

## City of Prescott Fire 2021 & 2024 International Fire Code Significant Changes

CODE SECTION	SCOPE OF CODE CHANGE	CODE CHANGE YEAR	TYPE OF CHANGE TO CODE SECTION	FIELD INSPECTION	NOTES ON PLANS	DETAILS ON PLANS	MISC. NOTES
104 Duties and Powers of the Fire Code Official	The provisions for review and approval of alternative methods are revised and clarified. The alternative method criteria are now the same in all the International Codes (I-Codes)®, enhancing the uniformity and application of companion codes.	2024	Modification				
202 Definition of Emergency Responder Communications Enhancement System	The two-way emergency responder communications system is now referred to as the emergency responder communications enhancement system, and several other definitions are included to assist in applying these regulations.	2024	Addition				
202 Definition of Flammable Gas	The category of flammable gas has been subdivided into two subcategories based on flammability characteristics.	2024	Modification				
202 Definition of Occupiable Roof	The term occupiable roof now includes human occupancy on rooftops for purposes other than maintenance and repair.	2024	Addition				
202 Definition of Puzzle Rooms	Puzzle rooms are defined in the code and included under the general definition of special amusement areas.	2024	Modification				

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203 Occupancy Classification and Use	Occupancy classifications are removed from the list of definitions in <a href="#">Chapter 2</a> and relocated to a new <a href="#">Section 203</a> to improve user understanding and enhance correlations with the <a href="#">IBC</a> .	2024	Clarification				
304 Trash Collection and Containers	The requirements for waste containers are reorganized to improve clarity and application. Requirements for valet trash collection are added.	2024	Modification				
304.3.6, 304.3.7, 808.1 Trash Containers	Provisions for waste and linen containers in institutional and ambulatory care facilities are relocated to <a href="#">Section 304.3</a> .	2024	Modification				
314.4 Indoor Vehicle Display	Revisions are made to address the newer alternative fuels and power systems found in today's vehicles.	2024	Modification				
317 Vegetative Roofs	Landscaped and vegetative roofs are defined separately since they have different applications.	2024	Modification				
320, 202 Additive Manufacturing (3D Printing)	Requirements for 3D printing operations are added to the code.	2021	Addition				
320 Battery Storage	Requirements pertaining to the storage of lithium-ion and lithium metal batteries are added to address the significant fire hazard that occurs during thermal runaway.	2024	Addition				

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321, 321.1 Exterior Artificial Combustible Vegetation	Artificial combustible vegetation is regulated when it is located on a roof or within close proximity to a building.	2021	Addition				
322 Powered Micromobility Devices	Requirements are added to regulate the use and recharging of lithium-ion or lithium metal battery powered micromobility devices.	2024	Addition				
403.10.6 Fire Safety Plan for Lithium-Ion Batteries	A fire safety and evacuation plan must be maintained for most areas using lithium-ion or lithium metal batteries.	2024	Addition				
405.1, 405.2 (New), Table 405.3, 405.5 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.	2021	Modification				
508.1, 508.1.1, 508.1.3, 508.1.7 (New) Fire Command Center	A fire command center is required in large buildings classified as Group F-1 and S-1 occupancies.	2021	Modification				

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510.4.1.1, 510.4.1.2 ERCES Signal Strength	The measurement of the downlink signal strength in an ERCES system is based on the Delivered Audio Quality of 3.0.	2024	Modification				
510.4.1, 510.4.1.1, 202 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.	2021	Modification				
510.4, 510.4.2.4, 510.4.2.5, 510.4.2.8, 510.5.1 (New), 510.5.4 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.	2021	Modification				
510.4.1.1, 510.4.1.2 ERCES Signal Strength	The measurement of the downlink signal strength in an ERCES system is based on the Delivered Audio Quality of 3.0.	2024	Modification				

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510.4.2.8, 510.4.2.9 Emergency Responder Communications Enhancement System (ERCES)	Additional requirements are included for emergency responder communications enhancement systems to deal with signal interference and the near-far effect.	2024	Modification				
603.4 Electrical Working Space	Working space dimensions around electrical equipment are revised to correlate with NFPA 70.	2021	Modification				
604.5.4 (New), 604.5.5 (New), 315.3.3 Storage in Elevator Machine Rooms and Lobbies	Storage is prohibited in elevator lobbies, elevator cars and elevator machine rooms.	2021	Addition				
605.1, 605.4, 605.4.1.1 (New), 605.4.2.1 (New), 605.4.2.2 Fuel Oil Storage Tanks	Requirements for fuel-oil tanks are enhanced with specific standards for tank design, a correlating reference to the <i>International Mechanical Code</i> (IMC) and additional protection when tanks in a building exceed 660 gallons.	2021	Modification				
608.1.1 CO <sub>2</sub> Mechanical Refrigeration Systems	Mechanical refrigeration systems utilizing carbon dioxide (CO <sub>2</sub> ) as a refrigerant are now regulated in the <a href="#">IFC</a> .	2024	Addition				

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608.1, 608.9 Ammonia Mechanical Refrigeration Systems	Requirements for ammonia refrigeration systems are contained in IIAR standards rather than the <a href="#">IFC</a> .	2024	Modification				
608.12 Storage of Refrigerants	Refrigerant gases temporarily removed from equipment during repair or maintenance are not considered as storage of gases for maximum allowable quantity purposes.	2024	Modification				
610 Clothes Dryer Exhaust Ducts	Provisions are added to ensure the clothes dryer lint trap and exhaust duct are cleaned and maintained properly.	2021	Addition				
701.6 Maintenance of Fire-Resistance- Rated Construction	Owner inspections are required annually for fire-resistance-rated protection of mass timber construction.	2021	Modification				
703.2, 704.2 Repair of Penetrations and Voids	Specific requirements have been added to the code for repair or replacement of penetrations, joints and voids in fire-resistance-rated construction.	2021	Addition				
705.2.7 Rolling Fire Door Testing	Rolling steel fire doors must be inspected, tested and reset by a trained fire door systems technician on an annual basis.	2024	Modification				

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708, 708.1 Maintenance of Spray Fire- Resistant Materials	Maintenance requirements for spray fire-resistant materials and intumescent fire-resistant materials are added to the code.	2021	Addition				
803.11.1 Foam Plastics	Foam plastics can be used as interior finish provided the materials comply with specified test standards.	2024	Modification				
808.5 (New) Play Structures	Play structures added to existing buildings must comply with the requirements in the <i>International Building Code</i> (IBC).	2021	Addition				
202 (New), 901.1, 901.2, 901.2.1, 901.4, 901.4.1, 901.4.3 (New), 901.4.5, 901.6 Life Safety Systems	A definition for life safety systems is added and sections modified to address provisions in Chapter 9 that address life safety systems in addition to fire protection systems.	2021	Modification				
903.2 Sprinklers on Batteries for Telecommunication	Sprinkler protection in areas containing batteries at telecommunication facilities is only exempted for batteries that do not exceed 50 VAC and 60 VDC and are installed in accordance with NFPA 76.	2024	Clarification				
903.2, 903.3 Sprinklers for Battery Storage, Testing and Vehicle Repair	A sprinkler system is required for facilities where lithium-ion batteries or lithium metal batteries are developed, tested, manufactured and stored, and also where vehicles powered by lithium-ion or lithium metal batteries are repaired.	2024	Modification				

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903.2.4.2 (New), 903.2.9.3 (New) Distilled Spirits	Fire areas containing Group F-1 occupancies used for the manufacturing of distilled spirits or Group S-1 occupancies used for the storage of distilled spirits or wine are required to be equipped with an automatic sprinkler system.	2021	Addition				
903.2.4, 903.2.4.3 (New), 903.2.7, 903.2.7.2 (New), 903.2.9, 903.2.9.4 (New) Upholstered Furniture and Mattresses	Requirements for the installation of an automatic sprinkler system in facilities manufacturing, storing or selling upholstered furniture and mattresses have been revised.	2021	Modification				
903.2.8.3 Sprinklers in Group R-4	An automatic sprinkler system with a minimum design to NFPA 13R is required in Group R-4 Condition 2 occupancies.	2024	Clarification				
903.2.10, 903.2.11.3 Group S-2 Parking Garages	Open parking garages are required to be equipped with an automatic sprinkler system when the fire area exceeds 48,000 square feet.	2021	Modification				
903.2.10.2, IBC 202 Mechanical-Access Parking Garages	Mechanical-access enclosed parking garages are defined and now require an automatic sprinkler system.	2021	Addition				



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903.3.1.2 NFPA 13R Sprinkler Systems	The allowable use of NFPA 13R sprinkler systems in Group R occupancies is reduced, especially those built with the podium concept, which increases the fire protection in these buildings.	2021	Modification				
903.3.1.1.1 Sprinkler System Exempt Locations	Two exempt sprinkler locations have been consolidated to eliminate confusion and clarify where sprinkler systems may be omitted.	2024	Modification				
903.3.1.2 NFPA 13R Sprinkler Installations	Group R-2 occupancies are allowed to use NFPA 13R sprinkler system where the height to the roof assembly does not exceed 45 feet when measured from the lowest level of fire department vehicle access.	2024	Modification				
903.3.1.2.2 Sprinklers on Means of Egress Balconies	This revision modifies the requirements in NFPA 13R and specifies that sprinklers are required to protect corridors and egress balconies that are not adequately open to the exterior to provide for heat and smoke to escape.	2021	Modification				
903.4, 903.3.9 Sprinkler System Supervision and Alarms	The sprinkler alarm supervision and monitoring provisions are reformatted. The exterior water flow alarms are specifically removed for one- and two-family dwellings, while a requirement for a visual water flow alarm is added for other occupancies.	2024	Modification				
904.12 Hybrid Fire-Extinguishing Systems	Hybrid fire-extinguishing systems are now addressed in the <a href="#">IFC</a> .	2024	Addition				

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904.14.1 Manual Actuation Device	A new exception allows placement of a manual actuation device at distances other than 10-20 feet from cooking areas.	2024	Modification				
905.3.1 Standpipes in Parking Garages	When a standpipe is required in a parking garage, whether open or enclosed, the standpipe will be a Class I standpipe without the requirement for spacing hose connections as required for Class II standpipes.	2021	Modification				
905.3, 905.4 Standpipe Locations	Requirements are clarified to eliminate confusion and provide guidance as to which buildings require standpipes and where the stand-pipes need to be located.	2024	Clarification				
905.3.4, 905.5.1 Standpipes on Stages	Standpipes are no longer required on stages or on tiers of dressing rooms in Group A-1 or A-2 occupancies.	2024	Deletion				
906.1 Portable Fire Extinguishers	Portable fire extinguisher requirements can be provided on vehicles in lieu of fixed installation in the building for certain Group S and Group U occupancies.	2021	Modification				
907.2.1 Group A Fire Alarm	Manual fire alarms and emergency voice/alarm communication systems are not required for certain outdoor, bleacher-type seating facilities classified as Group A-5.	2024	Modification				

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907.2 Fire Detection for Lithium-Ion and Lithium Metal Batteries	A fire alarm and detection system is required where lithium-ion or lithium metal batteries are developed, tested or manufactured, and where stored in battery storage rooms in Group M or S occupancies.	2024	Addition				
907.2.10 (New) Manual Fire Alarm in Public-Storage and Self-Storage Facilities	A manual fire alarm system is required in self-storage facilities which are three stories or more and have interior corridors.	2021	Addition				
907.2.11.3 Installation Near Cooking Appliances	As of January 1, 2025, all smoke alarms must be listed for resistance to common nuisance sources from cooking appliances.	2024	Modification				
907.4, 907.5, 907.5.1 (New), 907.5.2.1.3 (New), 907.5.2.1.3.1 (New), 907.5.2.1.3.2 (New) Low-frequency Alarms in Sleeping Rooms	Audible fire alarm notification with a 520 Hz low frequency signal is designed to enhance the waking effectiveness of high-risk segments of the population and is required in Group R-1 and R-2 occupancies when a fire alarm system is required.	2021	Modification				
907.5.2.1.2 Sound Pressure Level for Audible Alarms	The threshold for elimination of audible notification appliances has increased from 95 to 105 dBA.	2021	Modification				

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907.5.2.1.3 Audible Alarm Signal Frequency	The 520-Hz low-frequency alarm is now required in Group I-1 sleeping rooms.	2024	Modification				
907.5.2.2.5, 1203.2.4 Standby Power for Emergency Voice/Alarm Communications Systems	A standby power supply can now be used for emergency voice/alarm communication systems.	2021	Modification				
907.5.2.3.3, 907.5.2.3.3.1 (New) Expansion Capability for Fire Alarms in Group R- 2	The code specifies three options designing a fire alarm system in Group R-2 occupancies to allow for the future addition of visible notification appliances.	2021	Modification				
907.6.6.1, 907.6.6.2 (New) Fire Alarm System Monitoring	Fire alarm monitoring must be in accordance with NFPA 72 and must go through a human interface prior to alarms being transmitted to the emergency dispatch center.	2021	Modification				
907.10 Smoke Alarm Maintenance	Specific criteria on when smoke alarms must be replaced, and what type of audible alarm is required from the replacement smoke alarm, are added to the code.	2024	Clarification				

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908.3 Emergency Alarm and Fire Alarm Interface	When the emergency alarm system is interfaced with the fire alarm control unit, the fire alarm control unit shall respond with a supervisory signal.	2021	Addition				
909.17 Smoke Control System Response Time	The time for a smoke control system to achieve full operation is limited to 90 seconds.	2021	Modification				
910.3.4 (New), 910.3.5 (New) Smoke and Heat Vent Operation	Smoke and heat vents must have a manual release in addition to an automatic release. If the automatic release is a fusible link, a minimum operating temperature is now specified.	2021	Addition				
Tables 911.1, 5003.8.2 Explosion Hazard— Flammable Gas and Consumer Fireworks	<a href="#">Tables 911.1</a> and <a href="#">5003.8.2</a> include revisions for Category 1B flammable gases and consumer fireworks classified as Division 1.4G explosives.	2024	Modification				
912.5 Fire Department Connection Signs	Signs for fire department connections must indicate the type of system served and any specific pressure requirements.	2024	Modification				

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913.1 Fire Pumps	Pumps for fire sprinkler systems designed to <i>International Residential Code</i> (IRC) Section P2904 or NFPA 13D are not required to be listed fire pumps or comply with NFPA 20.	2021	Clarification				
913.2.2 Protection of Circuits for Electric Fire Pumps	Conductors powering a fire pump can be covered with a minimum of 2 inches of concrete to provide the required fire-resistance-rated protection.	2021	Modification				
914.3.1.1 Sprinkler Risers in High-Rise Buildings	Standpipe risers must be protected the same as sprinkler risers, and multiple risers are required in buildings greater than 420 feet in height.	2024	Modification				
914.3.1.2 Water Supply to Fire Pumps	Redundant water supply connections are required for fire pumps in high-rise buildings over 120 feet in height where constructed of Type IVA or IVB construction.	2021	Modification				
914.6.1 Sprinklers Under Catwalks	Fire sprinklers are required beneath catwalks and galleries only when NFPA 13 requires sprinklers beneath the obstruction.	2024	Modification				
914.7, 914.7.1, 914.7.2, 202 Puzzle Rooms	Specific provisions are added to the code to address puzzle rooms.	2021	Modification				
914.7, 907.2.12 Fire Alarms in Special Amusement Areas	Fire detection and alarm requirements are modified in special amusement areas along with an exception that eliminates puzzle rooms from complying if they provide readily available exits.	2024	Modification				

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915.1 Carbon Monoxide Alarms	Carbon monoxide (CO) detection is required in all occupancies containing a carbon monoxide source. Detection and notification can be addressed in several ways, and a definition is added to clarify where CO detection is required.	2024	Modification				
915.2 Carbon Monoxide Detection Locations	The location of carbon monoxide detectors is specified based on occupancy classification, type of use, or type of carbon monoxide source.	2024	Addition				
915.3, 915.5 CO Alarms and Fire Alarms	Criteria for the installation of CO alarms and CO detectors is provided, including the requirement to connect CO detectors to the fire alarm system in buildings required to install a fire alarm system.	2024	Addition				
917.2 Mass Notification in Group E	A mass notification risk analysis is required for Group E occupancies with an occupant load of 500 or more.	2024	Addition				
Table 1004.5, 1004.8 Information Technology Equipment	Information technology equipment rooms, along with appropriate definitions, are added to the code to address information technology equipment facilities.	2024	Addition				

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1006.3, 1006.3.1, 1006.3.2, 1017.3.2.3 Exit Access Stairways in Atriums	Clarifies that egress requirements are determined for each story or occupied roof level, and allows the path egress to traverse more than one story within an atrium.	2021	Modification				
1006.3.2, Exception 7; 1006.3, 1006.3.1 Egress from Occupied Roofs	Egress travel on exit access stairways and ramps that are exterior to the building and connecting occupied roofs are allowed to traverse more than one story.	2021	Modification				
1006.3.4, Table 1006.3.4(1), Table 1006.3.4(2) Single Exit - Exit Access vs. Common Path	When dealing with buildings or stories provided with only one exit or access to one exit, the travel distance requirement has been revised to now measure the exit access travel distance as opposed to the common path of egress travel.	2021	Clarification				
Tables 1006.3.3, 1006.3.4(1), 1006.3.4(2) Egress from Occupiable Roofs	Determination of the minimum number of exits from an occupiable roof now uses <a href="#">Table 1006.3.3</a> , <a href="#">1006.3.4(1)</a> or <a href="#">1006.3.4(2)</a> .	2024	Modification				



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1009.2.1 Elevator Serving Occupied Roof	Adds a requirement for an elevator to serve occupied roofs when the roof level is essentially the fourth story above the level of exit discharge.	2021	Modification				
1010.1.1 Size of Doors	The width for a swinging door is no longer limited to 48 inches and a consolidated exception allows for reduced size doors for single user showers, saunas, toilet compartments, dressing, fitting or changing rooms.	2021	Modification				
1010.2.4 Locks and Latches	Two additional exceptions have been added into the general locking section to allow locked doors in the egress system when needed for either the clinical needs of care recipients or where exterior areas egress back into the building.	2021	Modification				
Table 1010.2.4, 1010.2.5 Locks and Latches	The requirements for manual bolts and automatic bolts are reformatted and clarified.	2024	Modification				
1010.2.6 Stairway Doors	Additional requirements for unlocking stairway doors are added.	2024	Modification				
1010.2.8, 1010.2.8.1, 1031.2.2 Locking Arrangements in Educational Occupancies	Exit door locks for protection from intruders are allowed in Group E occupancies, Group B educational occupancies and Group I-4 occupancies. When remote operation is provided, the door must still be unlockable from outside the room.	2021	Modification				

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1010.2.9, 1010.2.9.1, 1010.2.9.2 Panic Hardware and Fire Exit Hardware	Panic or fire exit hardware is now required in electrical rooms with equipment greater than 800 amperes rather than 1,200 amperes, and in refrigeration machinery rooms exceeding than 1,000 square feet.	2021	Modification				
1010.2.9 Access Control Systems	When a door is provided with access control, several options are available for controlling egress, including no restriction of egress.	2024	Clarification				
1010.2.14 Elevator Lobby Exit Access Doors	Doors between an elevator lobby and the tenant spaces on a floor can be locked for security purposes provided the unlocking criteria is met.	2024	Addition				
1013.2 Low-Level Exit Signs in Group R-1	Low-level exit signs are not required in a Group R-1 occupancy equipped with an automatic sprinkler system.	2024	Modification				
1017.2.3 Group H-5 Exit Access Travel Distance Increase	Exit access travel distance is increased to 300 feet when specific building design criteria are met.	2024	Modification				
1020.5 Dead-End Corridors in Group I-2	In hospitals, dead-end corridors are now allowed a maximum length of 30 feet where they do not serve patient rooms or treatment spaces.	2021	Modification				

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1029.3 Construction of Egress Courts	When an egress court is less than 10 feet wide, it can either be protected by 1-hour fire-resistance-rated construction or be provided with two egress paths.	2024	Modification				
1030.16, 1030.16.1 Handrails at Social Stairs	Provides guidance to address handrails on stepped aisles, often called "social stairs," which are somewhere between general stairway provisions and assembly seating provisions.	2021	Modification				
1032.2.2, 1104.16.5.1, 1104.16.7 Fire Escape Maintenance	The requirements for maintenance of fire escape stairways are relocated from <a href="#">Chapter 11</a> to <a href="#">Section 1032</a> , which addresses maintenance of the means of egress.	2024	Modification				
1103.5.4 Sprinklers in High-Rise Buildings	Unsprinklered high-rise buildings must either install an automatic sprinkler system or meet specific egress and fire alarm criteria.	2021	Addition				
1103.7.5.1 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.	2021	Modification				
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.	2021	Modification				

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1103.9 Carbon Monoxide Alarms in Existing Buildings	Existing buildings with a carbon monoxide source are required to retroactively install carbon monoxide detection.	2024	Modification				
1107 Existing Lithium-Ion Energy Storage Systems	The level of potential hazard and needed mitigation for existing energy storage systems utilizing lithium-ion batteries must be evaluated if the energy storage system was constructed under code requirements prior to the 2018 <a href="#">IFC</a> .	2024	Addition				
1201.1, 1207.1 Energy Storage Systems Under Utility Control	Energy storage systems under the exclusive control of an electric utility must comply with <a href="#">Chapter 12</a> and NFPA 855.	2024	Modification				
1203.1.2 Fuel Line Piping Protection	Several options are provided for protecting the fuel line supplying emergency and standby generators.	2021	Modification				
1204 Portable Generators	Portable generators are now regulated and safety issues are addressed.	2021	Addition				

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1205.2.3 Markings for Building-Integrated Photovoltaic Systems	The requirements for marking the roof for firefighting operations have been clarified.	2024	Clarification				
1205.3.3 Smoke Ventilation with Solar PV	The requirement for access pathways to smoke and heat vents is clarified.	2021	Clarification				
1207 Electrical Energy Storage Systems	The requirements for energy storage systems have been reformatted and revised to better address this growing and changing technology.	2021	Modification				
1207.2.1 Energy Storage System Commissioning Plan	Two exceptions address commissioning requirements for energy storage systems with lead-acid batteries or nickel-cadmium batteries.	2024	Clarification				
Tables 1207.1.3, 1207.5, 1207.6 Energy Storage System Technologies	New battery technologies used for energy storage systems are included in the code.	2024	Modification				

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1207.5.5 Sprinklers for Energy Storage Systems	Sprinkler design criteria is revised to specify limitations in its application.	2024	Modification				
1207.11 Energy Storage Systems in Group R-3 and R-4	Several revisions occurred dealing with energy storage systems in Group R-3 or R-4 occupancies.	2024	Modification				
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.	2021	Modification				
2308.1, 2308.2, 2308.2.3, 2308.2.4 CNG Vehicle Fueling	Vehicle fueling with compressed natural gas (CNG), previously allowed at only residential occupancies, is now allowed at other occupancies.	2021	Addition				
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.	2021	Clarification				

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CODE SECTION	SCOPE OF CODE CHANGE	CODE CHANGE YEAR	TYPE OF CHANGE TO CODE SECTION	FIELD INSPECTION	NOTES ON PLANS	DETAILS ON PLANS	MISC. NOTES
2404.2, 2404.3 Prohibited Enclosures for Spray Application Operations	Inflatable or portable enclosures for spray application of flammable finishes is prohibited except in marina, dry docks and construction areas.	2024	Addition				
2404.3.3.6 Size of Spray Booths	Spray booths are no longer restricted to a maximum size of 1,500 square feet.	2021	Modification				
2404.5 Limited Finishing Workstation	A limited finishing workstation is now allowable for spray application of flammable finishes.	2024	Addition				
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.	2021	Modification				
Table 2704.2.2.1 Hazardous Material Limits in a Fabrication Area	The allowed density of certain hazardous materials in a fabrication area has increased, which results in larger quantities allowed in fabrication areas.	2024	Modification				

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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.	2021	Modification				
3103.5, 3103.9.1 Water-Filled Vessels for Tent Anchoring	Water-filled vessels can be used to anchor tents when they meet the load specifications for the specific tent.	2024	Modification				
3106 Inflatable Amusement Devices	Inflatable amusement devices are added to the code and have requirements for combustibility and operation.	2024	Addition				
3107.5.1, 3108.4, 3108.12, 4104.4, 4104.5 Cooking in Tents	Separation distances for tents used for cooking have been reduced.	2024	Modification				
Table 3203.8 High-Piled Storage of Lithium-Ion Batteries	High-piled storage of lithium-ion batteries is considered a high-hazard commodity.	2021	Addition				



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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.	2021	Modification				
3208.3 Flue Spaces	The storage rack structure is not considered an obstruction when measuring the width of a transverse flue space.	2024	Modification				
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.	2021	Modification				
Chapter 33 Fire Safety During Construction	<a href="#">Chapter 33</a> has been significantly reformatted to assist in usability and clarity.	2024	Clarification				
3303.3, 3303.3.1 Daily Fire Safety Inspection	New provisions for buildings under construction require daily fire safety inspections by the site safety director.	2021	Addition				

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CODE SECTION	SCOPE OF CODE CHANGE	CODE CHANGE YEAR	TYPE OF CHANGE TO CODE SECTION	FIELD INSPECTION	NOTES ON PLANS	DETAILS ON PLANS	MISC. NOTES
3303.5 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.	2021	Addition				
3305.5 Fire Watch	Requirements are added for fire watch during non-working hours at building construction sites.	2021	Modification				
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.	2021	Addition				
3312.1 Protection of Mass Timber	When mass timber buildings install a single layer of noncombustible protection so construction can continue above six stories, the floor surfaces do not need to be protected.	2024	Clarification				
3313 Water Supply During Construction	New requirements for minimum water supply during construction specify minimum fire flow and distance from the structure.	2021	Addition				
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.	2021	Clarification				

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CODE SECTION	SCOPE OF CODE CHANGE	CODE CHANGE YEAR	TYPE OF CHANGE TO CODE SECTION	FIELD INSPECTION	NOTES ON PLANS	DETAILS ON PLANS	MISC. NOTES
3901, 105.5.26 Plant Cultivation	<a href="#">Chapter 39</a> applies to facilities with plant processing and solvent-based extraction processes and now includes criteria for lighting systems and carbon dioxide enriched environments used in cultivation.	2024	Modification				
3903.7 Means of Egress	Exit doors and exit access doors serving an extraction room must swing in the direction of egress.	2024	Addition				
3904.2, 3904.2.1 (New), 3904.2.2 (New) Extraction Equipment	A new UL standard is available for listed extraction equipment.	2021	Modification				
3905.3 Ventilation During Extraction	Minimum ventilation requirements are included to address ventilation requirements in extraction rooms and during post-extraction processes.	2024	Addition				
Chapter 40 (New), 903.2.4.2 (New), 903.2.9.3 (New), 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.	2021	Addition				

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CODE SECTION	SCOPE OF CODE CHANGE	CODE CHANGE YEAR	TYPE OF CHANGE TO CODE SECTION	FIELD INSPECTION	NOTES ON PLANS	DETAILS ON PLANS	MISC. NOTES
4005 Protection of Distilled Spirits in Wooden Barrels	Specific design criteria are included for automatic sprinkler systems protecting distilled spirits in wooden barrels.	2024	Addition				
Chapter 41 Temporary Heating and Cooking Operations	A new chapter is provided to address temporary heating and cooking operations and correlate the requirements from various locations in the code.	2024	Addition				
4106 Mobile Food Preparation Vehicles	NFPA 96 is added as a standard for design and operation of mobile food preparation vehicles.	2024	Modification				
5001.1, 5701.2, 202 Hazardous Material Exemptions	Exceptions to Chapters 50 and 57 are correlated to eliminate confusion and misapplication.	2021	Modification				
Table 5003.1.1(5) Hazardous Materials Exemptions	A new table is included in <a href="#">Chapter 50</a> to assist in determining whether certain uses or functions are exempt from application of <a href="#">Chapter 50</a> requirements.	2024	Modification				
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.	2021	Modification				

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CODE SECTION	SCOPE OF CODE CHANGE	CODE CHANGE YEAR	TYPE OF CHANGE TO CODE SECTION	FIELD INSPECTION	NOTES ON PLANS	DETAILS ON PLANS	MISC. NOTES
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.	2021	Modification				
Table 5003.11.1 Solid Oxidizers in Retail	The maximum allowable quantity of Oxidizer Class 3 solid materials is increased in the retail setting from 1,350 pounds to 1,500 pounds.	2024	Modification				
5003.11.2 Flammable Gas Category 1B in Groups M and S	The maximum allowable quantity per control area for Category 1B flammable gas with a low burning velocity is specified for Group M retail facilities and Group S storage occupancies.	2024	Addition				
5003.12, 5004.14 (New), 5005.3.3, 5005.4.3 Outdoor Control Areas	Requirements for outdoor control area for hazardous materials have been correlated and clarified.	2021	Clarification				
5003.13 Rooftop Storage of Hazardous Materials	Hazardous materials are allowed to be stored or used on a building roof provided the quantity does not exceed the maximum allowable quantity of hazardous materials allowed on the story below the roof.	2024	Addition				
5104 Plastic Aerosol 3 Products	Plastic aerosol 3 products are treated the same as Level 3 aerosol products and included in the determination of allowed quantities.	2024	Clarification				

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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.	2021	Modification				
5606.1, 5606.6 Ammunition Reloading in Commercial Operations	Requirements for ammunition reloading in commercial operations are added to the code.	2021	Modification				
5705.5, 5001.1 Alcohol-Based Hand Rubs	Floor supported devices for alcohol-based hand rub dispensers are now allowed, and the supply of dispenser refill containers is not included in the maximum allowable quantity.	2024	Modification				
5706.5.4.5 Fleet Fueling for Commercial, Industrial, Governmental or Manufacturing	Class I flammable liquids are now allowed to be dispensed in fleet fueling operations for commercial, industrial, manufacturing or governmental facilities.	2024	Modification				
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.	2021	Modification				

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5809 On-Demand Hydrogen Mobile Fueling	Regulations for on-demand mobile fueling of hydrogen vehicles are added to the code.	2024	Addition				
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.	2021	Clarification				
Appendix H, Section H104 (New), H104.1 (New), H104.2 (New) 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.	2021	Addition				
E102.1.7.2 Oxidizer Classification	Information is added to <a href="#">Appendix E</a> to assist in correlating the oxidizer classifications in the <a href="#">IFC</a> with the classifications in the <i>Globally Harmonized System</i> .	2024	Modification				

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CODE SECTION	SCOPE OF CODE CHANGE	CODE CHANGE YEAR	TYPE OF CHANGE TO CODE SECTION	FIELD INSPECTION	NOTES ON PLANS	DETAILS ON PLANS	MISC. NOTES
E104 Hazardous Material Definitions in GHS	A cross reference between the <a href="#">IFC</a> hazardous material classification system and the <i>Globally Harmonized System</i> is included in <a href="#">Appendix E</a> .	2024	Addition				
Appendix O Valet Trash and Recycling Collection in Group R-2 Occupancies	Criteria regulating valet trash collection has been added to the code, but valet trash collection service is only allowed where approved by the fire code official.	2024	Addition				