

2024 COMMENT TRACKER - TOP 50												
Item	Code	Code Section	New Code Provision (Overview)	What impacts could the new code have?								Committee Discussion / Recommendation
				Will it be more or less restrictive than previous?		Will it take more of a level of effort to follow?		Will it cost more for builders?		How could it impact safety?		
1	IBC	903.2, 903.3.1.1.3	Revisions have been made to ensure that battery systems are adequately protected by sprinkler systems and that in case of lithium-ion and lithium metal batteries, the sprinkler system is adequately designed to address that specific hazard.	More	●	High		High \$\$\$		Improved	●	One of the big changes in the 2024 IBC has been to address battery storage systems and how we protect buildings that store batteries. We should review with Naperville FD for any revisions we may want for this, if any.
				NA		Medium		Medium \$\$		No Change		
				Less		Low	●	Low \$	●			
2	IBC	903.3.1.2	The allowable height of a Group R-2 occupancy building in which an NFPA 13R sprinkler system can be used has been increased.	More	●	High		High \$\$\$		Improved	●	Review with Naperville FD.
				NA		Medium		Medium \$\$		No Change		
				Less		Low	●	Low \$	●			
3	IBC	905.3, 905.4	Where a Class I standpipe system is required, hose connections are now specifically required at all exterior exit stairways.	More	●	High		High \$\$\$		Improved	●	Review with Naperville FD.
				NA		Medium		Medium \$\$		No Change		
				Less		Low	●	Low \$	●			
4	IBC	905.3, 905.4	Where a Class I standpipe system is required, hose connections are now specifically required at all exterior exit stairways.	More	●	High		High \$\$\$		Improved	●	Review with Naperville FD.
				NA		Medium		Medium \$\$		No Change		
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			In order to minimize the potential hazard, new	More	●	High		High \$\$\$		Improved	●	Several additions to the International Fire Code

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5	IBC	907.2	requirements for fire alarm and detection have been added for areas containing lithium-ion and lithium metal batteries to provide early detection and response.	NA		Medium	●	Medium \$\$	●	No Change		and International Building Code have been made due to the increased hazard of lithium batteries.
				Less		Low		Low \$				
6	IBC	907.2.1	Pull station and occupant notification aspects of alarms serving Group A-5 outdoor bleacher seating areas have been eliminated.	More	●	High		High \$\$\$		Improved	●	Review with Naperville FD.
				NA		Medium		Medium \$\$		No Change		
				Less		Low	●	Low \$	●			

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7	IBC	907.2.11	Due to changes in the listing standard for smoke alarms, the requirements for installation near cooking appliances have been modified to help reduce unwanted alarm activations.	More	●	High		High \$\$\$		Improved	●	Review with Naperville FD.
				NA		Medium		Medium \$\$		No Change		
				Less		Low	●	Low \$	●			
8	IBC	915	Carbon monoxide (CO) detection is now required in all occupancies where a CO-producing device is present. Detection and notification can be addressed in several ways and a definition helps clarify where CO detection is required.	More	●	High		High \$\$\$		Improved	●	Review with Naperville FD.
				NA		Medium		Medium \$\$		No Change		
				Less		Low	●	Low \$	●			
9	IBC	1008.2.1	Along exit access stairways, exit stairway and their required landings, the illumination level shall be 10 footcandles minimum at the walking surface when the stair is in use.	More	●	High		High \$\$\$		Improved	●	Provides a standard for illumination levels.
				NA		Medium		Medium \$\$		No Change		
				Less		Low	●	Low \$	●			
10	IBC	1009.6.3	Area of Refuge Floor Clear Floor Space size is now 52" minimum in length by 30" minimum in width (2018 was 48" x 30"). This follows the increase in size per 2018 ANSI 117.1 requirements.	More	●	High		High \$\$\$		Improved	●	Follows ANSI requirements.
				NA		Medium		Medium \$\$		No Change		
				Less		Low	●	Low \$	●			
11	IBC	1013.2	The requirement for low-level exit signs in sprinklered Group R-1 buildings has been eliminated.	More		High		High \$\$\$		Improved		Exit signs in hotels placed near floor level are no longer required.
				NA		Medium		Medium \$\$		No Change	●	
				Less	●	Low	●	Low \$	●			

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12	IBC	1105.1.1	Power-operated door provision have been modified for public entrances with multiple doors, separate tenant entrances and mixed occupancy buildings.	More	●	High		High \$\$\$		Improved	●	Provides easier access to public and other buildings with larger occupant load.
				NA		Medium		Medium \$\$	●	No Change		
				Less		Low	●	Low \$				
13	IBC	1609.5	Design provisions for tornado loads are now required for Risk Category III and IV buildings in defined areas. Wind speeds produced by an EF0-EF2 tornado.	More	●	High		High \$\$\$		Improved	●	Increases burden on design professionals.
				NA		Medium	●	Medium \$\$	●	No Change		
				Less		Low		Low \$				
14	IBC	Table 1705.3	Special inspections requirements for precast concrete diaphragm connections have been added to the list of general concrete special inspections and tests.	More	●	High		High \$\$\$		Improved	●	Provides greater 3rd party scrutiny and documentation of connections.
				NA		Medium		Medium \$\$		No Change		
				Less		Low	●	Low \$	●			
15	IBC	Table 1705.3	Special inspections have been added to address the anchorage and connection of mass timber structural elements.	More	●	High		High \$\$\$		Improved	●	Mass timber is becoming increasingly more common. Provides greater 3rd party scrutiny and documentation of connections.
				NA		Medium		Medium \$\$		No Change		
				Less		Low	●	Low \$	●			
16	IBC	1705.18	The installation of firestops, fire-resistant joint systems and perimeter fire barrier systems in residential-use buildings now requires special inspection in those Group R fire areas having an occupant load exceeding 250.	More	●	High		High \$\$\$		Improved	●	This critical component of hotels, apartment buildings, and dorms is now required to have 3rd party testing.
				NA		Medium		Medium \$\$		No Change		
				Less		Low	●	Low \$	●			

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17	IRC	R311.7.7	A new exception allows steeper slopes for exterior landings that also serve to drain surface water away from the building.	More		High		High \$\$\$		Improved		Gives relief to contractor to allow for drainage.
				NA	●	Medium		Medium \$\$		No Change	●	
				Less		Low	●	Low \$	●			
18	IRC	R314.3	Smoke alarm locations now include: In the hallway and in the room open to the hallway in dwelling units where the ceiling height of a room open to a hallway serving bedrooms exceeds that of the hallway by 24 inches or more.	More	●	High		High \$\$\$		Improved	●	Area previously not addressed by smoke detector requirement.
				NA		Medium		Medium \$\$		No Change		
				Less		Low	●	Low \$	●			
19	IRC	R507	Deck beams and joist new spans lengths. Specific species length requirements for posts. Decking span requirement changes.	More		High		High \$\$\$		Improved		Allowable post height now determined by tributary area and post dimensions. Span length for plastic composite per manufacturer.
				NA	●	Medium		Medium \$\$		No Change	●	
				Less		Low	●	Low \$	●			
20	IRC	R609.4.1	All garage doors must have a permanent label identifying wind pressure ratings among other information.	More	●	High		High \$\$\$		Improved	●	Possible lead time issues per garage door contractors.
				NA		Medium		Medium \$\$		No Change		
				Less		Low	●	Low \$	●			
21	IRC	M1502.4.5	Booster fans: Booster fans shall not be installed in dryer exhaust systems.	More	●	High		High \$\$\$		Improved	●	Booster fans have been determined to be a potential fire hazard.
				NA		Medium		Medium \$\$		No Change		
				Less		Low	●	Low \$	●			

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22	IRC	G2447.2	The exception allowing a commercial cooking appliance in a dwelling unit when the installation is designed by an engineer has been removed from the code.	More	●	High		High \$\$\$		Improved	●	Makes it more difficult to install commercial cooking appliance in residential environment.
				NA		Medium		Medium \$\$		No Change		
				Less		Low	●	Low \$	●			
23	IMC	306.5	In addition to the requirements for a roof access to equipment and appliances, a top landing is required of a clear and unobstructed area of 30" deep and as wide as the hatch.	More	●	High		High \$\$\$		Improved	●	Change adds a minimum landing requirement for roof hatches.
				NA		Medium		Medium \$\$	●	No Change		
				Less		Low	●	Low \$				
24	IMC	401.4, 501.3.1	Air intake openings. Location of exhaust outlets. Separation is not required between intake air openings and living space exhaust air openings of an individual dwelling unit or sleeping unit where an <u>approved factory-built</u> intake/exhaust comination termination fitting is used.	More	●	High		High \$\$\$		Improved	●	If listed and labeled for this application.
				NA		Medium		Medium \$\$		No Change		
				Less		Low	●	Low \$	●			
25	IMC	501.6	Common Ducts. The discharge from exhaust fans serving separate dwelling or sleeping units shall not be connected to a common duct or shaft, <u>except where the common duct or shaft is maintained at a negative pressure.</u>	More	●	High		High \$\$\$		Improved	●	Provision prohibits connecting the discharge from exhaust fans serving dwelling and sleeping units to a common duct.
				NA		Medium		Medium \$\$	●	No Change		
				Less		Low	●	Low \$				
26	IMC	506.3.2.5.1	Grease duct test. The requirement to use a 100 watt lamp has been removed and replaced with the requirement of a light source of 1600 lumens.	More		High		High \$\$\$		Improved		Change reflects the move to LED from incandescent lighting.
				NA	●	Medium		Medium \$\$		No Change	●	
				Less		Low	●	Low \$	●			

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27	IMC	506.3.2.5.2	Water spray test. As an <u>option</u> to performing a light test on grease ducts, a water spray test shall be performed simulating a cleaning operation.	More		High		High \$\$\$		Improved		Requirements are added for the water testing of grease ducts.
				NA	●	Medium		Medium \$\$		No Change	●	
				Less		Low	●	Low \$	●			
28	IMC	507.1.3	Appliances equipped with draft hoods shall not be located in the same room as Type I or II hoods.	More	●	High		High \$\$\$		Improved	●	Prescriptive requirements for vented fuel-burning appliances in the same room or space as a commercial kitchen hood replace former performance requirements.
				NA		Medium		Medium \$\$	●	No Change		
				Less		Low	●	Low \$				
29	IFGC	406.7.3.1	Inspection, Testing, and Purging	More	●	High		High \$\$\$		Improved	●	Purging of fuel gas piping to be abandoned is now required.
				NA		Medium		Medium \$\$		No Change		
				Less		Low	●	Low \$	●			
30	IFGC	614.7	Makeup air for clothes dryers. Dryers exhausting greater than 200 cfm shall be provided with makeup air.	More	●	High		High \$\$\$		Improved	●	Clarification provided.
				NA		Medium		Medium \$\$		No Change		
				Less		Low	●	Low \$	●			
31	IFGC	618.6	Furnace plenums and air ducts. Return air shall not be taken from the mechanical room containing the furnace.	More	●	High		High \$\$\$		Improved	●	New text clarifies the intent to prohibit pulling potentially noxious air from mechanical room.
				NA		Medium		Medium \$\$		No Change		
				Less		Low	●	Low \$	●			

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32	IEBC	502.6, 503.16, 506.6	Classroom Acoustics. In Group E occupancies, enhanced classroom acoustics shall be provided in all classrooms with a volume of 20,000 cubic feet or less where the work area exceeds 50% of the building area.	More	●	High		High \$\$\$		Improved	●	Intended to improve language acquisition for younger children with hearing loss or those with cochlear implants.
				NA		Medium		Medium \$\$		No Change		
				Less		Low	●	Low \$	●			
33	IEBC	503.4	The addition of equipment to the roof without a full structural analysis is now permitted when athe equipment weighs less than 400 lbs and is less than 10% of the total roof dead load.	More	●	High		High \$\$\$		Improved		Lessens the burden of the design professional to provide structural calculations.
				NA		Medium		Medium \$\$		No Change	●	
				Less		Low	●	Low \$	●			
34	IEBC	503.17 902.3	Ambulatory care facilities. Where a work area exceeds 50% of the building area, the following shall be provided: 1) A smoke compartment in accordance with Section 422.3 of the IBC where the alteration results in an ambulatory care facility greater than 10,000sf on one story. 2) Seperation from adjacent spaces in accordance with 422.2 of the IBC where the facility has the	More	●	High		High \$\$\$		Improved	●	Change allows for a defend-in-place strategy for staff and patients when incapable of self-preservation during a procedure.
				NA		Medium	●	Medium \$\$	●	No Change		
				Less		Low		Low \$				
35	ISPSC	609.3.1	Rinse showers for Aquatic Recreation Facilities. Not less than one rinse shower shall be provided on the deck of or at the entrance of each pool.	More	●	High		High \$\$\$		Improved	●	Common practice for new commercial pools.
				NA		Medium		Medium \$\$		No Change		
				Less		Low	●	Low \$	●			
36	NEC	210.52c2	Island or peninsular countertops. One outlets required for 1st 9sf and one additional outlet for every additional 18sf. If no outlet is supplied, conduit must be provide to island for future installation.	More		High		High \$\$\$		Improved	●	New text clarifies the intent to prohibit pulling potentially noxious air from mechanical room.
				NA	●	Medium		Medium \$\$		No Change		
				Less		Low	●	Low \$	●			

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37	NEC	230.71	Maximum number of disconnects. Up to six means of disconnects can no longer be mounted in a single enclosure.	More	●	High		High \$\$\$		Improved	●	Will this affect the Naperville Electrical Utility
				NA		Medium		Medium \$\$		No Change		
				Less		Low	●	Low \$	●			
38	NEC	210.8a5	All receptacles in the basement are to be GFCI protected.	More	●	High		High \$\$\$		Improved	●	GFCI requirements are expanding with every code cycle. Increased safety. Leave in.
				NA		Medium		Medium \$\$		No Change		
				Less		Low	●	Low \$	●			
39	NEC	210.8a	GFCI protection expanded for 250v receptacle in laundry rooms, crawls, basement	More	●	High		High \$\$\$		Improved	●	GFCI requirements are expanding with every code cycle. Increased safety. Leave in.
				NA		Medium		Medium \$\$		No Change		
				Less		Low	●	Low \$	●			
40	NEC	210.8d	GFCI protection required for specific appliances 60amp or less. Automotive vacuum machines, water coolers, high pressure spray wash machines, tire infation, vending, dishwashers, electric ranges, wall mounted ovens, counter mounted cooking units, clothes dryers, microwaves.	More	●	High		High \$\$\$		Improved	●	GFCI requirements are expanding with every code cycle. Increased safety. Leave in.
				NA		Medium		Medium \$\$		No Change		
				Less		Low	●	Low \$	●			
41	NEC	210.23	A new section allowing 10 amp branch circuits for lighting and exhaust fans. Amend out?	More		High		High \$\$\$		Improved		Should this be amended out. Would allow opportunity for homeowner to use this circuit for unintended purpose.
				NA	●	Medium		Medium \$\$		No Change	●	
				Less		Low	●	Low \$	●			

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42	NEC	230.67	All dwelling unit services are now required to be provided with surge-protection (type 1 or 2 SPD).	More	●	High		High \$\$\$		Improved	●	Common practice for new residential.
				NA		Medium		Medium \$\$		No Change		
				Less		Low	●	Low \$	●			
43	NEC	230.85	Emergency disconnecting means required at accessible exterior location for dwelling units.	More	●	High		High \$\$\$		Improved	●	This will require all new electric services to have a disconnect. Approximately \$300/service.
				NA		Medium		Medium \$\$	●	No Change		
				Less		Low	●	Low \$				
44	NEC	445.18	Emergency shutdown device required in readily accessible location for standby generators. For single and two-family dwellings only.	More	●	High		High \$\$\$		Improved	●	Most generator have an integral disconnet.
				NA		Medium		Medium \$\$		No Change		
				Less		Low	●	Low \$	●			
45	NEC	511.12	Commercial garages. GFCI protection required for all 125v single phase 15 and 20 amp receptacles installed in gargages, service bays, and similar areas.	More	●	High		High \$\$\$		Improved	●	GFCI requirements are expanding with every code cycle. Increased safety. Leave in.
				NA		Medium		Medium \$\$		No Change		
				Less		Low	●	Low \$	●			
46	NEC	625.54	All receptacle outlets installed for the connection of EV charging will be require to be provide with GFCI protection for personnel (regardless of the outlet's location).	More	●	High		High \$\$\$		Improved	●	GFCI requirements are expanding with every code cycle. Increased safety. Leave in.
				NA		Medium		Medium \$\$	●	No Change		
				Less		Low	●	Low \$				

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47	NEC	680.2	Splash pads are required to comply with the installation rules of Part I(General), Part V(Fountains), and Part II(Permanently Installed Pools).	More	●	High		High \$\$\$		Improved	●	With the increasing popularity of splash pads. Splash pads to follow pool requirements.
				NA		Medium		Medium \$\$		No Change		
				Less		Low	●	Low \$	●			
48	IPC	606.1	Multiple tenant building must have a main water shutoff valve for each tenant space.	More	●	High		High \$\$\$		Improved		Required for maintenance purposes.
				NA		Medium		Medium \$\$	●	No Change	●	
				Less		Low	●	Low \$				
49	IPC	609.2	For buildings classified as Group I-2, Condition 2 (Hospital) require 2 water service pipes.	More	●	High		High \$\$\$		Improved	●	Redundant supply for critical facilities.
				NA		Medium	●	Medium \$\$	●	No Change		
				Less		Low		Low \$				
50	IPMC	303.2 Ex #2	An exception to private pool barrier requirements was added if pool is equipped with a power safety cover complying with ASTM 1346.	More		High		High \$\$\$		Improved		Naperville has an existing ammendment to the ISPSC eliminating this exception and requiring proper pool barriers (fence with gates). The IPMC and ISPSC would now be consistent.
				NA		Medium		Medium \$\$		No Change		
				Less	●	Low	●	Low \$	●	Decreased		