National Electrical Code and Illinois State Plumbing Code~~

201.3 Terms defined in other codes. Where terms are not defined in this code and are defined in the International Building Code, National Electrical Code, International Fire Code, International Fuel Gas Code or the State of Illinois Plumbing Code such terms shall have meanings ascribed to them as in those codes.

Section 202 is amended by adding the following definitions:

Combination Fire/Smoke Damper. A listed device installed in ducts and air transfer openings designed to close automatically upon the detection of heat and resist the passage of flame and smoke. The device is installed to operate automatically and be controlled by a smoke detection system.

Fire Damper. A listed device installed in ducts and air transfer openings designed to close automatically upon detection of heat and to restrict the passage of flame. Fire dampers are classified for use in either static systems that will automatically shut down in the event of a fire, or in dynamic systems that continue to operate during a fire. A dynamic fire damper is tested and rated for closure under an elevated temperature air flow.

Make Up Air. The amount or percentage of fresh air delivered or mixed with recirculating air on a normal cycle of air by volume.

Occupiable Space. An enclosed space intended for human activities, excluding those spaces intended primarily for other purposes, such as storage rooms and equipment rooms, that are only intended to be occupied occasionally and for short periods of time.

Section 202 is further amended by amending the following definition:

Smoke Damper. A listed device that is designed to resist the passage of air and smoke. The device is arranged to operate automatically, controlled by a smoke detection system, and when required, is capable of being positioned from a remote command station.

Section 301.3 is amended by adding the following at the end of the paragraph:

"and the applicable provisions of this code."

~~(6)~~ **Section 301.7** is amended by deleting the words "ICC Electrical Code" and substituting in lieu thereof the following:

~~2002~~ "National Electrical Code as adopted and amended by the Village"

~~(7)~~ **Section 301.8** is amended by deleting the words "International Plumbing Code" and substituting in lieu thereof the following:

~~Illinois~~ "State of Illinois Plumbing Code as adopted and amended by the Village"

Section 301.13 is amended by deleting the exception.

Section 301.13.1 is deleted in its entirety.

~~(8)~~ **Section 306.3.1** is amended by deleting the words "ICC Electrical Code" and substituting in lieu thereof the following:

~~2002~~ "National Electrical Code as adopted and amended by the Village"

~~(9)~~ **Section 306.4.1** is amended by deleting the words "ICC Electrical Code" and substituting in lieu thereof the following:

~~2002~~ "National Electrical Code as adopted and amended by the Village"

Section 306.5.2 is amended by deleting the words "ICC Electrical Code" and substituting in lieu thereof the following:

"National Electrical Code as adopted and amended by the Village"

Section 308.8 is amended by adding the following at the end of the paragraph:

"and the International Residential Code."

2006 Mechanical Code

Section 308.10 is amended adding the following at the end of the paragraph:

"and the International Residential Code."

Section 511.1.1 is amended by deleting the words "ICC Electrical Code" in the exceptions and substituting in lieu thereof the following:

"National Electrical Code as adopted and amended by the Village"

(10) **Section 512.2** is amended by deleting the words "International Plumbing Code" and substituting in lieu thereof the following:

Illinois" State of Illinois Plumbing Code as adopted and amended by the Village"

(11) **Section 513.11** is amended by deleting the words "ICC Electrical Code" and substituting in lieu thereof the following:

2002" National Electrical Code as adopted and amended by the Village"

(12) **Section 513.12.1** is amended by deleting the words "ICC Electrical Code" and substituting in lieu thereof the following:

2002" National Electrical Code as adopted and amended by the Village"

(13) **Section 602.2.1.1** is amended by deleting the words "ICC Electrical Code" and substituting in lieu thereof the following:

2002" National Electrical Code as adopted and amended by the Village"

Section 602.3 is amended by deleting the same in its entirety and substituting in lieu thereof the following:

602.3 Stud cavity and joist space plenums. Stud wall cavities and the spaces between solid floor joists shall not be utilized for supply or return air plenums serving habitable spaces.

Section 603.4.1 is hereby added as follows:

603.4.1 Minimum fasteners. Round metallic ducts shall be mechanically fastened by means of at least three sheet metal screws or rivets spaced equally around the joint.

Section 607.1.1.1 is hereby added as follows:

607.1.1.1 Ducts that penetrate non fire-resistance rated assemblies. The space around a duct penetrating a non fire-resistance rated assembly shall comply with Section 716.6.3 of the International Building Code.

Section 607.5.6 is hereby added as follows:

607.5.6 Exterior walls. Ducts and air transfer openings in fire-resistance rated exterior walls required to have protected openings in accordance with Section 704.14 of the International Building Code shall be protected with listed fire dampers installed in accordance with their listing.

(14) **Section 908.5** is amended by deleting the words "International Plumbing Code" and substituting in lieu thereof the following:

Illinois" State of Illinois Plumbing Code as adopted and amended by the Village"

(15) **Section 1002.1** is amended by deleting the words "International Plumbing Code" and substituting in lieu thereof the following:

Illinois" State of Illinois Plumbing Code as adopted and amended by the Village"

2006 Mechanical Code

~~(16)~~ **Section 1002.2** is amended by deleting the words "International Plumbing Code" and substituting in lieu thereof the following:

~~Illinois~~ "State of Illinois Plumbing Code as adopted and amended by the Village"

~~(17)~~ **Section 1002.3** is amended by deleting the words "International Plumbing Code" and substituting in lieu thereof the following:

~~Illinois~~ "State of Illinois Plumbing Code as adopted and amended by the Village"

Section 1005.2 is amended by deleting the words "International Plumbing Code" and substituting in lieu thereof the following:

"State of Illinois Plumbing Code as adopted and amended by the Village"

Section 1006.6 is amended by deleting the words "International Plumbing Code" and substituting in lieu thereof the following:

"State of Illinois Plumbing Code as adopted and amended by the Village"

~~(18)~~ **Section 1008.2** is amended by deleting the words "International Plumbing Code" and substituting in lieu thereof the following:

~~Illinois~~ "State of Illinois Plumbing Code as adopted and amended by the Village"

~~(19)~~ **Section 1009.3** is amended by deleting the words "International Plumbing Code" and substituting in lieu thereof the following:

~~Illinois~~ "State of Illinois Plumbing Code as adopted and amended by the Village"

~~(20)~~ **Section 1101.4** is amended by deleting the words "International Plumbing Code" and substituting in lieu thereof the following:

~~Illinois~~ "State of Illinois Plumbing Code as adopted and amended by the Village"

Section 1106.3 is amended by deleting the words "ICC Electrical Code" and substituting in lieu thereof the following:

"National Electrical Code as adopted and amended by the Village"

Section 1106.4 is amended by deleting the words "ICC Electrical Code" and substituting in lieu thereof the following:

"National Electrical Code as adopted and amended by the Village"

~~(21)~~ ~~Subs~~**Section 1201.1** is amended by deleting the words "International Plumbing Code" and substituting in lieu thereof the following:

~~Illinois~~ "State Plumbing Code as adopted and amended by the Village"

Section 1204.1 is amended by deleting the exception.

Section 1206.2 is amended by deleting the words "International Plumbing Code" and substituting in lieu thereof the following:

"State of Illinois Plumbing Code as adopted and amended by the Village"

Section 1206.3 is amended by deleting the words "International Plumbing Code" and substituting in lieu thereof the following:

"State of Illinois Plumbing Code as adopted and amended by the Village"

2006 Mechanical Code

Section 1301.6 is hereby added as follows:

1301.6 State of Illinois Regulations. All tank installations and removals shall also comply with the applicable regulations of the Office of the State Fire Marshall.

Section 1305.2.1 shall be deleted in its entirety and substituting in lieu thereof the following:

1305.2.1 Flood hazard. All fuel oil pipe, equipment and appliances located in flood hazard areas shall be located above the design flood elevation.

Section 1401.2 is amended by deleting the words "International Plumbing Code" and substituting in lieu thereof the following:

"State of Illinois Plumbing Code as adopted and amended by the Village"

~~(22) Referenced Standards are amended by deleting the words "International Plumbing Code" and substituting in lieu thereof the following:~~

~~Illinois State Plumbing Code~~

Section 4. That all ordinances or parts of ordinances in conflict with the provisions of this ordinance are hereby repealed.

Section 5. That this ordinance shall be in full force and effect from and after its passage and publication in the manner provided by law.

Mayor

Passed:

Published:

Attest: _____
Village Clerk

ORDINANCE NO. _____

**AN ORDINANCE ADOPTING THE 2008 NATIONAL ELECTRICAL CODE
AND AMENDMENTS THERETO**

BE IT ORDAINED by the Village Council of the Village of Downers Grove in DuPage County, Illinois, as follows: (Additions are indicated by ~~shading~~/underline; deletions by ~~strikeout~~):

Section 1. Section 10.1ART. is hereby renumbered to be Section 10.100.ART.

10.1ART. Article I. GENERAL

NOTE: For state law as to authority of municipality to regulate the installation, alteration and use of electrical equipment, see Ill. Comp. Stat., ch. 65, § 5/11-37-2.

Section 2. Section 10.1SEC. is hereby repealed in its entirety

10.1SEC. Definitions.

~~For the purpose of this Chapter, the following words and phrases shall have the meanings respectively ascribed to them by this section:~~

~~*Electrical equipment.** Conductors and equipment installed for the utilization of electricity supplied for light, heat or power, but does not include radio apparatus or equipment for the wireless reception of sounds and signals except as provided for in Section 10-30, and does not include apparatus, conductors and other equipment installed for or by public utilities, including common carriers which are under the jurisdiction of the state commerce commission, for use in their operation as public utilities.~~

~~*Luminaires.* Any energy consuming electrical unit which is made a permanent and integral part of the electrical lighting and power system. Electric motors of one half horsepower and less and generators and transformers of one half kilo volt ampere and less are to be considered as Luminaires. Clusters and drops shall each be counted as one Luminaire.~~

~~*Motors, generators, transformers.* All motors rated at more than one half horsepower and all generators and transformers rated at more than one half kilo volt ampere.~~

~~*Outlet.* A point in the wiring system at which energy is taken to supply fixtures, receptacles, appliances, motors not larger than one half horsepower, generators and transformers not larger than one half kilo volt ampere and energy consuming equipment generally; also switches for the control of other outlets.~~

~~*Room.* All habitable rooms, including bath and powder rooms, basements, utility rooms, attics, garages and accessory buildings in which outlets are installed.~~

~~(Ord. No. 662, § 1; Ord. No. 1778, § 4; Ord. No. 2876, § 5.)~~

* For similar state law, see Ill. Comp. Stat., ch. 65, § 5/11-37-1.

Section 3. Section 10.2. is hereby renumbered to be Section 10.101.

10.2. Compliance with Chapter required.

Upon the adoption by ordinance of standards and specifications, rules and regulations and fees for the installation, alteration and use of electrical equipment, the same shall become operative, and thereafter no electrical equipment shall be installed or altered except upon a permit approved by the Director of Community Development or the electrical inspector. The Director of Community Development or the electrical inspector shall approve permits for such installation and alterations of electrical equipment in all cases where application shall have been made in accordance with the rules and regulations established. The

Director of Community Development or the electrical inspector shall inspect all such electrical equipment installed or altered, and shall require that it conform to the standards and specifications applicable thereto which have been recommended and adopted as provided in this Chapter. These requirements specify minimum acceptable electrical equipment and wiring methods. Other equipment and methods not specified may be approved for use by the electrical inspector in writing. (Ord. No. 662, § 7; Ord. No. 2876, § 5.)

Section 4. Section 10.5. is hereby renumbered to be Section 10.102.

10.5. Changes in existing wiring.

It shall be unlawful for any person in any way to cut, disturb, alter or change any electrical wiring or to permit such electrical wiring to be cut, disturbed, altered or changed unless done in conformity with the provisions of this Chapter. Where a building is undergoing remodeling, any changes to be made in the electrical installation shall first have the approval of the Director of Community Development or the electrical inspector before work is commenced. (Ord. No. 662, § 17; Ord. No. 2876, § 5.)

Section 5. Section 10.7. is hereby renumbered to be Section 10.103.

10.7. Village not liable for electrical work.

This Chapter shall not be construed to relieve from or lessen the responsibility of any person owning, operating or installing any electrical wires, appliances, apparatus, construction or equipment for damages to any one injured by any defect therein by reason of the inspections authorized herein or the certificate of inspection issued by the Director of Community Development, electrical inspector or the Community Development Department; nor shall the Village be held liable for any damages resulting from the enforcement of the provisions of this Chapter. (Ord. No. 662, § 13; Ord. No. 2876, § 5.)

Section 6. That Section 10.200.ART. is hereby added to read as follows:

10.200.ART. Article II. CODE OFFICIAL

Section 7. Section 10.12. is hereby renumbered to be Section 10.201.

10.12. Electrical Inspector--Appointment;Conflicting outside interests.

The electrical inspector shall be appointed by the Village Manager. It shall be unlawful for the electrical inspector, except in the performance of his/her official duties, to engage in the business of the installation, alteration, maintenance or sale of electrical material, whether directly or indirectly, and he shall have no financial interest in any concern engaged in such business at any time while holding the office of electrical inspector.

Any violation of this section by the electrical inspector shall be sufficient cause for his/her removal from office. (Ord. No. 662, § 3.)

Section 8. Section 10.20. is hereby renumbered to be Section 10.202.

10.20. Right of entry of inspectors.

The electrical inspector shall have the right during reasonable hours to enter any building in the discharge of his/her official duties, or for the purpose of making any inspection or test of the installation or alteration of electrical equipment contained therein, or for the purpose of reinspecting present wiring installations to determine whether or not such wiring installations conform to the provisions of this Chapter, and shall have the authority to cause the turning off of all electrical currents and to cut or disconnect in cases

of emergency, any wire where such electrical currents are dangerous to life or property or may interfere with the work of the fire department. The provisions for inspection of work authorized by the permits issued in accordance with this Chapter shall not be construed as prohibiting the inspection of any electrical equipment installed whenever the electrical inspector shall determine that the public safety requires it. (Ord. No. 662, § 8.)

Section 9. Section 10.13. is hereby repealed in its entirety

10.13. Reserved.

~~—(Ord. No. 662, § 10.)~~

Section 10. Section 10.14. is hereby renumbered to be Section 10.202.

10.14. Impersonation of an inspector.

———No person who is not a lawful Village electrical inspector shall impersonate an electrical inspector of the Community Development Department. (Ord. No. 662, § 15; Ord. No. 2876, § 5.)

Section 11. That Section 7.300.ART. is hereby added to read as follows:

7.300.ART. Article III. PERMITS

Section 12. Section 10.3. is hereby renumbered to be Section 10.301.

10.3. Permit to install electrical equipment--Required prior to commencing work; persons eligible.

(a) No person shall install, alter or repair any electrical conduits, electrical wires, equipment or apparatus in any building or structure for which a permit is required until such permit shall have been secured.

(b) Persons who may perform work authorized by a permit issued pursuant to the provisions of this Chapter are the following:

(1) Electrical contractors and technicians who have satisfied the requirements of Sections 8-35 through 8-39 of the Municipal Code.

~~(2) A maintenance electrician who is employed to execute or supervise the maintenance and repair of an electric system and any apparatus that is connected to such system on the premises of the person employing such maintenance electrician.~~

~~———(3) A qualified home owner, provided that such permit shall be only for electrical work on residential premises owned and occupied by the home owner, and further provided that he/she has sufficient knowledge and technical training to perform the installation, alteration, repair and maintenance of electrical wiring and equipment authorized by the permit by passing a written test given by the Community Development Department with a minimum score of seventy percent correct. If the home is to be remodeled before the owner moves in, there must be proof that the applicant/owner will reside in the home for a period of not less than (6) months.—(Ord. No. 662, § 11; Ord. No. 2871, § 2.)~~

Section 13. Section 10.9. is hereby renumbered to be Section 10.302.

10.9. Suspension of permits.

The Director of Community Development or the electrical inspector may suspend any permit for work being executed contrary to the provisions of this Chapter, and may reinstate the suspended permit after the violations have been corrected or rectified. (Ord. No. 662, § 22; Ord. No. 2876, § 5.)

Section 14. Section 10.8. is hereby renumbered to be Section 10.302.

10.8. Payment of fees and issuance of permits generally.

All fees under this Chapter shall be paid to the collector of the Village, and all permits shall be issued by the Director of Community Development, by the electrical inspector or his/her duly authorized representative.

All permits shall be for a period of one (1) year, all extensions of permit time shall be calculated at twenty-five percent (25%) of the original total permit fee and shall extend the life of the permit for a six (6) month period.

No fees shall be refunded when a permit has lapsed after work is started. When a permit is revoked at the request of the applicant prior to lapsing due to time limits, and no work has been done, all but a basic fee to cover costs incurred by the building department and the plan review fee may be refunded. (Ord. No. 662, § 6; Ord. No. 2393, § 5; Ord. No. 2876, § 5.)

Section 15. That Section 7.400.ART. is hereby added to read as follows:

7.400.ART. Article IV. STOP WORK ORDER

Section 16. Section 10.4. is hereby renumbered to be Section 10.401.

10.4. Work to be stopped until issuance.

In case any work is begun on the installation of electrical conduits, raceways of the installation, alterations or repair of electrical wires or apparatus in any building or structure without a permit authorizing the same, the work shall be stopped until the necessary permit is issued and one hundred percent (100%) of a permit fee shall be added to the permit fee. (Ord. No. 662, § 11.)

Section 17. Section 10.6. is hereby repealed in its entirety

10.6. Wiring or equipment damaged by fire or flood.

~~It shall be unlawful to alter or repair any electrical wires or apparatus damaged directly or indirectly by fire or flood without first obtaining a permit for such work in accordance with the provisions of this Chapter. (Ord. No. 662, § 19.)~~

Section 18. Section 10.10. is hereby repealed in its entirety

10.10. Reserved.

~~(Ord. No. 662, § 3.)~~

Section 19. Section 10.11. is hereby repealed in its entirety

10.11. Reserved.

~~(Ord. No. 662, § 2.)~~

Section 20. Section 10.15. is hereby repealed in its entirety

10.15. Records.

~~_____The Community Development Department shall keep complete records of all permits issued and inspections made and other official work performed under the provisions of this Chapter. (Ord. No. 662, § 12; Ord. No. 2876, § 5.)~~

Section 21. Section 10.15ART. is hereby renumbered to be Section 10.500.ART.

10.15ART. Article V. INSPECTIONS

NOTE: For state law as to inspection of electrical equipment, see Ill. Comp. Stat. ch 65, §§ 5/11-37-1 to 5/11-37-4.

Section 22. Section 10.16. is hereby renumbered to be Section 10.501.

10.16. Certificates of inspection--Required; contents.

Upon the completion of the wiring or the electrical installation in or on any building or structure, it shall be the duty of the person doing the work to request an inspection by the Community Development Department. If such wiring or electrical installation conforms to the requirements of this Chapter, a written certificate of satisfactory inspection shall be issued. One copy of the certificate shall be delivered to the person which is to furnish electrical service, and one copy shall be retained in the Village files. The certificate of inspection shall contain the date of such inspection, the location or address of the wiring or electrical installation by street number or lot number, the name of the person actually completing the work, and the name of the person for whom the wiring or electrical installation work was performed.

Each job for which a permit is issued shall be entitled to one rough inspection and one final inspection and each business or multiple family dwelling which is licensed by the Village of Downers Grove shall be entitled to one inspection and one re-inspection per license period. The fee for additional re-inspections made necessary due to failure to correct violations discovered during the initial inspections shall be fifty dollars (\$50.00) per re-inspection. (Ord. No. 662, § 9; Ord. No. 2876, § 5.)

Section 23. Section 10.17. is hereby renumbered to be Section 10.502.

10.17. Electrical Service Installations.

~~Same--Authorization for use of current on certain installations.~~

~~_____It shall be unlawful for any person to install electrical energy recording meters on any electrical equipment that has been installed or connect any electric distribution system or circuit to an electricity system prior to the issuance by the electrical inspector of a temporary current permit or a certificate of inspection authorizing the use of current on such installation.~~ It shall be unlawful for any person to install electrical energy recording meters on any electrical equipment that has been installed or connect any electric distribution system or circuit to an electrical system prior to the issuance by the Village of a report of inspection authorizing the use of current on such installation.

(Ord. No. 662, § 9.)

Section 24. Section 10.24.1. is hereby renumbered to be Section 10.505.

10.24.1. Public utility cables; high rise buildings.

(A) A public utility company shall be allowed to install a high voltage riser systems in a building over six hundred volts in high rise buildings, or any other building, provided the following requirements are met:

~~_____~~ (1) ~~Aluminum or copper cables shall be installed by a public utility company and only on the primary side of each transformer;~~

~~_____~~ (2) ~~Aluminum or copper cable shall be terminated with high pressure lugs;~~

~~(3) All transformers and cables shall be enclosed in a minimum two hour masonry enclosure with an appropriate fire door as required in Table 714.2 of the 2002 International Building Code. The cable in the enclosure does not need to be installed in a conduit system;~~

~~(4) A main shunt control panel shall be installed in the fire control room and shall contain an indicator light for power and HVAC, and a switch for each floor. The shunt trip panel shall be boxed in with a glass front and the box shall contain a locking mechanism. The front of the panel shall be constructed as shown in Diagram 1.~~

~~**Diagram #1**~~

Floor	Switch	Power	HVAC
10	0	0	0
9	0	0	0
8	0	0	0
7	0	0	0
6	0	0	0
5	0	0	0
4	0	0	0
3	0	0	0
2	0	0	0
1	0	0	0

~~Each switch on the main shunt control panel shall:~~

~~(a) Shut off all power on that floor and the power on the floor either directly above or directly below the floor in question; and~~

~~(b) Shut off the HVAC on that floor and the HVAC on two other floors; either two above, two below, or one floor above and one floor below the floor in question.~~

~~The indicator light for power and HVAC on the main floor will light up when the switch is activated. The lights for power and HVAC for any other floor affected will also light up as shown on Diagram 2. The emergency generator power system (for emergency and standby power and venting for smoke and building pressurization) shall not be connected to the shunt trip system.~~

~~**Diagram #2**~~

Floor	Switch	Power	HVAC
10	0	0	0
9	0	0	0
8	0	0	0
7	0	0	0
6	0	0	0
5	0	0	•
4	0	•	•
3	0	•	•
2	0	0	0
1	0	0	0

~~The switch has been activated for floor number 3. The lights go on for light and HVAC for floor #3. The lights for light and HVAC on floor #4 and the light for HVAC goes on for floor #5.~~

~~(5) There shall be a single 125V 15A receptacle at each landing runoff of the emergency generator. This receptacle shall be of a NEMA type L5-15 R.~~

~~(1) The utility company may install aluminum or copper cables up to and only on the primary side of each transformer. The cables must be terminated with high pressure lugs.~~

~~(2) All cables and transformers shall be enclosed in a minimum of a two hour rated masonry enclosure with rated openings.~~

~~(B) For high rise buildings, a main shunt control panel shall be installed in the fire control room. For each floor, the panel shall provide a shut off switch for all systems, and a separate switch with indicator light for the powers supply for all HVAC systems, and a separate switch with indicator light for all other electrical systems. The glass front panel shall contain a locking mechanism and a diagram on the glass indicating the floor level and switching arrangement. All circuiting and switching arrangements will be subject to review and approval by the code official for the specific building conditions.~~

(C) A 125V-15A receptacle shall be provided at each stairway landing of a high rise building. This receptacle shall be of a NEMA type L5-20-R and shall be connected to the emergency generator system. (Ord. No. 3403, § 5.)

Section 25. Section 10.18. is hereby renumbered to be Section 10.503.

10.18. Electrical System Activation.

Prerequisites to issuance.

~~— In no case shall the Community Development Department issue a certificate of inspection unless the electrical power or heating installations and all apparatus, wire or appurtenances thereto attached conform with the regulations of this Chapter; and electric current shall not be supplied to any such electrical installation by any person until such certificate of satisfactory inspection shall be issued and delivered to the person contemplated to furnish electrical current.~~ Upon approval by inspection of an electrical system installation, the Community Development Department shall provide a notice of approval. No electrical system shall be energized until the notice of approval has been issued. (Ord. No. 662, § 9; Ord. No. 2876, § 5.)

Section 26. Section 10.19. is hereby renumbered to be Section 10.504.

10.19. Notice of unsafe systems.

Seals.

~~— The electrical inspector, Director of Community Development or other electrical inspectors who may be designated are empowered to attach to electrical cabinets and equipment an official notice or seal to prevent use of electricity, and it shall be unlawful for any other person to attach such seal, or to break, change, destroy, tear, mutilate, cover or otherwise deface or injure any such official notice or seal posted by the Community Development Department.~~ The Director of Community Development or his designee are authorized to attach to electrical cabinets and equipment a notification indicating the system is deemed unsafe and shall not be energized prior to an approval being given by the Village. It shall be unlawful for any persons to damage, remove or destroy this notification or seal without consent from the Village. (Ord. No. 662, § 16; Ord. No. 2876, § 5).

Section 27. That Section 7.700.ART. is hereby added to read as follows:

7.700.ART. Article VII. FEES

Section 28. Section 10.21. is hereby renumbered to be Section 10.701.

10.21. Fees.

(a) Two inspections shall be made of electrical wiring in all new single-family and multi-family dwellings, or for any complete rewiring of any existing dwelling, one "roughing in" inspection and one final inspection before acceptance. If defective workmanship exists at the time of final inspection, a re-inspection fee of fifty dollars (\$50.00) shall be charged for each additional inspection. The fees to be charged for the two required inspections shall be fifty dollars (\$50.00).

(b) The fees to be charged for repair or remodeling work permits shall be eighty dollars (\$80.00).

(c) Permit fees shall be non-refundable once a permit has been issued.

(Ord. No. 1778, § 2; Ord. No. 3336, § 4; Ord. No. 3378, § 3.)

Section 29. Section 10.21ART. is hereby repealed in its entirety

10.21ART. Article III. Standards and Specifications

Section 30. That Section 7.800.ART. is hereby added to read as follows:

7.800.ART. Article VIII. APPEALS

Section 31. That Section 7.801. is hereby added to read as follows:

7.801. Building Board of Appeals.

See Chapter 7, Article IX of the Downers Grove Municipal Code.

Section 32. That Section 7.900.ART. is hereby added to read as follows:

7.900.ART. Article IX. NATIONAL ELECTRIC CODE

Section 33. Section 10.22. is hereby renumbered to be Section 10.901.

10.22. 2008 National Electrical Code - Adopted.

There is hereby adopted, for the purpose of establishing rules and regulations to govern any electrical system or equipment or method of installation thereof not specifically covered by this Chapter that certain Electrical Code known as the National Electrical Code recommended by the National Fire Protection Association, being particularly the ~~2002~~2008 edition thereof in its entirety, save and except such portions as are hereinafter deleted, modified or amended, and the same is hereby adopted and incorporated as fully as if set out at length herein. All references to the National Electrical Code in other sections in this Chapter shall mean the edition referred to in this section. At least one copy of said Code, including such amendments to it as shall be enacted, shall be filed in the office of the Village Clerk, and additional copies shall be available in the Community Development Department of the Village. (Ord. No. 662, § 33; Ord. No. 1778, §§ 1, 3; Ord. No. 2178, § 1; Ord. No. 2876, §§ 2, 5; Ord. No. 3403, § 2.)

NOTE: For state law as to adoption of codes by reference, see Ill. Comp. Stat., ch. 65, § 5/1-3-2.

Section 34. That Section 10.902. is hereby added to read as follows:

10.902. Definitions.

See Article 100 Definitions of the 2008 Electrical Code.

Section 35. Section 10.23. is hereby renumbered to be Section 10.903.

10.23. National Electrical Code - Amendments.

The 2008 National Electrical Code is amended by deleting therefrom the following provisions in their entirety as follows:

(b) ~~Section 110-26(e)~~ is amended by adding the following exception replacing the words "less than 2.0 (6 1/2 feet) in the Exception with the following:

2008 Electrical Code

~~"is not less than five (5) feet." "but not less than 5 feet from the bottom of the joist to the top of the concrete floor."~~

~~(e) Section 110.26(f)(1)(a) and (b) is amended by deleting the same in its entirety and substituting in lieu thereof the following:~~

~~Section 110.26(f)(1) Dedicated Electrical Space;~~

~~The space equal to the width and depth of the equipment and extending from the floor to the next structural ceiling or 25 feet which ever is lower, shall be dedicated to the electrical installation. No Foreign Systems shall be placed in the area above the dedicated electrical space. The distance above electrical equipment to the next structural floor shall not be less than 6 feet.~~

~~(d) Section 110.31 is amended by deleting the following language from the last two sentences of the second paragraph and by substituting in lieu thereof the following:~~

~~"and a 300 mm (1 ft.) or more extension utilizing three or more strands of barbed wire or equivalent. A fence shall not be less than seven (7) feet in height. The distance from the fence to live parts shall not be less than given in Table 110.31."~~

~~Section 210.70(A)(3) is amended by deleting the following phrase from the end of the first sentence:~~

~~"where these spaces are used for storage or containing equipment requiring servicing".~~

~~Section 210.70(A)(3) is further amended by deleting the last sentence in its entirety.~~

~~(e) Section 210.8(a)(1) & (5) is amended by deleting the same in its entirety.~~

~~Section 220.40 is amended by adding the following at the end of the section:~~

~~**220.40 General.**~~

~~(A) The minimum size service panel for a new single family residence or service upgrade shall be a 200 amp, 30 circuit panel.~~

~~(B) The minimum size service panel for any new or remodeled building other than single-family shall be a 100 amp, 20 circuit panel.~~

~~(f) Section 230.9(A) is amended by deleting the following language therefrom:~~

~~"that are designed to be open"~~

~~Section 230.31(B) is amended by deleting the same in its entirety and by substituting in lieu thereof the following:~~

~~**230.31(B) Minimum Size.** The conductors shall not be smaller than #3 AWG copper and shall be of type THW or THWN insulation.~~

~~Section 230.31 (B) shall be further amended to delete the exception.~~

~~Section 230.43 is amended by deleting the same in its entirety and by substituting in lieu thereof the following:~~

~~**230.43. Wiring methods for 600 volts, nominal, or less:** Service-entrance conductors shall be installed in accordance with the applicable requirements of this Code covering the type of wiring method used and shall be limited to the following methods:~~

~~(1) Rigid metal conduit~~

~~(2) Rigid nonmetallic conduit Schedule 80 outside of foundation walls~~

~~Section 230.70 is amended by adding the following:~~

~~**230.70 Service equipment disconnecting means:**~~

~~(D) No live service entrance conductor shall extend over five (5) feet within a building.~~

~~(E) Every residential unit shall be provided with a main breaker at the individual meter or the panel. Where there are multiple meters installed, a main breaker for the entire building shall be provided adjacent to the meters.~~

~~(g)~~ **Section 230-71** is amended by deleting the same in its entirety- and by substituting in lieu thereof the following:

230.71 Maximum Number of Disconnects.

General. In all applications, a single main disconnecting means shall be installed.

~~(h)~~ **Section 230-72(aA)** is amended by deleting the same in its entirety.

~~(i)~~ **Section 210-8(A)(4) & (5)** is amended by deleting the same in its entirety.

Section 240.80 is amended by adding Section (A) to the end of the paragraph:

240.80 Method of Operation.

(A) No tandem, piggy back or space saver circuit breakers shall be permitted.

Section 300.2 is amended by adding Section (C) to the end of the section:

300.2(C) Raceway Types. Rigid metal conduit (RMC), intermediate metal conduit (IMC) or rigid non-metallic conduit shall be used in all concrete and underground installations.

Section 314.3 is amended by deleting the same in its entirety.

Section 314.7 is amended by deleting (B) and (C) in their entirety.

~~(a)~~ **Articles 320, 322, 324, 326, 330, 332, 334, 336, 338, 340, 352, 354, 356,** are amended by deleting the same in their entirety.

Section 348.10 is amended by adding the following at the end of the sentence:

"in maximum lengths of six (6) feet. "

Section 350.10 is amended by adding the following section:

350.10 Uses Permitted.

(4) LFMC shall be permitted to be used in exposed and concealed location in maximum lengths of six (6) feet.

Section 360.10 is amended by adding the following section:

360.10 Uses Permitted.

(5) FMT shall be permitted to be used in exposed and concealed location in maximum lengths of six (6) feet.

Articles 362, 348, 372, 374, 382, 388, 394, 390, 396, 398, 545, 547, 550, 551, 552, 553, 555, 604 and 605 are amended by deleting the same in their entirety.

Section 408.36 is amended by deleting the last sentence of the first paragraph, Exception No. 1, 2 & 3 and by substituting in lieu thereof the following:

"This overcurrent protective device shall be located within three (3) feet and be readily accessible within sight."

Section 408.36 is further amended by deleting the exceptions.

Section 422.10 is amended by adding the following section:

422.10. Branch Circuit Rating.

(C) Each furnace, heat pump, water heater, air conditioning unit and similar equipment shall be

provided with dedicated branch circuits. A disconnecting means shall be provided on or immediately near the equipment.

Section 604.1.1 is added as follows:

604.1.1 Testing Agency Approvals. Assemblies that do not have a recognized testing agency listing and cannot be verified for approved product materials and installation methods shall not be permitted.

(Ord. No. 2178, § 2; Ord. No. 2876, §§ 2, 5; Ord. No. 3403, § 3.)

Section 36. Section 10.24. is hereby repealed in its entirety

10.24. Wiring.

~~Notwithstanding any provision in this Article, including the 1993 National Electrical Code to the contrary, wiring shall be installed in conformance with the following requirements where applicable.~~

~~(a) The wiring method employed in all electrical installations within or upon all buildings in the Village shall be rigid conduit, intermediate conduit, electrical metallic tubing, flexible metallic tubing, flexible metallic conduit, liquidtight flexible metal conduit, or other metallic raceway, including those approved for use in floors in accordance with the National Electrical Code. Flexible metal conduit shall be permitted only to finish walls and as fixture whips not to exceed six feet in length. Flexible metal conduit, flexible metallic tubing, and liquidtight flexible metal conduit not to exceed six feet in length shall be allowed for fixtures, motors, and other similar attachments. Where aluminum flexible metal conduit is used, an equipment bonding jumper shall be installed. Where used to connect equipment where flexibility is required, an equipment grounding conductor shall be installed. Where required or installed, equipment grounding conductors shall be installed in accordance with 250.134(B) of the National Electrical Code. Where required or installed, equipment bonding jumpers shall be installed in accordance with 250.102 of the National Electrical Code. Rigid nonmetallic conduit may be used for parking lot luminaries, exterior luminaries, in concrete slabs on grade only, in open parking structures where out of the way of physical danger, in wet locations, locations where chemicals can be harmful to steel conduit or where approved by the Chief Electrical Inspector. Only compression or screw type fittings shall be used on electrical metallic tubing, rigid conduit, flexible metal conduit, flexible metallic tubing, or intermediate metallic conduit. Rigid or intermediate metal conduit shall be used in all concrete slabs above grade. Rigid or intermediate metal or rigid nonmetallic conduit shall be used underground. Rigid, rigid nonmetallic, intermediate or aluminum conduit shall be used wherever exposed to weather. Armored cable and MC cable may be used in detached single family residential accessory structures. Type UF cable may be used between a residential structure and an accessory structure and it shall enter the structure and the accessory structure in rigid conduit. All wire or cable within any building in the Village shall be copper.~~

~~(b) Nonmetallic cable may be permitted for specific uses by the chief electrical inspector.~~

~~(c) All joints in wires, including those to which fixtures are attached, shall be made mechanically secure and soldered or an Underwriter's Laboratories, Inc. listed connector used, except that connectors employing hard types of insulation such as ceramic or bakelite without metal inserts shall not be permitted.~~

~~(d) No junction boxes, pull boxes, cabinets or ground clamps shall be permitted in any place, location or position so that access to the interior connections is prevented by any permanent object or structure such as pipes, ducts, walls, plaster, cabinets, plumbing fixtures, other electrical equipment or appliances.~~

~~(e) Single pole, three way and four way switches must in all cases be cut in the live or ungrounded side of the line.~~

~~(f) All neutral wires shall be insulated and identified by the color white or grey.~~

~~(g) All fuses and circuit breakers shall be part of approved service or panelboard assemblies or distribution cabinets which are totally enclosed in metal or shall be totally enclosed in metal or part of an approved device in which the fuse is inaccessible unless the device is removed from all source of electrical~~

energy.

~~— (h) Each appliance, except portable appliances, rated at ten amperes or more, and each motor or motor driven appliance of one half horsepower or more, shall be provided with its own separate circuit, over current protection and disconnecting means.~~

~~— (i) Each furnace or combustion heating unit shall be connected to separate circuit and be provided with a switch which removes all voltage from the unit. Each motor of each furnace or combustion heating unit shall be provided with adequate overcurrent protection. If this protection is not built into the motor, it shall be provided separately.~~

~~— (j) All lighting above one hundred fifty volts to ground shall have low voltage switching except when switched at electrical panel board.~~

~~— (k) Battery exit and emergency lights shall be installed in all multi family dwellings that have common stairs or hallways.~~

~~— (l) On all open wood studs, bracket boxes shall be used unless otherwise approved by the electrical inspector.~~

~~— (m) All attic and crawl spaces larger than one hundred square feet shall have a light installed in such space and a switch installed in the entrance to such a space.~~

~~— (n) All distribution panels, subpanels, breaker panels, motor control centers, and fuse panels shall be protected by a main breaker or disconnect located within three feet and in sight.~~

~~— (o) Battery exit and emergency lights shall be installed in all commercial and industrial buildings over one thousand two hundred square feet unless a generator system with automatic transfer of power is installed to supply exit and emergency lights.~~

~~— (p) Any equipment above six hundred volts shall be maintained by a licensed electrical contractor.~~

~~— (q) Plastic wire nuts with a steel spring insert may be used. The wires are to be mechanically twisted together before the wire nut is installed.~~

~~— (r) Crimp connectors may only be used on stranded wire.~~

~~— (s) A device may not be used as splice.~~

~~— (t) Backstabbing may not be used on any device. All wires must be secured under the screws on the device.~~

~~— (u) Ground fault circuit interrupter protection shall be required within six (6) feet of sinks in commercial installation.~~

~~— (v) All 125 volt, single phase, 15 and 20 ampere receptacles installed below grade shall have ground fault circuit interrupter protection for personnel.~~

~~— (w) A single break glass shunt trip with spring loaded switch shall be provided to disconnect all electrical computer equipment and HVAC in an electronic computer/data processing equipment room and to disconnect all power to and out of the UPS (uninterruptible power supplies) room. The shunt trip shall not be installed any higher than eight (8) feet from the floor.~~

~~— (x) All 125 volt, single phase, 15 and 20 ampere receptacles, electrical equipment, light fixtures, and fans, installed in bathrooms shall be installed with GFCI protection.~~

~~— (y) All detached and attached garages will be required to have at least one accessible 110v GFCI protected outlet, an interior light on a switch, and an exterior light on a switch for the service door. Detached Garages will be required to have a single main disconnect labeled "Garage Disconnect" in the garage to control the power in the garage. (Ord. No. 662, § 25; Ord. No. 1778, § 3; Ord. No. 2178, § 3; Ord. No. 2876, §§ 3, 5; Ord. No. 2971, § 1; Ord. No. 3403, § 4.)~~

Section 37. Section 10.25. is hereby repealed in its entirety

10.25. Inspection prior to concealing wiring.

~~— Wiring shall not be concealed until it has been inspected and accepted. Notices posted in or on buildings by inspectors shall be removed only by inspectors after acceptance of work. A plan showing electrical lighting and outlet layouts shall be available for the inspector on the premises when "roughing in"~~

~~inspection is made.~~

~~———— A complete and approved set of plans shall be on the premises and available when a final inspection is made.~~

~~———— Wires or cables shall not be drawn into conduits or raceways which will be concealed in walls, floors, or ceilings until such enclosing of walls, floors, or ceilings are completed. Plaster, if used, must be dry. (Ord. No. 662, § 28; Ord. No. 1778, § 3; Ord. No. 2876, § 5; Ord. No. 3403, § 6.)~~

Section 38. Section 10.26. is hereby repealed in its entirety

10.26. Reserved.

(Ord. No. 662, § 27; Ord. No. 1778, § 3; Ord. No. 2876, § 5.)

Section 39. Section 10.27. is hereby repealed in its entirety

10.27. Reserved.

(Ord. No. 662, § 29; Ord. No. 1778, § 3; Ord. No. 2178, § 4; Ord. No. 2876, § 5; Ord. No. 3403, § 7.)

Section 40. Section 10.28. is hereby repealed in its entirety

10.28. Services.

~~———— (a) All unprotected service entrance conductors shall enter the panel in rigid, intermediate, or aluminum threaded conduit. Threaded or compression fittings shall be used in wet and damp locations. Set screw shall be allowed in dry locations. Service entrance cable may be used on temporary services with the permission of the chief electrical inspector. No live unfused service entrance conductor shall extend over five feet inside the building without special permission from the chief electrical inspector. All underground service conductors shall be in the form of cable with thermoplastic or other insulation and coverings approved for the use and rated by Underwriter's Laboratories, Inc., or other approved testing agency as allowed by the chief electrical inspector, and protected against mechanical injury and terminated in an approved manner which does not require the use of solder. No solder shall be used on a service entrance conductor. Each residential occupancy shall be provided with a main switch or circuit breaker, except where there is more than one meter installed, a main disconnect or breaker shall be installed for the entire service and a main breaker or disconnect shall be installed in either each meter or panel. Except as provided in Section 10-24.1, all commercial, industrial, and multi-use buildings shall have a main disconnecting means, which shall shut down power to the entire building with one operation of the hand. All ground wire shall be copper without splices.~~

~~———— (b) All service and distribution equipment shall be approved for the use which it is intended by Underwriter's Laboratories, Inc., NEMA, or other approved laboratories as allowed by the chief electrical inspector, and shall be so labeled.~~

~~———— (c) The minimum service of any new or revised residential or multiple family structure shall be one hundred amp twenty circuit panel.~~

~~———— The minimum service on any new or revised commercial or industrial installation shall be one hundred amp twenty circuit panel, except as provided for in Section 10-24.1, and all service conductors shall be copper.~~

~~———— (d) If a two hundred amp service is installed, the panel shall have not less than forty circuits.~~

~~———— For any installation, there shall be only one wire under the screw or lug for each fuse or breaker. No tandem circuit breakers shall be allowed.~~

~~———— (e) On one hundred amp services, the minimum size of service conductors shall be #3 THW,~~

~~THHW, THWN, XHHW, or larger. On two hundred amp services, the minimum size of service conductors shall be 3/0 THW, THHW, THWN, XHHW, or larger.~~

~~(f) All service grounds shall be run directly to the street side of the water meter, with a supplemental eight foot copper ground rod driven outside the structure, unless otherwise approved by the chief electrical inspector.~~

~~(g) Service conductors installed as open conductors, or multiconductor cable without an overall outer jacket, shall have a clearance of not less than three (3) feet (914mm) from any stationary or openable window, door, fire escape or similar location.~~

~~(h) If there is any work done from the service head to the primary conductors in the rear of the main panel, a service upgrade shall be required to not less than 100 amp.~~

~~(i) Sidecars /panel extensions will be allowed only when installed within three feet and insight of the main power source and will be powered by circuit breakers in the main panel. Installation will be the same as required for new services. The minimum number of circuits allowed in a sidecar or subpanels will be 8. (Ord. No. 662, § 30; Ord. No. 1778, § 3; Ord. No. 2876, § 5; Ord. No. 3403 § 8.)~~

Section 41. Section 10.29. is hereby repealed in its entirety

10.29. Reserved.

(Ord. No. 662, § 31; Ord. No. 1778, § 3; Ord. No. 2876, § 5.)

Section 42. Section 10.30. is hereby repealed in its entirety

10.30. Reserved.

(Ord. No. 662, § 32; Ord. No. 1778, § 3; Ord. No. 2876, § 5.)

Section 43. Section 10.31. is hereby repealed in its entirety

10.31. Reserved.

Section 44. Section 10.32. is hereby repealed in its entirety

10.32. Reserved.

Section 45. Section 10.33. is hereby repealed in its entirety

10.33. Metering in multiple family dwelling.

~~A separate electrical meter shall be provided for each unit in a multiple family dwelling. The power source serving more than one meter shall have a main disconnect, which shall be readily accessible to fire department personnel, to permit all meters to be shut off simultaneously. (Ord. No. 2608, § 3; Ord. No. 2876, § 5.)~~

Section 46. Section 10.34. is hereby repealed in its entirety

10.34. Feeder and branch circuit distribution equipment

~~———— All feeder distribution and branch circuit distribution equipment shall be dead front unless both of the following conditions are met:~~

~~———— (a) Access to the distribution equipment is only through an approved steel door with integral lock or locks.~~

~~———— (b) Access is limited to a qualified maintenance electrician and his/her qualified subordinates or an electrical contractor. (Ord. No. 662, § 26; Ord. No. 1778, § 3; Ord. No. 2876, § 5.)~~

Section 47. Section 10.35. is hereby repealed in its entirety

10.35. Reserved.

Section 48. Section 10.36. is hereby repealed in its entirety

10.36. Overfusing.

~~———— It shall be unlawful for any person to overfuse any conductor, motor or apparatus in excess of the maximum allowed by the National Electrical Code for such conductor, motor or apparatus, or to install any substitute in lieu of an approved fuse or device so as to remove or reduce the factor of safety of same. (Ord. No. 662, § 18; Ord. No. 1778, § 3; Ord. No. 2876, § 5; Ord. No. 3403, § 10.)~~

Section 49. Section 10.36ART. is hereby repealed and replaced with a new Section 10.36ART. to read as follows

10.36ART. Article IV. Standards and Specifications for Pre-wired Office Partitions

Section 50. Section 10.37. is hereby repealed in its entirety

10.37. Scope of Article-Definition.

~~———— This Article governs and regulates the installation, maintenance, electrical infeed systems, safety features, and service performance of pre-wired office partitions. For purposes of this Article, a pre-wired office partition shall mean any and all office partitions manufactured for, and equipped with, a dedicated wiring (pre-wired) system.~~

Section 51. Section 10.38. is hereby repealed in its entirety

10.38. Permit to Install Pre-wired Office Partitions.

~~———— (a) No person shall install, alter or repair any pre-wired office partition unless a permit for such work was issued by the Director of Community Development after approval by the Electrical Inspector or his/her duly authorized representative.~~

~~———— (b) Installation, alteration or repair of pre-wired office partitions shall be performed by an electrical contractor licensed as such under Chapter 8, Article IX, of the Downers Grove Municipal Code. The fees to be charged for inspection of the pre-wired office partition shall be based on the number of outlets as set forth in Section 10-21(e).~~

~~———— (c) To obtain a permit for the installation, alteration or repair of pre-wired office partitions, the licensed electrician shall submit to the Director of Community Development a floor layout plan for placement of the pre-wired partitions and the electrical plan of each partition to be installed.~~

Section 52. Section 10.39. is hereby repealed in its entirety

10.39. Requirements for Pre-wired Office Partitions-Installation.

~~Pre-wired office partitions shall meet the following requirements:~~

~~(a) The pre-wired office partition shall be connected to circuit breaker protection from building electrical services with either of the following energy sources:~~

~~(1) 120/208 volt, 3 phase wye, 60 hertz.~~

~~(2) 120/240 volt, 1 phase split, 60 hertz.~~

~~(b) The main power supply of the pre-wired office partitions shall be hard-wired from the wall to the first pre-wired panel.~~

Section 53. Section 10.40. is hereby repealed in its entirety

10.40. Same-Materials.

~~(a) Conductors shall be insulated electrical grade copper wire, except in connectors, receptacles and other devices.~~

~~(b) Conductors shall be at least a 14 strand copper wire.~~

~~(c) Insulating materials used in conjunction with conductors, connectors, and other circuit components of the pre-wired office partition shall be capable of maintaining their form and function indefinitely at working temperatures up to and including 90° centigrade and 164° fahrenheit. Such insulating materials shall be self-extinguishing if set on fire.~~

Section 54. Section 10.41. is hereby repealed in its entirety

10.41. Same-Wiring

~~(a) *Wire size.* All circuit breakers used to power the pre-wired office partition shall be 28 ampere or less. Line circuit wire shall be the proper size to adequately carry the current permitted by the circuit breaker. (Example: a 20 ampere circuit breaker requires no smaller than a 12 AWG line wire with not less than 14 strands.)~~

~~(b) *Neutral wire.* Neutral wire shall be the proper size to adequately carry the total current possible from an unbalanced system. (Example: if one wire is dedicated as a neutral for two lines and each line is protected by a 20 ampere circuit breaker on the same leg, the neutral wire shall be capable of carrying 40 amperes and be no smaller than 10 THHN.)~~

~~(c) *Ground wire.* Ground wire shall be the proper size to adequately carry the current possible on the line circuit having the largest circuit breaker if a fault develops.~~

~~(d) *Color code.*~~

~~(1) Line circuit wire may be any color except white, slate (light grey), or green.~~

~~(2) The neutral wire shall be white. If white is unavailable, the neutral wire shall be slate. Any additional neutral wires in the group shall be either white or slate with a color trace.~~

~~(3) The ground wire shall be green. If green is unavailable, the ground wire shall be green with yellow trace. Any additional ground wires in the group shall be green with a color trace.~~

~~(e) *Flexibility and slack.* All wiring shall be capable of withstanding flexing experienced during installation, movement due to accidental bumping, planned relocations, and subsequent wiring changes.~~

Section 55. Section 10.42. is hereby repealed in its entirety

10.42. Same-Plug-in Connections.

~~(a) All circuit lines, neutrals and grounds shall be opened/closed simultaneously.~~

~~———— (b) Upon making an adequate electrical connection and final positioning of the component (wiring connector, receptacle, etc.), mechanical features of the system shall maintain the component's position to ensure an adequate connection until deliberate action is taken to effect a disconnect.~~

~~———— (c) No part of a line circuit or neutral wire shall be exposed and capable of being contacted at an open connector interface by anything having greater than a one quarter inch diameter curvature.~~

~~———— (d) The connection between a conductor wire and its associated metallic connector contact shall be secure over the entire area provided for crimping. The crimped connection shall be stronger than the associated wire.~~

~~———— (e) The nature of a connection shall be such that maximum temperature rise measurable anywhere on the connector's outer body surface, after twenty four hours in still air with 150% of rated current continuously passing through all contacts, be a maximum of 30 degrees celsius above the beginning temperature. Prior to testing, the connector shall remain in the test environment for twenty four hours to stabilize the beginning temperature in the range of reasonable office ambient temperatures.~~

Section 56. Section 10.43. is hereby repealed in its entirety

10.43. Same-Receptacles.

~~———— (a) All receptacles shall be grounding type receptacles.~~

~~———— (b) Standard service, 3 prong receptacles shall have a 15 ampere service rating.~~

~~———— (c) All receptacles shall be mounted securely in place and be able to withstand heavy blows, and pulls on an inserted plug's cord from any angle, without any damage to the receptacle or partition.~~

Section 57. Section 10.44. is hereby repealed in its entirety

10.44. Electrical Service Channel.

~~———— (a) The electrical service channel shall contain a drip proof design so liquids impinging from vertically above or parallel to the floor will be diverted away from the channel's internal wire way.~~

~~———— (b) Closure/faccia panels shall not be dislodged when bumped or kicked.~~

Section 58. Section 10.45. is hereby repealed in its entirety

10.45. Same-Marking Labels.

~~———— All points of installation and service shall be adequately marked/labeled with information needed by a licensed electrician or inspector.~~

Section 59. Section 10.46. is hereby repealed in its entirety

10.46. Same-Underwriters Laboratory Listing.

~~———— All components and system configurations of the pre-wired office partition shall be UL listed and labeled/marked as such.~~

Section 60. Section 10.46ART. is hereby repealed in its entirety

10.46ART. Article V. Electrical Commission

Section 61. Section 10.47. is hereby repealed in its entirety

10.47. Electrical Commission established.

~~There is hereby established an Electrical Commission for the Village of Downers Grove which shall consist of seven members as follows: the chief electrical inspector of the municipality shall be a member and ex-officio chairman of the commission; of the other five members, one shall be a registered professional engineer, one an electrical contractor, two journeyman electricians, the chief of the fire department or such person as the chief may designate from the members of the fire department, and one representative of an electricity supply company. If there is no person residing in the municipality who is qualified under any one of these descriptions, the Mayor may appoint some other person to fill that position. All members of the Electrical Commission shall be appointed by the Mayor with the advice and consent of the Council and shall be appointed for staggered terms of three years each. Members shall hold office for their designated terms and until their successors have been appointed. (Ord. No. 2033, § 1; Ord. No. 2876, § 5; Ord. No. 3284, § 1.)~~

Section 62. Section 10.48. is hereby renumbered to be Section 10.48.

10.48. Duties.

~~The electrical commission shall recommend to the Council safe and practical standards and specifications for the installation, alteration and use of electrical equipment designed to meet the necessities and conditions of the particular locality, reasonable rules and regulations governing the issuance of permits by the electrical inspection department, and reasonable fees to be paid for the inspection by the inspection department of all electrical equipment installed or altered within the municipality. The standards, specifications, rules, regulations and fees so recommended shall not become effective until adopted by ordinance by the corporate authorities of the municipality. (Ord. No. 2033, § 1; Ord. No. 2876, § 5.)~~

Section 63. That Section 2.53. is hereby amended to read as follows:

2.53. Appointment of members to boards and commissions.

(a) Members of the following boards and commissions shall be appointed by the Village Council as provided herein:

Library Board of Trustees - all members as provided by law.

(b) Members of the following boards and commissions shall be appointed by the Mayor as provided herein:

Police Pension Board - two members, with balance as provided by statute.

Fire Pension Board - two members, with balance as provided by statute.

(c) Members of the following boards and commissions shall be appointed, and the chairperson designated, by the Mayor, subject to confirmation by the Village Council:

Architectural Design Review Board

Board of Fire and Police Commissioners

Community Grants Commission

Community Events Commission

~~Electrical Commission~~

Environmental Concerns Commission

Human Service Commission

Liquor Commission

Plan Commission

Stormwater and Flood Plain Oversight Committee

Technology Commission

Transportation and Parking Commission

Zoning Board of Appeals

2008 Electrical Code

(d) Members of the following boards and commissions shall be appointed, and the chairperson designated, by the Village Manager:

(e) Members of the following boards and commissions shall be appointed, and the chairperson designated, by the Village Manager, subject to confirmation by the Village Council:

Building Board of Appeals

(f) Each member of a board or commission, including the chairman, shall hold office until the expiration of the term for which such member was appointed or until such time as a successor has been appointed or qualified, unless prior to such time such member resigns his/her position or is removed from it by the appointing official.

(g) Vacancies on any board or commission shall be filled as soon as possible for the unexpired term of the member whose place has become vacant.

(h) Each member of a board or commission shall be a resident of the Village unless otherwise specifically provided.

(i) Only duly appointed members may vote on any matter before any board or commission.

(j) The Mayor may, in his/her discretion, subject to confirmation by the Village Council, appoint for a one (1) year term, a student who will be enrolled in the 11th grade during the majority of his/her term on the following boards and commissions:

- (1) Community Events Commission
- (2) Environmental Concerns Commission
- (3) Grants Commission
- (4) Human Services Commission
- (5) Transportation and Parking Commission

Each student shall reside within the Village of Downers Grove and shall be a voting member of the board or commission. Any student member appointed pursuant to this section may be in addition to any regularly appointed members of the board or commission as established by Ordinance. (Ord. No. 3266, § 34; Ord. No. 3294, § 1.)

Section 64. That all ordinances or parts of ordinances in conflict with the provisions of this ordinance are hereby repealed.

Section 65. That this ordinance shall be in full force and effect from and after its passage and publication in the manner provided by law.

Mayor

Passed:

Published:

Attest: _____

Village Clerk

RESOLUTION NO. _____

**A RESOLUTION AUTHORIZING EXECUTION OF AN AGREEMENT BETWEEN THE
VILLAGE OF DOWNERS GROVE AND THE OFFICE OF STATE FIRE MARSHALL
REGARDING THE ELEVATOR SAFETY PROGRAM**

BE IT RESOLVED by the Village Council of the Village of Downers Grove, DuPage County, Illinois as follows:

1. That the form and substance of a certain Agreement ("Agreement"), between the Village of Downers Grove and the Office of the State Fire Marshall regarding the Illinois Elevator Safety Program, as set forth in the Agreement submitted to this meeting with the recommendation of the Village Manager, is hereby approved.
2. That the Village Manager and Village Clerk are hereby respectively authorized and directed for and on behalf of the Village to execute, attest, seal and deliver the Agreement, substantially in the form approved in the foregoing paragraph of this Resolution, together with such changes as the Manager shall deem necessary.
3. That the proper officials, agents and employees of the Village are hereby authorized and directed to take such further action as they may deem necessary or appropriate to perform all obligations and commitments of the Village in accordance with the provisions of the Agreement.
4. That all resolutions or parts of resolutions in conflict with the provision of this Resolution are hereby repealed.
5. That this Resolution shall be in full force and effect from and after its passage as provided by law.

Mayor

Passed:

Attest: _____

Village Clerk

ILLINOIS ELEVATOR SAFETY PROGRAM AGREEMENT

This Agreement is made between the Office of the State Fire Marshal ("OSFM") and the municipality or county ("Local Authority") as hereinafter identified.

This Agreement constitutes a contract between the OSFM and Local Authority which permits the Local Authority to operate an Elevator Safety Program ("Program") in conformity with Section 140 of the Elevator Safety Act (225 ILCS 312/140) and the Administrative Rules adopted at 41 Ill. Adm. Code 1000. In that regard, the Local Authority agrees to the following:

1. This Agreement will become effective on the date it is accepted by the OSFM.
2. The Local Authority shall submit to the OSFM, along with this Agreement executed by an officer of the Local Authority, the following information and shall notify the OSFM in writing of any changes to subsections "A" and "B" thereafter during the term of this Agreement :
 - A The name and contact information of its Program administrator.
 - B. The name and contact information of any third party inspection company under contract with the Local Authority or the name and license number of the inspector(s) employed by the Local Authority to perform such inspections.
 - C. The number and type of conveyances covered by the Program.
 - D. The number and type of conveyances NOT covered by the Program, if any.
3. The Local Authority by signing this Agreement attests to the OSFM that it has adopted by ordinance or resolution, or will do so within 30 days of the date of its signature hereto, the following Standards:

American Society of Mechanical Engineers (ASME)
Three Park Avenue
New York NY 10016-5990

- A. Safety Code for Elevators and Escalators (ASME A17.1-2007/CSA B44-07) and Performance-Based Safety Code for Elevators and Escalators (ASME A17.1-2007/CSA B44.7-07);
- B. Guide for Inspection of Elevators, Escalators, and Moving Walks (ASME A17.2-2004);
- C. Safety Code for Existing Elevators and Escalators (ASME A17.3-2005) (upgrades required by application of the Safety Code for Existing Elevators and Escalators must be completed no later than January 1, 2013 (see Public Act 095-0767);

- D. Safety Standard for Platform Lifts and Stairway Chairlifts (ASME A18.1-2005);
- E. Standard for the Qualification of Elevator Inspectors (ASME QEI-1-2007).

American National Standards Institute (ANSI)
25 West 43rd Street, 4th Floor
New York NY 10036

Safety Requirements for Personnel Hoists and Employee Elevators
(ANSI A10.4-2004).

American Society of Civil Engineers (ASCE)
1801 Alexander Bell Drive
Reston VA 20191-4400

Automated People Mover Standard (ASCE 21-05), Part 1, 2006.

Automated People Mover Standards (ANSI/ASCE/T&DI 21.2-08),
Parts 2, 3 and 4, 2008

- 4. Should the Local Authority desire to amend any of the Standards, the Local Authority must submit to the OSFM, for approval by the Illinois Elevator Safety Board ("Board"), a copy of the amendment and its reason for the change. The Board shall review the amendment and notify the Local Authority no later than 30 days after the Board meeting at which the variance request is heard of its approval or denial.
- 5. With respect to ASME A17.3-2005, *Safety Code for Existing Elevators and Escalators*, upgrades required by this Standard must be completed no later than January 1, 2013. The 2009 and 2011 requirement dates were amended 7/29/08 (Public Act 095-0767).

An Existing Elevator is an elevator contained in a building for which a building permit was issued prior to the effective date of the Administrative Rules or a conveyance for which a permit was issued for that conveyance prior to the effective date of the Administrative Rules adopted in conformance with the Elevator Safety Act.

- 6. The Local Authority by signing this Agreement agrees:
 - A. To operate its Program in compliance with the Elevator Safety Act and Administrative Rules.
 - B. To ensure that all inspections and maintenance are performed by personnel properly licensed by the State and notify the OSFM of any instances of non-compliance it becomes aware of.

- C. To amend its Program within 30 days of receipt of notice from the OSFM informing them of changes to any form, document, the Standards and/or rules that affect the Program.
- D. To provide to the OSFM by February 15th of each year, an annual report of the previous calendar year that shall identify:
 - 1) The number and types of Inspections performed during the past year;
 - 2) The number of certificates of operation issued during the past year;
 - 3) The number of permits issued for new conveyances during the past year;
 - 4) A list of conveyances identified by address and State I.D. number after conveyance is registered, that were red-tagged or put out-of-service during the past year;
 - 5) A copy of any report prepared as the result of an elevator accident that was not reported to the State; and
 - 6) A copy of any amendments to the Program's enabling ordinance or resolution adopted by the Local Authority.
- E. To submit to the OSFM beginning February 15, 2008 and thereafter on the 15th of each month, the list of conveyances inspected for the previous month identified by the State I.D.
- F. To maintain for a period of not less than one year, the following records for inspection by the OSFM:
 - 1) Copies of all inspection reports;
 - 2) Copies of all permits applications;
 - 3) Copies of all permits issued; and
 - 4) Records of the number of Certificates of Operation issued.
- G. To submit to the OSFM a copy of each permit issued.
- H. To notify the OSFM at least 90 days in advance of the date the Local Authority elects to discontinue its Program.
- I. To require all conveyances in its jurisdiction to register and pay the associated fee to the OSFM and to put out-of-service and report to the OSFM the names of the owners of those conveyances that fail to register within 30 days of determination that the conveyance is not registered.

7. In accordance with the Elevator Safety Act and the Administrative Rules, with the exception of the registration fees, the fees and procedures for applications, permits, inspection and enforcement under the Local Authority's Program shall remain the jurisdiction of the Local Authority and such procedures shall take precedence over the procedures adopted by the OSFM and Board.
8. Should the Board determine that the Program does not meet the requirements of the Elevator Safety Act or the Administrative Rules, the Board shall notify the Local Authority of the corrective actions needed to bring the Program into compliance. Should the Local Authority fail to make the corrections, the Board may, after allowing time for corrective action and after a hearing under Section 160 of the Administrative Rules, withdraw approval of the Program.
9. A copy of the Administrative Rules (41 Ill. Admin. Code 1000) will be available at "<http://www.ilga.gov/commission/jcar/admincode/titles.html>" once published.

Local Authority Name

Office of the State Fire Marshal
1035 Stevenson Drive
Springfield, IL 62703
(217) 785-0969

Signature of Officer

Accepted by:

Printed Name

David B. Foreman, Fire Marshal

Title

Address

Date

City/State/Zip

Telephone Number

Date

2003 Life Safety Code

ORDINANCE NO. _____

AN ORDINANCE AMENDING LIFE SAFETY CODE PROVISIONS

BE IT ORDAINED by the Village Council of the Village of Downers Grove in DuPage County, Illinois, as follows: (Additions are indicated by **shading**/underline; deletions by ~~strikeout~~):

Section 1. Section 7.29. is hereby renumbered to be Section 7.1301.

7.29. 2003 National Fire Protection Life Safety Code - Adopted.

The 2003 edition of the National Fire Protection Association's Life Safety Code (also known as NFPA 101) is hereby adopted in its entirety except for those provisions which are hereinafter deleted, modified, or amended. The aforementioned Code may be referred to as the "Life Safety Code" and is adopted for the purpose of protecting the public health, safety and welfare. The Life Safety Code establishes minimum standards of construction, protection and occupancy of buildings and other structures. Additionally, it minimizes the danger to life from fire, smoke, fumes and panic by specifying minimum requirements for number, size, and arrangement of exit facilities. Lastly, it regulates all other matters which are considered essential to life safety, and provides for the administration of the various provisions and regulations.

At least one copy of the Life Safety Code, including any amendments made to it, shall be filed in the office of the Village Clerk. (Ord. No. 1790, § 1; Ord. No. 2602, § 2; Ord. No. 3186, § 3.)

Section 2. Section 7.30. is hereby renumbered to be Section 7.1302.

7.30. Definitions.

For the purposes of the Life Safety Code, the following words and phrases shall have the meanings respectively ascribed to them by this section:

Authority having jurisdiction. The bureau of fire prevention of the Village. (Ord. No. 1790, § 1; Ord. No. 3186, § 4.)

Section 3. Section 7.31. is hereby renumbered to be Section 7.1303.

7.31. Life Safety Code - Amendments.

The amendments to the Life Safety Code referred to in Section 7-29 are the following:

None.

(Ord. No. 1790, § 1; Ord. No. 3186, § 5.)

Section 4. Section 7.32. is hereby renumbered to be Section 7.1304.

7.32. Applicability to Building Code.

If during the administration of the Life Safety Code the application of a provision or provisions of the Life Safety Code and a provision or provisions of the Building Code adopted by ~~Section 7-7~~Chapter 7, Article XI will impose standards or requirements that are inconsistent in whole or in part, the provision or provisions of the code imposing the most stringent standards or requirements shall control. (Ord No. 1790, § 1; Ord. No. 3186, § 6; Ord. No. 3327, § 1.)

Section 5. Section 7.33. is hereby renumbered to be Section 7.1305.

7.33. Appeals.

Whenever the chief of the bureau of fire prevention shall disapprove an application for a modification or exception from the provisions of the Life Safety Code or shall refuse to grant a permit applied for or when it is claimed that the provisions of the Life Safety Code adopted by this article do not apply or that the true intent and meaning of such code has been misconstrued or wrongly interpreted, the applicant may appeal from the decision of the chief of the bureau of fire prevention to the Building Board of Appeals established pursuant to the Building Code in Chapter 7, Article IX within thirty days from the date of the decision. (Ord. No. 1790, § 1; Ord. No. 3186, § 7.)

Section 6. Section 7.34. is hereby renumbered to be Section 7.1306.

7.34. Violations and penalties.

(a) Any Person who shall violate any of the provisions of the Life Safety Code adopted by this article or fail to comply with any order made thereunder or who shall build in violation of any detailed statement of any specifications or plans submitted and approved thereunder or any certificate or permit issued thereunder and from which no appeal has been taken within thirty days or who shall fail to comply with such an order as affirmed or modified by the Board of Appeals or by a court of competent jurisdiction, within the time fixed herein, shall severally, for each such violation and noncompliance, be punishable as provided in Section 1-15. The imposition of a penalty for any violation shall not excuse the violation or permit it to continue. All such persons shall be required to correct or remedy such violations or defects within a reasonable time and, when not otherwise specified, each ten days that prohibited conditions are maintained shall constitute a separate offense.

(b) The application of the above penalty shall not be held to prevent the enforced removal of prohibited conditions. (Ord. No. 1790, § 1; Ord. No. 3186, § 8.)

Section 7. That all ordinances or parts of ordinances in conflict with the provisions of this ordinance are hereby repealed.

Section 8. That this ordinance shall be in full force and effect from and after its passage and publication in the manner provided by law.

Mayor

Passed:

Published:

Attest: _____

Village Clerk

2004 Plumbing Code

ORDINANCE NO. _____

**AN ORDINANCE ADOPTING THE 2004 STATE OF ILLINOIS PLUMBING CODE
AND AMENDMENTS THERETO**

BE IT ORDAINED by the Village Council of the Village of Downers Grove in DuPage County, Illinois, as follows: (Additions are indicated by ~~shading~~/underline; deletions by ~~strikeout~~):

Section 1. That Section 16.1. is hereby amended to read as follows:

16.1. Title.

The provisions of this Chapter 16 may be cited and referred to as the "Downers Grove Plumbing Code" or the "Plumbing Code". (Ord. No. 2808, § 2.)

Section 2. That Section 16.2. is hereby amended to read as follows:

16.2. 2004 State of Illinois Plumbing Code - Adoption.

The ~~2004 State of Illinois State~~ Plumbing Code, as promulgated by the Illinois Department of Public Health, ~~and any subsequent amendments adopted by the Department thereto,~~ is hereby adopted for the purpose of establishing rules and regulations for the materials, construction, alteration and inspection of all plumbing placed in or in connection with any building within the Village. The same is adopted in its entirety, save and except such portions as are hereinafter amended, and is, together with such amendments, incorporated as fully as if set out at length herein, and shall control in the installation and maintenance of plumbing systems within the Village. Said plumbing code, as modified and amended, may be referred to for all purposes as the "Downers Grove Plumbing Code" or the "Plumbing Code". At least one copy of said Code, including such amendments to it as shall hereinafter be enacted, shall be filed in the office of the Village Clerk, with additional copies available in the Community Development Department of the Village. (Ord. No. 2808, § 2.)

Section 3. Section 16.3. is hereby repealed in its entirety

16.3. Definitions.

For the purposes of the Plumbing Code, the following words and phrases shall have the meanings respectively ascribed to them by this section:

Building official. The Director of Community Development of the Village.

Department. The Community Development Department of the Village.

~~Fixtures. Including but without limitation, the following: water closets, bidets, lavatories, bathtubs, hot water heaters, showers (built in or freestanding), kitchen sinks, utility sinks, drinking fountains, urinals, inground ejector pumps for removal of solid waste matter, floor drains and dishwashing machines. Note: Sump pumps for footing drain tile shall not be counted as fixtures. (Ord. No. 2808, § 2.)~~

Section 4. Section 16.4. is hereby renumbered to be Section 16.1902.

16.4. State of Illinois Plumbing Code - Amendments.

The amendments to the ~~Illinois State~~ of Illinois Plumbing Code as referred to in ~~Section 16.2~~ this Chapter are the following:

2004 Plumbing Code

~~(a) — Section 890.1320(f) and (g) are hereby amended by deleting the same in their entirety and by substituting in lieu thereof the following:~~

~~—————"(f) — Small Piping. Horizontal drainage piping of four (4) inches diameter or less shall be installed with a grade of at least one fourth (1/4) inch per foot.~~

~~—————"(g) — Large Piping. Horizontal drainage piping larger than four (4) inches but less than eight (8) inches in diameter shall be installed with a grade of at least one eighth (1/8) inch per foot. For piping larger than eight (8) inches in diameter, the grade is determined by the number of drainage fixture units connected to the drain pipe. (See Appendix A: Table G.)"~~

~~(b) — Section 890.Appendix A, Table A, is hereby amended as follows:~~

~~—————(1) By deleting item numbers 1 and 9 in Table A, Approved Building Drainage/Vent Pipe, on page 1, and by adding the following note at the end of the Table: "Items listed in numbers 2, 4, 5, 6, 7 and 12 are permitted for above ground uses only."~~

~~—————(2) By deleting item numbers 1 and 2 in Table A, Approved Materials for Building Sewer, on page 3.~~

~~—————(3) By deleting item numbers 1, 2, 7 through 11, and 13 in Table A, Approved Materials for Water Service Pipe, on pages 4 to 5.~~

~~—————(4) By deleting item numbers 5 and 7 in Table A, Approved Materials for Water Distribution Pipe, on page 6, and by adding the following notes at the end of the Table: "The materials listed in item numbers 3 and 4 above shall be a type L copper."~~

~~(c) — Section 890.1190 is hereby amended by adding the following subsection:~~

~~—————"(h) — Lawn Sprinkling Systems. Accessible shut off valves shall be provided for each law sprinkler system. Such shut off valve shall permit the system to be shut off without interference with the water supply to the building."~~

~~(d) — Section 890.1200(a) is hereby amended by deleting the same in its entirety and substituting in lieu thereof the following:~~

~~—————"a) — Water Service Pipe Sizing. The water service pipe from the street main (including the tap) to the water distribution system for the building shall be sized in accordance with Appendix A, Tables M, N, O, P and Q. Water service pipe and fittings shall be at least one (1) inch diameter. If flushometers or other devices requiring a high rate of water flow are used, the water service pipe shall be designed and installed to provide this additional flow."~~

~~(e) — Section 890.1220(a) is hereby amended by adding immediately at the conclusion thereof the following sentence:~~

~~—————"All potable hot water exposed supply lines shall be insulated."~~

~~(f) — Section 890.1440(a) is hereby amended by deleting the same in its entirety and substituting in lieu thereof the following:~~

~~—————"a) — Vent Terminal Size. Each vent extension through the roof shall be a minimum of four (4) inches in diameter and no smaller than the vent which it terminates. Vent terminals shall not be screened."~~

~~(g) Section 890.1130(c) is hereby amended by adding the following sentence: A backflow prevention device shall be installed, in accordance with Environmental Protection Agency regulations, specifically Ill. Admin. Code, Title 35, Section 653.803, on each water service pipe/line to a business, commercial or industrial facility unless the director of public works or his/her designee, upon certification from a cross-connection control device inspector (CCCDI), determines that the building use does not pose an actual or potential hazard to the public water supply. This requirement applies whenever there is installation of a water service pipe/line, or alteration, renovation or replacement of an existing pipe/line, and for new construction. (Ord. No. 2808, § 2.)~~

~~(h) The following section is added as Section 890.1250:~~

~~—————"Water saving plumbing fixtures shall be installed as follows:~~

~~—————(1) — In all new construction and in all repair and replacement of fixtures or trim, only fixtures and trim not exceeding the following flow rates and water usage shall be installed. (These ratings are based on~~

2004 Plumbing Code

the pressure at the fixture of 40 to 50 psi.)

~~Water closets, tank type 3.5 gal. per flush~~

~~Water closets, flushometer type 3.0 gal. per flush~~

~~Urinals, tank type 3.0 gal. per flush~~

~~Urinals, flushometer type 3.0 gal. per flush~~

~~Shower heads 3.0 gal. per minute~~

~~Lavatory, sink faucets 3.0 gal. per minute~~

~~(2) In all new construction and in all repair and replacement of fixtures, faucets of lavatories located in restrooms intended for public use shall be of metering recessed self-closing type.~~

~~(3) In all new construction and replacement of fixtures, car wash installations shall be equipped with a water recycling system. All flush tank valves, fixture valves, and other taps, cocks, or faucets shall be so installed and maintained that they can be closed tightly against the passage of water.~~

~~(4) All air conditioning units installed in any building which is newly constructed, remodeled, or reconstructed shall be designed as a closed system to prevent discharge of cooling water."~~

Section 890.420 shall be amended to add the following condition:

6. The standpipe inlet for an automatic clothes washer shall extend a minimum of 18 inches and a maximum of 48 inches above the weir of a trap.

Section 890.550 is amended by deleting the same in its entirety and substituting in lieu thereof the following:

Backwater valves- Sanitary System and Storm System. Backwater valves shall be provided as required by the Downers Grove Sanitary District.

Section 890.660 c) is amended by deleting the same in its entirety and substituting in lieu thereof the following:

890.660 c) Urinals. Trough urinals and waterless urinals are prohibited.

Section 890.1130 c) is amended by adding the following at the end of paragraph c):

"A backflow prevention device shall be installed, in accordance with the Environmental Protection Agency regulations, on each water service pipe/line to a business, commercial, or industrial facility unless the Director of Public Works, the Village Plumbing Inspector, or a designee, upon certification from a cross-connection control device inspector, determines that the building use does not pose an actual or potential hazard to the public water supply. This requirement applies whenever there is installation of a water service pipe/line, or alteration, renovation or replacement of an existing pipe/line, and for new construction.

Section 890.1150 a) 2) is amended by deleting the first sentence in its entirety and substituting in lieu thereof the following:

890.1150 a) 2) Water service pipe installation. When the 10 foot separation as described in no. 1 above cannot be achieved, the water service and building drain or building sewer may be installed in the same trench provided that the water service is placed on a solid shelf a minimum of 18 inches above the building drain or building sewer subject to review and approval of the code official prior to installation.

Section 890.1190 b) the first sentence shall be deleted in its entirety and substituting in lieu thereof the following:

890.1190 b) The utility meter shall be installed within the building.

Section 890.1190 f) shall be amended to delete the words "dwellings and" the first sentence.

Section 890.1190 h) shall be added as follows:

890.1190 h) Lawn sprinkling systems. Accessible shut-off valves shall be provided for each lawn

2004 Plumbing Code

sprinkler system. Such shut-off valves shall permit the system to be shut-off without interference with the water supply to the building.

Section 890.1200 a) shall be deleted in its entirety and substituting in lieu thereof the following

890.1200 a) Water service pipe sizing. The water service pipe from the street main (including the tap) to the water distribution system for the building shall be sized in accordance with Appendix A, Tables M,N,O,P and Q. New installations of water service pipe and fittings shall be at least (1) inch diameter. If flushometers or other devices requiring a higher rate of water flow are used, the water service pipe shall be designed and installed to provide this additional flow.

Section 890.1200 shall be further amended to add 890.1200 a) 1) as follows:

890.1200 a) 1) For addition and remodeling projects at existing single family homes, a pressure test performed per the State of Illinois guidelines, may be accepted in lieu of service sizing per fixture counts from Appendix A, Table N. Upon completion of a passing test, the owner shall forward the results to the State of Illinois Department of Public Health. A confirmation indicating the test results have been reviewed and approved shall be submitted to the Village prior to the issuance of the final certificate of occupancy.

Section 890.1220 a) shall be amended by adding the following to the end of the paragraph:

890.1220 a) All potable hot water exposed supply lines shall be insulated per Sections 403, 503, and 504 of the International Energy Conservation Code.”

Section 890.1360 a) 2) shall be deleted in its entirety and substituting in lieu thereof the following:

890.1360 a) 2) Sanitary wastes below sewer. Sumps and ejectors handling sub-soil drainage and footing drains shall not receive any sewage. Sumps and ejectors handling sewage shall not receive subsoil drainage and footing drains. Provide a 10 foot separation between the subsoil drainage pit and the sub drain ejector pit or as permitted by the Sanitary District.

Section 890.1930 f) shall be deleted in its entirety and substituting in lieu thereof the following:

890.1930 f) Building Sewer. The building sewer shall be tested per the requirements of the Downers Grove Sanitary District.

Section 890 Appendix A Table A - Approved materials for building sewer. Shall be amended so that the requirements of the Downers Grove Sanitary District shall apply.

Section 890 Appendix A Table A - Approved materials for water service pipe. Shall be amended to delete item numbers 1, 2, 7, 8, 9, 10, 11, 13.

Section 890 Appendix A Table A - Approved materials for water distribution pipe. Shall be amended to delete item numbers 5 and 7

Section 890 Appendix A Table A - Approved materials for water distribution pipe. Shall be further amended to add the following note at the end of the table: The materials listed in item no. 3 and 4 above shall be Type L copper.

Section 5. That Section 16.5. is hereby amended to read as follows:

16.5. Permit Required.

No plumbing work, including a connection with the public sewers or water pipes shall be done except in an emergency without first securing from the building official a written permit therefor; provided, however, that no permit shall be required for minor repairs which do not require changes in the piping to or

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from plumbing fixtures or involve the removal, replacement, installation or reinstallation of any pipe or plumbing fixtures.

Permits shall be issued only to a plumber licensed by the State of Illinois or to the owner/occupant of a single family residence for plumbing work on such single family residence. (Ord. No. 2808, § 2.)

Section 6. That Section 16.6. is hereby amended to read as follows:

16.6. Application; change of contractor.

A written application for a permit shall be filed with the Director of Community Development. If a connection with the public sewer is contemplated, such application shall be accompanied by a permit from the Downers Grove Sanitary District. All applications for permits shall be signed by the owner of the premises on which the proposed work is to be done or by his/her duly authorized agent.

Each application for work to be done on all construction other than single or two-family dwellings shall be accompanied by a complete and legible set of drawings and specifications of the work to be done, or in lieu thereof such written description or information as shall be acceptable to the building official.

A new application for a plumbing permit shall be submitted to the plumbing inspector for his/her approval if the contemplated work is the same but a different contractor is used. (Ord. No. 2808, § 2.)

Section 7. That Section 16.7. is hereby amended to read as follows:

16.7. Fees.

(a) The fees to be charged for plumbing permits shall be as follows:

- | | | |
|----|-----------------|----------|
| 1. | Residential | \$225.00 |
| 2. | Non-Residential | \$375.00 |

(Ord. No. 2808, § 2; Ord. No. 3336, § 5; Ord. No. 3378, § 4.)

Section 8. That Section 16.8. is hereby amended to read as follows:

16.8. Permit Issuance.

(a) The required permit shall be issued only after a determination by the building official that the plans and specifications for the proposed work conform to the requirements of the Plumbing Code and payment of the fees in accordance with the schedule of fees in Section 16-7.

(b) In the case any work is begun on the installation of plumbing fixtures in any building or structure without a permit authorizing the same, the work shall be stopped until the necessary permit is issued and one hundred percent (100%) of a permit fee shall be added to the permit fee.

(c) No fees shall be refunded when a permit has lapsed after work is started. When a permit is revoked at the request of the applicant prior to lapsing due to time limits, and no work has been done, all but a basic fee to cover costs incurred by the building department and the plan review fee may be refunded.

Section 9. That Section 16.9. is hereby amended to read as follows:

16.9. Certificates of Inspection - Required; contents.

Upon the completion of the plumbing fixture installation in or on any building or structure, it shall be the duty of the person doing the work to request an inspection by the Community Development Department. If such plumbing fixture installation conforms to the requirements of this Chapter, a written certificate of satisfactory inspection shall be issued. One copy of the certificate shall be delivered to the person which is to furnish electrical service, and one copy shall be retained in the Village files. The certificate of inspection shall contain the date of such inspection, the location or address of the plumbing fixture installation by street

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number or lot number, the name of the person actually completing the work, and the name of the person for whom the plumbing fixture installation work was performed.

Each job for which a permit is issued shall be entitled to one rough inspection and one final inspection and each business or multiple family dwelling which is licensed by the Village of Downers Grove shall be entitled to one inspection and one re-inspection per license period. The fee for additional re-inspections made necessary due to failure to correct violations discovered during the initial inspections shall be fifty dollars (\$50.00) per re-inspection. (Ord. No. 2808, § 2; Ord. No. 3356, § 1.)

Section 10. That Section 16.10. is hereby amended to read as follows:

16.10. Permit Expiration.

All permits shall be for a period of one (1) year, all extensions of permit time shall be calculated at twenty-five percent (25%) of the original total permit fee and shall extend the life of the permit for a six (6) month period. (Ord. No. 2808, § 2.)

Section 11. That Section 16.11. is hereby amended to read as follows:

16.11. Changes in plans.

No changes shall be made in the proposed work from the plans and specifications on which a permit has been issued prior to submitting amended plans and specifications to the building official for approval. (Ord. No. 2808, § 2.)

Section 12. That Section 16.12. is hereby amended to read as follows:

16.12. Work in public areas to comply with Chapter 19.

All work done in the public areas in the Village as defined in Chapter 19 shall be done in compliance with such Chapter. (Ord. No. 2808, § 2.)

Section 13. That all ordinances or parts of ordinances in conflict with the provisions of this ordinance are hereby repealed.

Section 14. That this ordinance shall be in full force and effect from and after its passage and publication in the manner provided by law.

Mayor

Passed:
Published:
Attest: _____
Village Clerk