Adoption of the 2018 International Building Code and Amendments

The 2018 International Building 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 Building Code;

The 2018 edition of the ICC International Building Code (IBC) is hereby adopted for all construction other than one- and two-family dwellings and multiple single-family dwellings (townhomes) only as referred by the IBC 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 2018 International Plumbing Code
IPSDC 2018 International Private Sewage Disposal Code
IWUIC 2018 International Wildland-Urban Interface Code
ISPSC 2018 International Swimming Pool and Spa Code

(4) *Section 105.2 Work exempt from permit*. Delete in its entirety. Refer to the Glenview Municipal Code for requirements per Division 5 Sections 18-141.

(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 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."

(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 Chapter 1 Section 1-16 – General Penalties 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 406.3.2.1 Dwelling Unit Separation*. Amended to read: 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 protected 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 protected 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, Title 77, Part 890 of the Illinois Administrative 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 contract 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 Title 77, Part 890 of the Illinois Administrative Code (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 by adding a new subsection. 903.2.1 *New buildings, structures and additions to existing sprinklered buildings* which reads as follows: *"*Approved automatic fire sprinkler systems shall be installed in all new construction 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 2016 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. “

(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 systems 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 903.2.3.

(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 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."

(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: "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."

(28) *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 2016."

(29) *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."

(30) *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."

(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: "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."

(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 Standpipe Systems*. Amended by renumbering existing sections 905.3.1 through 905.3.8 to 905.3.2 through 905.3.9.

(36) *Section 905 Standpipe Systems*. Amended by adding a new subsection, *905.3.1 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."

(37) *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 and existing buildings and structures in all use groups.

Exceptions:

1. One- and two-family dwelling units, which are not Group Homes (R-4 Use Group).
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 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. C*orridors 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. 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 requirements of heat detector spacing for ceiling heights over ten feet. Automatic fire alarm systems shall comply with the 2016 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.

(38) *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 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."

(39) *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."

(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, *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."

(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 1205.5.1.2 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* and *sleeping units* from each other or from public or service areas and separating public or service areas from other public or services 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. Alternatively, the sound transmission class of walls, partitions and floor/ceiling assemblies shall be established by engineering analysis based on a comparison of walls, partitions and floor/ceiling assemblies having sound transmission class ratings as determined by the test procedure set forth in ASTM E90. 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 and commercial 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 1403.11 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 of this code."

(52) *Table 1405.2 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 General (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, and, as applicable, Title 77, Part 890 of the Illinois Administrative Code (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 from frost 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-1 and I-2 zoning districts, shall be safety glass. Each pane of tempered glass except tempered spandrel glass shall be permanently identified by the manufacturer as meeting CPCS 16 CFR Part 1201. 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 3001.2 Referenced standards (Elevator and Conveying Systems)*. Amended to read as follows: "Conveyance for which a building permit is issued as of the effective date of October 1 , 2012 (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 following standards and recommended practices:

1. American Society of Mechanical Engineers
   Three Park Ave.
   New York, NY 10016-5990
   A. Safety Code for Elevators and Escalators (ASME A17.1-2010/CSA B44-10) and Performance-Based Safety Code for Elevators and Escalators (ASME A17.7-2007/CSA B44.7-07);

B. Guide for Inspection of Elevators, Escalators and Moving Sidewalks (ASME A17.2-2012);
C. Safety Code for Existing Elevators and Escalators (ASME A17.3-2005)
D. Safety Standard for Platform Lifts and Stairway Chairlifts (ASME A18.1-2008);
E. Standard for Qualification of Elevator Inspectors (ASME QEI-1-2010).

2. American National Standards Institute (ANSI)
West 43rd Street, 4th Floor
New York, NY 10036
A. Safety Requirements for Personnel Hoists and Employee Elevators (ANSI A10.4-2007)

3. American Society of Civil Engineers (ASCE)
1801 Alexander Bell Drive
Reston, VA 20191-4400
A. Automate people Mover Standards (ASCE 21, Part 1-2005/2006, ASCE 21, Parts 2 through 4-2008)."

(66) *Section 3001.3 Accessibility*. Amended to read as follows: "Passenger elevators required to be accessible by Title 71, Part 400 of the Illinois Administrative Code (the "Illinois Accessibility Code") shall conform to ICC A117.1."

(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 of 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) *Chapter 32 – Encroachments into public right-of-way*. Deleted in its entirety.

(70) *Chapter 35 – 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 35 of this code.

1. NFPA 10 2018 (PER IFC) Edition: Standards for the Installation of Portable Fire Extinguishers
2. NFPA 13 2016 Edition: Standard for the Installation of Sprinkler Systems
3. NFPA 13D 2016 Edition: Standard for the Installation of Sprinkler Systems in One and Two Family Dwellings and Manufactured Homes
4. NFPA 13R 2016 Edition: Standard for the Installation of Sprinkler Systems in Residential Occupancies Up To and Including Four Stories in Height
5. NFPA 14 2016 Edition: Standard for the Installation of Standpipes, Private Hydrants, and Hose Systems
6. NFPA 17A 2017 Edition: Standard for the Installation of Wet Chemical Fire Extinguishing Systems
7. NFPA 20 2016 Edition: Standard for the Installation of Stationary Fire Pumps
8. NFPA 30 2018 Edition: Flammable and Combustible Liquids Code
9. NFPA 30B 2015 Edition: Standard for the Manufacture and Storage of Aerosol Products
10. NFPA 33 2016 Edition: Standard for Dipping and Coating Processes Using Flammable Liquids
11. NFPA 58 2017 Edition: Liquefied Petroleum Gas Code
12. NFPA 72 2016 Edition: National Fire Alarm Code
13. NFPA 96 2017 (PER IFC) Edition: Standard for the Installation of Hood and Duct Systems including Annex B: Mobile and Temporary Cooking Operations
14. NFPA 1123 2018 (PER IFC) Edition: Code for Outdoor Fireworks Displays
15. NFPA 1124 2017 Edition: Code for the Manufacture, Transportation, Storage, and Retail Sales of Fireworks and Pyrotechnic Articles
16. NFPA 1126 2016 (PER IFC) Edition: Standard for Proximate Audience Pyrotechnics”

(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: Rodentproofing