

2006 CODE AMENDMENTS

BOOK	SECTION #	RECOMMENDED CODE CHANGE	CONTEXT OF CODE	REASON FOR CODE CHANGE
IFGC, IPC, IMC, ICCEC	107.1.2, 702.1.1	<p>Replaced with: "The Code Official is authorized to conduct such inspections as are deemed necessary to determine compliance with the provisions of this code. Construction or work for which a permit is required shall be subject to inspection by the code official. The approval of a prefabricated construction assembly in modular housing and mobile structures having concealed electrical work, shall comply with applicable State of Illinois regulations. All other construction or work shall remain accessible and exposed for inspection purposes until approved.</p> <p>Approval as a result of an inspection shall not be construed to be an approval of a violation of the provisions of this code or of other ordinances of the jurisdiction. Inspections presuming to give authority to violate or cancel the provisions of this code or of other ordinances of the jurisdiction shall not be valid. It shall be the duty of the permit applicant to cause the work to remain accessible and exposed for inspection purposes. Neither the Code Official nor the jurisdiction shall be liable for expenses entailed in the removal or replacement of any material required to allow inspection."</p>	Evaluation and follow-up inspection services	Amends the code to allow for concealment of wiring and piping in state approved prefabricated construction only, and requires all other wiring and piping to remain exposed to allow for proper inspections
IFGC, IMC, IPMC, IPC, ICCEC, IBC	109.2, 109.2, 111.2, 109.2, 1102.1, 112.1	Replaced: "board of appeals." with "Village Board of the Village of Sugar Grove."	Administration - Means of Appeal	clarification, establishing Board of Appeals
IFGC	407.2	Added subsection: "Section 407.2.1 Structural Attachment. All fuel gas piping shall be supported or fastened directly to the structural supports of the building. Fuel gas piping shall not be hung from the roof or floor deck above or other ductwork or piping."	Structural Support	Clarifies where the code required hangers, brackets, etc. can be attached to the building.

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IFGC	411.1	Replaced "Except as required by Section 411.1.1, appliances shall be connected to the piping system by one of the following:" with "Furnaces, water heaters, and boilers (unless specifically required by the manufacturer) shall be connected to the gas piping system by only rigid metallic pipe and fittings. Appliances, except for furnaces, water heaters, boilers, and as required by section 411.1.1 shall be connected to the gas piping system by one of the following:"	Connecting Appliances	Requires rigid connections to equipment that is permanently installed and would not need to be moved. Allows flex at stoves, dryers, etc. only.
IFGC	Appendices A,B,C & D	Adopted & Inserted	Appendices regarding gas pipe sizing, vent system sizing, exit terminals and safety	These appendices are informative and not part of the code.
IEC	301.1	Added subsection: "Section 301.1.1 Sugar Grove Climate Zone. Residential and commercial energy efficiency in the Village of Sugar Grove shall meet or exceed the requirements for climate zone 5."	Climate Zones	Clarify which zone requirements apply since Sugar Grove sits close to the border of 2 zones on the map
IEC	402.1.4	Added subsection: "Section 402.1.4.1 Required Documentation. Thermal envelopes designed using the total UA alternative shall provide documentation that meets the requirements of section 404."	Total UA (sum of U-factor times assembly area) Alternative	Requires designers to submit calculations if they choose this alternative to achieve thermal envelope requirements
IEC	402.2.1	deleted entire section	ceilings with attic spaces	Deletes section that would allow a reduction of required insulation R-value in a certain situation
IEC	402.2.2	deleted entire section	ceilings without attic spaces	Deletes section that would allow a reduction of required insulation R-value in a certain situation

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IEC	404.2	Added subsection: "Section 404.2.1 Minimum Insulation Values. All residences designed using the simulated alternative shall meet the following requirements for minimum values of insulation:"	Simulated performance alternative	Requires that even if a designer computer models his thermal envelope, they must still meet our current minimum insulation requirements
IEC	501.2	Replaced: "compliance for that section(s) shall be demonstrated in accordance with the applicable provisions of ASHRAE/IESNA 90.1." with "compliance for all sections shall be demonstrated by including the compliance forms published in the ASHRAE 90.1 User Manual, the compliance certificates generated by the U.S. Department of Energy's COMCheck computer simulation, or another comparable energy efficiency model that meets or exceeds the standards of ASHRAE 90.1 or DOE COMCheck."	Commercial Energy Efficiency	Details the type of submittal required to show ASHRAE compliance per Illinois Capital Development Board Energy Conservation Law
IEC	501.2	Deleted entire exception	Exception	Deletes exception so it now requires submittal of ASHRAE compliance forms even if building meets all code sections
IMC	107.2	Inserted: "A certified test and balance report shall be submitted and approved prior to final occupancy. The Code Official shall have the authority to waive the requirement at his discretion."	Testing	Requires all mechanical systems to be properly balanced and a report submitted
IMC	305.3	Inserted: "All piping shall be supported or fastened directly to the structural supports of the building. Mechanical piping shall not be hung from the roof or floor deck above or other ductwork or piping."	Structural Attachment	Requires code required pipe anchors, hangers and supports to be attached to building structure
IMC	501	Added Subsection: "Section 501.5 Independent system required. Single or combined mechanical exhaust systems from bath, toilet, urinal, locker, service sink closets and similar rooms shall be independent of all other exhaust systems."	Exhaust Systems	Adds back in the code requirement for separate exhaust to toilet rooms that was removed from this code version

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IMC	602.2.1	Added Sentence: Nonmetallic ducts shall not be used in a non-combustible plenum; Exception 1 is amended by replacing with: Rigid and flexible metallic ducts and connectors shall conform to Section 603."	Materials Exposed within Plenums	Clarifies the type of duct material allowed in plenums
IMC	603.6.2.1	Replaced with: "Flexible air connectors shall be limited in length to ten feet (3048 mm)."	Connector Length	Reduces allowable flexible duct lengths from 14 ft. to 10 ft.
IMC	603.1	Added sentence: "All duct work or mechanical equipment shall be supported or fastened directly to the structural supports of the building. Mechanical equipment and duct work shall not be hung from the roof or floor deck above or other ductwork or piping."	Supports	Requires code required duct hangers to be attached to building structure
IMC	801.14	Added subsection: "Section 801.14.1 Automatic Shutoff: Power exhausters shall be electrically connected to each appliance to prevent the operation of the appliance when the power exhauster is not in operation."	Connections to Exhauster	Requires systems with power exhausters to not function if the power exhauster is not operating
IMC	Appendix A	Adopted and Inserted	Appendix	Diagrams of combustion air openings and chimney connector pass throughs
IPMC	108.3	Replaced with "The designation of a structure as unfit for occupancy or use and the posting of a placard of such unfit structures shall be carried out in compliance with the following requirements: Any structure which is found by the Code Official to have any..."	Uninhabitable Structures	Differentiates between uninhabitable and condemned and sets up procedure for dealing with uninhabitable structures
IPMC	302.3	Added sentence: "All parking lot striping including accessible parking spaces and signage shall be maintained and updated in accordance with the requirements as specified in the Illinois Accessibility Code."	Exterior Property Areas	Adding Illinois Accessibility Code requirement
IPMC	302.4	Inserted: "8" (eight inches)"	Exterior Property Areas	Clarifies maximum weed height
IPMC	304.14	Inserted: "April 1" and "November 1"	Insect screens	Clarifies dates that insect screens are required on door and window openings

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BOOK	SECTION #	RECOMMENDED CODE CHANGE	CONTEXT OF CODE	REASON FOR CODE CHANGE
IPMC	307	Added Subsection: "Section 307.4 Placement at Designated Pick-Up Area. Rubbish, garbage, garbage cans and / or recycling containers shall be placed out on the designated pick up area no earlier than 3:00 p.m. (1500 hours) the day before pick up. Cans and containers shall be removed from the designated pick up area no later than 8:00 p.m. (2000 hours) the day of pick up."	Rubbish and Garbage	Restriction on putting out / bringing in garbage receptacles to keep trash from accumulating and remaining in the right-of-way, especially on move outs
IPMC	404.4.4	Replaced with: "Kitchens, closets and storage rooms, utility rooms, laundry rooms, dens, hallways, stairs, bathrooms and toilet rooms, garages, accessory buildings, crawl spaces, attics, uninhabitable spaces, interior public areas and rooms not designed or intended as sleeping rooms or bedrooms shall not be occupied for sleeping purposes."	Prohibited Occupancy	Clarifies sleeping room occupancy definition
IPMC	404.4.5	Replaced with: "and the fire safety requirements of Chapter 7."	Other bedroom and living room requirements	Makes rooms meet all Chapter 7 requirements, not just limited ones
IPMC	602.3	Inserted: "September 1" and "May 1"	Heat Supply	Setting dates for heat supply in dwelling units
IPMC	602.4	Inserted3: "September 1" and "May 1"	Occupiable Work Spaces	Setting dates for minimum heat supply in work spaces
IPMC	702.3.1	Added sentence: "Doors providing access to a sleeping room in a dwelling unit shall not have any locks, padlocks, hasps or other locking devices which are not an integral part of the doorknob assembly."	Locked doors	Added requirements for sleeping rooms to have ready access to egress with use of keys, etc.
Illinois State Plumbing Code	890.191	Added sentence: "When scheduling a rough plumbing inspection, a water test must be provided on the drain waste & vent system per section 890.1930b of the Illinois State plumbing Code (in winter conditions, contact the Village of Sugar Grove first)."	Inspections & Test Methods	Clarifying that the Village of Sugar Grove always requires a water test that the code says "may" be required
IPC	305.6.1	Replaced with: "Building sewers that connect to private sewage disposal systems shall be under the jurisdiction of Kane County Health Department. All other building sewers shall be as specified in Village of Sugar Grove ordinance."	Sewer Depth	Village doesn't have jurisdiction over septic systems

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IPC	308.4	Added sentence: "All plumbing piping shall be supported or fastened directly to the structural supports of the building. Plumbing piping shall not be hung from the roof or floor deck above or other ductwork or piping."	Structural Attachment	Clarifies where the code required hangers and anchors can be attached to the building
IPC	406	Subsection added: "Section 406.4 Drain Pans. When washing machines and/or water heaters are located on the first or second floor or higher, a drain pan shall be required. The pan shall have a minimum one inch (1") diameter drain line that discharges into a floor drain or the nearest convenient drain. A pan shall not be required when the washing machine and/or water heater is located on the basement floor or concrete slab and there is a floor drain located in the immediate vicinity."	Drain Pans	Addition of requirement for drain pans located under clothes washers located upstairs to keep spills from damaging wood floor structures similar to those already required by code at water heaters and water storage tanks
IPC	605.3	Table deleted and replaced with attached.	Water Service Pipe	Eliminate other options for types of water supply pipes to match only those allowed by other Village of Sugar Grove ordinances
IPC	605.3	Added sentence: "Water service pipe shall be of such diameter as specified in Village of Sugar Grove ordinance and in accordance with AWWA publication M-22 entitled, Water Service Lines and Meters. Service line diameter is dependent upon peak water demand and meter distance from main. Minimum service diameter shall be one inch (1")."	Water Service Pipe	Matches the language in other Village of Sugar Grove ordinances regarding water service pipe requirements
IPC	605.4	Table replaced with the attached.	Water Distribution and Supply Pipe	Modifies the table to only allow metallic water piping to continue current Village amendments not allowing plastic piping

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IPC	605.5	Table replaced with the attached.	Pipe Fittings	Modifies the table to only allow metallic water piping to continue current Village amendments not allowing plastic piping
IPC	709.1	Table added to with the attached.	Values for Fixtures	Made the required trap size in the chart match Illinois Plumbing Code requirements
IPC	904.1	Inserted: "twelve (12") inches"	Roof Extension	Clarifies the minimum height above roofs that open pipe vents must extend to match Illinois Plumbing Code requirements
IPC	917	Deleted all subsections in their entirety.	Air Admittance Valves	Illinois Plumbing Code does not allow the use of air admittance valves
IPC	1113.1.4	Added sentence: "All sump pump discharge lines shall be bedded in minimum two inches (2") of stone."	Sump Pump Piping	Adds requirement for proper bedding of buried pipe
IPC	Appendices B, D, and F	Adopted and inserted.	Appendices	Appendix B clarifies the rainfall rates shown in map / figure 1106.1 for certain cities. Appendix D lists degree days and design temperatures for cities. Appendix F reiterates the limits on notching and boring holes for piping required in other volumes of the code
ICCEC	502.2	Replaced: "Reviewed for Code Compliance" with "APPROVED".	Approval of construction documents	Changed to be consistent with the other code books' language and our actual procedure

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ICCEC	801	Subsection added: "Section 801.4 Electrical Service Attachments. Electrical service attachments shall be installed in accordance with the requirements of the electrical utility company, subject to the approval of the Code Official."	Service utilities	Clarifies that portions of electrical service installations fall outside the scope of Building Codes and are regulated by laws, codes and regulations that the utilities must comply with
ICCEC	801	Subsection added: "Section 801.5 Service Conductors in Yards. Electrical services for single family homes shall be located on the side of the house closest to the electrical source. The service may only be located on the rear of the house if the garage is located on the side closest to the electrical source. All conductors running from the electrical source shall run parallel to the property line to a point 90 degrees from the electrical service. Conductors shall not run through any portion of the rear yard that would prevent the homeowner from constructing an addition or pool without having to relocate the electrical service conductors."	Connection of service utilities	Requires the utility companies to make their service runs in the easements provided rather than the shortest route across the lot which can cause issues and great expense for owners wishing to do future construction in their yards
ICCEC	1201.1	Replaced "NFPA &" with "NFPA 70: National Electrical Code, 2005 Edition."	Adoption	Clarifies which edition of the NEC is being enforced
ICCEC	1202.2	Added sentence: "Type NM, Type NMC and Type NMS cable wiring methods shall be permitted to be used in one and two family dwellings only."	Non metallic-sheathed cable	Continues the existing Village ordinance not allowing "Romex" in commercial construction
ICCEC	1202.5	Replaced: "the International Building Code" with "the International Building Code or International Residential Code"	Smoke detector circuits	Requires a light to be on the same circuit as the smoke detectors in residential and commercial so problems with the circuit (dropped breaker, etc.) are detected by the occupants
ICCEC	1202	Added subsection: "Section 1202.17 Unused Wiring. All wiring, fittings and electrical materials not in use shall be removed."	Unused wiring	Requires removal of abandoned work

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ICCEC	1202	Added subsection: "Section 1202.18 Ground-Fault Circuit-Interrupter Protection for Personnel in Other Than Dwelling Units. In addition to the locations required by 2005 National Electric Code, all 125-volt, single-phase, 15- and 20-ampere receptacles installed in the locations specified below in other than dwelling units shall have ground-fault circuit interruption protection for personnel:	GFCI protection	Extends GFCI protection in commercial buildings to the same areas that require it in residential uses
ICCEC	1202	Added subsection: "Section 1202.19 Island Counter Spaces. At least one receptacle outlet shall be installed at each end of an island counter space."	Island counter spaces	Adds the requirement for an additional receptacle beyond the one currently required in islands
ICCEC	1202	Added subsection: "1202.20 Receptacles for Garage Door Openers. A minimum of one overhead receptacle shall be installed for each garage door in any residential dwelling unit in addition to the code required convenience receptacle."	Receptacles for garage door openers	Requires the installation of a receptacle in the garage ceiling where homeowners are likely to add garage door openers
ICCEC	1202	Added subsection: "Section 1202.21 Light at Sump. When a sump pump or ejector pump is installed in an area not illuminated, a light shall be provided."	Light at sump	Provides light at pumps in basement that may need service
ICCEC	1202	Added subsection: "Section 1202.22 Ceiling Box Support. All ceiling mounted lighting outlet boxes installed more than three feet from all walls of any room in a dwelling unit shall be listed and shall be marked by the manufacturer as suitable for sole-support of a ceiling-suspended (paddle) fan and shall be secured according to the listing directions. The marking shall include the maximum weight to be supported. Dwelling garages, basements, closets and bathrooms are excluded."	Ceiling box support	Requires the installation of boxes capable of supporting fans in the center of rooms where homeowners are likely to install them

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ICCEC	1202	Added subsection: "Section 1202.23 Tenant Access. Each tenant shall have direct access to a main service disconnecting means and all panel boards, etc. that contain breakers or fuses that protect any electrical devices in that tenant unit. (Direct access means a common area that has no locks or the tenant can get to the panel or switchboard without going through another tenant space.)"	Tenant Access	Clarifies the code requirements for access to disconnecting means. Each tenant should be able to drop power to his unit to allow for repairs and in case of emergency.
ICCEC	1202	Added subsection: "Section 1202.24 Exterior Disconnect for Services Over 400A. All buildings with a main service at 400 amps or more shall provide a means of disconnect at the building exterior."	Exterior disconnect for services over 400A	Safety for firemen that normally have to break out the meter face to drop the main power from the building exterior
ICCEC	1202	Added subsection: "Section 1202.25 Location of Overcurrent Protection. The service overcurrent device shall be connected by no more than 5 feet of raceway or service entrance cable from the meter device in dwellings."	Location of overcurrent protection	Clarifies the ambiguous term "immediately adjacent" used by the NEC to mean no more than 5 feet
ICCEC	1202	Added subsection: "Section 1202.26 Independent Supporting Methods. All lighting fixtures, panel boards, switchgear, and / or supporting devices for conduit systems, installed in buildings or structures shall be installed and supported by the building structural components, completely independent of roof or floor deck, piping or ductwork, drywall, or ceiling tile. Lighting fixtures (in ceiling grid systems) shall be supported in accordance to manufacturer's requirements."	Independent supporting means	Clarifies the NEC requirements for support of lighting fixtures and parts of the structure not to be used for support
ICCEC	1202	Added subsection: "Section 1202.27 Non-Metallic Boxes. The use of non-metallic boxes is prohibited except for low voltage applications."	Non-metallic boxes	Continues the existing Village ordinance prohibiting non-metallic boxes

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ICCEC	1202	Added subsection: "Section 1202.28 Concealed Knob-and-Tube Wiring. The use of concealed knob-and-tube wiring is prohibited. Existing installations shall not require removal, alteration or abandonment of, nor prevent the continued utilization and maintenance of properly maintained knob-and-tube wiring lawfully in existence at the time of the adoption of this code. Such installations may only be repaired and shall not be expanded."	Concealed knob and tube	Continues the existing Village ordinance prohibiting knob and tube wiring
IBC	903.2	Adding sentence: "An automatic sprinkler system shall be provided throughout all buildings or structures where a fire area of any use or occupancy classification or combination of uses or occupancy classifications exceeds 5,000 square feet."	Where required	Re-establishes the threshold for fire sprinklers at 5,000 square feet to match current Village of Sugar Grove code amendments
IBC	903.3.1.1	Adding at the end of the paragraph: "...in accordance with NFPA 13 except as provided in Section 903.1.1.1."	NFPA13 Sprinkler Systems	Publishing error - code book sentence is incomplete
IBC	903.3.1.1.1	Adding to number 3 "when approved by the Fire Code Official."	Exempt Locations	Requires Fire Code Official approval to not sprinkler rooms with generators or transformers
IBC	903.3.1.1.1	Deleted number 4 in its entirety.	Exempt Locations	Deletes the exemption that would allow non-combustible rooms with wholly non-combustible contents from being sprinklered
IBC	1011.1	Replaced exception 1 with: "Exit signs are not required in rooms or areas where only one exit or exit access are provided and it is obviously and clearly identifiable as the exit."	Where required	Requires exit signs in rooms that only "require one exit" if that exit is not clearly identifiable

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BOOK	SECTION #	RECOMMENDED CODE CHANGE	CONTEXT OF CODE	REASON FOR CODE CHANGE
IBC	1608	Added subsection: "Section 1608.3 Snow Load Minimum. All structural designs in the Village of Sugar Grove shall meet or exceed a 25 pound ground snow load minimum with no reductions."	Snow Loads	Clarifies which design snow load to use since the Village of Sugar Grove sits near the border of 2 zones on the map
IBC	1612.3	Inserted: "the Village of Sugar Grove" and " most recent"	Establishment of Flood Hazard Areas	Fills in blanks regarding flood hazard information
IBC	1612.4	Added: "and any applicable Kane County Storm Water Ordinance or FEMA requirements."	Design and Construction	Lists other requirements that may need to be met for construction in a flood hazard area
IBC	1801	Added subsection: "Section 1801.3 Continuous Foundations. Buildings and structures and the walls enclosing habitable or occupiable rooms shall be provided with a continuous foundation."	General	Requires habitable buildings to have continuous foundations. Was a previous amendment for residential, now commercial also.
IBC	1805.4.5	Deleted entirely	Timber Footings	Re-establishes current Village of Sugar Grove code amendment that does not allow wood footings and foundations
IBC	1805.4.6	Deleted entirely	Wood Foundations	Re-establishes current Village of Sugar Grove code amendment that does not allow wood footings and foundations
IBC	2304.11.4.1	Replaced: "of preservative-treated wood." with "prohibited."	Wood in contact with the ground	Re-establishes current Village of Sugar Grove code amendment that does not allow wood footings and foundations

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IBC	3410.2	Inserted: "January 30, 1965"	Applicability	Fills in the date of first building code for jurisdiction
IRC	R202	Replaced the definition for "Accessory Structure"	Definitions	Changed definition to match Village of Sugar Grove's Zoning Ordinance
IRC	R202	Replaced the definition for "Manufactured Home"	Definitions	Changed definition to match State definition
IRC	R202	Added the definition for "Modular Home"	Definitions	Added definition to match State definition
IRC	R301.2(1)	Amended Climatic & Geographic Design Criteria Table	Climatic and Geographic design criteria	To reference our Geographic location
IRC	R301.2.4	Added: Applicable Kane Co. Stormwater Ordinance requirements, FEMA or Village flood plain ordinance.	Floodplain Construction	Lists other requirements that may need to be met for construction in a flood hazard area
IRC	R309.1	Added: "Provide surface mounted closer or self-closing hinges. Glass is not permitted in the doors."	Opening Protection	Changed requirements to match current Village of Sugar Grove code amendments
IRC	R309.2	Replaced all references to "1/2 inch gypsum board" with "5/8 inch Type X gypsum board" and added: "All code required 5/8 inch Type X gypsum at garage interior shall be taped with a minimum of one coat of approved joint compound." Replaced "3 feet" with "10 feet".	Separation Required	Changed requirements to match current Village of Sugar Grove code amendments
IRC	R309.3	Added: garage gas curb and stairwell in garage	Floor Surface	Changed requirements to match current Village of Sugar Grove code amendments
IRC	R310	Added sill height maximum above floor for egress windows in basement	Emergency Escape and Rescue	Changed requirements to match current Village of Sugar Grove code amendments

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IRC	R310.2.1	Replaced "44 inches" with "36 inches" for the minimum height requirement for a ladder or stps inside a window well	Ladder and Steps	Changed requirements to match current Village of Sugar Grove code amendments
IRC	R311.2.2	Added 5/8" type X gypsum board, taped with a minimum of one coat of approved joint compound	Under Stair Protection	Increased fire resistance required at enclosed storage under stairs
IRC	R311.4	Added requirement for 2nd exit door for egress at grade	Doors	Changed requirements to match current Village of Sugar Grove code amendments
IRC	R313.1	Added installation provision requirement for Illinois Smoke Detector Act (425ILCS60)	Smoke Detection and	Incorporate State of Illinois Act
IRC	R313	Added Carbon Monoxide Alarm Detector requirement per the Illinois Carbon Monoxide Alarm Detector Act (Public Act 094-0741)	Carbon Monoxide Alarm	Incorporate State of Illinois Act
IRC	R317.1	Increased the fire-resistance rating from 1 to 2 hours on a two family dwelling except where an automatic sprinkler system is installed. Also sets requirement for 1/2 inch gypsum board on the ceiling.	Two Family Dwellings	Changed requirements to match current Village of Sugar Grove code amendments
IRC	R317.2	Added requirement for mold resistant gypsum board to be used in fire resistance rated wall assemblies	Townhouses	Changed requirements to match current Village of Sugar Grove code amendments
IRC	R319.1.2	Eliminated the use of wood construction for supports for permanent structures for human occupancy that come in contact with the ground	Ground Contact	Re-establishes current code amendment that does not allow wood footings and foundations
IRC	R319.1.4	Eliminated the use of wood supports embedded in concrete that come in contact with the earth	Wood Columns	Re-establishes current code amendment that does not allow wood footings and foundations

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IRC	R321.1	Added "Site addresses shall comply with all Village of Sugar Grove ordinances"	Premises Identification	Refers to Village of Sugar Grove code for specific requirements in addition to building code
IRC	R324.1	Added "and any applicable Kane County storm water ordinance, FEMA, or Village of Sugar Grove flood plain ordinance requirements."	Flood Resistant Construction	Lists other requirement that may need to be met for construction in a flood hazard area
IRC	R401.1	Entirely deleted all references to wood foundations including any exceptions. Wood foundations shall be prohibited.	Application of Provisions	Re-establishes the current Village of Sugar Grove code amendment that does not allow wood footings or foundations
IRC	R402.1	Entirely deleted section. Wood foundations shall be prohibited.	Wood Foundations	Re-establishes the current Village of Sugar Grove code amendment that does not allow wood footings or foundations
IRC	R403	Entirely deleted all references to wood foundations including Figures R403.1 (2) and R403.1 (3). Wood foundations shall be prohibited.	Footings	Re-establishes the current Village of Sugar Grove code amendment that does not allow wood footings or foundations
IRC	R403.1	Added "All accessory structures over 200 square feet shall have a foundation system (piers and / or monolithic slabs with integral footings are acceptable). The accessory structure shall be anchored to the foundation system."	Footings	Adds language to the code for what has been Village of Sugar Grove policy

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IRC	R403.1.1	Added "The footing width, W, shall be at least twice the width of the foundation wall being supported."; And replaced "Spread footings shall be at least 6 inches (152 mm) thick" with "Spread footings shall be at least as thick as the width of the foundation wall being supported."; And replaced "Footing projections, P, shall be at least 2 inches (51mm)" with "Footing projections, P, shall be at least one half the width of the foundation wall being supported".	Footings - minimum size	Adds to or alters language of code to match standard local construction procedures and current Village of Sugar Grove policies
IRC	R403.1.1	Added subsection: "R403.1.1.1 Isolated Footings. Isolated concrete footings for columns or pedestals shall be properly sized for all loads supported and for soil conditions. Isolated plain concrete footings shall be a minimum of 12" thick and shall be protected from frost "	Isolated Footings	Clarifies minimum requirements for isolated footings
IRC	R403.1.4.1	Exception number 3 is entirely deleted and replaced with "Decks not supported by a dwelling and / or not serving as a portion of the required egress to grade need not be provided with footings that extend below the frost line."	Frost protection	Adds language to the code for what has been Village of Sugar Grove policy
IRC	R403.1.5	Added "A keyway shall be provided in the top of the footing underneath the center line of the foundation wall for the entire length of the wall. When reinforcing steel is a structural component of the intersection of the footings and foundation, the keyway may be omitted."	Slope	Adds to or alters language of code to match standard local construction procedures and current Village of Sugar Grove policies
IRC	R403.1.6	Added "Gaps between sill plates and foundations shall be sealed with mortar, sill-sealer, or similar approved material."	Foundation Anchorage	Adds to or alters language of code to match standard local construction procedures and current Village of Sugar Grove policies
IRC	R403.1.6	Deleted exception numbers 2 and 3	Foundation Anchorage	Eliminates two exceptions that would allow no anchor bolts in walls up to 24 inches in length

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IRC	R403.2	Deleted "Wood foundations shall be prohibited"	Footings for wood foundations	Re-establishes the current Village of Sugar Grove code amendment that does not allow wood footings or foundations
IRC	R403.3	Added "Frost protected shallow foundations shall be allowed only with specific permission of the Code Official."	Frost protected shallow foundations	Requires code official approval to buildings without footings down below frost line
IRC	R404.1.5.1	Deleted entirely	Pier and curtain wall foundations	Changed requirements to match current Village of Sugar Grove code amendments
IRC	R404.1	Added Subsection: "R404.1.9 Foundations at Additions. All foundations at additions shall be anchored to existing foundation walls with imbedded, grouted dowels or other approved methods."	Foundations at additions	Adds to or alters language of code to match standard local construction procedures and current Village of Sugar Grove policies
IRC	R404.2	Deleted all subsections and related tables in their entirety. Wood foundations shall be prohibited.	Wood foundation walls	Re-establishes the current Village of Sugar Grove code amendment that does not allow wood footings or foundations
IRC	R405.2	Deleted all subsections and related tables in their entirety. Wood foundations shall be prohibited.	Wood Foundations	Re-establishes the current Village of Sugar Grove code amendment that does not allow wood footings or foundations
IRC	R406.3	Deleted all subsections and related tables in their entirety. Wood foundations shall be prohibited.	Damp proofing for wood foundations	Re-establishes the current Village of Sugar Grove code amendment that does not allow wood footings or foundations

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BOOK	SECTION #	RECOMMENDED CODE CHANGE	CONTEXT OF CODE	REASON FOR CODE CHANGE
IRC	R407.1	Replaced with ""Posts, poles, and columns supporting structures shall not be embedded in concrete that is in direct contact with the earth or exposed to the weather.""	Wood column protection	Requires structural wood posts to be elevated on concrete, helps with rotting, makes replacement easier
IRC	R408	Added Subsection: "R408.8 Crawl Space Floor Slab. In all crawl space areas, a minimum of two (2) inch thick slush coat of poured concrete shall be installed over a minimum of a six (6) mil-thick polyethylene film moisture barrier with all joints lapped a minimum of six (6) inches, over a minimum of four (4) inch stone.	Crawl space floor slab	Changed requirements to match current Village of Sugar Grove code amendments
IRC	R502.7	Deleted "exceeding a nominal 2 inches by 12 inches (51mm by 305mm)" and replaced "1 inch by 3 inch" with "nominal 2 inch by 4 inch"	Lateral Restraints at supports	Requires bridging at all floor joists not just over 2x12's and increases minimum size of bridging
IRC	R502.11.4	Added to item number 4.1: ", including snow load" and added a new item number "13. Truss placement diagram / layout design."	Truss Design Drawings	Requires truss placement plans along with the individual truss certs
IRC	R502	Added subsection: "R502.14 Protection of Wood I-Joists and Trusses. All prefabricated wood I-joists and / or wood trusses used in a floor / ceiling assembly shall be protected by one of the following: 1. A minimum of one layer of 5/8 inch drywall taped with minimum one coat of approved joint compound. The floor / ceiling assembly shall be draftstopped per R502.12. 2. Installation of an approved automatic fire sprinkler system in accordance with NFPA 13."	Protection of wood I-joists and trusses	Changed requirements to match current Village of Sugar Grove code amendments
IRC	R504	Deleted with all subsection in their entirety.	Pressure preseratively treated wood floors (on ground)	Prohibits wood basement floor construction

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BOOK	SECTION #	RECOMMENDED CODE CHANGE	CONTEXT OF CODE	REASON FOR CODE CHANGE
IRC	R506.1	Replaced "3.5 inches" with "4 inches" and added the following sentences: "Provide a minimum of 6x6x10x10 welded wire fabric embedded in the mid cross section of all slabs subjected to vehicular loading. Fiber reinforcing can be used in place of welded wire. The contractor shall supply copies of all the load tickets for all the fiber reinforced concrete placed for approval."	Concrete floors (on ground)	Re-establishes current Village of Sugar Grove requirement of 4" thick slabs and clarifies when and what type of reinforcing is required as a minimum
IRC	R506.2.1	Added subsection "R506.2.1.1 Back-Fill under Concrete Floors at Attached Garages. The sub-base for poured concrete garage floors shall be undisturbed inorganic soil. All fill material shall be clean, compactable graded sand, crushed stones, or gravel placed in compacted lifts..."	Site Preparation	Changed requirements to match current Village of Sugar Grove code amendments
IRC	R506.2.2	Replaced "consisting of clean" with "consisting of compacted clean"	Base	Adds requirement to compact the courses of fill
IRC	R506.2.4	Replaced "reinforcement" with "wire mesh or woven wire fabric reinforcement" and added, "Exception: Contractor shall provide letter of intent indicating they will ensure proper placement of reinforcement."	Reinforcement support	Allows contractors to submit letters of intent to comply with new code requirement regarding placement of reinforcement
IRC	R602.2	Replaced "No.3, standard" with "No. 2, standard"	Grade	Raises minimum grade for framing studs
IRC	R703.9	Replaced with "All Exterior Insulation Finish Systems (EIFS) installed on any portion of a one- and two-family dwelling or accessory structure shall be installed only on masonry or metal substructure components. EIFS shall not be installed over, next to, or in contact with wood materials."	EIFS - General	Changed requirements to match current Village of Sugar Grove code amendments

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BOOK	SECTION #	RECOMMENDED CODE CHANGE	CONTEXT OF CODE	REASON FOR CODE CHANGE
IRC	R703.9	Added subsection "R703.9.3 EIFS Special Inspections. Any and all exterior insulation finish system (EIFS) installed on any portion of a one- or two-family dwelling for an exterior covering requires a certification or proper installation be submitted as a special inspection. Before permit issuance, a statement of special inspections prepared by the registered design professional shall be submitted detailing the individuals and approved agencies intended to be retained for conducting these inspections. This report and signed certification shall be submitted to the Village before any occupancy will be granted"	EIFS - Special inspections	Requires special inspections of EIFS at one- and two-family dwellings like IBC requires for all other buildings
IRC	R802.3.1	Added "Where ceiling joists are not connected to the rafter at the top wall plate, rafters shall be connected to wall plates by use of approved connectors having a resistance to uplift of no less than 175 pounds and shall be installed in accordance with the manufacturer's specifications."	Ceiling joint and rafter connections	Adds back in the code the requirement for connectors at tray and cathedral ceilings that was removed from this code edition
IRC	R802.10.1	Added to item number 4.1: ", including snow load" and added a new item "13. Truss placement diagram / layout design."	Wood trusses	Requires truss placement plans along with the individual truss certs
IRC	R903	Added subsection "R903.6 Gutters and Downspouts. All one- and two-family dwellings shall be provided with gutter and downspouts unless omission is specifically permitted by the Code Official."	Gutters and Downspouts	Requires gutters and downspouts to convey water away from the foundation wall
IRC	R1003.9	Added "All wood or solid fuel burning appliances and stoves shall be equipped with an approved / labeled spark arrestor"	Chimney Termination	Changed requirements to match current Village of Sugar Grove code amendments
IRC	N1101.2	Deleted the first sentence and replaced with, "Compliance shall be demonstrated by meeting the requirements of the International Energy Conservation Code, all Village of Sugar Grove amendments to the International Energy Conservation Code, and the requirements of this chapter".	Energy Efficiency	Clarifies all requirements to be met for residential energy efficiency

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BOOK	SECTION #	RECOMMENDED CODE CHANGE	CONTEXT OF CODE	REASON FOR CODE CHANGE
IRC	M1201	Added subsection "M1201.3 Compliance. The installation of all mechanical appliances, systems, and equipment in one- and two-family dwellings shall comply with the applicable provisions of Chapters 12 thru Chapter 23 inclusive, the International Mechanical Code, and all Village of Sugar Grove amendments to the International Mechanical Code"	Mechanical Compliance	Clarifies all requirements to be met for residential mechanical installations
IRC	M1305.1	Added subsection "M1305.1.5 Prohibited locations. Appliances designed to condition habitable spaces of a one- or two- family dwelling shall not be located in a garage except if elevated in accordance with Section M1307.3 and installed in a dedicated enclosure in which all combustion air is taken directly from the outdoors in accordance with Section M1703. Access to such enclosures shall be through a solid door, weather-stripped in accordance with the exterior door leakage requirements in the International Energy Conservation Code and equipped with a self-closing device."	Prohibited Locations	Prohibits furnaces and boilers in garages of one- and two-family dwellings
IRC	M1602.1	Added "Return air vents connected to the heating and cooling system shall be located in every habitable room of a dwelling except as prohibited by section M1602.2."	Return Air	Requires return air in each room to allow HVAC systems to work well with interior room doors closed
IRC	Chapter 22	Deleted in its entirety, including all subsections.	Special piping and storage systems	Village of Sugar Grove does not allow fuel oil storage tanks for one- and two-family dwellings
IRC	G2401.1	Replaced with "The installation of fuel-gas piping systems, fuel-gas utilization equipment and related accessories, venting systems and combustion air configurations in one- and two-family dwellings shall comply with the applicable provisions of Chapter 24 and 25 inclusive, the International Fuel Gas Code, and all Village of Sugar Grove amendments to the International Fuel Gas Code "	Fuel Gas Compliance	Clarifies all requirements to be met for residential fuel gas installations

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BOOK	SECTION #	RECOMMENDED CODE CHANGE	CONTEXT OF CODE	REASON FOR CODE CHANGE
IRC	P2601.1	Replaced with "The installation of all plumbing appliances, equipment, and systems in one- and two-family dwellings shall comply with the applicable provisions of Chapters 26 thru 32 inclusive, the International Plumbing Code, State of Illinois Plumbing Code, and all Village of Sugar Grove amendments to the International Plumbing Code and State of Illinois Plumbing Code."	Plumbing Compliance	Clarifies all requirements to be met for residential plumbing installations
IRC	P2603.6.1	Replaced with: "Building sewers that connect to private sewage disposal systems shall be under the jurisdiction of Kane County Health Department. All other building sewers shall be as specified in Village of Sugar Grove ordinance."	Sewer Depth	Village doesn't have jurisdiction over septic systems
IRC	P3103.1	Inserted "twelve (12) inches"	Roof Extension	Clarifies the minimum height above roofs that open pipe vents must extend to match Illinois Plumbing Code requirements
IRC	E3301.1	Replaced with "The installation of all electrical appliances, equipment, and systems in one- and two-family dwellings and swimming pools shall comply with the applicable provisions of Chapters 33 thru 41 inclusive, the International Code Council Electrical Code, National Electrical Code, and all Village of Sugar Grove amendments to the International Code Council Electrical Code."	Electrical Compliance	Clarifies all requirements to be met for residential electrical installations
IRC	Appendices A, B, C, D, E, F, N, and Q	Adopted and inserted	Appendices	A, B, C, D, N and Q are informative only. E is the requirements for manufactured (mobile) homes and F is radon control
IRC	Apendix G	Added to section AG103.1 "A four foot wide unobstructed area shall be provided around a minimum of three sides of the pool"	Swimming pools, spas and hot tubs	Requires room around a pool to allow for proper rescue

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BOOK	SECTION #	RECOMMENDED CODE CHANGE	CONTEXT OF CODE	REASON FOR CODE CHANGE
IFC	507.4	Inserted: Lightweight Construction. Buildings erected using lightweight construction systems to include: wooden I-beams, wood trusses, metal trusses, or any combination thereof, shall identify the structural system used on the exterior of the building. Signage shall be as listed in Section 507.4.1 of this code.	Hazards to Fire Fighters	Safety of Fire Fighters
IFC	504.4.1	Inserted: Emblem required. An all-weather emblem identifying lightweight construction shall be provided, located and designed as follows: 1. Emblem shall be provided by the property owner 2. Emblem shall be located within 6" of the fire department key box not to exceed 6 feet above the ground. 3. The emblem shall be of a bright and reflective color, or made or reflective material. The shape of the emblem shall be the shape of a triangle measuring 8 inches vertically by 8 inches horizontally. 4. The following letters, of a size and color to make them conspicuous, shall be printed on the emblem, as shown in the diagram attached.	Hazards to Fire Fighters	Safety of Fire Fighters
IFC	902.1	Replaced first sentence: "Furnaces, water heaters and boilers (unless specifically required by the manufacturer), shall be connected to the gas piping system by only rigid metallic pipe and fittings. Appliances, except for furnaces, wa	Definitions	Safety of Inhabitants