Adoption of the 2018 International Residential Code and Amendments

The 2018 International Residential Code was adopted by the Village of Glenview through Ordinance #6347 on August 18, 2020

Building codes are adopted to provide a means to enforce building standards of construction and use, and are periodically updated to reflect the latest standards of life-safety and construction technology. These amendments are established on particular physical and aesthetic conditions within the Village as well as to provide consistency between Village, State and County codes.

Amendments to the International Residential Code;

The 2018 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 – 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 – 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 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 - Building Commission.

(12) *Section R113.4 Violation penalties*. Amended by adding the following new sentence at the end of the paragraph: "Penalties for violations of the provisions of this code shall be as provided in Section 1-16 of the Glenview Municipal Code for any given offense."

(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 fine equal to that of double the normal permit fees, excluding bonds and escrows, at the discretion of the Village's Inspectional Services Manager."

(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 complaint 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) *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	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

(18) *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."
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 P 2904. "

(19) *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.

(20) *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."

(21) *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:
    3.1. The aggregate area of the unprotected portions does not exceed 80 square feet per story
    3.2. 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."

(22) Section R309.3 Flood Hazard Areas (Garages and Carports) – Delete in its entirety.

(23) *Section R309.5 Garages and carports – fire sprinklers.* Deleted in its entirety.

(24) *Section R309 Garages and Carports*. Amended by adding a new subsection, *R309.5 Spill containment*, which reads as follows: "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."

(25) *Section R310.1 Emergency escape and rescue openings required.* Delete Exception No. 2 in its entirety.

(26) *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 m^2). 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 m^2).
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.

(27) *Section R310.2.5 Replacement windows.* Amend by replacing the Title to "Replacement window in existing openings".

(28) *Section 314 Smoke Alarms.* Amend by replacing the Title to "Smoke Alarms/ Heat Detectors".

(29) *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."

(30) *Section R314.2.1 New Construction.* Amend by replacing the Title to "New Construction – Smoke Alarms". Code text to remain as published.

(31) *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".

(32) *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 WiFi in order to limit service interruptions. Individual conditions to be reviewed by the inspector on the job."

(33) *Section R314.3 Location.* Amend by introducing a title heading only as follows:

(34) *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.

(35) *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".

(36) *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.

(37) *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."

(38) *Section R320 Accessibility*. Deleted in its entirety.

(39) *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."

(40) *Section R322 Flood Resistant Construction*. Deleted in its entirety.

(41) *Section R326 Swimming pool, Spa, and hot tubs.* Deleted in its entirety.

(42) *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. *Lots* shall be graded to drain surface water away from foundation walls. The *grade* shall fall not fewer than 6 inches (152 mm) within the first 10 feet (3048 mm).
Exception: Where lot lines, walls, slopes or other physical barrier prohibit 6 inches (152 mm) of fall within 10 feet (3048 mm), drains or swales shall be constructed to ensure 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."

(43) *Section R402.1 Wood foundations*. Deleted in its entirety.

(44) *Section R403 Footings*. Amended by deleting all references to "wood foundations."

(45) *Table R403.1(1), (2), & (3) Minimum Width and Thickness of Concrete Footings*. Amended to read as follows:

TABLE INSET:

	LOAD-BEARING VALUE OF SOIL (psf)			
	1,500	**2,000**	**3,000**	**$\geq 4,000$**
Light-frame construction (inches)				
1-story	19 x 8	18 x 8	18 x 8	18 x 8
2-story	23 x 8	18 x 8	18 x 8	18 x 8
3-story	26 x 8	20 x 8	18 x 8	18 x 8
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)				
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

(46) *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."

(47) *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 eight (8) 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."

(48) *Section 403.1.4. Frost protection (Minimum Depth Footings)*. Amended by deleting exception no. 2 and re-numbering no. 3 and 4 to nos. 2 and 3 respectively.

(49) *Section R403.3 Frost-protected shallow foundations*. Deleted in its entirety.

(50) *Section 404.1.8 Rubble stone masonry*. Deleted in its entirety.

(51) *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 HORIZTONAL 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.

(52) *Section 404.2 Wood foundation walls*. Deleted in its entirety.

(53) *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."

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

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

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

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

(58) *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 D_0, D_1 and D_2.

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.

(59) *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

a. 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.

b. 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 $^7/_{16}$ 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 $^5/_8$ 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, $1^{7}/_{8}$inches long, $^{15}/_{64}$-inch head for $^{5}/_{8}$-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.

(60) *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 D_0, D_1, D_2 and E.

c. $1^{1}/_{4}$-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 $^{3}/_{8}$ inch from the edges and ends of the gypsum board.

(61) *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."

(62) *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.

(63) *Chapter 11 – Energy Efficiency.* This Chapter is retained for Reference purposes only. For purposes of compliance, the proposed new work and replacement must meet the by Title 71, Part 600 of the Illinois Administrative Code (the "Illinois Energy Conservation Code)."

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

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

(66) *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 m^2) 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 m^2) 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."

(67) *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."

(68) *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."

(69) *Chapter 30 – Sanitary Drainage; through Chapter 33 – Storm Drainage*. Deleted in their entirety. The provisions of Title 77, Part 890 of the Illinois Administrative Code (the "Illinois Plumbing Code") amended per Glenview Ordinance No. 5928 shall apply.

(70) *Chapter 34 – General Requirements through Chapter 40 – Devices and Luminaries*. Deleted in their entirety. The provisions of Title 77, Part 890 of the Illinois Administrative

Code (the "Illinois Plumbing Code") amended per Glenview Ordinance No. 5928 shall apply.

(71) *Chapter 42 – Swimming Pools.* Delete this Section in its entirety.

(72) *Chapter 43 – Class 2 Remote-control, signaling and power-limited circuits.* Delete this Section in its entirety.

(73) *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"

(74) *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 A: Sizing and Capacities of Gas Piping

Appendix B: Sizing of Venting Systems Serving Appliances Equipped with Draft Hoods, Category I Appliances, and Appliances Listed for Use with Type B Vents
Appendix C: Exit Terminals of Mechanical Draft and Direct-vent Venting Systems
Appendix D: Recommended Procedure for Safety Inspection of an Existing Appliance Installation
Appendix E: Manufactured Housing Used as Dwellings
Appendix F: Radon Control Methods
Appendix O: Automatic Vehicular Gates