

ORDINANCE NO. 6589

AN ORDINANCE AMENDING VILLAGE OF GLENVIEW MUNICIPAL CODE CHAPTERS 18 AND CHAPTER 34 TO ADOPT NEW CONSTRUCTION CODES

WHEREAS, the Village of Glenview (the “Village”) is a home-rule municipality in accordance with the Constitution of the State of Illinois of 1970;

WHEREAS, the Village has the authority to adopt ordinances and promulgate rules and regulations that pertain to its government and affairs that protect the health, safety, and welfare of its citizens;

WHEREAS, Article 1, Division 3 of the Illinois Municipal Code authorizes municipalities to adopt by reference certain published compilations of rules and regulations prepared by nationally recognized trade or service association including, without limitation, building codes and fire prevention codes;

WHEREAS, the Village’s Building Commission has reviewed the 2021 editions of certain International Code Council (“ICC”) codes, has considered local amendments thereto, and has made recommendations regarding adoption of the same to the Village’s Board of Trustees (the “Village Board”);

WHEREAS, the Village Board has determined that in order to protect the health, safety, and welfare of the Village’s residents, it is necessary to amend certain portions of the Glenview Municipal Code (the “Code”) concerning buildings and building regulations as well as certain Code provisions concerning fire prevention and protection; and

WHEREAS, the Village President and the Village Board (collectively, the “Corporate Authorities”), having considered these matters, find it in the public interest to so amend the Code in the manner described herein:

NOW, THEREFORE, BE IT ORDAINED, by the President and Board of Trustees of the Village of Glenview, and in furtherance of and reliance on the Village’s home rule powers, that the Glenview construction codes be amended as follows:

Section 1: That the facts and statements contained in the preamble to this Ordinance are found to be true and correct and are hereby adopted as part of this Ordinance.

Section 2: Subsection 18-143(b) of Chapter 18, Article II, Division 5 of the Code, is amended as follows (added text is shown in **bold, double-underlined** text and deleted text is shown in ~~stricken~~ text):

“Sec. 18-143. - Permit expiration time limits.

* * *

(b) *Duration of permit.* **Any permit for a new residence, addition comprised of 400 square feet or more to an existing residence, new commercial building, or addition to an existing commercial building shall expire eighteen (18) months after the date of issuance. All other permits shall expire 12 months after the date of issuance.** Any building permit

issued by the director of community development or his/her designee, subject to force majeure delays, under which no work is commenced as established in accordance with the period set forth in section 54-2, shall automatically expire without further action by the director of community development or his/her designee and such permit shall be surrendered to the director of community development or his/her designee within ten days after its expiration. A cessation of work for more than 90 consecutive days shall have the same effect as if work was not commenced within the required number of days from the date of issuance of a building permit. **After the initial permit duration, the director of development or their designee, is authorized to grant, in writing, one or more extensions of time each not to exceed six (6) months. Any extension shall be requested in writing and justifiable cause demonstrated.**

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Section 3: Section 18-191 of Chapter 18, Article III of the Code, is deleted in its entirety and replaced with the following new Section 18-191:

Section 18-191. International Code Council (ICC) Residential Code for One- and Two-Family Dwellings adopted; amendments.

The 2021 edition of the ICC International Residential Code for One- and Two-Family Dwellings is hereby adopted with the following amendments:

- (1) *Section R101.1 Title.* Amended to read as follows: “These provisions shall be known as the Residential Code for One- and Two-Family Dwellings of the Village of Glenview, Cook County, Illinois (the “Village”) and shall be cited as such and will be referred to herein as ‘this code.’”
- (2) *Section R102.4 Reference codes and standards.* Amended to read as follows: “The codes and standards referenced in the code shall be considered part of the requirements of this code to the prescribed extent of each such reference. Where differences occur between provisions of this code and referenced standards, the provisions of this code shall apply. Exception: Where enforcement of a code provision would violate the conditions of the listing of the equipment or appliance, the conditions of the listing and manufacturer’s instructions shall apply. The following codes and standards are not adopted by reference and thus are not considered part of the requirements of this code:
IPC-2018 International Plumbing Code
IPSDC-2018 International Private Sewage Disposal Code
ISPSC-2018 International Swimming Pool and Spa Code”
- (3) *Section R105.2 Work exempt from permit.* Deleted in its entirety. Refer to Glenview Municipal Code – Chapter 18, Division 5, Section 18-141.
- (4) *Section R105.3.1.1 Substantially improved or substantially damaged existing buildings in areas prone to flooding.* Deleted in its entirety.
- (5) *Section R105.3.2 Time limit of application.* Delete in its entirety. Refer to Glenview Municipal Code – Chapter 18, Division 5, Section 18-143 and Chapter 54, Article 1, Section 54-2.
- (6) *Section R105.5 Expiration.* Delete in its entirety. Refer to Glenview Municipal Code – Chapter 18, Division 5, Section 18-143 and Chapter 54, Article 1, Section 54-2.

- (7) *Section R106.1.4 Information for construction in areas prone to flooding.* Deleted in its entirety.
- (8) *Section R106.2 Site plan or plot plan.* Amended to read as follows: “The construction documents submitted with the application for permit shall be accompanied by a site plan showing to scale the size and location of new construction and existing structures on the site, distances from lot lines, the established street grades and the proposed finished grades and, as applicable, flood hazard areas, floodways, and design flood elevations; and it shall be drawn in accordance with an accurate boundary line survey. In the case of demolition, the site plan shall show construction to be demolished and the location and size of existing structures and construction that are to remain on the site or plot. 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.”
- (9) *Section R106.2 Site plan or plot plan.* Amended by adding a new subsection, *R106.2.1 Compliance with site plan*, which reads as follows: “It shall be the responsibility of the builder/developer to submit to the Village’s Community Development Department a spot survey prepared by a Registered Land Surveyor after the foundation is installed. This survey must be at a scale of not less than one inch equal to thirty feet (1” = 30’). The survey must also indicate the elevation above sea level of the top of foundation wall and the top of the curb and sidewalk at lot lines extended relative to a United States Geological Survey benchmark. No construction will be allowed to proceed except for decking, underground sewer and water, and related items until the spot survey is approved by the Village’s Community Development Department. This section applies to principal structures generally, but may apply to additions or accessory structures if, in the opinion of the Village’s Inspectional Services Manager or his designee, it is necessary to confirm compliance.”
- (10) *Section R109.1.3 Flood plain inspections.* Deleted in its entirety.
- (11) *Section R112 Board of Appeals.* Deleted in its entirety. Refer to Glenview Municipal Code
– Chapter 2, Article 4, Division 4, Section 2-468.
- (12) *Section R113.4 Violation penalties.* Amended by adding the following new sentence at the end of the paragraph: “Violations of the provisions of this code shall be subject to a penalty in accordance with the provisions of Chapter 1, Section 1-16.”
- (13) *Section R113.4 Violation penalties.* Amended by adding a new subsection, *113.4.1 Work prior to permit*, as follows: “Any person, firm, or corporation who starts construction prior to the issuance of a building permit shall be subject to a penalty in accordance with the provisions of Chapter 1, Section 1-16.”
- (14) *Section R202 Definitions – Addition.* Amend to read as follows: “An extension or increase in floor area, exterior façade or roof surface, number of stories, or height of a building or structure.”
- (15) *Section R202 Definitions – Attic, Habitable.* Amend to read as follows: “A finished or unfinished *habitable space* within an *attic*. Habitable Attics are required to be accessed by a stair compliant with Section R311.7 of this code.”
- (16) *Section R202 Definitions – Technical Infeasible.* Amend by adding a definition for technical infeasibility to read as follows: “Technical Infeasible. An alteration of a building or a facility that has little likelihood of being accomplished because the existing structural conditions require the removal or alteration of a load-bearing member that is an essential part of the structural frame, or because other existing physical constraints prohibit modification or addition of elements, spaces, features

which are in full and strict compliance with the minimum requirements for new construction and which are necessary for accessibility.

- (17) *Section 301.1.4 Intermodal Shipping Containers* – Deleted in its entirety and replace with:

Section 301.1.4 Intermodal Shipping Containers are not permitted.

- (18) *Table R301.2(1) Climatic and Geographic Design Criteria*. Amended to read as follows:

TABLE INSET:

Ground Snow Load	30 lbs/ft ²
Wind Design Speed (Vmph)	115 Vmph Ultimate Design (90 mph nominal design wind speed)
Wind Design Topographical effects	No
Special Wind Region	No
Windborne Debris Zone	No
Seismic Design Category	A
Weathering	Severe
Frost line depth	42 inches below grade
Termite	Moderate to heavy
Winter Design Temp	97 ½%, -2°F
Ice Barrier Underlayment Required	Yes
Flood Hazards	<ul style="list-style-type: none"> a) The effective date of entry is 2/5/1991. b) Flood Insurance Study date is 11/1/2019. c) Panels 0207, 0207, 0226, 0227, 0228, 0229, 0231, 0233, 0234, 0236, 0237, and 0241 with effective date of 8/19/2008.
Air Freezing Index	2,000
Mean Annual Temp	50 degrees Fahrenheit

- (19) *Section R302.3 Two-family dwellings*. Exception 2 is amended to read as follows: “Wall assemblies need not extend through attic spaces where the ceiling is protected by not less than 5/8-inch (15.9 mm) Type X gypsum board, an attic draft stop constructed as specified in Section R302.12.1 of this code is provided above and along the wall assembly separating the dwellings and the structural framing supporting the ceiling shall also be protected by not less than 5/8-inch (15.9 mm) Type X gypsum board or equivalent.”

- (20) *Section R302.6 Dwelling/garage fire separation*. Amended to read as follows: “The garage shall be separated from the residence and its attic area by not less than 5/8” Type X gypsum board applied to the garage side. Garages beneath habitable rooms shall be separated from all habitable rooms above by not less than 5/8” Type X gypsum board or equivalent. Where the separation is a floor-ceiling assembly, the structure supporting the separation shall also be protected by not less than 5/8” Type X gypsum board or equivalent. Garages located less than 3’ from a dwelling unit on the same lot shall be protected with not less than 5/8” Type X gypsum board applied to the interior side of exterior walls that are within this area. Openings in these walls

shall be regulated by Section R309.5 of this code.

Exceptions:

1. Garages that are protected with residential or quick response fire sprinklers designed to provide a density of 0.05 gpm/sq. ft. and connected to a sprinkler system compliant with Section P2904.”

- (21) *Table R302.6 Dwelling-Garage Separation.* Amended to read as follows:

TABLE INSET:

SEPARATION	MATERIAL
From the residence and attics	Not less than 5/8-inch Type X gypsum board or equivalent applied to the garage side
From all habitable rooms above the garage	Not less than 5/8-inch Type X gypsum board or equivalent
Structure(s) supporting floor/ceiling assemblies used for separation required by this section	Not less than 5/8-inch Type X gypsum board or equivalent
Garages located less than 3 feet from a dwelling unit on the same lot	Not less than 5/8-inch Type X gypsum board or equivalent applied to the interior side of exterior walls that are within this area

For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm.

- (22) *Section R302.7 Under-stair protection.* Amended to read as follows: “Enclosed space under stairs that is accessed by a door or access panel shall have walls, under-stair surface and any soffits protected on the enclosed side with 5/8-inch (15.9 mm) gypsum board.”

- (23) *Section R302.13 Fire protection of floors.* Amended to read as follows: “Floor assemblies, that are not required elsewhere in this code to be fire-resistance rated, shall be provided with a 5/8-inch (16 mm) gypsum wallboard membrane, 5/8 inch (16 mm) wood structural panel membrane, or equivalent on the underside of the floor framing member. Penetrations or openings for ducts, vents, electrical outlets, lighting, devices, luminaries, wires, speakers, drainage, piping and similar openings or penetrations shall be permitted.

Exceptions:

1. Floor assemblies located directly over a space protected by an automatic sprinkler system in accordance with Section P2904 of this code, NFPA13D, or other approved equivalent sprinkler system.
2. Floor assemblies located directly over a crawl space not intended for storage or for the installation of fuel-fired or electrical powered heating appliances.
3. Portions of floor assemblies shall be permitted to be unprotected where complying with the following:
 - 1.1. The aggregate area of the unprotected portions does not exceed 80 square feet per story
 - 1.2. Fire blocking in accordance with Section R302.11.1 is installed along the perimeter of the unprotected portion to separate the unprotected portion from the remainder of the floor assembly.
4. Wood floor assemblies using dimension lumber or structural composite lumber equal to or greater than 2-inch by 10-inch (50.8 mm by 254 mm)

nominal dimension, or other approved floor assemblies demonstrating equivalent fire performance.”

- (24) Section R309.3 Flood Hazard Areas (Garages and Carports) – Delete in its entirety.
- (25) *Section R309.5 Garages and carports – fire sprinklers.* Deleted in its entirety and replaced with: *Section R309.5 Garages and Carports – Spill Containment.* “The sill of the doors between garages or carports and interior spaces of the home shall be raised not less than four (4) inches above the garage or carport floor.”
- (26) *Section 310.1 Emergency escape and rescue openings deleted in its entirety and replaced with: Section 310.1 Emergency escape and rescue openings* Basements, habitable attics and every sleeping room shall have not less than one operable emergency escape and rescue opening. Where basements contain one or more sleeping rooms, an emergency escape and rescue opening shall be required in each sleeping room. Where basements exceed 2,000 square feet and in addition to the required bedroom emergency escape and rescue openings, an emergency escape and rescue opening shall be required in the common area of the basement. Emergency escape and rescue openings shall open directly into a public way, or to a yard or court having a minimum width of 36 inches (914 mm) that opens to a public way.

Exceptions:

- 1. Storm shelters and basements used only to house mechanical equipment not exceeding a total floor area of 200 square feet (18.58 m²).
 - 2. A yard shall not be required to open directly into a public way where the yard opens to an unobstructed path from the yard to the public way. Such path shall have a width of not less than 36 inches (914 mm).
- (27) *Section R310.2.1 Minimum opening area (Emergency Escape and Rescue Openings)* – Replace Title to “Minimum Clear Opening Area, Clear Width and Clear Height.” Amended to read as follows: Emergency escape and rescue openings shall have a net clear opening of not less than 5.7 square feet (0.530 m²). The net clear opening dimensions required by this section shall be obtained by the normal operation of the emergency escape and rescue opening from the inside. The net clear height of the opening shall be not less than 24 inches (610 mm) and the net clear width shall be not less than 20 inches (508 mm).

Exceptions:

- 1. Grade floor openings or below-grade openings shall have a net clear opening area of not less than 5 square feet (0.465 m²).
 - 2. Additions and remodeling with a ceiling height of eight (8) feet or less, may be provided with emergency escape and rescue openings with a minimum net clear opening of 5.0 square feet.
 - 3. Additions and remodeling with a ceiling height of eight (8) feet or less, may be provided with emergency escape and rescue openings with a minimum net clear height of twenty-two (22) inches.
- (28) *Section R310.5 Replacement windows.* Amend by replacing the Title to “Replacement window in existing openings”.
- (29) *Section 314 Smoke Alarms.* Amend by replacing the Title to “Smoke Alarms/ Heat Detectors”.
- (30) *Section 314.1 General.* Amend by addition the following sentence to the end of the existing sentence “Heat detectors shall comply with NFPA 72 and Section 314.”
- (31) *Section R314.2.1 New Construction.* Amend by replacing the Title to “New Construction – Smoke Alarms”. Code text to remain as published.
- (32) *Section R314.2.2 New Construction.* Amend by adding a new subsection *Section R314.2.2 New Construction - Heat Detection, which reads as follows:* “Heat

detectors shall be provided in attached garages of new construction and garage additions in accordance with this section”.

- (33) *Section R314.2.2 Alterations, repairs and additions.* Re-number section to *Section R314.2.3. Alterations, repairs and additions.* Amended by adding the following sentence to the end of the paragraph: “Wireless service must be Bluetooth and not Wi-Fi in order to limit service interruptions. Individual conditions to be reviewed by the inspector on the job.”
- (34) *Section R314.3 Location.* Amend by introducing a title heading only as follows:
- (35) *Section R314.3 Location.* Amend by renumbering this section and replacing the Title with “Section R314.3.1 Location – Smoke Alarms New Construction – Smoke Alarms”. Code text to remain.
- (36) *Section R314.3 Location.* Amend by adding a new subsection “Section R314.3.2 Location – Heat Detectors – Additions of Garages of New Construction” which reads as follows: “Heat detectors shall be provided in attached garages of new construction and garage additions in accordance with this section”.
- (37) *Section R314.3.1 Installation near cooking appliances.* Re-number section to *Section R314.3.3. Installation near cooking appliances.* Code text to remain as published.
- (38) *Section R316 Foam plastic.* Amended by adding a new subsection, *R316.9 Weather protection*, which reads as follows: “Insulation shall not be installed until the building envelope has been protected from weather.”
- (39) *Section R320 Accessibility.* Deleted in its entirety.
- (40) *Section R321.3 Elevator and platform lift – accessibility.* Amended to read as follows: “Elevators, Limited Use/ Limited Application Elevators or platform lifts that are part of an accessible route required by Title 71, Part 400 of the Illinois Administrative Code (the “Illinois Accessibility Code”) shall comply with ICC/ ANSI A117.1.”
- (41) *Section R322 Flood Resistant Construction.* Deleted in its entirety.
- (42) *Section R327 Swimming pool, Spa, and hot tubs.* Deleted in its entirety.
- (43) *Section R401.3 Drainage.* Amended to read as follows: “Surface drainage shall be diverted to a storm sewer conveyance or other *approved* point of collection that does not create a hazard in accordance with the requirements of the Village Glenview Engineering Standards Manual or as approved by the building official and Village Engineer.”
- (44) *Section R402.1 Wood foundations.* Deleted in its entirety.
- (45) *Section R403 Footings.* Amended by deleting all references to “wood foundations.”
- (46) *Table R403.1(1), (2), & (3) Minimum Width and Thickness of Concrete Footings* deleted in its entirety and replaced with the following table:

TABLE INSET:

	LOAD-BEARING VALUE OF SOIL (psf)			
	1,500	2,000	3,000	≥4,000
Light-frame construction (inches)				
1-story	20 x 10	20 x 10	20 x 10	20 x 10
2-story	20 x 10	20 x 10	20 x 10	20 x 10
3-story	20 x 10	20 x 10	20 x 10	20 x 10
Light-frame construction with brick veneer (inches)				
1-story	22 x 10	20 x 10	20 x 10	20 x 10
2-story	27 x 10	21 x 10	20 x 10	20 x 10
3-story	33 x 11	24 x 10	20 x 10	20 x 10
Cast-in-place concrete or fully grouted masonry wall construction (inches)				

	LOAD-BEARING VALUE OF SOIL (psf)			
	1,500	2,000	3,000	≥4,000
1-story	26 x 10	20 x 10	20 x 10	20 x 10
2-story	36 x 13	27 x 10	20 x 10	20 x 10
3-story	44 x 17	33 x 12	22 x 10	20 x 10

- (47) *Figure R403.1 (1) Concrete and Masonry Foundation Details.* Amended by including the following statement: “Monolithic trench thickened slabs are allowed for detached structures. Monolithic trench thickened slabs for detached structure shall be a minimum of 10 inches deep and 20 inches wide. Attached structures may be constructed with a monolithic trench footing of not less than 16 inches wide or a bell footing of 12 inches increasing to 20 inches at the base, to a depth of 42 inches below grade. Screened porch or roofed-over porch footings may be designed as individual pier footings, but, shall be sized to support the imposed loads and extend to the minimum frost depth dimension of 42 inches below grade. Porches with glazed panels or windows, such as three season rooms, shall be supported on a full footing and foundation.”
- (48) *R403.1.1 Minimum size.* Amended to read as follows: “Minimum sizes for concrete and masonry footings shall be as set forth in amended Table R403.1(1) thru R403.1(3) and Figure R403.1(1) or R403.1.3 of this code. The footing width, W, shall be based on the load-bearing value of the soil in accordance with Table R401.4.1. Spread footings shall be at least ten (10) inches (203 mm) in thickness, T, for light-frame construction and 10 inches (254 mm) in thickness, T, for light-frame construction with brick veneer construction. Footing projections, P, shall be at least two (2) inches (51 mm) and shall not exceed the thickness of the footing. The size of footings supporting piers and columns shall be based on the tributary load and allowable soil pressure in accordance with Table R401.4.1 of this code. Column footings shall have a minimum area of 6.25 sq. ft. and a minimum depth of 12 inches. Footings for precast foundations shall be in accordance with Section R403.4.”
- (49) *Section 403.1.4.1 Frost protection (Minimum Depth Footings).* Amended by deleting exception no. 2 and re-numbering no. 3 and 4 to nos. 2 and 3 respectively.
- (50) *Section R403.3 Frost-protected shallow foundations.* Deleted in its entirety.
- (51) *Section 404.1.8 Rubble stone masonry.* Deleted in its entirety.
- (52) *Table 404.1.2(1) Minimum Horizontal Reinforcement for Concrete Basement Walls.* Amended to read as follows:

MAXIMUM UNSUPPORTED HEIGHT OF BASEMENT WALL (feet)	LOCATION OF HORIZTONTAL REINFORCEMENT
≤8	Two No. 5 bars within 12 inches of the top and bottom of the wall story and one No. 4 bar near mid-height of the wall story.
>8	Two No. 5 bars within 12 inches of the top and bottom of the wall story and on No. 4 bar near third points in the wall story.

- (53) *Section 404.2 Wood foundation walls.* Deleted in its entirety.
- (54) *Section 404.1.3.3.7 Reinforcement.* Amended by adding new subsection, *R404.1.2.3.7.9 Steel dowel bars*, which reads as follows: “Provide steel dowel bar anchorage for porch and terrace slabs, concrete or masonry steps and concrete area

wells which adjoin foundation walls. For shallow foundations adjacent to a basement and for attached garages, embed four ½-inch round hooked bars, four feet long, into the main wall, two near the top, and two near the bottom of the attached wall. For intersecting walls of

additions to existing structures, provide ½-inch round bars, 24 inches long, spaced 18 inches on center vertically and embedded not less than 4 inches.”

(55) *Section R405.2 Wood foundations.* Deleted in its entirety.

(56) *Section R406.3 Dampproofing for wood foundations.* Deleted in its entirety.

(57) *Section R504 Pressure Preservative-Treated Wood Floors (On Ground).* Deleted in its entirety.

(58) *Section R506.2.3 Vapor retarder.* Exception Number 1 is amended to read as follows: “Detached garages, utility building and other unheated accessory structures.”

(59) *Section R507.1 Decks.* Deleted in its entirety and replaced with Wood-framed decks shall be in accordance with this section. For decks using materials and conditions not prescribed in this section, refer to Section R301.

(60) *Section R507.3 Footings.* Deleted in its entirety and replaced with Decks shall be supported on concrete footings or other approved structural systems designed to accommodate all loads in accordance with Section R301. Deck footings shall be sized to carry the imposed loads from the deck structure to the ground as shown in Figure R507.3. The footing depth shall be in accordance with Section R403.1.4.

Exception: Free-standing decks consisting of joists directly supported on grade over their entire length.

(61) *Section R602.10.4.3 Braced wall panel interior finish material.* Amended to read as follows: “Braced wall panels shall have gypsum wall board installed on the side of the wall opposite the bracing material. Gypsum wall board shall be not less than 5/8 inch (16mm) in thickness and be fastened with nails or screws in accordance with Table R602.3(1) for exterior sheathing or Table R702.3.5 for interior gypsum wall board. Spacing of fasteners at panel edges for gypsum wall board opposite Method LIB bracing shall not exceed 8 inches (203 mm). Interior finish material shall not be glued in Seismic Design Categories D0, D1 and D2.

Exceptions:

1. Interior finish material is not required opposite wall panels that are braced in accordance with Methods GB, BV-WSP, ABW, PFH, PFG and CS-PF, unless otherwise required by Section R302.6.
2. An approved interior finish material with an in-plane shear resistance equivalent to gypsum board shall be permitted to be substituted, unless otherwise required by Section R302.6.
3. Except for Method LIB, gypsum wall board is permitted to be omitted provided the required length of bracing in Tables R602.10.3(1) and R602.10.3(3) is multiplied by the appropriate adjustment factor in Tables R602.10.3(2) and R602.10.3(4) respectively, unless otherwise required by Section R302.6.

(62) *Table R702.3.5 Minimum Thickness and Application of Gypsum Board and Gypsum Panel Products.* Amended to read as follows:

Thickness of Gypsum Board or Gypsum Panel Products (inches)	Application	Orientation of Gypsum Board or Gypsum Panel Products to Framing	Maximum Spacing of Framing Members (inches o.c.)	Maximum Spacing of Fasteners (inches)		Size of Nails for Application to Wood Framing ^c
				Nails a	Screws b	
Application without adhesive						
5/8	Ceiling	Either direction	16	7	12	13 gage, 1 5/8” long, 19/64” head; 0.098” diameter, 1 3/8” long, annular-ringed; 6d cooler nail, 0.092” diameter, 1 7/8” long, ¼” head; or gypsum board nail, 0.0915” diameter, 1 7/8” long, 19/64” head.
	Ceiling	Perpendicular	24	7	12	
	Type X at garage ceiling beneath habitable rooms	Perpendicular	24	6	6	1 7/8“ long 6d coated nails or equivalent drywall screw. Screws shall comply with Section R702.3.5.1.
	Wall	Either direction	24	8	12	13 gage, 1 5/8” long, 19/64” head; 0.098” diameter, 1 3/8” long, annular-ringed; 6d cooler nail, 0.092” diameter, 1 7/8” long, ¼” head; or gypsum board nail, 0.0915” diameter, 1 7/8” long, 19/64” head.
	Wall	Either direction	16	8	16	
Application with adhesive						
5/8	Ceiling	Either direction	16	16	16	Same as above for 5/8” gypsum board and gypsum panel products, respectively
	Ceiling ^d	Perpendicular	24	12	16	
	Wall	Either direction	24	16	24	

For SI: 1 inch = 25.4 mm

- For application without adhesive, a pair of nails spaced not less than 2 inches apart or more than 2 1/2 inches apart shall be permitted to be used with the pair of nails spaced 12 inches on center.
- Screws shall be in accordance with Section R702.3.5.1 of this code. Screws for attaching gypsum board or gypsum panel products to structural insulated panels shall

penetrate the wood structural panel facing not less than $\frac{7}{16}$ inch.

- c. Where cold-formed steel framing is used with a clinching design to receive nails by two edges of metal, the nails shall be not less than $\frac{5}{8}$ inch longer than the gypsum board or gypsum panel product thickness and shall have ringed shanks. Where the cold-formed steel framing has a nailing groove formed to receive the nails, the nails shall have barbed shanks or be 6d, 13 gage, $1\frac{7}{8}$ inches long, $\frac{15}{64}$ -inch head for $\frac{5}{8}$ -inch gypsum board or gypsum panel products.
- d. On ceiling installations to receive a water-based texture material, either by hand or spray applied, the gypsum board or gypsum panel product shall be applied perpendicular to framing.

(63) *Table R702.3.6 Shear Capacity for Horizontal Wood-framed Gypsum Board Diaphragm Ceiling Assemblies.* Amended to read as follows:

MATERIAL	THICKNESS OF MATERIAL (min.) (inch)	SPACING OF FRAMING MEMBERS (max.) (inch)	SHEAR VALUE^{a,b} (plf of ceiling)	MINIMUM FASTENER SIZE^{c, d}
Gypsum board or gypsum panel products	5/8	16 o.c.	90	6d cooler or wallboard nail; 1 7/8-inch long; 0.092-inch shank; 1/4-inch head
Gypsum board or gypsum panel products	5/8	24 o.c.	70	6d cooler or wallboard nail; 1 7/8-inch long; 0.092-inch shank; 1/4-inch head

For SI: 1 inch = 25.4 mm, 1 pound per linear foot = 1.488 kg/m.

- a. Values are not cumulative with other horizontal diaphragm values and are for short-term loading caused by wind or seismic loading. Values shall be reduced 25 percent for normal loading.
- b. Values shall be reduced 50 percent in Seismic Design Categories D0, D1, D2 and E.
- c. $1\frac{1}{4}$ -inch, #6 Type S or W screws shall be permitted to may be substituted for the listed nails.
- d. Fasteners shall be spaced not more than 7 inches on center at all supports, including perimeter blocking, and not less than $\frac{3}{8}$ inch from the edges and ends of the gypsum board.

(64) *Section R702.3.7 Water-resistant gypsum backing board.* Amended to read as follows: "Gypsum board used as the base or backer for adhesive application of ceramic tile or other required nonabsorbent finish material shall conform to ASTM C 1178, C 1278 or C 1396. Use of water-resistant gypsum backing board shall be permitted on ceilings where framing spacing does not exceed sixteen (16) inches (406 mm) for 5/8-inch thick (16mm) gypsum board. Water-resistant gypsum board shall not be installed over a Class I or II vapor retarder in a shower or tub compartment. Cut or exposed edges, including those at wall intersections, shall be sealed as recommended by the manufacturer.

R702.3.7.1 Limitations. Water-resistant gypsum backing board shall not be used where there will be direct exposure to water, or in areas subject to continuous high humidity."

(65) *Section R703.9 Exterior insulation and finish system (EIFS)/EIFS with drainage.*

Replace

the title with “Exterior insulation and finish system (EIFS) with drainage.

Amended the section as follows; “Exterior insulation finishing systems (EIFS) must be drainable systems. Exterior insulation and finishing systems with drainage shall comply with new renumbered Section R703.9.1.” (see below).

Section R703.9.1 Exterior insulation and finish system (EIFS). – Delete this section in its entirety.

Section R703.9.2 Exterior insulation and finish system (EIFS) with drainage. Amend this Section by renumbering it as R703.9.1.

(66) *Chapter 11 – Energy Efficiency.* Deleted in its entirety and replaced with the current State of Illinois mandated edition of the International Energy Conservation Code.

(67) *Chapter 25 – Plumbing Administration; Chapter 26 – General Plumbing Requirements; Chapter 27 – Plumbing Fixtures, Chapter 28 – Water Heaters.* Deleted in their entirety and replaced with the provisions of Title 77, Part 890 of the Illinois Administrative Code (the “Illinois Plumbing Code”) amended per Glenview Ordinance No. 5928 shall apply.

(68) *Chapter 29 – Water Supply and Distribution.* Sections P2901 through P2903 and Sections P2905 through P2913 are deleted in their entirety and replaced with the provisions of Title 77, Part 890 of the Illinois Administrative Code (the “Illinois Plumbing Code”) amended per Glenview Ordinance No. 5928 apply.

(69) *Section P2904.1.1 – Required sprinkler locations.* Amended to read as follows: “Sprinklers shall be installed to protect all areas of a dwelling unit.

Exceptions:

- A. When solid dimensional lumber is used to construct the floor-framing systems (i.e. 2”x members);
- B. When type X 5/8” gypsum board is used to protect non-dimensional engineered floor systems (i.e. end-jointed lumber, prefabricated wood I- joists, structural composite lumber, or other non-dimensional floor framing products) throughout the home; or
- C. When non-dimensional floor members (i.e. end-jointed lumber, prefabricated wood I-joists, structural composite lumber, or other non- dimensional floor framing products) are protected with an approved intumescent paint product.

Exceptions A, B, and C shall not apply to additions to an existing building where it is currently equipped with a fire sprinkler.

When the requirements of Exceptions A, B or C, above, are not chosen, sprinklers are required to protect all areas of a dwelling unit, except as follows:

1. Attics, crawl spaces and normally unoccupied concealed spaces that do not contain fuel-fired appliances do not require sprinklers. In attics, crawl spaces and normally unoccupied concealed spaces that contain fuel-fired equipment, a sprinkler shall be installed above the equipment; however, sprinklers shall not be required in the remainder of the space.
2. Clothes closets, linen closets and pantries not exceeding 24 square feet (2.2 m²) in area, with the smallest dimension not greater than 3 feet (915 mm) and having wall and ceiling surfaces of gypsum board.
3. Bathrooms not more than 55 square feet (5.1 m²) in area.
4. Other areas:
 - a. Single Family Detached only - Garages; carports; exterior porches; unheated entry areas, such as mud room, that are adjacent to an exterior door; and similar areas.
 - b. For Attached Single Family Townhomes and Group Homes, protected

areas per requirements of NFPA 13D. NFPA 13D fire sprinkler systems shall have dry head coverage in the garage. CPVC shall not be permitted to be exposed.”

- (70) *Section P2904.2.3 – Freezing areas.* Amend the first sentence to read as follows; “Piping shall be protected from freezing per NFPA 13 D Section 8.3.2.”
- (71) *Section P2904.8 Inspections No. 8* Amend this section by adding this sentence to the end of the paragraph; “The piping system is tested per NFPA 13 D Chapter 4 General Requirements.”
- (72) *Chapter 30 – Sanitary Drainage; through Chapter 33 – Storm Drainage.* Deleted in their entirety and replaced with the provisions of Title 77, Part 890 of the Illinois Administrative Code (the “Illinois Plumbing Code”) amended per Glenview Ordinance No. 5928 shall apply.
- (73) *Chapter 34 – General Requirements through Chapter 40 – Devices and Luminaries.* Deleted in their entirety and replaced with the provisions of the National Electric Code as adopted by the Village of Glenview.
- (74) *Chapter 42 – Swimming Pools.* Delete this Section in its entirety.
- (75) *Chapter 43 – Class 2 Remote-control, signaling and power-limited circuits.* Delete this Section in its entirety.
- (76) *Chapter 44 – Referenced Standards.* The text under the heading “NFPA” is amended to read as follows: “Pursuant to the Village’s home rule authority, the following National Fire Protection Association (NFPA) Codes and Standards are adopted by reference and supersede those codes and standards listed in Chapter 44 of this code.
 - 1. NFPA 13 2016 Edition: Standard for the Installation of Sprinkler Systems
 - 2. NFPA 13D 2016 Edition: Standard for the Installation of Sprinkler Systems in One- and Two-Family Dwellings and Manufactured Homes
 - 3. NFPA 20 2016 PER IFC Edition: Standard for the Installation of Stationary Fire Pumps
 - 4. NFPA 31 2016 Edition: Installation of Oil-burning Equipment
 - 5. NFPA 58 2017 Edition: Liquefied Petroleum Gas Code
 - 6. NFPA 70 2011 Edition: National Electrical Code
 - 7. NFPA 72 2016 Edition: National Fire Alarm Code
 - 8. NFPA 85 2015 Edition: Boiler and Construction Systems Hazards Code
 - 9. NFPA 211 2016 Edition: Chimneys, Fireplaces, Vents and Solid Fuel Burning Appliances
 - 10. NFPA 259 2018 Edition: Test Method for Potential Heat of Building Materials
 - 11. NFPA 275 2017 Edition: Standard Method of Fire Tests for the Evaluation of Thermal Barriers Used Over Foam Plastic Insulation
 - 12. NFPA 286 2015 Edition: Standard Methods of Fire Tests for Evaluating Contribution of Wall and Ceiling Interior Finish to Room Fire Growth
 - 13. NFPA 501 2017 Edition: Standard on Manufactured Housing
 - 14. NFPA 720 2015 Edition: Standard for the Installation of Carbon Monoxide (CO) Detectors and Warning Equipment
 - 15. NFPA 853 2015 Edition: Standard for the Installation of Stationary Fuel Cell Power Systems”
- (77) *Appendices.* The following appendices are adopted in their entirety - If there is a discrepancy between the code and the appendix, the code will govern:
 - Appendix AA: Sizing and Capacities of Gas Piping
 - Appendix AB: Sizing of Venting Systems Serving Appliances Equipped with Draft Hoods, Category I Appliances, and Appliances Listed for Use with Type B Vents

Appendix AC: Exit Terminals of Mechanical Draft and Direct-vent Venting Systems
Appendix AD: Recommended Procedure for Safety Inspection of an Existing Appliance Installation
Appendix AE: Manufactured Housing Used as Dwellings
Appendix AF: Radon Control Methods Appendix AO: Automatic Vehicular Gates

Section 4: Section 18-192 of Chapter 18, Article III of the Code, is deleted in its entirety and replaced with the following new Section 18-192:

Sec. 18-192. - International Building Code.

Section 18-192. International Code Council (ICC) International Building Code adopted; amendments.

The 2021 edition of the ICC International Building Code is hereby adopted for all construction other than one- and two-family dwellings and multiple single-family dwellings (townhomes) with the following amendments:

- (1) *Section 101.1 Title.* Amended to read as follows: “These provisions shall be known as the Building Code of the Village of Glenview, Cook County, Illinois (the “Village”), hereinafter referred to as ‘this code.’”
- (2) *Section 101.4.3 Plumbing.* Amended to read as follows: “The provisions of Title 77, Part 890 of the Illinois Administrative Code (the “Illinois Plumbing Code”) shall apply to the installation, alteration, repair and replacement of plumbing systems, including equipment, appliances, fixtures, fittings and appurtenances, and where connected to a water or sewage system and all aspects of a medical gas system. The provisions of the Illinois Plumbing Code shall apply to private sewage disposal systems.”
- (3) *Section 102.4. Referenced codes and standards.* Amended to read as follows: “The codes and standards referenced in this code shall be considered part of the requirements of this code to the prescribed extent of each such reference. Where differences occur between the provisions of this code and referenced standards, the provisions of this code shall apply. The following codes and standards are not adopted by reference and thus are not considered part of the requirements of this code:
IPC 2021 International Plumbing Code
IPSDC 2021 International Private Sewage Disposal Code IZC 2021 International Zoning Code
IWUIC 2021 International Wildland-Urban Interface Code ISPSC 2021 International Swimming Pool and Spa Code”
- (4) *Section 105.2 Work exempt from permit.* Deleted in its entirety.
- (5) *Section R105.3.2 Time limit of application.* Delete in its entirety. Refer to Glenview Municipal Code – Division 5 Section 18-143 and Section 54-2.
- (6) *Section R105.5 Expiration.* Delete in its entirety. Refer to Glenview Municipal Code – Division 5 Section 18-143 and Section 54-2.
- (7) *Section 107.2.6 Site plan.* Amended by adding a new subsection, 107.2.6.2. *Compliance with site plan*, which reads as follows: “It shall be the responsibility of the builder/developer to submit to the Village’s Community Development Department a spot survey prepared by a Registered Land Surveyor after the foundation is installed. This survey must be at a scale of not less than one inch equal to thirty feet (1” = 30’). The survey must also indicate the elevation above sea level of the top of foundation wall and the top of the curb and sidewalk at lot lines extended relative to a United State

Geological Survey benchmark. No construction will be allowed to proceed except for decking, underground sewer and water, and related items until the spot survey is approved by the Village's Community Development Department. This section applies to principal structures generally, but may apply to additions or accessory structures if, in the opinion of the Village's Inspectional Services Manager or his designee, it is necessary to confirm compliance."

- (8) *Section 114.4. Violation penalties.* Amended by adding a new subsection, *114.4.1 Fines*, which reads as follows: "Penalties shall be as provided in Section 1-16 of the Glenview Municipal Code for any given offense or as determined by the Judge in the Administrative Adjudication Process."
- (9) *Section 202 Definitions – Fire Alarm Control Unit.* Amended to read as follows: "**Fire Alarm Control Unit.** A system component that receives inputs from automatic and manual fire alarm devices and may be capable of supplying power to detection devices and transponders or off-premises transmitters. The control unit is capable of providing a transfer of power to the notification appliances and transfer of conditions to relays or devices. The control unit shall be used for the fire alarm only."
- (10) *Section 202 Definitions – Fire Area.* Amended to read as follows: "**Fire Area.** The aggregate floor area bounded by the exterior walls of a building; regardless of fire walls, fire barriers, or fire resistant-rated horizontal assemblies."
- (11) *Section 406.3.4 Separation.* Requirement No. 3 is amended to read as follows: "3. A separation is not required between a Group R-3 and U carport, provided the carport is entirely open on two or more sides and there are not enclosed areas above. Attached private garages shall be completely separated from adjacent tenant vehicle spaces by means of a floor to rated ceiling partition or by a partition extending to the underside of the roof deck. All interior combustible framing shall be covered with 5/8" Type X gypsum board or the equivalent.
Exceptions:
 1. Garages of Type 1 or 2 construction.
 2. Fully sprinkled garages complying with NFPA 13."
- (12) *Section 406.6 Enclosed parking garages.* Amended by adding a new subsection, *406.6.4 Separation*, which reads as follows: "Adjacent tenant vehicle spaces in public garages shall be completely separated by means of a floor to rated ceiling partition or by a partition extending to the underside of the roof deck. All interior combustible framing shall be covered with 5/8" Type X gypsum board of the equivalent.
Exceptions:
 1. Garages of Type 1 or 2 construction.
 2. Fully sprinkled garages complying with NFPA 13."
- (13) *Section 415.9.3 Dry cleaning plants.* Amended to read as follows: "The construction and installation of dry cleaning plants shall be in accordance with the requirements of this code, the ICC International Mechanical Code, the Illinois Plumbing Code and NFPA 32. Dry cleaning solvents shall be classified in accordance with the ICC International Fire Code."
- (14) *Section 502.1 Address Identification.* Amended to read as follows: "New and existing buildings shall be provided with *approved* address identification. The address identification shall be legible and placed in a position that is visible from the public right of way. Address identification characters shall contrast with their background. Address numbers shall be Arabic numerals of at least 6 inches (152 mm) in height with one inch (25 mm) stroke. Where required by the *fire code official*, address identification shall be provided in additional *approved* locations to facilitate emergency response. Where access is by means of a private road and the building

- cannot be viewed from the *public way*, a monument, pole, or other sign or means shall be used to identify the structure. Address identification shall be maintained.”
- (15) *Section 603.1.2 Piping*. Amended to read as follows: “The use of combustible piping materials shall be permitted when installed in accordance with the provisions of the ICC International Mechanical Code and the Illinois Plumbing Code.”
- (16) *Section 708.6 Openings*. Amended by adding a new subsection, *708.6.1 Closing device*, which reads as follows: “The exit access door for each dwelling unit shall be equipped with an approved self-closing device.”
- (17) *Section 902 Fire Pump and Riser Room Size*. Amended to read as follows: “A room containing the automatic fire sprinkler system riser valve and/or a fire pump shall be provided in new buildings or additions to buildings with new or existing fire sprinklers. Fire pump and *automatic sprinkler system* riser rooms shall be designed with adequate space for all equipment necessary for the installation, as defined by the manufacturer, with sufficient working room around stationary equipment. Clearance around equipment to elements of permanent construction, including other installed equipment and appliances, shall be sufficient to allow inspection, service, repair, or replacement without removing such elements of permanent construction or disabling the function of a required fire-resistance-rated assembly and meet the requirements of NFPA 70. Fire pump and *automatic sprinkler system* riser rooms shall be provided with doors and unobstructed passageways large enough to allow removal of the largest piece of equipment.”
- (18) *Section 902.1.1 Access*. Amended to read as follows: “Rooms or spaces containing an automatic sprinkler system riser valve and/or a fire pump shall be provided with direct access from the exterior of the building or structure. Access shall be provided by a key storage box with door keys as determined by the Authority Having Jurisdiction.”
- (19) *Section 903.2 Where required*. Amended to read as follows: “Section 903.2 Where required. Approved automatic sprinkler systems in new buildings and structures, additions to existing buildings equipped with existing sprinklers and required as to be retrofitted in existing buildings shall be provided as required in Sections 903.2.1 and 903.2.2 as amended below.”
- (20) *Section 903.2 Where required*. Amended to read as follows: “Approved automatic fire sprinkler systems shall be installed in all new buildings regardless of materials used in construction and / or use group classification. Automatic fire suppression systems shall comply with the 2019 edition of the NFPA Standards.

Exceptions:

1. Detached accessory building with an intended use that is incidental to that primary building on the same lot of record as a detached one-family dwelling. Detached accessory buildings shall include, but not be limited to, detached garages, storage sheds, and animal habitats.
2. Detached accessory buildings with an intended use that is incidental to that of the primary building on the same lot of record where the primary building is classified as a Use Group B, F, I, M, S, and U that are less than 250 square feet in size. This exception shall not apply if the horizontal separation between the accessory building is less than 25 feet from any other building or accessory building and/or structure is used for the following hazardous materials:
 - a) Flammable and/or combustible liquids classified as Class 1A, 1B, 1C, and 111A and if the combined quantity exceeds 30 gallons.
 - b) Flammable gas if the quantity exceeds 10 gallons and/or 333 cubic feet of gas.
 - c) Corrosives.

- d) Toxic agents.
 - e) Oxidizers classified as Class 2, 3, or 4. Class 1 oxidizers shall not exceed 100 gallons and/or 1,000 pounds.
 - f) Unstable/reactives.
 - g) Water reactives if the quantity exceeds 100 gallons and/or 1,000 pounds.
 - h) Pyrophoric materials (All classifications).
 - i) Organic peroxides (All classifications).
 - j) Explosives (All classifications).
3. Picnic shelters, gazebos, pergolas, and detached public restroom facilities with a minimum horizontal separation of 25 feet from all other buildings. This exception shall not apply if the picnic shelter, gazebo, pergola, or detached public restroom is equipped with a permanent heat-producing appliance that utilizes natural gas and/or propane as a fuel supply or if the detached public restroom facility exceeds a total of 400 square feet in size.
4. In telecommunications equipment buildings, a manual dry fire suppression system shall be installed in those spaces or areas equipped exclusively for telecommunications equipment, association electrical power distribution equipment, batteries and standby engines provided that those spaces or areas are equipped with an automatic fire detection system in accordance with Section 907 and are separated from the remainder of the building wire fire separation assemblies consisting of one- hour fire resistance rated walls and two-hour fire resistance rated floor/ceiling assemblies.
- (21) *Section 903.2 Where required.* Amended by adding a new subsection. 903.2.2 *Existing non-sprinklered buildings – Sprinkler Retro-fit.* which reads as follows:
 Where addition, alterations or remodeling exceed 50% of the replacement cost of the structure, an approved automatic fire sprinkler system shall be installed per the following thresholds or as determined per the International Existing Building Code 2018. Automatic fire suppression systems shall comply with the 2016 edition of the NFPA Standards. For the purpose of this article, replacement costs shall be determined by the latest building valuation data published by the International Code Council.
- Use group R-2 structures (condominiums/ apartments):
 An automatic fire suppression system shall be provided throughout all multiple family buildings containing three or more dwelling units in accordance with NFPA 13R 2016 Edition: Standard for the Installation of Sprinkler Systems in Low-Rise Residential Occupancies.
- Use group R-3 structures (town homes):
 An automatic fire suppression system shall be provided throughout all multiple family buildings containing three or more dwelling units in accordance with NFPA 13D 2016 Edition: Standard for the Installation of Sprinkler Systems in One- and Two-Family Dwellings and Manufactured Homes.
- Use group A-1, A-2, A-3 and A-4 (assembly occupancies):
 An automatic fire suppression system shall be provided throughout all assembly buildings greater than 2,500 square feet in area. The design and installation of the suppression system shall be in accordance with NFPA 13 2016 Edition: Standard for the Installation of Sprinkler Systems.

Use Group B, E, F-1, F-2, H-1, H-2, H-3, H-4, I-1, I-2, I-3, M, S-1, S-2 and U (business, educational, factory, hospital, institutional, mercantile, storage and utility):

An automatic fire suppression system shall be installed throughout all buildings referenced herein where the size is greater than 5,000 square feet in area. The design and installation of the suppression system shall be in accordance with NFPA 13 2016 Edition: Standard for the Installation of Sprinkler Systems.

- (22) *Sections 903.2.1 through 903.2.11 Where required.* Deleted in their entirety.
- (23) *Section 903.2.12 During construction.* Renumbered as Section 903.2.1.
- (24) *Section 903.3.1.3.1 NFPA13 D sprinkler systems.* Amended by adding a new subsection, *903.3.1.3.1 Additional requirements*, which reads as follows: “NFPA 13D fire sprinkler systems shall have dry head coverage in the garage. CPVC shall not be permitted to be exposed.
- (25) *Section 903.3.5 Water supplies.* Amended to read as follows: “Water supplies for automatic sprinkler systems shall comply with this section and the standards referenced in Section 903.3.1 of this code. The potable water supply shall be protected against backflow in accordance with the requirements of this section and the Illinois Plumbing Code. Hydrant flow data used for the design of any sprinkler system shall be no more than one (1) year old.”
- (26) *Section 903.3.5. Water supplies.* Amended by adding a new subsection, *903.3.5.3 Low water pressure factor*, which reads as follows: “Provide a minimum ten percent (10%), but not less than five (5) psi, safety factor in the fire protection system hydraulic calculation. The system demand shall be a minimum 5 psi below the annual water flow test supply.”
- (27) *Section 903.4.2 Alarms.* Amended by adding a new subsection, *903.4.2.1 Additional alarm location*, which reads as follows: “A weatherproof visual strobe activated by water flow shall be provided on the exterior of the building or structure and located over the fire department connection or in a location approved by the authority having jurisdiction.”
- (28) *Section 903.4.2 Alarms.* Amended by adding a new subsection, *903.4.2.2 Location*, which reads as follows: “Alarm notification appliance and approved audio/visual devices shall be provided and located per NFPA 72. Automatic fire alarm systems shall comply with the 2019 edition of the NFPA 72 Standard.”
- (29) *Section 903.4.3 Floor control valves.* Amended to read as follows: “Approved supervised indicating control valves shall be provided at the point of connection to the riser on each floor of the building or structure.”
- (30) *Section 903.5 Testing and maintenance.* Amended by adding a new subsection, *903.5.1 Accessibility*, which reads as follows: “Fire sprinkler systems’ inspection test valves shall be accessible at all times and located no more than six (6) feet above the finished floor surface. On multiple riser systems test valves shall be clearly identified in permanent marking as to the riser and area served.”
- (31) *Section 903.5 Testing and maintenance (Automatic Sprinkler Systems).* Amended by adding a new subsection, *903.5.2 Required documentation.*, which reads as follows: “All required documentation regarding the design and procedures for maintenance, inspection, and testing of fire protection systems, including fire protection submittal documents, shall be maintained in a secured location on the premises approved by the code official for the life of the fire protection systems. Inspection, testing and maintenance shall be performed in accordance with NFPA 25. Ongoing system testing reports must be submitted to and through the Village’s third-party portal or per Authority Having Jurisdiction.”
- (32) *Section 903 Automatic Sprinkler Systems.* Amended by adding a new subsection, *903.6. Fire pump test header*, which reads as follows: “Automatic sprinkler systems that are equipped with an approved fire pump shall be provided with an OS&Y (or

approved equal) control valve on the fire pump test header(s). Fire pump installations shall include an exterior test header.”

- (33) *Section 903 Automatic Sprinkler Systems.* Amend by adding a new subsection, 903.7 *Private fire hydrants*, which reads as follows: “In developed lots, subdivisions or parcels except R-3 occupancies, fire hydrants shall be located no more than three hundred (300) feet apart. Fire hydrants shall be provided on all sides of a developed lot, subdivision or parcel except R-3 occupancies as approved by the authority having jurisdiction. One (1) fire hydrant shall be located not more than 100 feet from the fire department connection on the fire protection water supply to the building or structure.”
- (34) *Section 903 Automatic Sprinkler Systems.* Amended by adding a new subsection, 903.9 *Warehouse storage*, which reads as follows: “A two and one-half (2 ½) inch fire hose valve with a one and one-half (1 ½) inch reducer to a one and one-half (1 ½) inch connection shall be provided at each means of egress to warehouse storage areas greater than 20,000 square feet in which storage exceeds twelve (12) feet in height. The two and one-half (2 ½) inch fire hose valve(s) shall be installed on a separate riser piping system and shall be provided with a four (4) inch water supply and a two and one-half (2 ½) inch brand water supplies. Each two and one-half (2 ½) inch fire hose valve shall be installed so no distance from the nearest two and one-half (2 ½) inch fire hose valve is greater than 120 feet.”
- (35) *Section 905.3.1 Standpipe Systems.* Line 1 to be deleted and replaced with: *Three story buildings or buildings over 150 ft. in any footprint dimension*, which reads as follows: “Any building that has two (2) stories or more above lowest level of fire department access, and/ or has any horizontal dimension exceeding 150 feet between exterior walls, shall be equipped with an automatic standpipe system designed and installed in accordance with NFPA standard 14 for Class 1 automatic standpipe and hose systems as defined therein. A fire pump is required. Manual and Dry standpipe systems are prohibited unless written approval is received from the Fire Code Official or his /her designee as arranged prior to construction permit issuance of the fire sprinkler system. The maximum distance from any remote location on any floor to a hose valve connection shall be 150 ft.”
- (36) *Section 907.2 Where required – new buildings and structures.* Deleted in its entirety and replaced with the following, 907.2 *Where required– New and existing structures and buildings*: “An approved manual, automatic or combination manual and automatic fire alarm monitored system in accordance with the provision of this code and NFPA 72 shall be provided in new buildings and structures in all use groups.

Exceptions:

1. One- and two-family dwelling units.
2. In existing residential multi-family use groups, initiating and notification devices required by NFPA 72 may be omitted from within the dwelling unit provided that such devices located within the adjacent common areas “outside the dwelling unit” shall provide an audible level acceptable to the fire marshal.”

907.1.4 Fire alarm and detection systems – requirement. Fire Alarm Control Units shall be configured to be silenced with a key and no other method.

907.2.6 Fire alarm and detection systems – Group I occupancies. A manual fire alarm system shall be installed in Group I occupancies. An electrically supervised, automatic smoke detection system shall be provided in accordance with Sections 907.2.2.1, 907.2.2.2, and 907.2.2.3 of this code.

Exception: Manual fire alarm boxes in resident or patient sleeping areas of Group I-1 and I-2 occupancies shall not be required at exits located at all nurse’s control stations

or other constantly attended staff locations, provided such stations are visible and continuously accessible and that travel distances required in Section 903.7.1 of this code are not exceeded.

907.2.2.1. *Group I-1.* Corridors, habitable spaces other than sleeping units and kitchens and waiting areas that are open to corridors shall be equipped with an automatic smoke detection system.

Exceptions:

1. Smoke detection in habitable spaces is not required where the facility is equipped throughout with an automatic sprinkler system.
2. Smoke detection is not required for exterior balconies.

907.2.2.2. *Group I-2.* Corridors in nursing homes (both intermediate care and skilled nursing facilities), detoxification facilities and spaces permitted to be open to the corridors by Section 407.2 of this code shall be equipped with an automatic fire detection system. Hospital shall be equipped with smoke detection as required in Section 407.2 of this code.

Exceptions:

1. Corridor smoke detection is not required in smoke compartments that contain patient sleeping units where patient sleeping units are provided with smoke detectors that comply with UL268. Such detectors shall be provided a visual display on the corridor side of each patient sleeping unit and an audible and visual alarm at the nursing station attending each unit.
2. Corridor smoke detection is not required in smoke compartments that contain patient sleeping units where patient sleeping unit doors are equipped with automatic door-closing devices with integral smoke detectors on the unit sides installed in accordance with their listing, provided that the integral detectors perform the required alerting function.

907.2.2.3. *Group I-3.* Group I-3 occupancies shall be equipped with a manual and automatic fire alarm system install for alerting staff.

907.2.2.3.1 *System initiation.* Actuation of an automatic fire-extinguishing system, a manual fire alarm box or a fire detector shall initiate an approved fire alarm signal which automatically notifies staff. Pre-signal systems shall not be used.

907.2.2.3.2 *Manual fire alarm boxes.* Manual fire alarm boxes are not required to be located in accordance with Section 907.3 of this code where the fire alarm boxes are provided at staff-attended locations having direct supervision over areas where manual fire alarm boxes have been omitted.

Manual fire alarm boxes shall be permitted to be locked in areas occupied by detainees, provided that staff members are present within the subject area and have keys readily available to operate the manual fire alarm boxes.

907.2.2.3.3 *Smoke detectors.* An approved automatic smoke detection system shall be installed throughout resident housing areas, including sleeping units and contiguous day rooms, group activity spaces and other common spaces normally accessible to residents.

Exceptions:

1. Other approved smoke detection arrangements providing equivalent protection including, but not limited to placing detectors in exhaust ducts from cells or behind protective guards listed for the purposed are allowed when necessary to prevent damage or tampering.
2. Sleeping units in Use Condition 2 and 3.
3. Smoke detectors are not required in sleeping units with four or fewer occupants in smoke compartments that are required throughout with an approved automatic sprinkler system.

907.2.3 Automatic fire detection system required. An approved automatic fire detection system shall be installed in all use groups, not provided with an automatic sprinkler system, and in accordance with NFPA 72. Devices, combination of devices, appliances, and equipment shall comply with Section 907.1.2 of this code. The automatic fire detectors shall be smoke detectors, 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. Automatic fire alarm systems shall comply with the 2010 edition of the NFPA 72 Standard.

907.2.4 Control panel locations. All fire alarm control panels of full function annunciator panels shall be installed within ten (10) feet of the main entrance, or in a location approved by the fire code official.

- (37) *Section 907.3 Fire safety functions.* Amended to read as follows: “Automatic fire detectors utilized for the purpose of performing fire safety function shall be connected to the building’s fire alarm control panel where a fire alarm system is required by Section 907.2 of this code.

detectors shall, upon actuation, perform the intended function and activate the alarm notification appliances or a visible and audible supervisory signal at a constantly attended location. The detectors shall be located in accordance with Chapter 5 of NFPA72. Multi-tenant Group M buildings will be activated by individual tenant space by the automatic sprinkler system flow switch for that space or an automatic fire detection system.”

- (38) *Section 907.3.1 Duct smoke detectors.* Amended by adding a subsection, *907.3.1.1 Labeling*, which reads as follows: “Duct detectors shall indicate at the fire alarm control panel as a fire alarm. All duct detectors shall be labeled with the HVAC unit it is associated with and clearly marked on the finished side of the ceiling under the detector or in a location acceptable to the fire code official. Keyed Remote Test Switches shall be located on the wall or column closest to the detector mounted five (5) feet above the floor.”

- (39) *Section 907.2.10 Manual alarms in group S buildings.* Deleted in its entirety.

- (40) *Section 912 Fire department connections.* Amended by adding a new subsection, *912.1.1. Local fire department connections*, which reads as follows: “All fire department connections shall be a NST four- (4) inch, non-swivel Storz connection with a fixed 30- degree downturn and shall be located on the building wall, 24 inches to 42 inches above the finished grade.”

- (41) *Section 1008.2 Illumination required.* Amended to read “The *means of egress* serving a room or a space shall be illuminated at all times that the room or space is occupied. Emergency lighting shall be provided in all locations required by the fire code official, in all occupancies.

Exceptions:

1. Occupancies in Group U.
2. *Aisle accessways* in Group A.
3. *Dwelling Units* and *sleeping units* in Group R-1, R-2 and R-3.
4. *Sleeping units* of Group I occupancies.”

- (42) *Section 1008.3.3 Emergency power for illumination (Rooms and Spaces).* Amended by adding a new line Number 6, which reads as follows: “6. All rooms containing the building sprinkler riser(s), and/ or fire alarm control panel(s).”

- (43) *Section 1009.6 Areas of refuge.* Amended by adding a new subsection, *1007.6.4 Identification*, which reads as follows: “Each door providing access to an area of refuge from an adjacent floor area shall be identified by a sign complying with ICC A117.1,

stating “AREA OF REFUGE”, and include the International Symbol of Accessibility. Where exit sign illumination is required by Section 1011.2 of this code, the area of refuge sign shall be internally illuminated. Additionally, tactile signage complying with ICC A117.1 shall be located at each door to an area of refuge.”

- (44) *Section 1013.3 Illumination.* Amended to read as follows: “Exit signs shall only be internally illuminated.”
- (45) *Section 1013.6 Externally illuminated exit signs.* Deleted in its entirety.
- (46) *Chapter 11 – Accessibility.* Deleted in its entirety.
- (47) *Section 1202.5.1.2 Openings below grade.* Amended to read as follows: “Where openings below grade provide required natural ventilation, the outside horizontal clear space measured perpendicular to the opening shall be one and one-half times the depth of the opening. The depth of the opening shall be measured from the average adjoining ground level to the bottom of the opening. The opening shall be protected with a metal grate or other approved covers.”
- (48) *Section 1206.2 Air-borne sound.* Amended to read as follows: “Walls, partitions and floor/ceiling assemblies separating dwelling units from each other or from public or service areas shall have a sound transmission class of not less than 55 for airborne noise and an impact insulation class of not less than 55 when tested in accordance with ASTM- E90 and ASTM-E492. Penetrations or openings in construction assemblies for piping; electrical devices; recessed cabinets; bathtubs; soffits; or heating, ventilating or exhaust ducts shall be sealed, lined, insulated, or otherwise treated to maintain the required ratings. This requirement shall not apply to dwelling unit entrance doors; however, such doors shall be tight fitting to the frame and sill.”
- (49) *Chapter 13 Energy Efficiency.* Deleted in its entirety. Refer to Section 6 for the amended adoption of the International Energy Conservation Code 2018.
- (50) *Section 1403.5.3 Lead-coated copper.* Deleted in its entirety.
- (51) *Section 1407.1.2 Exterior insulation and finish systems.* Amended to read as follows: “Exterior insulation and finish systems (EIFS) must be drainable systems. EIFS with drainage shall comply with Section 1407.4.1 of this code.”
- (52) *Table 1404.2 Minimum Thickness of Weather Coverings.* Amended by deleting all references to “lead coated copper.”
- (53) *Section 1407.5 Installation.* Amended to read as follows: “Installation of EIFS with drainage shall be in accordance with EIFS manufacturer’s installation instructions.”
- (54) *Section 1502.1 Roof drainage.* Amended to read as follows: “Design and installation of roof drainage systems shall comply with Section 1502 of this code, Sections 1106 and 1108 of this code, as applicable, the Illinois Plumbing Code and the Glenview Municipal Code.”
- (55) *Table 1507.2.8.2 Valley lining material.* Amended by deleting all references to “lead coated copper.”
- (56) *Section 1705.16 Exterior Insulating Finishing Systems. (Special Inspections)* Amended by deleting exception no. 1 for EIFS with a water resistive barrier and drainage plane and changing exception number 2 to the only exception remaining.
- (57) *Section 1804.4 Site Grading.* Amended to read as follows: “The ground immediately adjacent to the foundation shall be sloped away from the building at a slope of not less than one unit vertical in 20 units horizontal (5-percent slope) for a minimum distance of 10 feet (3048 mm) measured perpendicular to the face of the wall or meet the requirements of the Village Glenview Engineering Standards Manual or as approved by the building or engineering official. If physical obstructions of lot lines prohibit 10 feet (3048 mm) of horizontal distance, a 5-percent slope shall be provided to an

approved alternative method of diverting water away from the foundation. Swales used for this purpose shall be sloped not less than 2 percent where located within 10 feet (3048 mm) of the building foundation. Impervious surfaces within 10 feet (3048 mm) of the building foundation shall be sloped not less than 2 percent away from the building or to meet the requirements of the Village Glenview Engineering Standards Manual or as approved by the building or engineering official.”

Exceptions:

1. Where climatic or soil condition warrant, the slope of the ground away from the building foundation shall be permitted to be reduced to not less than one unit vertical in 48 units horizontal (2-percent slope).
2. Impervious surfaces shall be permitted to be sloped less than 2 percent where the surface is a door landing or ramp that is required to comply with Section 1010.1.5, 1012.3 or 1012.6.1.”

(58) *Section 1804.5 Grading and fill in flood hazard areas.* Deleted in its entirety.

(59) *Section 1809.4 Depth and width of footings.* Amended to read as follows: “The minimum depth of footings below the undisturbed ground surface shall be 42 inches. Where applicable; the depth of footings shall also conform to Section 1809.5 of this code. The minimum width of footings shall be 12 inches (305 mm).

(60) *Section 1809.5 Frost protection.* Amended to read as follows: “Except where otherwise protected from frost, foundation wall, piers, and other permanent supports of buildings and structures shall be protected by one or more of the following methods:

1. Extend a minimum of 42 inches below grade;
2. Constructing in accordance with ASCE32; or
3. Erecting on solid bedrock.

Footings shall not bear on frozen soil unless such frozen condition is of a permanent character.”

(61) *Section 1809.12 Timber footings.* Deleted in its entirety.

(62) *Section 2406.4 Hazardous locations.* Amended by adding a new subsection, 2406.4.8 *Retail use districts*, which reads as follows: “All new glazing installed in a ground floor location in every business located in the Village’s D-D, B-1, B-2 and B-3 zoning districts, and in every retail use located in the Village’s I zoning districts, shall be safety glass. Each pane of tempered glass except tempered spandrel glass shall be permanently identified by the manufacturer. The identification label shall be acid etched, sand blasted, ceramic fired, embossed, or shall be of a type that once applied cannot be removed without being destroyed and shall be visible when the unit is glazed. The installation or replacement glass shall be the same as required for new installations.”

(63) *Chapter 27 – Electrical.* Deleted in its entirety.

(64) *Chapter 29 – Plumbing Systems.* Deleted in its entirety.

(65) *Section 3001.3 Referenced standards.* Amended to read as follows: “Conveyance for which a building permit is issued as of the effective date of January 1, 2024 (building permit for new construction or a permit issued for the repair/modification of a conveyance) must be designed, constructed, installed, operated, inspected, tested, maintained, altered, and repaired in accordance with the State of Illinois Elevator Code and referenced standards.

(66) *Section 3001.4 Accessibility.* Amended to read as follows: “Passenger elevators required to be accessible by the currently mandated State of Illinois Accessibility Code.

(67) *Section 3002.4 Elevator car to accommodate ambulance stretcher.* Amended to read as follows: Where elevators are provided, not fewer than one elevator shall be provided for fire department emergency access to all floors. The elevator car shall be of such a

size and arrangement to accommodate an ambulance stretcher 24 inches by 84 inches (610 mm by 2134 mm) with at least one dimension clear of the interior elevator rails at a dimension of 7 ft. (2134 mm) in the horizontal/level open position. If the elevator door is on the long side dimension, it must be either left- or right-side offset. If the elevator door is on the short side dimension, it may be either left-side offset, centered or right-side offset. The elevator shall be identified by the international symbol for emergency medical services (star for life). The symbol shall not be less than 3 inches (76mm) in height and shall be placed inside on both sides of the hoistway door frame.

- (68) *Section 3109 Swimming pool enclosures and safety devices.* Deleted in its entirety.
- (69) *Section 3114 Public use restrooms in flood hazard areas.* Deleted in its entirety.
- (70) *Chapter 32 – Encroachments into public right-of-way.* Deleted in its entirety.
- (71) *Appendices.* The following appendices are adopted in their entirety - If there is a discrepancy between the code and the appendix, the code will govern:
Appendix F: Rodent proofing

Section 5: Section 18-301 of Chapter 18, Article V of the Code, is deleted in its entirety and replaced with the following new Section 18-301:

Section 18-301. International Code Council (ICC) International Mechanical Code adopted; amendments.

The 2021 edition of the ICC International Mechanical Code is hereby adopted with the following amendments:

- (1) *Section 101.1. Title.* Amend this section to read as follows: “These regulations shall be known as the Mechanical Code of the Village of Glenview, Cook County, Illinois (the “Village”), herein referred to as “this code.”
- (2) *Section 102.8 Referenced codes and standards.* Amended to read as follows: “The codes and standards referenced in this code shall be those that are listed in Chapter 15 of this code, and such codes and standards shall be considered part of the requirements of this code to the prescribed extent of each such reference. Where differences occur between the provisions of this code and referenced standards, the provisions of this code shall apply. The following codes and standards are not adopted by reference and thus are not considered part of the requirements of this code:
IPC 2018 International Plumbing Code
- (3) *Section 106.2 Permits not required.* Delete this section in its entirety. Refer to the Glenview Municipal Code for requirements per Division 5 Sections 18-141.
- (4) *Section 106.3.2 Time limitation of application.* Delete this section in its entirety. Refer to Glenview Municipal Code – Division 5 Section 18-143 and Section 54-2.
- (5) *Section 106.4.3 Expiration.* Delete this section in its entirety. Refer to Glenview Municipal Code – Division 5 Section 18-143 and Section 54-2.
- (6) *Section 115.4 Violation penalties.* Amended to read as follows: “Persons who violate a provision of this code or shall fail to comply with any of the requirement thereto or who shall erect, alter, install, or repair mechanical work in violation of the approved construction documents or directive of the code official, or a construction permit, or certificate issued under the provision of this code shall be subject to penalties as provided in Section 1-16 of the Glenview Municipal Code.”

Section 6: Section 18-491 of Chapter 18, Article VII of the Code, is deleted in its entirety and

replaced with the following new Section 18-491:

Section 18-491. International Code Council (ICC) International Property Maintenance Code adopted; amendments.

The 2021 edition of the ICC International Property Maintenance Code is hereby adopted with the following amendments:

- (1) *Section 101.1 Title.* Amended to read as follows: “These regulations shall be known as the Property Maintenance Code of the Village of Glenview, Cook County, Illinois (the “Village”), herein referred to as ‘this code.’”
- (2) *Section 102.8 Referenced codes and standards.* Amended to read as follows: “The codes and standards referenced in this code shall be those that are listed in Chapter 8 and considered part of the requirements of this code to the prescribed extent of each such reference. Where differences occur between provisions of this code and the referenced standards, the provision of this code shall apply. The following codes and standards are not adopted by reference and thus are not considered part of the requirement of this code.
IPC-2021 International Plumbing Code IZC-2021 International Zoning Code”
- (3) *Section 109.4 Violation penalties.* Amend this section to read as follows: “Persons who shall violate a provision of this code or shall fail to comply therewith, or with any of the requirements thereof, shall be subject to penalties as provided in Section 1-16 of the Municipal code.”
- (4) *Section 107.5 Appeal Process.* Add *Section 107.5 Appeal Process* to state the following: Any person directly affected by a decision of the code official, or a notice or order issued under this code shall have a right to appeal to the Building Commission, provided that a written application for appeal is filed within 20 days after the code official’s decision, notice or order was served. An application for appeal shall be based on a claim that the true intent of this code or the rules legally adopted thereunder have been incorrectly interpreted, the provisions of this code do not fully apply, or the requirements of this code are adequately satisfied by other means.”
- (5) *Section 103.1 Creation of Agency.* Amended to read as follows: “The Village of Glenview is hereby created and the official in charge thereof shall be known as the code official. The function of the agency shall be the implementation, administration, and enforcement of the provisions of this code.”
- (6) *Section 302.4 Weeds.* The first sentence is amended to read as follows: “All premises and exterior property shall be maintained free from weeds or plant growth in excess of eight (8) inches.”
- (7) *Section 302.5 Rodent harborage.* Amended to read as follows: “All structures and exterior property shall be kept free from rodent harborage and infestation. Where rodents are found, they shall be promptly exterminated by a licensed pest control operator, by an approved process which will not be injurious to human health. After pest elimination, proper precautions shall be taken to eliminate rodent harborage and prevent re- infestation.”
- (8) *Section 304.14 Insect screens.* Amended to read as follows: “Every door, window and other outside opening required for ventilation of habitable rooms, food preparation areas, food service areas or any area 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 sixteen (16) mesh per square inch, and every screen door used for insect control shall have a self-closing

device in good working condition.

Exception: Screens shall not be required where other approved means, such as air curtains or insect repellent fans, are employed.”

- (9) *Section 308.3.1 Garbage facilities.* Amended to read as follows: “The owner of every dwelling shall supply an approved leak-proof, covered, outside garbage container.”
- (10) *Section 501.2 Responsibility.* Amended to read as follows: “The owner of the structure shall provide and maintain such plumbing facilities and plumbing fixtures in compliance with Title 77, Part 890 of the Illinois Administrative Code (the “Illinois Plumbing Code”), as amended.”
- (11) *Section 602.3 Heat supply.* Amended to read as follows: “Every owner and operator of any building who rents, leases, or lets one or more dwelling units or sleeping units on terms, either expressed or implied, to furnish heat to the occupants thereof shall supply heat to maintain a minimum temperature of 68°F (20°C) in all habitable rooms, bathrooms and toilet rooms.

Exceptions:

- 1. When the outdoor temperature is below the winter outdoor design temperature for the locality, maintenance of the minimum room temperature shall not be required provided that the heating system is operating at its full design capacity. The winter outdoor design temperature for the locality shall be as indicated in the 2012 International Mechanical Code.
 - 2. In areas where the average monthly temperature is above 30°F (-1°C) minimum temperature of 65°F (18°C) shall be maintained.
- (12) *Section 602.4. Occupiable work spaces.* Amended by deleting all references to dates.

Section 7: Section 18-561 of Chapter 18, Article VIII of the Code, is deleted in its entirety and replaced with the following new Section 18-561:

Sec. 18-561. - International Energy Conservation Code; adopted.

Section 18-561. International Code Council (ICC) International Energy Conservation Code adopted; amendments.

The current State of Illinois mandated edition of the International Energy Conservation Code is hereby adopted with the following amendments:

- (1) *Section C101.1 Title.* Amended to read as follows: “These regulations shall be known as the Energy Conservation Code of the Village of Glenview, Cook County, Illinois (the “Village”) as amended by the State of Illinois and mandated as Title 71: Public Buildings, Facilities, and Real Property Part 600 of the Illinois Administrative Code (the “Illinois Energy Conservation Code”) and shall be cited as such and will be referred to herein as “this code.””
- (2) *Section R101.1 Title.* Amended to read as follows: “These regulations shall be known as the Energy Conservation Code of the Village of Glenview, Cook County, Illinois (the “Village”) as amended by the State of Illinois and mandated as Title 71: Public Buildings, Facilities, and Real Property Part 600 of the Illinois Administrative Code (the “Illinois Energy Conservation Code”) and shall be cited as such and will be referred to herein as “this code.””

Section 8: Section 18-562 of Chapter 18, Article VIII of the Code, is deleted in its entirety and replaced with the following new Section 18-562:

Section 18-562. International Code Council (ICC) International Fuel Gas Code adopted; amendments.

The 2021 edition of the ICC International Fuel Gas Code is hereby adopted with the following amendments:

- (1) *Section 101.1 Title.* Amended to read as follows: “These regulations shall be known as the Fuel Gas Code of the Village of Glenview, Cook County, Illinois (the “Village”) herein referred to as ‘this code.’”
- (2) *Section 102.8 Referenced codes and standards.* Amended to read as follows: “The codes and standards referenced in this code shall be those that are listed in Chapter 8 and such codes and standards shall be considered part of the requirements of this code to the prescribed extent of each such reference. Where differences occur between the provisions of this code and the referenced standards, the provisions of this code shall apply.
Exception: Where enforcement of a code provision would violate the conditions of the listing of the equipment or appliance, the conditions of the listing and the manufacturer's installation instructions shall apply. The follow codes and standards are not adopted by reference and thus are not considered part of this code.
IPC-2021 International Plumbing Code
IPSDC-2021 International Private Sewage Disposal Code IWUIC-2021 International Wildlife-Urban Interface Code IZC-2021 International Zoning Code”
- (3) *Section 106.3.1 Time limitation of application.* Delete in its entirety. Refer to Glenview Municipal Code – Division 5 Section 18-143 and Section 54-2.
- (4) *Section 106.5.3 Expiration.* Delete in its entirety. Refer to Glenview Municipal Code – Division 5 Section 18-143 and Section 54-2.
- (5) *Section 115.4 Violation penalties.* Amended to read as follows: “Persons who shall violate a provision of this code or shall fail to comply therewith, or with any of the requirements thereof, shall be subject to penalties as provided in Section 1-16 of the Glenview Municipal Code.”
- (6) *Section 116 Stop work orders.* Amended to read as follows: “Upon notice from the code official that work is being done contrary to the provisions of this code or in a dangerous or unsafe manner, such work shall immediately cease. Such notice shall be in writing and shall be given to the owner of the property, the owner's agent, or the person doing the work. The notice shall state the conditions under which work is authorized to resume. Where an emergency exists, the code official shall not be required to give written notice prior to stopping the work. Any person who shall continue any work on the system after having been served with a stop work order, except such work as that person is directed to perform to remove a violation of unsafe condition, shall be subject to penalties as provided in Section 1-16 of the Glenview Municipal Code.”
- (7) *Section 113.5 Appeal Process.* Add *Section 113.5 Appeal Process* to state the following: Any person directly affected by a decision of the code official or a notice or order issued under this code shall have a right to appeal to the Building Commission, provided that a written application for appeal is filed within 20 days after the code official's decision, notice or order was served. An application for appeal shall be based on a claim that the true intent of this code or the rules legally adopted thereunder have been incorrectly interpreted, the provisions of this code do not fully apply, or the requirements of this code are adequately satisfied by other means.”

Section 9: Section 18-735 of Chapter 18, Article XII of the Code is amended as follows (added text is shown in **bold, double-underlined** text and deleted text is shown in ~~stricken~~ text):

Section 18-735. – Permit Time Limit.

~~No permit or approval made pursuant to this chapter shall be valid for a period of more than one year after the date of issuance.~~ **Refer to Glenview Municipal Code – Chapter 18, Division 5, Section 18-143 and Chapter 54, Article 1, Section 54-2.**

Section 10: Section 18-901 of Chapter 18, Article XV of the Code, is hereby deleted in its entirety and replaced with the following new Section 18-901, as follows:

Section 18-901. International Code Council (ICC) International Existing Building Code adopted; amendments.

The ~~2018~~**2021** edition of the ICC International Existing Building Code is hereby adopted with the following amendments:

- (1) *Section 101.1 Title.* Amended to read as follows: “These regulations shall be known as the Existing Building Code of the Village of Glenview, Cook County, Illinois (the “Village”) herein referred to as ‘this code.’”
- (2) *Section 102.4 Referenced codes and standards.* Amended to read as follows: “The codes and standards referenced in this code shall be considered part of the requirements of this code to the prescribed extend of each such reference. Where differences occur between provisions of this code and the referenced standards, the provision of this code shall apply. The following codes and standards are not adopted by reference and thus are not considered a part of this code: IPC-2021 International Plumbing Code”
- (3) *Section 105.2 Work exempt from permit.* Deleted in its entirety. Refer to the Glenview Municipal Code for requirements per **Chapter 18, Division 5, Sections 18-141.**
- (4) *Section R105.3.2 Time limit of application.* Deleted in its entirety. Refer to Glenview Municipal Code – Division 5 Section 18-143 and **Chapter 54, Article 1, Section 54-2.**
- (5) *Section R105.5 Expiration.* Deleted in its entirety. Refer to Glenview Municipal Code –
Chapter 18, Division 5, Section 18-143 and Chapter 54, Article 1, Section 54-2.

Section 11: Section 18-1001 of Chapter 18, Article XVI of the Code, is hereby deleted in its entirety and replaced with the following new Section 18-1001 as follows:

Section 18-1001. International Code Council (ICC) International Performance Code for Existing Buildings adopted.

The ~~2018~~**2021** edition of the ICC International Performance Code for Existing Buildings is hereby adopted by reference.

Section 12: Section 34-201 of 34, Article IV, Division III of the Code, is deleted in its entirety and replaced with the following new Section 34-201:

Section 34-201. International Code Council (ICC) International Fire Code adopted; amendments.

The 2021 edition of the ICC International Fire Code is hereby adopted with the following amendments:

- (1) *Section 101.1 Title.* Amended to read as follows: “These regulations shall be known as the Fire Code of the Village of Glenview, Cook County, Illinois (the “Village”) hereinafter referred to as ‘this code.’”
- (2) *Section 102.7. Referenced codes and standards.* Amended to read as follows: “The codes and standards referenced in this code shall be those that are listed in Chapter 80 of this code and such codes and standards shall be considered part of the requirements of this code to the prescribed extent of each such reference. Where differences occur between the provisions of this code and the referenced standards, the provisions of this code shall apply. The following codes and standards are not adopted by reference and thus are not considered part of the requirements of this code:
 - a. IPC 2021 International Plumbing Code
 - b. IWUIC 2021 International Wildland-Urban Interface Code”
- (3) *Section 105.2.3 Time limit of application.* Deleted in its entirety. Refer to Glenview Municipal Code – Chapter 18, Division 5, Section 18-143 and Chapter 54, Article 1, Section 54-2.
- (4) *Section 105.3.1 Expiration.* Deleted in its entirety. Refer to Glenview Municipal Code – Chapter 18, Division 5, Section 18-143 and Chapter 54, Article 1, Section 54-2.
- (5) *Section 202 Definitions.* Amended by adding the following definition: “**Consumer Novelties.** Consumer novelties shall mean: (i) snakes, glow worm pellets, smoke devices, trick snappers, trick matches, cigarette loads, auto burglar alarms, toy pistols, toy canes, toy guns, and other devices in which paper or plastic caps containing 0.25 grains or less of explosive compound are used, provided they are constructed so that the hand cannot come in contact with the cap when in place for the explosion, and (ii) toy pistol paper or plastic caps which contain less than 0.25 grains of explosive mixture.”
- (6) *Section 202 Definitions – Fire Alarm Control Unit.* Amended to read as follows: “**Fire Alarm Control Unit.** A system component that receives inputs from automatic and manual fire alarm devices and may be capable of supplying power to detection devices and transponders or off-premises transmitters. The control unit is capable of providing a transfer of power to the notification appliances and transfer of conditions to relays or devices. The control unit shall be used for the fire alarm only.”
- (7) *Section 505.1 Address identification.* Amended to read as follows: “New and existing buildings shall be provided with *approved* address identification. The address identification shall be legible and placed in a position that is visible from the public right of way. Address identification characters shall contrast with their background. Address numbers shall be Arabic numerals of at least 6 inches (152 mm) in height with one inch (25 mm) stroke. Where required by the *fire code official*, address identification shall be provided in additional *approved* locations to facilitate emergency response. Where access is by means of a private road and the building cannot be viewed from the *public* way, a monument, pole or other sign or means shall be used to identify the structure. Address identification shall be maintained.”

- (8) *Section 506.1 Where required (Key boxes).* Amended to read as follows: “All buildings, structures or tenant spaces equipped with a fire alarm or fire suppression system shall provide a fire department Knox box on entrances to the building, structure or tenant space as determined by the *fire code official*. The box shall contain keys to allow fire department entry in the event of fire alarm activation or an emergency. The fire code official may also require a fire department Knox box if access to the building, structure or area is unduly difficult. All fire department key boxes, location of the Knox boxes, and the number of key boxes required shall be approved by the fire official. The Knox box shall be mounted at a height of five feet (5’) above the finished grade. The key box shall be of an *approved* type listed in accordance with UL 1037 and shall contain keys to gain access as required by the *fire code official*.”
- (9) *Section 507.5.2 Inspection, testing and maintenance.* (Fire Hydrant Systems) Amended by adding a new subsection, 507.5.2.1 *Maintenance – Required documentation*, which reads as follows: “All required documentation regarding the design and procedures for maintenance, inspection, and testing of fire hydrant systems, including fire protection submittal documents, shall be maintained in a secured location on the premises approved by the code official for the life of the fire protection systems. Ongoing system test reports and documentation required per NFPA must be submitted to and through the Village’s third-party contractor fire protection testing portal or per Authority Having Jurisdiction.”
- (10) *Section 510 Emergency Responder Radio Coverage.* Deleted in its entirety and replace with the following: *Section 510 Emergency Responder Radio Coverage*,

“*Section 510.1 Obstruction of existing and planned public safety communications microwave paths.* New or modified buildings or structures comprised of six (6) stories or greater may not interrupt the microwave paths connecting facilities which comprise the Village’s public safety communications infrastructure. Prior to obtaining a permit for such construction or modifications, the property owner shall furnish proof to the Village Manager or his designee in the form of a registered engineer’s certification that the structure will not interfere with the present microwave path or any planned path.”

“*Section 510.2 Public Safety Radio Amplification Systems.*

Section 510.2.1 Applicability. Except as otherwise provided in this division and specifically exempted below, no person shall erect, construct, change the use of, remodel, or install an addition to a building which yields a resulting building footprint in excess of 150% of the original building unless a Public Safety Radio Amplification System is provided. For the purposes of determining the area of the original and subsequent building footprints(s) of any structure subject to the terms of this section, a plat of survey depicting the original conditions of the given lot prior to construction of any addition or modification governed by the provisions of this section shall be furnished for review by the fire code official to be compared to a proposed site plan depicting the scope of the improvements. An “as-built” plat of survey may be required by the fire code official at the conclusion of construction to confirm compliance with the 150% requirement. The 150% requirement shall apply cumulatively to all improvements proposed to a given building as of the effective date of the original amendment which was December 9, 2014.

Exceptions. The following uses and structures shall be exempt from the requirements of this subsection:

- A. Single-family detached residential buildings.
- B. Single-family attached residential buildings comprised of up to two (2) units.
- C. Any building or structure comprised of a combined gross floor area of less than 5,000 square feet.
- D. Any building, structure, or addition which supports a minimum signal level of DAQ 3 (Delivered Audio Quality 3) available in 95% of the area designated on a coverage acceptance test plan designed in accordance with manufacturer specifications and approved by the Village Manager or his designee.

Section 510.2.2 Specialty Structures. In addition to the construction types listed in Section 510.2.1, the requirements of this section shall additionally apply to the following specialty structures:

- A. *Electronics Establishments* including any and all buildings which hold, carry, store, and/or operate electronic devices, electronics, electrical and/or communications equipment which creates interference with the Village's public safety communications infrastructure.
- B. *Storage Vaults and basements* including any floor space above or below grade designated as a storage vault and any floor space below grade in excess of two-thousand (2,000) square feet.
- C. *High-Rise Structures* including any and all high-rise buildings comprised of five (5) stories or greater and/or a building height of 140.0 feet or greater.
- D. *Hospitals* including any and all buildings within any H-1 Hospital and Medical district as defined by sec. 98-134 of the Code in which medical procedures are performed.

Section 510.2.3 System requirements.

- A. Any building, structure, or addition subject to the provisions of this section shall be equipped with any of the following systems:
 - 1. A radiating cable system
 - 2. An internal multiple antenna system with FCC Type Accepted Bi-Directional UHF Amplifiers as needed to encompass the Very High Frequency (VHF) band range from 150.0 MHz through 174.0 MHz, the Extremely High Frequency (EHF) band range from 769.0 MHz through 775.0 MHz and 799.0 MHz through 805.0 MHz, and, and the Tremendously High Frequency (THF) band range from 806.0 MHz through 912.0 MHz
 - 3. An alternate system that has been approved by the Village as being capable of providing amplification to meet the requirements of this section.
- B. The system shall be capable of operating on an independent battery and/or generator system for a period of at least 12 hours without any additional external power input. The battery system shall automatically charge in the presence of external power input.
- C. There shall be no connectivity between the amplification system and the fire/police alarm system.
- D. If a system's bi-directional amplifiers create interference within 35 dB of the NPSPAC band, filters tuned to the frequencies specified in Section 510.2.3 A.2 shall be required.

- E. *Signal Booster Requirements.* If used signal boosters shall meet the following requirements:
1. All signal booster components shall be contained in a National Electrical Manufacturer's Association (NEMA) 4-type waterproof cabinet.
 2. Battery systems used for the emergency power source shall be contained in a NEMA 4 type waterproof cabinet.
 3. The signal booster system and battery system shall be electrically supervised and monitored by a supervisory service, or when approved by the fire code official, shall sound an audible signal at a constantly attended location.
 4. Equipment shall have FCC certification prior to installation.

Section 510.2.4 Testing.

- A. *Qualifications of Testing Personnel.* All tests shall be conducted, documented, and signed by a person in possession of a current FCC general radiotelephone operator license. All test records shall be retained at the inspected premises by the building owner and a copy submitted to the Village of Glenview within thirty (30) days of when the test has been conducted. In the event the test shall fail to comply with the minimum requirements of the village, appropriate modifications and/or repairs shall be made, and additional tests conducted until tests meet the minimum requirements of the village.
- B. *Testing Procedure.* Each floor of the building shall be divided into a grid of approximately twenty (20) equal areas. A maximum of two nonadjacent areas will be allowed to fail the test. In the event that three of the areas fail the test, in order to be more statically accurate the floor may be divided into forty (40) equal areas. In such event, a maximum of four nonadjacent areas will be allowed to fail the test. After the 40 area tests, if the system continues to fail the property owner shall repair, replace, alter, or upgrade the system altered to meet the DAQ 3 coverage requirement. Talk testing from site to the Village of Glenview Public Safety Communications Center shall use a two-watt portable transceiver with speaker/microphone and flexible antenna. A spot located approximately in the center of the grid area will be selected for the test, then the radio will be keyed to verify two-way communication to and from the outside of the building. Once the spot has been selected, use of another spot with the grid area will not be permitted. Field strength testing instruments are to be recently calibrated (within the past 12 months) and of the frequency selective type incorporating a flexible antenna similar to the ones used on the handheld transceivers.
- C. *Gain values.* The gain values of all amplifiers shall be measured and the results kept on file with the property owner so that the measurements can be verified each year during the annual tests. In the event that the measurement results become lost, the property owner will be required to rerun the acceptance test to reestablish the gain values.
- D. *Acceptance Testing.* Acceptance testing for an in-building radio amplification system is required.
- E. *Annual Testing.* When an in-building radio system is installed, the property owner shall test all active components of the system including but not limited to amplifier, the power supplies, and back-up batteries, a minimum of once

every twelve (12) months. Amplifiers shall be tested to ensure that the gain is the same as it was upon initial installation and acceptance. Back-up batteries and power supplies shall be tested under load for a period of one hour to verify that they will operate during an actual power outage. All other active components shall be checked to determine that they are operating within the manufacturer's specifications for the intended purpose.

- F. *Ten-Year Testing.* In addition to the annual test, the property owner shall perform a radio coverage test a minimum of once every ten (10) years to ensure that the radio system continues to meet the requirements of the original acceptance. The procedure set forth above shall apply to such tests.
- G. All required documentation regarding the design and procedures for maintenance, inspection, and testing of fire protection systems, including fire protection submittal documents, shall be maintained in a secured location on the premises approved by the code official for the life of the fire protection systems or per Authority Having Jurisdiction.

Section 510.2.5 Maintenance responsibilities.

- A. *Maintenance Contract.* Upon completion of all the tests to the minimum standards of the village, the property owner shall be responsible for the maintenance of the system. Upon request by the Village Manager or his designee, the property owner shall furnish a maintenance contract including the name(s) of the contractor(s), who will supply a 24-hour, 7-day emergency response within two (2) hours after notification by either the village or the property owner.
- B. *System Maintenance.* The property owner shall be responsible for making any repairs, replacements, or upgrades to the systems should the system fail to meet testing specifications.”

Section 510.3 Permit Required. A construction permit for the installation of or modification to emergency responder radio coverage systems and related equipment is required as specified in Section 105.7.6. Maintenance performed in accordance with this code is not considered a modification and does not require a permit.”

- (11) *Section 901.4.7 Pump and Riser Room Size.* Amended to read as follows: “A room containing the automatic fire sprinkler system riser valve and/or a fire pump shall be provided in new buildings or additions to buildings with new or existing fire sprinklers. Fire pump and *automatic sprinkler system* riser rooms shall be designed with adequate space for all equipment necessary for the installation, as defined by the manufacturer, with sufficient working room around stationary equipment. Clearance around equipment to elements of permanent construction, including other installed equipment and appliances, shall be sufficient to allow inspection, service, repair or replacement without removing such elements of permanent construction or disabling the function of a required fire-resistance-rated assembly. Fire pump and *automatic sprinkler system* riser rooms shall be provided with doors and unobstructed passageways large enough to allow removal of the largest piece of equipment.”
- (12) *Section 901.4.7.1 Access.* Amended to read as follows: “Rooms or spaces containing an automatic sprinkler system riser valve and/or a fire pump shall be provided with direct access from the exterior of the building or structure. Access shall be provided by a key storage box with door keys as determined by the Authority Having Jurisdiction.”

- (13) *Section 901.6 Inspections, testing and maintenance.* Amended by adding a new subsection, *901.6.3.2 Inspection, testing and maintenance documentation routing.* Which reads as follows: “Ongoing system test reports and documentation required per NFPA must be submitted to and through the Village’s third-party contractor fire protection testing portal or per Authority Having Jurisdiction.”
- (14) *Section 903.2 Where required.* Amended to read as follows: “Section 903.2 Where required. Approved automatic sprinkler systems in new buildings and structures and additions to buildings currently equipped with sprinklers shall comply with Section 903.2.1 as amended below. Retrofitting of sprinklers in existing buildings shall comply with section 903.6 as amended.”
- (15) *Sections 903.2.1 through 903.2.11 Where required.* Deleted in their entirety.
- (16) *Section 903.2 Where required.* Amended by adding a new subsection. *903.2.1 New construction and additions to existing sprinklered buildings* which reads as follows: “Approved automatic fire sprinkler systems shall be installed in all new and additions to existing fire sprinklered buildings regardless of materials used in construction and / or use group classification. This requirement also applies to Assembly use occupancies on roofs, and enclosed A-5 Use spaces under grandstands or bleachers. Automatic fire suppression systems shall comply with the 2019 edition of the NFPA Standards.

Exceptions:

1. Detached accessory building with an intended use that is incidental to that primary building on the same lot of record as a detached one-family dwelling. Detached accessory buildings shall include, but not be limited to, detached garages, storage sheds, and animal habitats.
2. Detached accessory buildings with an intended use that is incidental to that of the primary building on the same lot of record where the primary building is classified as a Use Group B, F, I, M, S, and U that are less than 250 square feet in size. This exception shall not apply if the horizontal separation between the accessory building is less than 25 feet from any other building or accessory building and/or structure is used for the following hazardous materials:
 - a. Flammable and/or combustible liquids classified as Class 1A, 1B, 1C, and 111A and if the combined quantity exceeds 30 gallons
 - b. Flammable gas if the quantity exceeds 10 gallons and/or 333 cubic feet of gas
 - c. Corrosives
 - d. Toxic agents
 - e. Oxidizers classified as Class 2, 3, or 4. Class 1 oxidizers shall not exceed 100 gallons and/or 1,000 pounds
 - f. Unstable/reactives
 - g. Water reactives if the quantity exceeds 100 gallons and/or 1,000 pounds.
 - h. Pyrophoric materials (All classifications)
 - i. Organic peroxides (All classifications)
 - j. Explosives (All classifications)
3. Picnic shelters, gazebos, pergolas, and detached public restroom facilities with a minimum horizontal separation of 25 feet from all other buildings. This exception shall not apply if the picnic shelter, gazebo, pergola, or detached public restroom is equipped with a permanent heat-producing appliance that utilizes natural gas and/or propane as a fuel supply or if the detached public

restroom facility exceeds a total of 400 square feet in size.

4. In telecommunications equipment buildings, a manual dry fire suppression system shall be installed in those spaces or areas equipped exclusively for telecommunications equipment, association electrical power distribution equipment, batteries and standby engines provided that those spaces or areas are equipped throughout with an automatic fire detection system in accordance with Section 907 and are separated from the remainder of the building by not less than one-hour fire barriers constructed in accordance with Section 707 or not less than two-hour horizontal assemblies constructed in accordance with Section 711, or both.”
- (17) *Section 903.2.12 During construction.* Renumbered as Section 903.2.2.
- (18) *Section 903.3.1.3 NFPA13 D sprinkler systems.* Amended by adding a new subsection, *903.3.1.3.1 Additional requirements*, which reads as follows: “NFPA 13D fire sprinkler systems shall have dry head coverage in the garage. CPVC shall not be permitted to be exposed.”
- (19) *Section 903.3.5 Water supplies.* Amended to read as follows: “Water supplies for automatic sprinkler systems shall comply with this section and the standards referenced in Section 903.3.1 of this code. The potable water supply shall be protected against backflow in accordance with the requirements of this section and Title 77, Part 890 of the Illinois Administrative Code (the “Illinois Plumbing Code”). For connections to public water systems, the water supply test used for design of fire protection systems shall be adjusted to account for seasonal and daily pressure fluctuations based on information from the water supply authority and as approved by the fire code official. See Section 903.3.5.3 for low water pressure factor. Hydrant flow data used for the design of any sprinkler system shall be no more than one (1) year old.”
- (20) *Section 903.3.5. Water supplies.* Amended by adding a new subsection, *903.3.5.3 Low water pressure factor*, which reads as follows: “Provide a minimum ten percent (10%), but not less than five (5) psi, safety factor in the fire protection system hydraulic calculation. The system demand shall be a minimum 5 psi below the annual water flow test supply.”
- (21) *Section 903.4.2 Alarms.* Amended by adding a new subsection, *903.4.2.1 Additional alarm location*, which reads as follows: “In addition to a ten (10) inch bell, a weatherproof visual strobe activated by water flow shall be provided on the exterior of the building or structure and located over the fire department connection and above the required bell or in a location approved by the authority having jurisdiction.”
- (22) *Section 903.4.2 Alarms.* Amended by adding a new subsection, *903.4.2.2 Location*, which reads as follows: “Alarm notification shall be provided throughout fire-sprinklered buildings with audible and visual appliances and located per NFPA 72 edition 2019.”
- (23) *Section 903.4.3 Floor control valves.* Amended to read as follows: “Approved supervised indicating control valve assemblies with flow switches shall be provided at the point of connection to the riser on each floor of the building or structure.”
- (24) *Section 903.5 Testing and maintenance.* Amended by adding a new subsection, *903.5.1 Access*, which reads as follows: “Fire sprinkler systems’ inspection test valves shall be accessible at all times and located no more than six (6) feet above the finished floor surface. On multiple riser systems test valves shall be clearly identified in permanent marking as to the riser and area served.”
- (25) *Section 903.5 Testing and maintenance (Automatic Sprinkler Systems).* Amended by

adding a new subsection, *903.5.2 Required documentation*, which reads as follows: “Inspection, testing and maintenance shall be performed in accordance with NFPA 25. All required documentation regarding the design and procedures for maintenance, inspection, and testing of fire protection systems, including fire protection submittal documents, shall be maintained in a secured location on the premises approved by the code official for the life of the fire protection systems or per Authority Having Jurisdiction.”

- (26) *Section 903.6* Where required in existing buildings and structures. deleted in its entirety and replaced with the following:

Section 903.6 Where required in existing buildings and structures. *Section 903.6.1:* Where addition, alterations or remodeling exceed 50% of the replacement cost of the structure, an approved automatic fire sprinkler system shall be installed per the following thresholds. Automatic fire suppression systems shall comply with the 2019 edition of the NFPA Standards or as determined per the International Existing Building Code 2021. For the purpose of this article, replacement costs shall be determined by the latest building valuation data published by the International Code Council.

Use group R-2 structures (condominiums/ apartments):

An automatic fire suppression system shall be provided throughout all multiple family buildings containing three or more dwelling units in accordance with NFPA 13R 2019 Edition: Standard for the Installation of Sprinkler Systems in One- and Two-Family Dwellings and Manufactured Homes.

Use group R-3 structures (town homes):

An automatic fire suppression system shall be provided throughout all multiple family buildings containing three or more dwelling units in accordance with NFPA 13D 2019 Edition: Standard for the Installation of Sprinkler Systems in One- and Two-Family Dwellings and Manufactured Homes.

Use group A-1, A-2, A-3 and A-4 (assembly occupancies):

An automatic fire suppression system shall be provided throughout all assembly buildings greater than 2,500 square feet in area. The design and installation of the suppression system shall be in accordance with NFPA 13 2019 Edition: Standard for the Installation of Sprinkler Systems.

Use Group B, E, F-1, F-2, H-1, H-2, H-3, H-4, I-1, I-2, I-3, M, S-1, S-2 and U (business,

educational, factory, hospital, institutional, mercantile, storage and utility):

An automatic fire suppression system shall be installed throughout all buildings referenced herein where the size is greater than 5,000 square feet in area. The design and installation of the suppression system shall be in accordance with NFPA 13 2019 Edition: Standard for the Installation of Sprinkler Systems.

- (27) *Section 903 Automatic Sprinkler Systems*. Amended by adding a new subsection, *903.7. Fire pump test header*, which reads as follows: “Automatic sprinkler systems that are equipped with an approved fire pump shall be provided with an OS&Y (or approved equal) control valve on the fire pump test header(s). Fire pump installations shall include an exterior test header.”
- (28) *Section 903 Automatic Sprinkler Systems*. Amend by adding a new subsection, *903.8 Private fire hydrants*, which reads as follows: “For developed lots,

- subdivisions or parcels except R-3 occupancies, fire hydrants shall be located no more than three hundred (300) feet apart. Fire hydrants shall be provided on all sides of a developed lot, subdivision or parcel except R-3 occupancies as approved by the authority having jurisdiction. One (1) fire hydrant shall be located not more than 100 feet from the fire department connection on the fire protection water supply to the building or structure.”
- (29) *Section 903 Automatic Sprinkler Systems.* Amended by adding a new subsection, *903.9 Warehouse storage*, which reads as follows: “A two and one-half (2 ½) inch fire hose valve with a one and one-half (1 ½) inch reducer to a one and one-half (1 ½) inch connection shall be provided at each means of egress to warehouse storage areas greater than 20,000 square feet in which storage exceeds twelve (12) feet in height. The two and one-half (2 ½) inch fire hose valve(s) shall be installed on a separate riser piping system and shall be provided with a four (4) inch water supply and a two and one-half (2 ½) inch brand water supplies. Each two and one-half (2 ½) inch fire hose valve shall be installed so no distance from the nearest two and one-half (2 ½) inch fire hose valve is greater than 120 feet.”
- (30) *Section 904.4 Inspection and testing.* (Alternative Automatic Fire Extinguishing Systems) Amended by adding a new subsection, *904.4.4 Maintenance Testing and inspections – Required documentation*, which reads as follows: “All required documentation regarding the design and procedures for maintenance, inspection, and testing of fire protection systems, including fire protection submittal documents, shall be maintained in a secured location on the premises approved by the code official for the life of the fire protection systems. Ongoing system test reports and documentation required per NFPA must be submitted to and through the Village’s third-party contractor fire protection testing portal or per Authority Having Jurisdiction.”
- (31) *Section 905.3.1 Standpipe Systems.* Line 1 *to be deleted and replaced with: Three story buildings or buildings over 150 ft. in any footprint dimension*, which reads as follows: “Any building that has two (2) stories or more above - lowest level of fire department access, and/ or has any horizontal dimension exceeding 150 feet between exterior walls, shall be equipped with an automatic standpipe system designed and installed in accordance with NFPA standard 14 for Class 1 automatic standpipe and hose systems as defined therein. A fire pump is required. Manual and Dry standpipe systems are prohibited unless written approval is received from the Fire Code Official or his /her designee as arranged prior to construction permit issuance of the fire sprinkler system. The maximum distance from any remote location on any floor to a hose valve connection shall be 150 ft.”
- (32) *Section 907.1 General.* (Fire Alarm and Detection Systems). Amended Section 907.1 General, to read as follows: “This section covers the application, installation, performance and maintenance of the fire alarm systems and their components in new and existing buildings and structures.”
- (33) *Section 907.2 Where required – new buildings and structures.* Deleted in its entirety and replaced with the following, *907.2 Where required– New and existing structures and buildings*: “An approved manual, automatic or combination manual and automatic fire alarm monitored system in accordance with the provision of this code and NFPA 72 2019 shall be provided in new

and existing buildings and structures in all use groups. Exceptions:

1. One- and two-family dwelling units, but not Group Homes (R-4 Use Group).
2. In existing residential multi-family use groups, initiating and notification devices required by NFPA 72 2019 may be omitted from within the dwelling unit provided that such devices located within the adjacent common areas “outside the dwelling unit” shall provide an audible level acceptable to the fire code official.”

907.2.1 Fire alarm and detection systems – requirement. All fire alarm control panels shall be of the addressable type only. Conventional zone panels are not permitted. All fire alarm junction boxes, covers, and conduits shall be red in color. Fire alarm junction box covers shall be identified as "FIRE ALARM" in a contrasting color. Fire alarm wire shall be attached to structural members by the use of bridle rings or loops. Fire Alarm Control Units and full function remote annunciators shall be accessed with a key and no other method, including codes.

907.2.2 Fire alarm and detection systems – Group I occupancies. A manual fire alarm system shall be installed in Group I occupancies. An electrically supervised, automatic smoke detection system shall be provided in accordance with Sections 907.2.2.1, 907.2.2.2, and 907.2.2.3 of this code. The alarm system shall be designed based on the actual operational use proposed for the occupants and not based on any presumed/ assigned use by the designer for building construction height/ area requirements per Mixed Use chapters of the code.

Exception: Manual fire alarm boxes in resident or patient sleeping areas of Group I-1 and I-2 occupancies shall not be required at exits if located at all nurse’s control stations or other constantly attended staff locations, provided such stations are visible and provided with ready access and that travel distances required in Section 903.7.4.2.1 of this code are not exceeded.

907.2.2.1. Group I-1. Corridors, habitable spaces other than sleeping units and kitchens and waiting areas that are open to corridors shall be equipped with an automatic smoke detection system.

Exceptions:

1. Smoke detection in habitable spaces is not required where the facility is equipped throughout with an automatic sprinkler system.
2. Smoke detection is not required for exterior balconies.

907.2.2.2. Group I-2. Corridors in nursing homes (both intermediate care and skilled nursing facilities), detoxification facilities and spaces permitted to be open to the corridors by Section 407.2 of this code shall be equipped with an automatic fire detection system. Hospital shall be equipped with smoke detection where permitted to be open to the corridor per Section 407.2 of this code.

Exceptions:

1. Corridor smoke detection is not required in smoke compartments that contain patient sleeping units where patient sleeping units are provided

with smoke detectors that comply with UL268. Such detectors shall be provided a visual display on the corridor side of each patient sleeping unit and an audible and visual alarm at the nursing station attending each unit.

2. Corridor smoke detection is not required in smoke compartments that contain patient sleeping units where patient sleeping unit doors are equipped with automatic door-closing devices with integral smoke detectors on the unit sides installed in accordance with their listing, provided that the integral detectors perform the required alerting function.

907.2.2.3. Group I-3. Group I-3 occupancies shall be equipped with a manual and automatic fire alarm system installed for alerting staff.

907.2.2.3.1 System initiation. Actuation of an automatic fire-extinguishing system, an *automatic sprinkler system*, a manual fire alarm box or a fire detector shall initiate an approved fire alarm signal which automatically notifies staff. Pre-signal systems shall not be used.

907.2.2.3.2 Manual fire alarm boxes. Manual fire alarm boxes are not required to be located in accordance with Section 907.3 of this code where the fire alarm boxes are provided at staff-attended locations having direct supervision over areas where manual fire alarm boxes have been omitted.

Manual fire alarm boxes shall be permitted to be locked in areas occupied by detainees, provided that staff members are present within the subject area and have keys readily available to operate the manual fire alarm boxes.

907.2.2.3.3 Smoke detectors. An approved automatic smoke detection system shall be installed throughout resident housing areas, including sleeping units and contiguous day rooms, group activity spaces and other common spaces normally accessible to residents. Exceptions:

1. Other approved smoke detection arrangements providing equivalent protection including, but not limited to placing detectors in exhaust ducts from cells or behind protective guards listed for the purpose, are allowed when necessary to prevent damage or tampering.
2. Sleeping units in Use Condition 2 and 3 as described in Section 308.
3. Smoke detectors are not required in sleeping units with four or fewer occupants in smoke compartments that are equipped throughout with an approved automatic sprinkler system in accordance with Section 903.3.1.1.

907.2.3 Automatic fire detection system required. An approved, complete automatic fire detection system shall be installed in all use groups, not provided with an automatic sprinkler system, and in accordance with NFPA 72 2019. Devices, combination of devices, appliances, and equipment shall comply with Section 907.1.2 of this code. The automatic fire detectors shall be smoke detectors, 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. Smoke detector spacing shall meet the NFPA 72 2019 requirements of heat detector spacing for ceiling heights over ten feet. Automatic fire alarm systems shall comply with the 2019 edition of the NFPA 72 Standard.

- 907.2.4 *Control panel locations*. All fire alarm control panels of full function annunciator panels shall be installed within ten (10) feet of the main entrance, or in a location approved by the fire code official.”
- (34) *Section 907.2.10 Manual fire alarm in Group S Facilities*. Deleted in its entirety.
- (35) *Section 907.3 Fire safety functions*. Amended to read as follows: “Automatic fire detectors utilized for the purpose of performing fire safety function shall be connected to the building’s fire alarm control panel where a fire alarm system is required by Section 907.2 of this code. Detectors shall, upon actuation, perform the intended function and activate the alarm notification appliances or a visible and audible supervisory signal at a constantly attended location. The detectors shall be located in accordance with Chapter 5 of NFPA 72 2019. Multi-tenant Group M buildings will be activated by individual tenant space by the automatic sprinkler system flow switch for that space or an automatic fire detection system.”
- (36) *Section 907.3.1 Duct smoke detectors*. Amended by adding a subsection, *907.3.1.1 Labeling*, which reads as follows: “Duct detectors shall indicate at the fire alarm control panel as a fire alarm. All duct detectors shall be labeled with the HVAC unit it is associated with and clearly marked on the finished side of the ceiling under the detector or in a location acceptable to the fire code official. Keyed Remote Test Switches shall be located on the wall or column closest to the detector mounted five (5) feet above the floor.”
- (37) *Section 907.8.4 Inspection, testing and maintenance*. (Fire Alarm and Detection Systems) Amended by adding a new subsection, *907.8.5.1 Inspections, Testing and Maintenance – Required documentation*, which reads as follows: “All required documentation regarding the design and procedures for maintenance, inspection, and testing of fire protection systems, including fire protection submittal documents, shall be maintained in a secured location on the premises approved by the code official for the life of the fire protection systems. Ongoing system test reports and documentation required per NFPA must be submitted to and through the Village’s third-party contractor fire protection testing portal or per Authority Having Jurisdiction.”
- (38) *Section 907.9 Where required in existing buildings and structures*. (Fire Alarm and Detection Systems). Delete this section in its entirety. See Amendment No. 33 Section No. 907.2 for requirements for existing buildings and structures.
- (39) *Section 909.22 Maintenance*. (Smoke Control System) Amended by adding a new subsection, *909.22.7 Maintenance – Required documentation*, which reads as follows: “All required documentation regarding the design and procedures for maintenance, inspection, and testing of fire protection systems, including fire protection submittal documents, shall be maintained in a secured location on the premises approved by the code official for the life of the fire protection systems. Ongoing system test reports and documentation required per NFPA

- must be submitted to and through the Village's third- party contractor fire protection testing portal or per Authority Having Jurisdiction."
- (40) *Section 912 Fire Department Connections.* Amended by adding a new subsection, *912.1.1 Local fire department connections*, which reads as follows: "All fire department connections shall be a NST four- (4) inch, non-swivel Storz connection with a fixed 30- degree downturn and shall be located on the building wall, 24 inches to 42 inches above the finished grade."
- (41) *Section 913.5 Testing and Maintenance.* (Fire Pump) Amended this section to read as follows: "Fire Pumps shall be tested and maintained in accordance with the requirements of NFPA 25. Records of inspections testing and maintenance shall be maintained. All required documentation regarding the design and procedures for maintenance, inspection, and testing of fire protection systems, including fire protection submittal documents, shall be maintained in a secured location on the premises approved by the code official for the life of the fire protection systems. Ongoing system test reports and documentation required per NFPA must be submitted to and through the Village's third- party contractor fire protection testing portal or per Authority Having Jurisdiction."
- (42) *Section 1008.2 Illumination required.* Amended to read "The *means of egress* serving a room or a space shall be illuminated at all times that the room or space is occupied. Emergency lighting shall be provided in all locations required by the fire code official, in all occupancies.
Exceptions:
1. Occupancies in Group U.
 2. *Aisle accessways* in Group A.
 3. *Dwelling Units* and *sleeping units* in Group R-1, R-2 and R-3.
 4. *Sleeping units* of Group I occupancies."
- (43) *Section 1008.3.3 Rooms and spaces (Emergency power for illumination).* Amended by adding a new Line Number 6, which reads as follows: "6. All rooms containing the building sprinkler riser(s), and fire alarm control panel(s)."
- (44) *Section 1009.6 Areas of refuge.* Amended by adding a new subsection, *1009.6.6 Identification*, which reads as follows: "Each door providing access to an area of refuge from an adjacent floor area shall be identified by a sign complying with ICC A117.1, stating "AREA OF REFUGE", and include the International Symbol of Accessibility. Where exit sign illumination is required by Section 1013.3 of this code, the area of refuge sign shall be internally illuminated. Additionally, tactile signage complying with ICC A117.1 shall be located at each door to an area of refuge."
- (45) *Section 1103.2 Emergency responder radio coverage in existing buildings.* Amend by deleting item no. 1 and re-numbering number 2 to number 1.
- (46) *Section 1107.5.1 Group R-1 Hotel and Motel Manual Fire Alarm System.* Deleted in its entirety.
- (47) *Section 2404.4 Fire protection.* Amended to read as follows: "Spray booths and spray rooms shall be protected by an approved automatic fire-extinguishing system complying with Chapter 9 of this code. Protection shall also extend to exhaust plenums, exhaust ducts and both sides of dry filters when such filters are used. All existing spray booths and rooms in existence as of the date of this ordinance shall be retrofitted to comply with this automatic fire-extinguishing

- system requirement within a period of time specified by the fire code official.”
- (48) *Section 5601.1.3 Fireworks.* Amended to read as follows: “The possession, manufacture, storage, sale, handling and use of fireworks are prohibited. Exceptions:
1. Storage and handling and use of fireworks at display sites in accordance with Sections 5604 and 5608.5 and NFPA 1123 or NFPA 1126 listed in Chapter 35 of the 2021 ICC International Building Code.
 2. The retail sale of approved consumer novelties as defined in Section 202 of this code shall be permitted but only to persons 18 years of age or older. Retail sales shall be permitted only in buildings equipped with approved automatic sprinkler systems. The display of consumer novelties in a building shall be separated from all exit doors by a minimum distance of 20 feet or as approved in advance in writing by the fire code official. The sale of consumer novelties shall not be permitted at any building or on any property where flammable or combustible liquids or gases are sold or dispensed.”
- (49) *Section 5601.1.3 Fireworks.* Amended by adding a new subsection, *5601.1.3.1. Penalties for possession*, which reads as follows: “Any person, firm, corporation, or entity that violates any provision of Section 5601.1.3 of this code shall be subject to penalties as described in Section 1-16 of the Glenview Municipal Code.”
- (50) *Section 5601.2.2 Sales and retail display.* Amend this subsection by adding the following sentence to the end of the paragraph: “It shall be unlawful to display, sell, store, or advertise for sale any Class 1.3G or 1.4G fireworks within the Village of Glenview.”
- (51) *Section 5608.2.1 Outdoor fireworks displays.* Amended to read as follows: “In addition to the requirements of Section 403 of this code, permit applications for outdoor fireworks displays using Division 1.3G fireworks shall include a diagram of the location at which the display will be conducted, including the site from which fireworks will be discharged; the location of buildings, highways, overhead obstructions and utilities; and the lines behind which the audience will be restrained. All outdoor fireworks displays shall be electronically fired using approved electronic firing units and approved mortar racks. All outdoor fireworks displays shall comply with the provisions of the Fireworks Regulation Act of Illinois, 425 ILCS 30/1, *et seq.*, and the Pyrotechnic Distributor and Operator Licensing Act, 225 ILCS 227/1, *et seq.*”
- (52) *Appendices.* The following appendices are adopted in their entirety - If there is a discrepancy between the code and the appendix, the code will govern:
Appendix B: Fire-Flow Requirements for Buildings
Appendix C: Fire Hydrant Locations and Distribution
Appendix D: Fire Apparatus Access Roads
Appendix E: Hazard Categories
Appendix F: Hazard Ranking
Appendix G: Cryogenic Fluids – Weight and Volume Equivalents
Appendix H: Hazardous Materials Management Plan (HMMP) and Hazardous Material Inventory Statement (HMIS) Instructions
Appendix I: Fire Protection Systems – Non-Compliant Conditions
Appendix J: Building Information Sign
Appendix K: Construction Requirements for Existing Ambulatory Care Facilities
Appendix M: High-Rise Buildings – Retroactive Sprinkler

Requirement Appendix N: Indoor Trade Shows and Exhibitions

Section 13: Every section and provision of this Ordinance shall be severable, and the invalidity of any portion of this Ordinance shall not affect the validity of any other portion of this Ordinance. If any part of this Ordinance is found to be invalid in any one or more of its several applications, all valid applications shall remain in effect.

Section 14: All ordinances, resolutions, or parts of ordinances or resolutions in conflict herewith are hereby repealed; provided, however that nothing in this Ordinance shall affect any rights, actions, or causes of action which shall have accrued to the Village of Glenview prior to the effective date of this Ordinance.

Section 15: This Ordinance shall be in full force and effect on January 1, 2024 after its passage and approval according to law.

PASSED this 5th day of December, 2023.

AYES: Bland Cooper DeBoni Doron Jones Sidoti

NAYS: None

ABSENT: None

APPROVED by me this 5th day of December,
2023

Michael Jenny, Village President of the
Village of Glenview, Cook County, Illinois

ATTESTED and FILED in my office
this 5th day of December, 2023

Matthew J. Formica, Village Clerk of the
Village of Glenview, Cook County, Illinois