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Summary of Notable Changes to the 2021 and 2024 International Code Council Model Code Books

The information provided in this document has been consolidated from a staff review of International Code Council (ICC) published documents, including but not limited to monographs, consolidated monographs, code change proposals, public comment documents, committee action reports, voting results, revision history documents, significant change documents, and red lined and published versions of the ICC Model Codes. This document does not include any New York State statutory requirements, or any policies and initiatives of the Code Council and the State previously included in earlier versions of the code. This document should not be construed as recommendations by the Department of State for provisions to be adopted by the Code Council, but rather as a summary of the notable changes within the 2021 and 2024 ICC Model Codes.

Summary of Notable Changes to the BCNYS

Item #	Code Section		Subject	Description of the Code Change
	2024	2020		
1	307.1.1	N/A	Occupancy Exemptions	Provisions for hazardous materials not counting towards maximum allowable quantities were added. Hazardous material exemptions were reorganized into table format, and expanded.
2	310.4.2	N/A	Lodging Houses	Requirements added for sprinkler systems in lodging houses designed to the residential code instead of the building code.
3	311.2, 311.3	311.2, 311.3	Alcohol Beverage	The proper occupancy classification for the storage of beverages, specifically alcohol beverages, has been clarified for both the Group S-1 and S-2 categories.
4	404.6	404.6	Atriums	Horizontal assembly separation of the atrium from adjacent spaces is no longer required at those openings created for complying escalators and/or exit access stairways.
5	411.3	411.3	Special amusement areas - detection/alarm systems	Provisions for emergency voice/communication alarms in special amusement areas were added, including detailed requirements for pre-signal alarms.
6	202, 411.5	202, 411.5	Puzzle Room	The puzzle room, a relatively new type of special amusement area, is now specifically defined and regulated by the code to address its unique hazards, including exiting requirements.
7	419	N/A	Artificial Decorative Vegetation	Requirements added for exterior artificial decorative vegetation, including references to Fire Code provisions.
8	423.3, 423.4.1	N/A	Storm shelters	Provisions added for the occupancy classification, occupant capacity, and location of storm shelters, including freestanding shelters as well as those included within host buildings.
9	429	N/A	Live Fire Training Buildings	Requirements added for live fire training buildings, including references to Fire Code provisions.
10	503.1.4	503.1.4	Occupied Roofs	The proper approach to dealing with occupied roofs from the perspectives of building height, number of stories and installation of occupant notification features has been further clarified for a more consistent application of the code's intent.

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11	202, Table 504.3, Table 504.4, Table 506.2, 508.4.4.1, 509.4.1.1, Table 601, 602.4, 703.6, 703.7, Table 705.5, 722.7, 1705.5.3, 1705.20, 2304.10.1, 2304.11	N/A	Mass Timber	<p>Mass timber is now specifically defined as representative of both the large wood building elements historically recognized as Heavy Timber (now Type IV-HT) construction and the three new construction types of IV-A, IV-B and IV-C. Modifications and additions to the text include, but are not limited to, the following:</p> <ul style="list-style-type: none"> • The "Allowable Height in Feet" table, the "Allowable Height in Stories" table, the "Fire-Resistance Rating Requirements for Building Elements" table, the "Allowable Building Area" table, and the "Exterior Wall Ratings" table were modified. • Mass timber elements that separate occupancies in Type IV-B and IV-C construction, shall be protected with gypsum board. • A new section was added to address the fire protection of structural connections. • Concealed spaces are now permitted in floors and roof decks for Type IV-HT. • New sections were added to further ensure the safety of buildings constructed under one of the new construction types
12	510.2	510.2	Podium Buildings	Two new conditions, related to the materials allowed for interior stairways, were added to the section that regulates when a horizontal building separation is allowed.
13	704.6.1	N/A	Secondary attachments to structural members	Requirements were added for fire protection of secondary members which are connected to members of the primary structural system.
14	705.3.1	N/A	Buildings on adjacent lots	Provisions for permitting two buildings which are located on adjacent lots to be considered a single building for the purposes of fire/smoke protection were added.
15	708.1, 708.4.1	708.1, 708.4.1	Fire partitions	Fire partitions separating ambulatory care facilities from adjacent spaces or corridors, fire partitions separating dwelling and sleeping units from Group R-1 and R-2 occupancies and fire partitions separating vestibules from the level of exit discharge were added to the fire resistant partition requirements.
16	710.5.3	N/A	Smoke barrier pass-through openings	Requirements for pass-through openings in smoke barriers in Group I-2, Condition 2 occupancies were added.
17	716.4	N/A	Fire protective curtain assembly	Requirements for fire protective curtain assemblies were added.
18	903.2.4, 903.2.4.2	903.2.4	Group F-1 Automatic Sprinkler Systems	Group F-1 occupancies used to manufacture lithium-ion or lithium metal batteries, vehicles and equipment containing lithium-ion or lithium metal batteries, or distilled spirits were added to the list of occupancies with required automatic sprinkler systems.

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	2024	2020		
19	907.5.2.1.3.1 & 907.5.2.1.3.2	N/A	Audible alarm signals in sleeping rooms	Requirements for frequency of audible fire and smoke alarms in sleeping rooms were added.
20	909.20.6	N/A	Pressurized stair and vestibule alternative	Requirements added for smokeproof enclosures using pressurized stairs and pressurized entrance vestibules.
21	1006.3.4	1006.3.3	Exit Access Travel Distance	For single-exit stories, the travel distance limits are now based on the exit access travel distance as opposed to the common path of egress travel.
22	1009.2.1	1009.2.1	Occupied Roof - Accessible Access	Occupied roofs were added to the existing section that requires an elevator at accessible floors 4 or more stories above or below the level of exit discharge.
23	1009.2.2	N/A	Doors	Provisions for maneuvering clearances at doors which are parts of accessible means of egress were added.
24	1009.6.3, 3008.6.4	1009.6.3, 3008.6.4	Area of Refuge - Floor Space	The minimum required size of the clear floor space for a wheelchair has been increased to 30 inches in width by 52 inches in length (increase from 48")to coordinate with the 2017 edition of the ICC A117.1 Standard, which increases the required minimum dimensions for an area of refuge.
25	1010.2.4, Table 1010.2.4	1010.1.9.4	Locks and latches	Provisions were added for locking/latching of doors in means of egress where the path of egress travel goes from the exterior to the interior of the building. Provisions were also added for locking/latching of inactive door leaves.
26	1010.2.8, 1010.2.8.1, 1031.2.2	1010.1.4.4, 1010.1.4.4.1, 1031.2.2	Locking Arrangements in Educational Occupancies	Group I-4 occupancies are now regulated under the special locking arrangements allowed for other "educational occupancies." Facilities used for day care operations are often classified as Group I-4 occupancies. When remote operation is provided, the door must still be unlockable from outside the room. A similar change was made in the 2021 IFC and 2021 IEBC.
27	1031.3, 1031.4	N/A	Emergency Escape and Rescue Openings	Requirements added regarding minimum size and location of emergency escape and rescue openings, including emergency escape and rescue doors.
28	1102.1	1102.1	Accessible Design Compliance	The referenced version of the ICC A117.1 was changed from the 2009 to the 2017. The ICC A117.1 standard that is referenced by the International Building Code (IBC) for the design and construction of accessible buildings and facilities has been updated from the 2009 edition to the 2017 edition and includes several new and revised technical requirements.
29	1107.2	N/A	Vehicle Charging Stations	Scoping provisions have been provided to make electrical vehicle charging stations accessible.

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30	1108.5, 1110.2	1107.5, 1109.2	Assisted Toileting and Bathing	The toilet and bathing facility provisions for assisted living and nursing home dwelling units have been modified. Scoping and technical changes were made and provisions normally found only in the ICC A117.1 have been moved onto the IBC. A series of changes were made to the assisted living and nursing home provisions to allow some units to have toilet and bathing facilities designed for assisted use instead of the independent use generally intended by the ICC A117.1 Accessible unit provisions.
31	1110.2.2 - 1110.2.3.9	N/A	Accessible toilets and bathrooms	Addition of many provisions regarding regulations and sizing requirements for accessible water closets. (Water Closets, Grab Bars, Flush Controls, Dispenser, Roll In Showers, Clearance, Etc.)
32	1110.3	N/A	Adult Changing Stations	Requirements were added for adult changing stations, including locations where adult changing stations are required to be installed and accessibility provisions.
33	1207	N/A	Classroom Acoustics	Section 1207 and its subsections were added to provide new classroom acoustics requirements that intend to make auditory learning easier.
34	1404	1404	Insulation and vapor retarders	Much of the information on insulation and vapor retarders has been reorganized, and a number of new provisions and tables have been added detailing required location of vapor retarder and insulation, R-value, etc.
35	1409	N/A	Insulated Metal Panels	Requirements for Insulated Metal Panels (IMPs) were added. Previous versions of the code did not include requirements for IMPs used as exterior wall or wall coverings.
36	1410	N/A	Soffits and fascias at roof overhangs	Detailed requirements for soffits and fascias at roof overhangs were added. Previous editions of the code did not contain many requirements for soffits and fascias, and these detailed requirements were added to standardize installations and ensure that minimum installation standards are met.
37	1507.8.1 & 1507.9.1	1507.8.1 & 1507.9.1	Deck requirements - wood shingles & shakes	Requirements for attic ventilation and shingle/shake backing were added for wood shingles/shakes installed over spaced sheathing.
38	1511.9 - 1511.9.6	N/A	Raised-deck systems over roof assemblies	Many provisions were added regarding raised-deck systems installed over a roof assembly, including installation, pedestals or supports, and drainage.
39	1603.1.4, 1609.5, Figure 1609.5, 1609.6.3.2	1603.1.4	Tornado loads	Tornado loads were added to the structural design loads chapter of the IBC. Tornado loads have not previously been included in the IBC, but were added to coordinate with ASCE 7-22.

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40	1603.1.4	1603.1.4	Construction Documents - Wind Pressure Zone Depiction	Component and cladding (C&C) pressure zones (wind pressure) must now be identified in the construction documents, to add clarity in locating tighter nailing zones and other construction changes necessitated by higher C&C load areas. This was identified as an area of confusion leading to potential construction errors - by including this information on the construction documents, confusion should be alleviated and errors reduced.
41	Table 1604.5	Table 1604.5	Risk Categories of Assembly Spaces	Two new types of buildings were added to Risk Category III: "buildings and other structures containing one or more public assembly spaces, each having an occupant load greater than 300 and a cumulative occupant load of the public assembly spaces of greater than 2,500," and "buildings and other structures containing Group E or Group I-4 occupancies or combination thereof, with an occupant load greater than 250." Group R-1 hotels often have convention center facilities with multiple large ballrooms and other assembly spaces, but public assembly is not the primary occupancy of the building. These buildings have historically been classified as Risk Category II. Conversely, there are smaller buildings consisting solely of one or more assembly rooms where the primary occupancy is public assembly with a cumulative occupant load of over 300 that must be designed to the higher Risk Category III requirements although the total assembly occupant load is much lower when compared to a hotel.
42	1604.5.2	N/A	Photovoltaic (PV) panel systems	Requirements for risk category of PV panel systems were added for ground-mounted, elevated, and roof-mounted PV structures.
43	1605.1, 1605.2	1605.2, 1605.3.1, 1605.3.2	Load Combinations	Standard strength design load and allowable stress design load combination equations have been removed from the IBC, and instead the IBC directly references the load combinations found in ASCE 7-22. The load combinations included in previous versions of the IBC were based on the ASCE 7 load combinations, so removing the load combinations from the IBC merely reduces the possibility of transcription error between the two documents. The load combinations found in ASCE 7-22 differ from the load combinations found in ASCE 7-16 (which the 2020 BCNYS load combinations are based on). These differences between the load combinations exist because the method of calculating wind and snow loads changed between ASCE 7-16 and ASCE 7-22. Wind and snow loads, in ASCE 7-22, are ultimate strength design loads, whereas these loads were allowable stress design loads in ASCE 7-16. The changes in the load factors reflect the change in the nature of the loads, and should represent more accurate loadings based on more recent data.
44	Figures 1608.2(1) - 1608.2(24)	Figures 1608.2(1) - 1608.2(4)	Snow loads	The snow load maps have been updated to match the new snow load maps in ASCE 7-22. These new maps were developed using recent weather data, while previous versions of the maps were based on data from before 1990. The new maps remove most "case study required" areas, which used to make up the majority of NYS on previous versions of the maps. Investigation is underway to determine if these new maps can be utilized in lieu of developing an NY-specific map. Additionally, the new maps were developed using ultimate strength design loads, instead of allowable stress design loads (which were used in previous maps).

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45	Figures 1609.3(1)-(4)	Figures 1609.3(1)-(4)	Wind Loads	The wind load maps have been updated using recent weather data. The update has resulted in slightly lower wind speeds in most inland areas, with little change for NY coastal areas.
46	1611.1, Figures 1611.1(1)-(6)	1611.1, Figures 1611.1(1)-(6)	Design rain loads	Rain load calculations were updated to include ponding loads (load due to the increased retention of water caused by deflection of the roof). New rain load maps were included to coordinate with ASCE 7-22.
47	Figure 1613.2.1(1)-(4)	Figure 1613.2.1(1)-(4)	Seismic loads	Seismic load maps have been updated to coordinate with ASCE 7-22.
48	1705.2.2, 2203	N/A	Structural stainless steel	Requirements for structural stainless steel to comply with AISC 370 were added, including provisions for design, fabrication, installation, and special inspections.
49	1705.2.5, 2212	N/A	Metal building systems	Provisions for metal building systems were added, including special inspection, design, fabrication, and installation requirements.
50	1901.2	1901.2	Concrete Design and Construction	ACI 318 has been updated to the 2019 edition [previously the 2014] and includes changes addressing deep foundations, materials and seismic design.
51	1901.7	N/A	Structural Concrete Tolerances	A new section and a new reference standard was added to address acceptable tolerances for concrete construction. American Concrete Institute standards ACI 117 and ITG-7 have been added to the IBC by reference to provide acceptable tolerances for concrete construction.
52	2303.2	2303.2	Fire-Retardant-Treated Wood	An alternate testing method, as well as provisions for design value adjustments and LVL lumber were added to the requirements for fire-retardant-treated wood.
53	2303.4.1.2, 2303.4.1.3	2303.4.1.2, 2303.4.1.3	Wood Truss Bracing	Owners, building designers, truss designers, truss manufacturers and building officials typically rely on framers to accurately and completely interpret when, where and how to install required restraint and diagonal bracing for pre-engineered wood trusses. The reality in the field, however, is that framers are often not familiar with BCSI-B3 and not provided a copy of that document with the trusses. Wood truss member diagonal bracing and restraint requirements have been added to the IBC.
54	2308.2.7, 2308.6.6.2	N/A	Hillside light-frame construction	Special requirements were added for hillside light-frame wood construction with cripple walls.
55	2308.3	N/A	Cutting, notching, and boring	Provisions for cutting, notching, and boring of dimensional wood framing have been organized into one section, and coordinated with the requirements in the IPC and IMC.
56	2703	N/A	Lightning Protection Systems	Requirements for lightning protection systems were added.

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57	3009	N/A	Private residence elevators	Requirements for elevators in private residences were added, including hoistway provisions and opening protection.
58	3103.1.1, 3103.5, 3103.5.1 - 3103.5.4, 3103.6, 3103.7	N/A	Public-occupancy temporary structures	Requirements for public-occupancy temporary structures were added, including design loads, foundations, installation, maintenance, and controlled occupancy procedures.
59	3115	N/A	Shipping Containers	The use of intermodal shipping containers as buildings and structures is now recognized in the IBC, and criteria have been added to address the minimum safety requirements without duplicating existing code provisions.
60	3302	N/A	Owner's responsibility for fire protection	A section detailing the responsibilities of a building owner for fire protection during construction was added. Requirements include a written fire safety plan, site fire safety director, daily site fire safety inspections, and provisions for violations of this section.
61	Appendix E	Appendix E	Supplementary Accessibility Requirements	Appendix E includes scoping requirements contained in the 2010 ADA Standards for Accessible Design that are not in Chapter 11 and not otherwise mentioned or mainstreamed throughout the code. Items in the appendix address subjects not typically addressed in building codes (for example, beds, room signage, transportation facilities).
62	Appendix P	N/A	Sleeping Lofts	A new appendix was added including detailed requirements for sleeping lofts, including maximum area, minimum ceiling heights and means of egress requirements.

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	2024	2020		
1	203	202	Occupancy Definitions	The definitions of different occupancies was removed from Section 202 and placed in a new section 203.
2	304	N/A	Valet trash and Recycling Collection	Valet trash collection, typically seen in larger cities and this is also supported by the addition of Appendix O. This addition allows the individual AHJ the option to allow this service or not, with provisions to ensure it is performed in a safe manner.
3	306	306	Beverages alcohol content	The threshold for separating higher risk alcohol from lower risk was increased from 16% to 20%, reducing the fire protection requirements for some alcohols which fall into this range.
4	319	319	Mobile Food Preparation	Requirements for food trucks have been modified to further clarify the requirements concerning food trucks. The changes are primarily focused on the fuel system and the suppression system.
5	320	N/A	3D printing	Added language provides safety requirements to the IFC for 3-D printers which are becoming a common, there are minor requirements for non-industrial 3-D printers and much more in-depth requirements for industrial 3-D printers to regulate the multitude of hazards.
6	321	N/A	Artificial Vegetation	The added section for artificial combustible vegetation now regulates artificial vegetation when it is located on a roof or within close proximity to a building. The requirements include regulating the flammability of the vegetation, prohibition of locating the artificial vegetation near an open flame, and decorating the artificial vegetation with non UL listed lighting,
7	322	N/A	Micromobility	Hazards associated with charging micro mobility devices are addressed, including through listings, separation requirements, and use of detection systems.
8	403	403	Fire Safety Plans	Fire Safety plans are more clearly defined for group I-1 and I-2 occupancies operating room and buildings with storage for lithium ion batteries. Additional clarifying training requirements staff have been clarified.
9	405	405	Emergency Drills	The frequency of training and participation in fire drills and evacuation drills are revised. The use of defend-in-place or staged evacuation strategies are included with specific criteria for each. Lockdown drills are not a substitute for required fire and evacuation drills.
10	508.1	508.1	Fire Command Center	A fire command center is required in large buildings classified as Group F-1 and S-1 occupancies.
11	510.4.1	510.4.1	Emergency Responder Communication Coverage - Signals	The testing criteria for in-building 2-way emergency responder coverage systems is enhanced by requiring 99 percent coverage in critical areas and by adding a second test criteria for inbound signals. The update improved to capture the latest technology being used for these systems, including the use of the reference standard NFPA 1225.
12	510	510	Emergency Responder Communication Coverage - Interference	This series of revisions addresses potential sources of radio interference to in-building 2-way emergency responder communication coverage systems.
13	603	603	Power Taps	Labeling capacity and other limits on power taps otherwise known as power strips.

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14	603.4	604.3	Electrical Working Space	Working space dimensions around electrical equipment are revised to correlate with NFPA 70
15	610	N/A	Clothes Dryer Exhaust Ducts	References the Mechanical Code and manufacturer's instructions and required maintenance.
16	903	903	Sprinklers	Sprinkler systems section has been enhanced to include requirements for sprinklers for mechanical parking garages special amusement areas, distilled spirits lithium ion and metal battery storage, record storage over 12 feet tall, and energy storage systems
17	909.2	N/A	Smoke Proof Enclosures	This is a new section that was added to specify the requirements of smoke proof enclosures.
18	915	915	CO detection	Section 915 of the model code includes provisions for carbon monoxide detection. The 2021/2024 changes to this section appear to meet the requirements of Section 378 of Executive Law and is under review to determine if it can be utilized instead of the New York-specific requirements included in the 2020 FCNYS.
19	1006 & 1009	1006 & 1009	Occupiable roofs	As rooftops become a desirable amenity space the code has added provision to enhance egress from buildings with occupiable roof tops, by require elevators for buildings with greater than 3 stories, two-way communication, and door clearance to comply with A117.1.
20	1010	1010	Doors	The requirements in section 1010 have had the maximum door widths removed and introduced minimum door widths for Saunas and the similar hygiene related areas.
21	1017	1017	Atrium Egress	Added requirements for egress through an atrium to ensure safety and prevent the atrium from becoming a conduit for fire spread.
22	1103.7.5.1	N/A	Group R-1 Hotel and Motel Fire Alarm System	The requirements for retrofitting a fire alarm system in existing hotels and motels is reformatted and a new requirement for retrofitting unsprinklered single story hotels and motels is added.
23	1103.9	1103.9	Carbon Monoxide Detection in Existing Buildings	Carbon monoxide detection is required in existing Group I-1, I-3, I-4 and R occupancies and in existing classrooms in Group E.
24	1200	1200	General Energy storage	Incorporates NFPA 855 requiring all energy storage systems to meet the requirements of the standard and clarifies that the rule applies to utility owned projects. Staff is reviewing potential impacts on the applicability of this change in NYS.
25	1203.1.2	1203.1.2	Fuel Line Piping Protection	Several options are provided for protecting the fuel line supplying emergency and standby generators.
26	1204	N/A	Portable Generators	The code now requires that portable generators be operated and maintained in accordance with manufactures instructions, grounded according to NFPA 70, operated at least 5 from any building, and requires new generators to be UL listed.
27	1205	1205	Solar Panels	Enhanced PV installations requirements including building integrated PV.
28	1205.3.3		Smoke Ventilation with Solar PV	The requirement for access pathways to smoke and heat vents is clarified.

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29	1207	1206	Electrical Energy Storage Systems	Hazard mitigation provisions concerning Energy Storage Systems were added, based on best practices. Staff is awaiting recommendations from the NYS agency wide workgroup of this subject for further recommendations.
30	Chapter 22	Chapter 22	Combustible Dust-Producing Operations	The chapter is revised to include criteria for mitigating the accumulation of combustible dust and control of ignition sources, and provide guidance for fire code inspector.
31	2308	2308	CNG Vehicle Fueling	Vehicle fueling with compressed natural gas (CNG), previously allowed at only residential occupancies, is now allowed in other occupancies.
32	2311.8	2311.8	Repair of Lighter-than-Air Fueled Vehicles	The requirements for repair of lighter-than-air fueled vehicles are clarified and expanded to ensure safe operations in repair garages.
33	2404.3.3.6	2404.3.3.6	Size of Spray Booths	Spray booths are no longer restricted to a maximum size of 1,500 square feet.
34	Table 2704.2.2.1	Table 2704.2.2.1	Water-Reactive Solids in Semiconductor Fabs	The quantity of water-reactive Class 3 solid materials in a fabrication area has been increased with a new limit on maximum quantity per tool.
35	2808.3, 2808.3.1, 2808.4	2808.3, 2808.3.1, 2808.4	Sizes of Piles and Stacks	Requirements for a fire protection plan are expanded including an increase in the separation distance between piles or stacks.
36	3106	N/A	Inflatable Amusement Devices	Incorporates provisions for Inflatable Amusement Devices which is addressed in chapter 31.
37	Table 3203.8	N/A	High-Piled Storage of Lithium-Ion Batteries	Code Users now have a commodity classification to use when applying Table 3206.2 for general fire protection and life safety systems. This classification also allows the code official to regulate lithium-ion battery storage as high-piled storage when the storage height exceeds 6 feet.
38	3205.5		Aisle Maintenance in High-Piled Storage	Limited displays are allowed within aisles if the sprinkler system meets the design criteria and egress is still available.
39	3209.4, 3209.4.1 (New), 3209.4.2 (New)		Shutdown of Automated Rack Storage	Automatic shutdown of automated rack storage is required when the high-piled storage area exceeds 500 square feet.

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40	3303.1.	3308.1	Site Safety Plan During Construction	The fire safety requirements during construction have been expanded to include, Daily inspections, Defines Site safety plans contents, Requirement for mass timber/ type IV construction, requires certain provision for the construction of type 1 and II area from occupied buildings, and clarifies water supply requirements
41	3303.3, 3303.3.1	N/A	Daily Fire Safety Inspection	Identifies the owners responsibilities for the fire safety of a construction site but also addresses the compliances measures used by the code enforcement to bring the site into compliance.
42	3303.5 3308.4	3303.5 3308.4	Fire Safety for Types IV-A, IV-B and IV-C Construction	Passive fire safety requirements added during construction of buildings of construction Types IV-A, IV-B and IV-C During construction, these new provisions require protection of the exposed wood for both interior and exterior portions of the building. This will help ensure that the lower portions of the combustible structure have an increased level of protection as greater heights are reached. As such, the likelihood of catastrophic structural failure during a fire and adverse impact to surrounding structures is reduced, a benefit to responding fire fighters.
43	3305.5	3304.5	Fire Watch	Requirements are added for fire watch during non-working hours at building construction sites for building that exceed 50,000 sqft in addition to existing threshold of 40 ft above grade.
44	3305.9	3305.9	Separation of Construction Areas	In Type I and II buildings, barriers installed to separate construction areas from the remainder of a building must be noncombustible, flame retardant or have a limited heat release rate.
45	3313	3312	Water Supply During Construction	Water supply infrastructure has typically not always been completed prior to vertical construction of a building. This revised code section would require that a water supply be available when combustible construction material arrives on site, the standpipe is installed, and the combustible vertical components are constructed. This code change clearly identifies key milestone of when and how much of a water supply is needed.
46	3805.2.1, 3805.4, Table 3805.4	3805.2.1, 3805.4, Table 3805.4	Restricted Materials in College Labs	The limitation on use and storage of oxidizer Class 4 and pyrophoric materials is reinforced and Table 3805.4 is correlated with the text.
47	3904.2, 3904.2.1 , 3904.2.2	3904.2	Extraction Equipment	A new UL standard is available for requiring listed extraction equipment, also addresses CO2 production, lighting, and ventilation.
48	Chapter 40, 903.2.4.2, 903.2.9.3 , IBC 307.1.1	IBC 307.1.1	Storage of Distilled Spirits and Wines	Provisions have been added to the code to address storage of distilled spirits and wines in barrels and casks.
49	5001.1, 5701.2, 202	5001.1, 5701.2, 202	Hazardous Material Exemptions	Exceptions to Chapters 50 and 57 are correlated to eliminate confusion and misapplication.

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50	5003.8.3.3	5003.8.3.3	Number of Control Areas	Portions of buildings separated by fire walls can be treated as separate buildings when evaluating control areas.
51	Table 5003.11.1	Table 5003.11.1	Toxic Solids in Retail Occupancies	The maximum allowable quantity of solid toxic material can be increased in retail and storage facilities if the toxic classification is based solely on the LC50.
52	5003.12, 5004.14, 5005.3.3, 5005.4.3	5003.12, 5005.3.3, 5005.4.3	Outdoor Control Areas	Requirements for outdoor control area for hazardous materials have been correlated and clarified.
53	5601.1.3	5601.1.3	Retail of Consumer Use Fireworks	The referenced NFPA standard for fireworks sale and storage is specified as the 2006 edition of NFPA 1124.
54	5606.1, 5606.6	N/A	Ammunition Reloading in Commercial Operations	Requirements for ammunition reloading in commercial operations were added to the code.
55	5707.1, 5707.2, 5707.2.1, 5707.2.2	5707.1, 5707.2, 5707.2.1, 5707.2.2	On-Demand Mobile Fueling	On-demand mobile fueling operations are enhanced and fueling vehicles are now identified as one of three classifications based on the quantity of fuel carried.
56	5809	N/A	On-Demand Hydrogen Mobile Fueling Operations	On-demand mobile hydrogen fueling operations are provisions are added to the code. The added code section requires compliance with NFPA 2, fire code official approval, and additional safety provisions.
57	6303.1.4, Table 6303.1.4, Table 6304.1.5(1), Table 6304.1.5(2)	6303.1.4, Table 6303.1.4, Table 6304.1.5(1), Table 6304.1.5(2)	Storage of Oxidizers	The requirements for oxidizer storage configurations have been correlated and revised.
58	Appendix E	Appendix E	Comparison Table IFC and GHS	A table was included in Appendix to serve as a key for people to understand the differences for terms used in the IFC and the Global Harmonization system.
59	Appendix H	Appendix H	Chemical Facility Anti-Terrorism Standards	Security requirements are added to Appendix H along with a reference to evaluation of security by Department of Homeland Security in accordance with the Chemical Facility Anti-Terrorism Standards.

Summary of Notable Changes to the FCNYS

Item #	Code Section		Subject	Description of the Code Change
	2024	2020		
60	Appendix O	Appendix O	Valet Trash and Recycling Collection in Group R-2 Occupancies	Provides for valet trash and recycling collection services in Group R-2 occupancies. This appendix includes provisions for the physical requirements for containers, their locations, and collection requirements.

Summary of Notable Changes to the RCNYS

Item #	Code Section		Subject	Description of the Code Change
	2024	2020		
1	R301.1.4	N/A	Intermodal Shipping Containers	Provisions for construction with intermodal shipping containers has been added. Constructing houses out of 1 or more intermodal shipping containers has gained in popularity in recent years, and as such a section detailing requirements was added.
2	TBD	Figure R301.2(6)	Allowable Stress Design Ground Snow Loads	ASCE 7-22 included all-new ground snow load maps based on recent weather and snow load data. The updated data removed many of the "case study required" areas on the ASCE 7 snow load map, as well as updating the map to use ultimate design loads instead of allowable stress design loads. In the 2020 code (and previous code editions), NY included an NY-specific ground snow load map which replaced the IRC snow load maps. This map showed snow loads for the numerous areas of NYS which were "case study required" areas on the IRC maps. Since these areas now have snow load values included on the ASCE 7-22 map (and thus on the IRC map), the IRC map can likely be used in lieu of producing a new ultimate design load NY-specific snow load map.
3	TBD	Figures R301.2(2) & R301.2(3)	Seismic Design Categories for Default Site Class	Seismic design maps have been updated in the 2021/2024 IRC. In the 2020 code, the RCNYS used the IRC seismic maps, but only included the figures which show NYS, eliminating a number of figures which are included in the IRC. For the 2024 RCNYS, the updated figures from the IRC will similarly be included, keeping only the ones which apply to NYS.
4	R301.2, Table R301.2.1(1), and Table 301.2(2)	R301.2, Table R301.2.1(1), and Table 301.2(2)	Design Wind Speeds	Design wind speed map is updated to include lower wind speeds in many areas. The components and cladding wind pressure table has also been updated to reflect the lower wind speeds. The 2016 version of ASCE 7 provided new wind maps which have significantly lower wind speeds in large portions of NYS. These updated wind speeds are based on extensive research, weather data, and weather modelling, which illustrated that lower design wind speeds were appropriate in a number of (mostly inland) areas. These new wind speeds have been incorporated into the IRC, to align it with the current ASCE 7 and the 2021 IBC.
5	R301.2.2.10	R301.2.2.10	Water Heaters in Seismic Areas	The anchorage requirements for water heaters in high seismic areas has been expanded to include townhouses in seismic design category C. Overturning of water heaters in seismic events is a flooding hazard, and potentially a fire hazard as well in the case of gas powered water heaters. Townhouses, due to the increased likelihood of an event in one unit affecting multiple other units in the same building, have been added at a lower seismic activity level than previously required.
6	R301.2.2.10	R301.2.2.10	Seismic restraint of appliances and equipment	Seismic restraints requirements are expanded from just water heaters to include other appliances and equipment. In addition, townhouses in seismic design category C are also included in these requirements.
7	R301.2.2.6	R301.2.2.6	Irregular Buildings in Seismic Areas	Light-frame construction on hillsides has been included in the IRC list of irregular building features which require engineered design. Due to differences in stiffness caused by varying wall heights in a building along a hillside, the prescriptive design requirements of the IRC are not adequate, and an engineered design is required.
8	R302.1	R302.1	Two-Family Dwelling Separation	Townhouse provisions added to exterior wall fire separation distance requirements, including requirements for dwellings and townhouses on the same lot and walls separating townhouse units.

Summary of Notable Changes to the RCNYS

Item #	Code Section		Subject	Description of the Code Change
	2024	2020		
9	R302.3 - R302.3.6.3	R302.3	Two-Family Dwelling Separation	This change specifies that the presence of a lot line along the wall dividing two-family dwellings does not affect the construction requirements for that wall. Some jurisdictions have taken the presence of a lot line along the wall dividing a two-family dwelling to mean that two 1-hour fire rated walls are required, but this update clarifies that only a single 1-hour fire rated wall is required. Additionally, requirements for fire resistance, penetrations, assemblies, shared accessory rooms, and vertically stacked dwelling units are added.
10	R305.1.2	N/A	Habitable attics and basements in existing buildings	Minimum ceiling height provisions are added for habitable attics and basements which are retrofitted into existing buildings, including provisions for sloped ceilings.
11	R306.2.1 & R306.3.2	R322.2.1 & R322.3.2	Elevation requirements	Provisions requiring elevation in flood hazard areas for attached and detached garages and accessory structures are added. Section number change is due to ICC 2024 reorganization of Chapter 3.
12	R310.1	R310.1	Emergency Escape and Rescue Openings	This change clarifies that a path through a yard (or yards) to the public way must have a minimum width of 36 inches. Previous editions of the IRC did not specify a minimum width for exterior egress paths to the public way. This provides for a minimum width to allow safe travel along the exterior egress path.
13	R320.2	N/A	Live/Work Units	This change adds requirements for accessibility in live/work units. Specifically, non-residential areas of live/work units must be accessible, and if there are more than 4 dwelling units, the residential areas must meet the accessibility requirements for live/work units in the IBC. This change aligns the IRC accessibility requirements with those of the IBC for live/work units, while maintaining a similar exception to the existing exception for lodging houses with four or fewer guestrooms.
14	R321	R321	Elevators and Platform Lifts	The section containing requirements for elevators and platform lifts in private residences has been updated and expanded, including provisions for accessibility, hoistway enclosures and opening protection.
15	R322.2.1	R322.2.1	Flood Elevation requirements	Flood elevation requirements for attached garages and carports, as well as detached garages and accessory structures are added in the 2021/2024 IRC update.
16	R324	R324	Photovoltaic Systems	Exceptions for building-integrated photovoltaic systems have been added to clear access pathway and emergency rescue opening restrictions on photovoltaic system placement. Building-integrated photovoltaic systems typically involve replacing the traditional roof finish with photovoltaic finishes, such as PV roof shingles. These finishes do not present a tripping or access hazard, and as such are exempted from the clear access requirements. These finishes are also required to not prevent electrical shock hazards to firefighters cutting through them.
17	R324.6.4	N/A	Building-integrated photovoltaic (BIPV) systems	Requirements for marking hazardous areas for fire service operation are added, with an exception for BIPV systems which do not present a hazard in accordance with UL standards.

Summary of Notable Changes to the RCNYS

Item #	Code Section		Subject	Description of the Code Change
	2024	2020		
18	R324.7 - 324.7.2	N/A	Elevated photovoltaic (PV) support structures	Requirements for elevated PV support structures, including accessory structures, structures installed over open framing, and structures installed over roof assemblies, are added.
19	R326	R325.6	Habitable Attics	Habitable attics have been clarified as counting as a story above grade plane, unless they meet the requirements of the exception (which includes a floor area of less than 50% of the floors below). This clarification is intended to coordinate the IBC and IRC views on habitable attic spaces such that both codes designate them as a story above grade plane.
20	R326	N/A	Sleeping Lofts	The 2024 ICC added section 326, which provides requirements for sleeping lofts, including maximum area, minimum ceiling heights and means of egress requirements.
21	R328	R327	Energy Storage Systems (ESS)	The provisions for ESS have been extensively updated, including requirements for: installation locations, maximum energy ratings, fire detection, vehicle impact protection, labelling, and documentation.
22	R329	N/A	Stationary Engine Generators	Requirements for manufacture and installation of stationary engine generators are added.
23	R330	N/A	Stationary Fuel Cell Power Systems	Stationary fuel cell power systems are required to follow the requirements provided in the Fire Code of New York State.
24	Tables R403.1.1, R403.1.2, & R403.1.3	Tables R403.1(1), R403.1(2), & R403.1(3)	Minimum Width and Thickness for Concrete Footings	Loads and calculation methods were revised, and minimum width and thickness for concrete footings were recalculated. Many of the table values have changed, some have increased while some have decreased.
25	R403.5, Table 403.5, & Figures R403.5(1)-(3)	N/A	Crushed stone footings for cast-in-place concrete foundations	Concrete foundation wall requirements and crushed stone footing requirements added. New figures show allowable configurations for use of crushed stone footings.
26	R408.8	N/A	Under-floor vapor retarder	Continuous vapor retarder required to be installed under the floor joists in crawl spaces in climate zones below the warm-humid line.
27	R502.11 - R502.11.3	N/A	Floor framing supporting guards	Requirements for framing at open floor edges supporting guard assemblies are added, including specific provisions for conventional, timber, and truss floor framing.
28	R505.1.1.1 - R505.2.6	R505.1.2 - R505.2.6.3	Cold-formed steel floor framing	Detailed requirements for cold-formed steel floor framing have been removed and replaced with references to AISI S240.
29	R507.1, R507.4, R507.5, R507.6, R507.7	R507.1, R507.4, R507.5, R507.6, R507.7	Exterior Decks	Exterior decks are required to be designed to the greater of the deck live load or the ground snow load. Load tables for all deck support members have been updated to include snow loads, as well as reorganized for greater readability.

Summary of Notable Changes to the RCNYS

Item #	Code Section		Subject	Description of the Code Change
	2024	2020		
30	Table R507.4	Table R504.4	Deck Post Height	Maximum deck post height table is replaced with one that includes provisions for live loads and post species in addition to post size.
31	R507.10	N/A	Exterior Guards	A new section has been created, specifying requirements for exterior guards on exterior decks. Previously, the IRC did not have requirements for exterior guards (such as safety railings). These requirements have been added to the 2021 code.
32	R602.10.1.2 - R602.10.6.4	R602.10.1.2 - R602.10.6.4	Braced wall lines	Requirements for the locations of braced wall lines have been added to the braced wall line provisions, and adjustments to other braced wall provisions have been added, including wall height provisions and provisions for areas of high seismic activity.
33	R602.10.6.5	R602.10.6.5	Stone and Masonry Veneer	This change limits the use of the IRC prescriptive design tables for buildings in areas of high seismic activity. Use of the prescriptive design tables is limited to one-story townhouses in high seismic areas - all others must have an engineered design. One- and two-family dwellings with stone/masonry veneer above the first story are limited to certain braced wall construction methods in high seismic areas.
34	R602.10.10.1	R602.10.10.1	Cripple wall bracing for Seismic	Provisions limiting bracing methods for cripple walls in high seismic areas are added. Provisions for the construction of bracing for such cripple walls based on the number of stories in the building are also added.
35	R702.7	N/A	Vapor retarders	Requirements for the installation of vapor barriers have been added, including locations where such barriers are required, and barrier material specifications. Vapor retarders are necessary to prevent the infiltration of water vapor into, or out of, the structure, depending on weather conditions.
36	R703.7.3	R703.7.3	Water-Resistive Barriers	Specific requirements for dry and moist/marine climates have been added. Very dry and very moist climates affect the functions of the water-resistive barriers in exterior walls. These new provisions provide guidance for these special situations.
37	Table R703.8.4 (1)	Table R703.8.4 (1)	Veneer Attachment	Additional veneer attachment options have been added to allow for larger air gaps behind the veneer. Larger air gaps allows for more continuous insulation on the exterior of the structure, which can aid in meeting energy code requirements.
38	R703.11.1	N/A	Starter Strips & Utility Trim	Provisions for the installation of starter strips and utility trim for vinyl siding have been added. These provisions ensure that vinyl siding is properly installed, especially around openings such as windows or doors.
39	R704	R703.3.1	Soffits	A new section has been created, with expanded requirements for soffit materials, design, and installation. Previous soffit requirements were very brief, and mostly required compliance with manufacturer requirements. This new section provides prescriptive guidance on the materials, design, and installation of soffits.
40	R802.5 & R802.6	R802.5 & R802.6	Rafter and Ceiling Joist Bearing	Additional specifications are provided to clarify and limit where ridge boards can be used. This change clarifies the requirements for use of ridge boards, including heel joints, numerical slope limits, and framing requirements.
41	Table R804.3	Table R804.3	CFS Roof Framing Fasteners	The fastening schedule for cold-formed steel roof framing members is updated and clarified. This change aligns the IRC with the 2018 AISI S230, which has increased wind load requirements.

Summary of Notable Changes to the RCNYS

Item #	Code Section		Subject	Description of the Code Change
	2024	2020		
42	R905.4.4.1	R905.4.4	Metal Shingle Wind Resistance	Requirements for the wind resistance of metal roof shingles were added. Metal roof shingles do not behave in the same manner as asphalt shingles under wind loading, but are also not adequately represented by existing requirements for metal roofing. Requirements specific to metal roof shingles were added to allow them to be properly designed and specified.
43	R905.6.5	N/A	Wind resistance of slate shingles	Requirements for the wind resistance of slate roof shingles were added. Existing requirements for slate roof shingles did not include provisions for wind resistance and classification. Requirements specific to slate roof shingles were added to allow them to be properly designed and specified.
44	R905.7.5 & R905.8.6	N/A	Wind resistance of wood shake & shingles	Requirements for the wind resistance of wood shakes and wood roof shingles were added. Existing requirements for wood shakes and shingles did not include provisions for wind resistance and classification. Requirements specific to wood shakes and shingles were added to allow them to be properly designed and specified.
45	R905.7.1 & R905.8.1	R905.7.1 & R905.8.1	Deck Sheathing requirements	Ventilation provisions were added to deck sheathing requirements for wood shakes and wood shingles installed over spaced sheathing.
46	R905.12.4, R905.13.4, R905.14.4, R905.15.4	N/A	Wind resistance of roofing	Requirements for wind resistance of thermoset single-ply roofing, thermoplastic single-ply roofing, sprayed polyurethane foam roofing, and liquid-applied roofing were added. Requirement for testing and installation of these products were added.
47	R905.17.7	N/A	Wind resistance of BIPV roof panels	Requirements for the wind resistance of BIPV roof panels were added. Existing requirements did not include provisions for wind resistance and classification. Requirements specific to BIPV roof panels were added to allow them to be properly designed and specified.
48	R908	N/A	Roof Coatings	Requirements for roof coatings were added, including installation provisions and material standards.
49	M1411	N/A	Refrigerants	Provisions for refrigeration systems using A2L refrigerants were added. Use of such refrigerants has increased due to concerns over the global warming potential of traditional refrigerants. However, A2L refrigerants are mildly flammable, so provisions specific to these refrigerants are necessary.
50	M1505	M1505	Ventilation	A 30% reduction in required mechanical ventilation rate was allowed for balanced ventilation systems. A table showing required local exhaust rates was added.
51	M1805.4	N/A	Factory built chimney offsets	Requirements for maximum angle from vertical and maximum number of elbows added.
52	M2002.4.1	N/A	Requirements for discharge pipe	Detailed boiler pressure relief valve discharge piping requirements were added. The existing requirements for discharge piping were not extensive, so the new requirements provide clarity on how to install drainage piping.
53	M2101.11- M2101.30	N/A	Hydronic piping fittings & joints	Provisions for hydronic piping were added, including joint and fitting requirements.
54	G2427.5.5.1	G2427.5.5.1	Chimney Lining	The exception allowing new exhausts to be run through existing un-lined chimneys has been removed.

Summary of Notable Changes to the RCNYS

Item #	Code Section		Subject	Description of the Code Change
	2024	2020		
55	P2503.5.1	P2503.5.1	Drain, Waste, and Vent System Testing	The required test head pressure for drain, waste and vent piping systems is increased to 10 feet. The test pressure was reduced in the 2015 IRC, this change returns the value to the original 10 feet and brings the IRC in line with the IPC.
56	P2905.3	N/A	Hot water supply to fixtures	Hot water supply piping limited to a maximum of 50 feet from the hot water source. This limit prevents water waste due to occupants running water while waiting for the water temperature to heat up.
57	P3011	P3011	Sewer/Drain Pipe Relining	This change provides and clarifies installation and testing procedures for relining drainage and sewer piping. Previous versions of the IRC recognized only one method of pipe relining. These changes update the code to allow a variety of new pipe relining techniques and provide installation and testing requirements.
58	E3601.8	N/A	Emergency Service Disconnect	An emergency service disconnect is required in a readily accessible outdoor location. In many one- and two-family dwellings, the electrical service disconnect is located inside the building. This leaves first responders with few safe options for disconnecting the power to the structure prior to entry. This provision will allow first responders to quickly and safely enter the structure, without having to wait for the utility company.
59	E3606.5	N/A	Surge Protection	A surge-protective device is required at the service panel. Modern dwellings have many sensitive electronics which can be damaged by electrical surges. This change will add a layer of protection from surges to all devices in the house, including appliances.
60	E3902	E3902	GFCI Protection	Ground-fault circuit-interrupter (GFCI) protection is required for up to 250-volt receptacles in the areas previously identified as requiring GFCI protection for 125-volt receptacles. The 20-amp limitation has been removed.
61	E3902.10	E3902.10	Indoor GFCI Protection	Damp or wet indoor areas not included in other code sections are also required to have GFCI protection.
62	E3902.5	E3902.5	Basement GFCI Protection	The requirement for GFCI protection in unfinished basement areas has been expanded to include all basement areas.
63	AF104	N/A	Radon Testing	Requirements for radon testing in structures required to be radon-resistant are added, including testing procedures, locations to be tested, and vent pipe requirements.
64	Appendix H	Appendix H	Patio Covers	New ultimate design wind speeds were added to the design wind pressure tables for screen enclosures.
65	Appendix J	Appendix J	Existing Buildings	Appendix A was reorganized and renumbered. A number of changes were made, including: more detailed structural provisions were added, requirements for preliminary meetings and evaluations of existing buildings were removed, and emergency rescue opening and carbon monoxide detection provisions were added to the general requirements section and removed from individual sections.
66	Appendix Q	Appendix Q	Tiny Houses	Loft provisions, air leakage, energy code compliance and ventilation requirements were added.
67	Appendix R	Appendix R	Light Straw-Clay Construction	Flood hazard area requirements were added.
68	Appendix S	Appendix S	Strawbale Construction	Flood hazard area requirements, braced wall panel requirements, and exterior finish requirements were added.

Summary of Notable Changes to the RCNYS

Item #	Code Section		Subject	Description of the Code Change
	2024	2020		
69	Appendix U	N/A	Cob Construction (Monolithic Adobe)	This is a new appendix which provides prescriptive and performance-based requirements for the use of natural cob (monolithic adobe) as a construction material. It is limited in application to the walls of one-story structures, except where additional engineering is provided.
70	Appendix V	N/A	Board of Appeals	This is a new appendix which provides criteria for board of appeals members and board of appeals procedures for conducting business.
71	Appendix W	N/A	3D-Printed Building Construction	This is a new appendix which provides for the design, construction and inspection of 3D building construction. UL 3401 was developed to evaluate critical aspects of this construction process to result in consistent 3D-printed building techniques that comply with a level of safety and performance equivalent to legacy construction techniques currently in the code.
72	Appendix Y	N/A	Extended Plate Wall Construction	This is a new appendix which provides additional requirements for buildings using extended plate wall construction.
73	Appendix Y	N/A	Hemp-Lime (Hempcrete) Construction	This is a new appendix which provides requirements for the use of hemp-lime as a non-structural building material and/or wall infill system.

Summary of Notable Changes to the EBCNYS

Item #	Code Section		Subject	Description of the Code Change
	2024	2020		
1	302.2.1	N/A	Additional codes in health care	Requirements for healthcare occupancies to comply with NFPA 99 added.
2	303	1106	Storm Shelters	The provisions were relocated and modified to make them applicable to all compliance paths. The most notable change in the text is for Group E. They now only need a shelter to house the occupant load of the classrooms, vocational rooms, and offices, not the additional assembly spaces.
3	304.3 & 503	304.3 & 503	Seismic evaluation and design procedures	Seismic force criteria requirements were clarified, and direct references to sections of the BCNYS and chapters of EBCNYS, Appendix A were added. Portions of section 503 were modified to reference this section instead of stating specific requirements.
4	306	305	Accessible means of egress	Requirements for accessible means of egress added, including requirements for accessibility during construction, number of means of egress, elevators, changes of occupancy, sleeping units, toilet rooms, and bathing rooms.
5	307	N/A	Smoke alarms	Requirements added for smoke alarms in Group R and I-1 occupancies undergoing an alteration, addition, change of occupancy, or relocation.
6	308	N/A	Carbon monoxide detection	Requirements added for carbon monoxide detection in existing buildings undergoing addition, alteration, change of occupancy, change of use within the same occupancy classification, or relocation.
7	309	N/A	Exterior Wall Coverings and Envelopes	This is a new requirement that will help to ensure the safety of existing buildings when replacement of the exterior wall covering or envelope is performed. It is required, when the building owner voluntarily makes changes or when replacement is necessary due to damage or failure of the exterior wall covering or envelope, for the new material to now comply with the IBC in certain scenarios.
8	406	406	Repairs - electrical wiring and equipment	Requirements for electrical wiring and equipment in buildings undergoing repairs have been modified, removing specific requirements and instead requiring compliance with NFPA 70. Additionally, requirements for compliance with NFPA 99 were added for healthcare facilities.
9	501.3	N/A	Healthcare facilities	Requirements for electrical and medical gas systems to comply with NFPA 99 were added for any altered or added portions of existing healthcare facilities.
10	502.1, 1101.5, 1301.2.3	N/A	Occupiable Roofs	Requirements for occupiable roof areas created by additions or alterations to comply with the requirements for new construction were added to several sections.
11	502.1.1, 1101.3	N/A	Risk category assignment	Requirements for determining risk category were added for situations in which the occupancy categories of an addition and an existing building do not match.
12	502.1.1, 502.3	502.3	Creation or extension of nonconformity, Flood hazard areas	Requirements added for additions to not create or extend nonconformities in existing buildings to which the addition is being made, including requirements for additions in flood hazard areas.

Summary of Notable Changes to the EBCNYS

Item #	Code Section		Subject	Description of the Code Change
	2024	2020		
13	502.5, 1101.4	N/A	Smoke Barriers in Group I-1	In situations where an addition to an existing Group I-1 building adds sleeping areas that result in more than 50 care recipients on a story, requirements were added for smoke barriers to be installed in order to subdivide such story into smoke compartments per requirements in the BCNYS.
14	502.5, 503.4, 805.3	502.5, 503.4, 805.3, 1103.2	Existing structural elements carrying lateral load	Clarification was added for determining the date of construction or completion when calculating wind and seismic demand-capacity ratios, allowing use of wind and seismic loads required by the code in effect at the time.
15	502.6, 503.16, 506.6, 903.4, 1011.4, 1101.4	N/A	Classroom Acoustics	Additions, Level 3 alterations, and changes of occupancy in educational occupancies are now required to meet the enhanced classroom acoustic requirements of Section 808 of ICC A117.1. The criteria in ICC A117.1, Section 808 are intended to be applicable to standard size self-contained classrooms while excluding larger spaces used for bands, choir, and other large groups. The criteria are also not intended to apply to ancillary learning spaces, such as individual tutoring spaces, corridors or cafeterias. Similar provisions were added to the IBC.
16	503.14, 503.16.1, 902.2.1	503.16.1	Smoke Barriers in Level 2 or 3 Alterations	In situations where an alteration to an existing Group I-1 or I-2 building adds sleeping areas that result in more than 30 care recipients on a story, requirements were added for smoke barriers to be installed in order to subdivide such story into smoke compartments per requirements in the BCNYS. Similar changes were made to Level 3 in Chapter 9.
17	803.2.2, 803.2.3, 803.2.5, 904.1.4, 904.1.5, 904.1.6	N/A	Sprinklers and Level 2 or 3 Alterations	An automatic sprinkler system is now mandated regardless of the number of occupants, with automatic sprinkler protection required throughout the work area of an I-2 use for Level 2 alterations. If the work area is greater than 50 percent of a smoke compartment, the entire smoke compartment must be sprinklered. Similar changes were made to Level 3 in Chapter 9.
18	908	N/A	Emergency Responder Communications System Coverage	Requirements for the existing building to undergo an evaluation of the emergency responder communication signal strength and coverage area within the entire building have been added for Level 3 alterations.
19	1011.2.1.1	N/A	Nonrequired automatic sprinkler systems	A section was added allowing non-required sprinkler systems to be removed if certain conditions were met and approval was obtained from the code official.
20	1501.1	1501.1	Fire Safety During Construction	Requirement with chapter 33 of the FCNYS was added, in addition to the existing requirement for compliance with chapter 15.
21	1502	N/A	Owner's Responsibility for Fire Protection	A section detailing the responsibilities of a building owner for fire protection during construction was added. Requirements include a written fire safety plan, site fire safety director, daily site fire safety inspections, and provisions for violations of this section.

Summary of Notable Changes to the EBCNYS

Item #	Code Section		Subject	Description of the Code Change
	2024	2020		
22	1509	1509	Water Supply for Fire Protection	The requirements for water supply for fire protection during construction were expanded to include minimum flow requirements and fire separation distance requirements.
23	Appendix A	Appendix A	Steel retrofit systems	Requirements added for steel retrofit systems in seismic retrofits of wood-frame residential buildings.
24	Appendix D	N/A	Board of Appeals	This is a new appendix which provides criteria for board of appeals members and board of appeals procedures for conducting business.
25	Appendix E	N/A	Temporary Emergency Use of Existing Buildings	A new appendix was added to provide guidance on the temporary emergency use of existing buildings with respect to the minimum code requirements.

Summary of Notable Changes to the PCNYS

Item #	Code Section		Subject	Description of the Code Change
	2024	2020		
1	305.8	N/A	Expansive Soil	Requirements added for buried plumbing and plumbing installed in void space under foundations in expansive soils.
2	306.2.4	N/A	Tracer Wire	Requirements to install tracer wire for plastic sewer piping were added.
3	312.4	N/A	Drainage and vent vacuum test	Option added for vacuum testing of drain-waste-vent (DWV) piping.
4	TABLE 403.1	TABLE 403.1	Minimum Number of Required Plumbing Fixtures	Ambulatory care facilities and several other occupancy sub-types added to table.
5	403.3.3	403.3.3	Location of Toilets in Occupancies Other Than Malls	The location and maximum distances of travel to required public and employee facilities in Group S occupancies shall be permitted to exceed that required by this section, provided that the location and maximum distances of travel are approved.
6	403.3.6	403.3.6	Door locking	Exception added for allowing door locking from inside the room for doors to multiple-user toilet facilities.
7	410.3.2	N/A	More than the minimum number	Provisions for how to divide drinking fountains between high and low when more than the minimum number of fountains are provided were added.
8	501.9	N/A	Lead Content	Requirements for maximum lead content in water heaters were added.
9	504.7	504.7	Required pan	Plastic pans for gas-fired water heaters required to be tested in accordance with ASTM E84 or UL 723.
10	605.14.2 & 605.15.2	605.14.2 & 605.15.2	Solvent cementing	Installation standards added for solvent-cemented plastic piping joints.
11	609.2.1	N/A	Tracer wire for nonmetallic piping	Requirements to install tracer wire for non-metallic piping for hospital water services were added.
12	TABLE 702.6	N/A	Chemical Waste Drainage System Pipe and Fittings	Standards for chemical waste drainage pipe and fittings added.
13	717	N/A	Relining Building Sewers and Building Drains	Requirements added for relining of building sewer and building drain piping, including materials, installation, and approval.
14	718	N/A	Rehabilitation of Building Sewers and Building Drains	Requirements for sectional cure-in-place rehabilitation of sewer piping were added.

Summary of Notable Changes to the PCNYS

Item #	Code Section		Subject	Description of the Code Change
	2024	2020		
15	903.1.3	N/A	Protected vent terminal	This change adds new requirements for protected outdoor roof vent terminals to accommodate solar panel and architectural roof feature installations. Requirements include pipe termination height above roof, vent placement, and open areas required for vents.
16	1002.4.1.5	N/A	Fixture drain connection for trap priming	Requirements for fixture drains to be connected to floor drains for trap priming were added.
17	1106.2 & 1106.2.1	1106.2	Size of storm drain piping	Requirements for rainfall flow rate calculation and storm drain sizing based on flow rate were added.
18	Appendix F	N/A	Board of Appeals	This is a new appendix which provides criteria for board of appeals members and board of appeals procedures for conducting business.

Summary of Notable Changes to the MCNYS

Item #	Code Section		Subject	Description of the Code Change
	2024	2020		
1	TABLE 403.3.1.1	TABLE 403.3.1.1	Minimum Ventilation Rates	Minimum ventilation rates for animal facilities, outpatient healthcare facilities, and other various occupancies added.
2	403.3.2.1	403.3.2.1	Outdoor air for dwelling units	Outside air requirements for dwelling units have increased in line with ASHRAE 62.2. The code will now give credit to dwelling unit ventilation systems that provide better distribution of outdoor air and provide for the mixing of indoor and outdoor air for better dilution of contaminants. The ventilation rate determined by equation 4-9 can be reduced by 30 percent where the ventilation system is balanced and outdoor air is ducted to each bedroom and also to the choice of the living room, dining room or kitchen.
3	501.6	N/A	Common Ducts	Discharge ducts for exhaust fans serving separate dwelling/sleeping units are prohibited from sharing a common duct, unless such duct is maintained at negative pressure.
4	502.2	502.2	Manicure and Pedicure Exhaust	The exhaust system for manicure and pedicure stations shall have controls that operate the system continuously when the space is occupied. The code will require the exhaust system to operate continuously while the space is occupied, which presumably means during the hours the salon is open for business. <i>Coordinate with DOS Division of Licensing - Regulate Nail Salons.</i>
5	505.7 & 505.8	N/A	Groups I-1 & I-2 Occupancies	Cooking equipment hood requirements for I-1 and I-2 occupancies added. Requirements prohibiting the use of domestic ductless range hoods in Groups I-1 and I-2 were removed.
	506.3.2.5	506.3.2.5	Grease duct testing	The light test and the water spray test were added as permissible test methods for grease ducts.
6	604.3	604.3	Coverings and Linings	Flame spread and smoke-developed testing procedure requirements added for duct linings.
7	929	N/A	Unvented Alcohol Fuel Burning Decorative Appliances	Requirements for unvented alcohol fuel burning decorative appliances were added.
8	931	N/A	Steam Bath Equipment	Requirements for steam bath equipment added, including UL 499 standard and installation provisions.
9	1002.4	N/A	Water Heater Pan	This section adds locations where hot water storage tanks and storage type water heaters are required to be installed in pans, and includes pan material and dimensional provisions.
10	1002.4.1.5	N/A	Fixture drain connection for trap priming	Requirements for fixture drains to be connected to floor drains for trap priming were added.
11	1006.6	1006.6	Safety and relief valve discharge	Leak detection monitoring with alarm requirements have been added where the discharge from safety relief valves is not "readily visible" to occupants.
12	1101.2.1 & Table 1103.1	N/A	A2L Refrigerants	Provisions for refrigeration systems using A2L refrigerants were added. Use of such refrigerants has increased due to concerns over the global warming potential of traditional refrigerants. However, A2L refrigerants are mildly flammable, so provisions specific to these refrigerants are necessary.

Summary of Notable Changes to the MCNYS

Item #	Code Section		Subject	Description of the Code Change
	2024	2020		
13	1105.10	N/A	Means of Egress	Provisions for means of egress for large mechanical rooms were added, including number of required exits, distance to exits, and exit door and ladder details.
14	1106.2 & 1106.2.1	1106.2	Size of storm drain piping	Requirements for rainfall flow rate calculation and storm drain sizing based on flow rate were added.
15	Appendix F	N/A	Board of Appeals	This is a new appendix which provides criteria for board of appeals members and board of appeals procedures for conducting business.

Summary of Notable Changes to the FGCNYS

Item #	Code Section		Subject	Description of the Code Change
	2024	2020		
1	402.7	402.7	Press-Connect Joints	Allows piping joined by fittings listed to ANSI LC-4/CSA 6.32 and installed in accordance with the manufacturer's instructions. Code now recognizes press-connect joints as suitable for high pressure (over 5 psig) applications indoors for gas systems.
2	413.2	N/A	Fueling appliances	Requirements for residential and non-residential fueling appliances were added.
3	Table 503.8	Table 503.8	Through-the-wall Vent Terminal Clearance	Clearance requirements for vent terminals in "through-the-wall" penetrations have been added.
4	606.1	606.1	Cremation and incinerators	Requirements for crematory furnaces and incinerators to meet UL standards 790 and/or 791 were added.
5	614.7	614.7	Dryer Exhausts	Dryer exhaust duct termination location requirements were added. Additionally, a prohibition on domestic booster fans was added.

Summary of Notable Changes to the PMCNYS

Item #	Code Section		Subject	Description of the Code Change
	2024	2020		
1	310	N/A	Accessibility	Requirements for maintenance of accessible facilities were added.
2	311	N/A	Storm Shelters	Requirements for community storm shelters were added.
3	404.4.1 & Table 404.5	404.4.1 & Table 404.5	Minimum room areas	Minimum room areas for habitable rooms have been standardized to 70 sqft for all types of habitable rooms. This is a reduction from 120 sqft. which was previously required for living rooms. The change aligns the PMC with the RC and BC.
4	602	602	Heating Facilities	The installation of one or more portable space heaters shall not be used to achieve compliance with the heating requirements of this Section.
5	606.3	N/A	Private residence elevators	Requirements were added for maintenance of elevators in private residences.
6	704.3	704.3	Systems Out of Service	Exception added that allows facilities with an approved notification and impairment management program complying with NFPA 25 to be exempt from the requirements of this Section.