

BY AUTHORITY

ORDINANCE NO. **4241**

COUNCILLOR'S BILL NO. **7**

SERIES OF 2024

INTRODUCED BY COUNCILLORS
DeMott, Nurmela

A BILL

FOR AN ORDINANCE ADOPTING BY REFERENCE THE 2021 INTERNATIONAL BUILDING CODE, THE 2021 INTERNATIONAL RESIDENTIAL CODE, THE NATIONAL ELECTRICAL CODE ADOPTED BY THE STATE OF COLORADO ELECTRIC BOARD, THE 2021 INTERNATIONAL PLUMBING CODE, THE 2021 INTERNATIONAL MECHANICAL CODE, THE 2021 INTERNATIONAL FUEL GAS CODE, THE 2021 INTERNATIONAL ENERGY CONSERVATION CODE, AND THE 2021 INTERNATIONAL FIRE CODE

THE CITY OF WESTMINSTER ORDAINS:

Section 1. Section 11-9-1, W.M.C., is hereby AMENDED as follows:

11-9-1: ADOPTION OF BUILDING CODES:

(A) INTENT AND FINDINGS: The intent of this chapter is to adopt by reference and with modifications the International Building Code, 2015~~2021~~ Edition; the International Residential Code, 2015~~2021~~ Edition; the National Electrical Code, as adopted by the State of Colorado State Electrical Board; the Colorado Plumbing Code ~~2015 edition as adopted by the Colorado State Plumbing Board~~; the International Mechanical Code, 2015~~2021~~ Edition; the ~~International Colorado~~ Fuel Gas Code ~~2015 edition as adopted by the Colorado State Plumbing Board~~; the International Energy Conservation Code, 2015~~2021~~ Edition; the International Swimming Pool and Spa Code, 2015~~2021~~ Edition; and the International Existing Building Code, 2015~~2021~~ Edition.

Hereinafter, all such codes may be referred to as "Building Codes." The City Council finds that the adoption of such Codes is essential in the preservation of the health, safety, and welfare of the citizens of Westminster.

(B) ADOPTION OF BUILDING CODES: The following documents, one copy each of which is on file in the Office of the City Clerk, being marked and designated as stated, are hereby referred to, adopted, and made a part hereof as if fully set forth in this codification with, however, the amendments indicated in the following sections of this chapter.

(1) International Building Code. The "International Building Code, 2015~~2021~~ Edition," published by the International Code Council, Inc., and in particular Chapters 2 through 35 inclusive ~~and Appendix Chapter I~~ are ~~is~~ hereby adopted as the Building Code of and for the City. The International Building Code shall apply to the construction, alteration, relocation, enlargement, replacement, repair, equipment, use and occupancy, location, maintenance, removal and demolition of every building or structure or any appurtenances connected or attached to such buildings or structures unless regulated under the provisions of the International Residential Code.

(2) International Residential Code. The "International Residential Code, 2015~~2021~~ Edition," published by the International Code Council, Inc., and in particular Chapters 2 through 44 ~~inclusive and Appendix Chapters A, H, and K inclusive~~ are hereby adopted as the Residential Building Code of and for the City. The International Residential Code shall apply to the construction, alteration, relocation, enlargement, replacement, repair, equipment, use and occupancy, location, maintenance, removal, and demolition of detached one- and two-family dwellings and townhouses not more than three stories in height with a separate means of egress.

(3) National Electrical Code. The "National Electrical Code," sponsored by the National Fire Protection Association, Quincy, Massachusetts, as adopted by the State of Colorado State Electrical Board and as may be amended from time to time, is hereby adopted as the Electrical Code of and for the City.

(4) International Plumbing Code. The ~~“International Plumbing Code, 2015 Edition,”~~ published by the International Code Council, Inc., in particular Chapters 2 and 15 inclusive and Appendix Chapters C and E inclusive Pursuant to Part 2 of Article 16 of Title 31, C.R.S., there is hereby adopted as the plumbing code of and for the City, by reference thereto, the Colorado Plumbing Code (as required by C.R.S. Title 12 Article 155 and the Colorado State Plumbing Board) and the International Plumbing Code, 2021 edition is hereby adopted as the Plumbing Code of and for the City. The International Plumbing Code shall apply to the erection, installation, alteration, repairs, relocation, replacement, addition to, use or maintenance of plumbing systems and regulate nonflammable medical gas, inhalation anesthetic, vacuum piping, nonmedical oxygen systems and sanitary and condensate vacuum collection systems.

(5) International Mechanical Code. The "International Mechanical Code, 2015-2021 Edition," published by the International Code Council, Inc., and in particular Chapters 2 through 15 inclusive is hereby adopted as the Mechanical Code of and for the City. The International Mechanical Code shall regulate the design, installation, maintenance, alteration, and inspection of mechanical systems that are permanently installed and utilized to provide control of environmental conditions and related processes within buildings.

(6) International Fuel Gas Code. The ~~“International Fuel Gas Code, 2015 Edition,”~~ published by the International Code Council, Inc., and in particular Chapters 2 through 8 inclusive and Appendix A is hereby Pursuant to Part 2 of Article 16 of Title 31, C.R.S., there is adopted as the fuel gas code of and for the City, by reference thereto, the Colorado Fuel Gas Code (as required by C.R.S. Title 12 Article 155 and the Colorado State Plumbing Board) and the International Fuel Gas Code, the 2021 Edition is hereby adopted as the Fuel Gas Code of and for the City. The International Fuel Gas Code shall apply to the installation of fuel-gas piping systems, fuel gas appliances, gaseous hydrogen systems and related accessories. This code covers piping systems for natural gas with an operating pressure of 125 psig or less and for LP-gas systems with an operating pressure of 20 psig or less.

(7) International Energy Conservation Code. The "International Energy Conservation Code, 2015 2021 Edition," published by the International Code Council, Inc., and in particular Commercial ~~(CE)~~ Provisions Chapters 2 through 6 inclusive and Residential ~~(RE)~~ Provisions Chapters 2 through 6 inclusive are hereby adopted as the Energy Code of and for the City. The International Energy Conservation Code shall regulate the design and construction of buildings for the use and conservation of energy over the life of each building.

(8) International Swimming Pool and Spa Code. The "International Swimming Pool and Spa Code, 2015 2021 Edition," published by the International Code Council, Inc., and in particular Chapters 2, 3, and 11 inclusive, is hereby adopted as the International Swimming Pool and Spa Code of and for the City. The International Swimming Pool and Spa Code shall apply to the construction, alteration, repair and maintenance of Aquatic recreation facilities, pools and spas that are designed and manufactured to be connected to a circulation system and that are intended for swimming, bathing, or wading.

(9) International Existing Building Code. The "International Existing Building Code, 2015 2021 Edition," published by the International Code Council, Inc., and in particular Chapters 2 through 16 inclusive is hereby adopted as the Existing Building Code of and for the City. The International Existing Building Code shall apply to the repair, alteration, change of occupancy, addition to and relocation of existing buildings.

Section. 2. Sections 11-9-5 through 11-9-13, W.M.C., are hereby REPEALED AND REENACTED to read as follows:

11-9-5: INTERNATIONAL BUILDING CODE AMENDMENTS:

(A) Chapter 1 of the International Building Code is replaced as follows:

The scope and administration of this code shall be in accordance with Title 11, Chapter 9 of the Westminster Municipal Code.

(B) Section 406.3.2.1 of the International Building Code is amended to read as follows:

406.3.2.1 *Dwelling unit separation.*

The *private garage* shall be separated from the *dwelling unit* and its *attic* area by means of minimum 5/8-inch type "X" *gypsum board* applied to the garage side. Where the separation is horizontal the structure supporting the separation shall also be protected by not less than 5/8-inch type "X" gypsum board or equivalent. Door openings between a private garage and the dwelling unit shall be equipped with either solid wood doors not less than 1 ~~3/8-inch~~ 3/8-inch thickness, solid or honeycomb core steel door not less than 1 3/8 inches thick, or doors in compliance with Section 716.2.2.1 with a *fire protection rating* of not less than 20 minutes. Doors shall be *self-closing* and self-latching.

(C) Section 502.1 *Address identification* is replaced as follows:

New and existing buildings shall be provided with *approved* address identification. The address identification shall be legible and placed in a position that is visible from the street or road fronting the property. Address identification characters shall contrast with their background. Address numbers shall be Arabic numbers or alphabetical letters. Numbers shall not be spelled out. Each character shall be a minimum of 4 6 inches (102 mm) high with a minimum stroke width of 3/4 inch (12.7 mm). Where required by the fire code official, address identification shall be provided in additional approved locations to facilitate emergency response. Where access is by means of a private road and the building address cannot be viewed from the public way, a monument, pole, or other approved sign or means shall be used to identify the structure. Address identification shall be maintained.

(D) Section 907.2.11 of the International Building Code is replaced as follows:

907.2.11 Single- and multiple-station smoke alarms. *Listed* single- and multiple-station smoke alarms complying with UL 217 shall be installed in accordance with Sections 907.2.11.1 through 907.2.11.7, NFPA 72 and the manufacturer's published instructions.

(E) Section 915.4 of the International Building Code is replaced as follows:

915.4 Carbon monoxide alarms. Carbon monoxide alarms shall be installed in accordance with the manufacturer's installation instructions and shall comply with Sections 915.4.1 through 915.4.4.

(F) Section 1101.1 of the International Building Code is amended by adding the following sentence:

Where there are seven or more residential dwelling units in a project, the provisions of Colorado Revised Statutes (C.R.S.) Title 9, Article 5, Standards for Accessible Housing, shall be required.

(G) Section 1507.1.2 of the International Building Code is replaced as follows:

1507.1.2 Ice barriers. Ice barriers are not required.

(H) Sections 1507.3.9, 1507.5.7, 1507.8.8, 1507.9.9, and 1507.8.1.1 of the International Building Code are amended by adding the following:

The average daily temperature in The City of Westminster in January is above 25°F (4°C).

(I) Section 1507.17.4.2 of the International Building Code is replaced as follows:

1507.17.4.2 Ice barrier. Ice barriers are not required.

(J) Section 1511.2.4 of the International Building Code is replaced as follows:

1511.2.4 Type of construction. Penthouses shall be constructed of *building element* materials as required for the type of construction of the building. Penthouse *exterior walls* and roof construction shall have a *fire-*

resistance rating as required for the type of construction of the building. Supporting construction of such *exterior walls* and roof construction shall have a *fire-resistance rating* not less than required for the *exterior wall* or roof supported.

(K) Section 1607.3.1 of the International Building Code is added as follows:

1607.3.1 Live load signage. In commercial or industrial buildings, for each floor or portion thereof designed for live loads exceeding 50 psf, such design live loads shall be conspicuously posted in that part of each story in which they apply, using durable signs.

(L) Section 1607.3.2 of the International Building codes is added as follows:

1607.3.2 Restrictions on loading. It shall be unlawful to place, or cause or permit to be placed, on any floor or roof of a building, structure, or portion thereof, a load greater than is permitted by this code.

(M) Section 1608.2 of the International Building Code is replaced as follows:

1608.2 GROUND SNOW LOADS. The ground snow load to be used within the City of Westminster in determining the design snow loads for roofs is 30 pounds per square foot.

(N) Section 1609.3 of the International Building Code is replaced as follows:

1609.3 Basic design wind speed. Wind speeds to be per the table below and the zones as published by the City of Westminster. Exposure B shall be used unless specified as exposure C by the Building Official.

2021 IBC BASIC DESIGN WIND SPEED CRITERIA - V			
CITY MAP WIND ZONES	1	2	3
RISK CATEGORY I	120	125	135
RISK CATEGORY II	130	140	150
RISK CATEGORY III	140	150	160

(O) Section 1612.2 of the International Building Code is replaced as follows:

1612.2 Design and construction. The design and construction of buildings and structures located in flood hazard areas, including flood hazard areas subject to high velocity wave action, shall be designed and constructed in accordance with City of Westminster standards and ASCE 24, whichever is the most restrictive.

(P) Section 1612.3 of the International Building Code is replaced as follows:

1612.3 Establishment of flood hazard areas. The flood hazard areas of the City of Westminster are as established in Title 11, Chapter 8 of the Westminster Municipal Code.

(Q) Section 2111.1 of the International Building Code is replaced as follows:

2111.1 General. The construction of masonry fireplaces, consisting of concrete or masonry, shall be in accordance with this Section and subject to the restrictions of Title 8, Chapter 6 of the Westminster Municipal Code.

(R) Section 2304.12.2.3 of the International Building Code is amended as follows:

Section 2304.12.2.3 Supporting member for permanent appurtenances. *Exception:* is deleted in its entirety.

(S) Section 2701.1 of the International Building Code is amended as follows:

The reference to the International Property Maintenance Code is deleted.

(T) Section 2801.1 of the International Building Code is amended as follows:

The reference to the International Property Maintenance Code is deleted.

(U) Section 2909.1 of the International Building Code is amended as follows:

The reference to the International Property Maintenance Code is deleted.

(V) Section 2902.2.1 of the International Building Code is replaced as follows:

2902.2.1 Family or assisted-use toilet facilities serving as separate facilities. Where a building or tenant space requires a separate toilet facility for each sex and each toilet facility is required to have only one water closet, two family or assisted-use toilet facilities shall serve as the required separate facilities. Family or assisted-use toilet facilities shall not be required to be identified for exclusive use by either sex as required by Section 2902.4.

(W) Section 2902.8 of the International Building Code is added as follows:

2902.8 Baby diaper-changing accommodations. Group A occupancies, Group M occupancies in excess of 5,000 square feet, and Group B office buildings in excess of 5,000 square feet shall install and maintain baby diaper changing stations, at each floor level containing restrooms, if the facility is open to the public. Where separate facilities are provided for each sex, there shall be at least one safe, sanitary, and convenient baby diaper changing station located in each facility. Each station shall include signage at or near the entrance to the restroom indicating the availability of the baby diaper changing station. If there is a central directory identifying, for the benefit of the public, the location of offices, restrooms, and other facilities in the building, that central directory shall indicate the location of the baby diaper changing stations.

Exceptions.

(1) If there is centrally located facility with a baby diaper changing station located within 300 feet of the entrance to a restaurant or retail establishment.

(2) This section does not apply to a nightclub, bar or similar occupancy that does not permit anyone who is under 18 years of age to enter the premises.

(3) This section also does not apply to a restroom located in a health facility if the restroom is intended for the use of one patient or resident at a time.

(4) A new establishment or use shall not be subject to the provisions of this section if compliance would create a hardship defined as:

- (a) No reasonable physical alternative exists for providing baby diaper-changing accommodations, or
- (b) The cost of providing such accommodations exceeds 10 percent of the cost of constructing or substantially modifying the building or space occupied by the establishment or use.

(X) Section 3002.4 is replaced as follows:

3002.4 Elevator car to accommodate ambulance stretcher. Where elevators are provided in buildings two or more stories above, or two or more stories below, grade plane, not fewer than one elevator shall be provided for fire department emergency access to all floors. The elevator car shall be such a size and arrangement to accommodate an ambulance stretcher 24 inches by 84 inches (610 mm by 2134 mm) with not less than 5-inch (127 mm) radius corners, in the horizontal, open position and shall be identified by

the international symbol for emergency medical services (star of life). The symbol shall be not less than 3 inches (76 mm) in height and shall be placed inside on both sides of the hoistway door frame.

(Y) International Building Code Appendix Adoption

Appendices are Added, Adopted, Adopted as Amended, or Not Adopted as part of this Code as noted in Appendix Adoption Table of the *International Building Code*. Prescriptive design provisions and mandatory requirements from appendices that are added, adopted, or adopted as amended carry the full authority of this code.

APPENDIX ADOPTION TABLE

APPENDIX	TITLE – SUBJECT	STATUS
AA	Employee Qualifications	Not Adopted
AB	Board of Appeals	Not Adopted
AC	Group U – Agricultural Buildings	Adopted
AD	Fire Districts	Not Adopted
AE	Supplementary Accessibility Requirements	Adopted
AF	Rodent-Proofing	Not Adopted
AG	Flood-Resistant Construction	Not Adopted
AH	Signs	Not Adopted
AI	Patio Covers	Adopted
AJ	Grading	Not Adopted
AK	Administrative Provisions	Not Adopted
AL	Earthquake Recording Instrumentation	Not Adopted
AM	Tsunami-Generated Flood Hazards	Not Adopted
AN	Replicable Buildings	Not Adopted
AO	Performance-Based Application Index	Not Adopted

11-9-6: INTERNATIONAL RESIDENTIAL CODE AMENDMENTS:

(A) Chapter 1 of the International Residential Code is replaced as follows:

The scope and administration of this code shall be in accordance with Title 11, Chapter 9 of the Westminster Municipal Code.

(B) Table R301.2(1) of the International Residential Code is replaced as follows:

TABLE R301.2
CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA

GROUND SNOW LOAD ^o	WIND DESIGN				SEISMIC DESIGN CATEGORY ^f	SUBJECT TO DAMAGE FROM			ICE BARRIER UNDERLAYMENT REQUIRED ^h	FLOOD HAZARDS ^g	AIR FREEZING INDEX ⁱ	MEAN ANNUAL TEMP ^j	ANTICIPATED SNOW
	Speed ^d (mph)	Topographic effects ^k	special wind region ^l	windborne debris zone ^m		Weathering ^a	Frost line depth ^b	Termite ^c					
30 psf	130-155	No	Yes	No	B	Severe	36 inches	Protection not req.	No	N/A	532	51.0	12 inches

MANUAL J DESIGN CRITERIA 2

Elevation	Altitude correction factor ^e	Coincident wet bulb	Indoor winter design relative humidity	Indoor winter design dry-bulb temperature	Outdoor winter design dry-bulb temperature	Heating temperature difference
5384	.832	60	30%	70°	-1°	71°
Latitude	Daily Range	Indoor summer design relative humidity	Summer design gains	Indoor summer design dry-bulb temperature	Outdoor summer design dry-bulb temperature	Cooling temperature difference
39.84°N	H	50%	-33 to -53	75°	95°	20°

Footnotes not shown and unchanged.

(C) Section R301.2.4 of the International Residential Code replaced as follows:

R301.2.4 Floodplain construction. The design and construction of buildings and structures located in whole or in part in flood hazard areas, including flood hazard areas subject to high velocity wave action, shall be designed and constructed in accordance with City of Westminster standards and R322, whichever is the most restrictive.

(D) Table R302.1(1) of the International Residential Code is amended as follows:

Footnote b is deleted in its entirety.

(E) Table R302.1(2) of the International Residential Code is amended as follows:

Footnote a is deleted in its entirety.

Footnote c is deleted in its entirety.

(F) Section R302.5.1 of the International Residential Code is modified by adding the following sentence:

Doors shall be fully gasketed and sealed on all edges when in the closed position.

(G) Section R302.6 of the International Residential Code is replaced as follows:

R302.6 Dwelling-garage fire separation. The garage shall be separated from the residence and its attic space by not less than 5/8-inch type "X" gypsum board applied to the garage side. Where the separation is horizontal the structure supporting the separation shall also be protected by not less than 5/8-inch type "X" gypsum board or equivalent. Garages located less than 3 feet from a dwelling unit on the same lot shall be protected with not less than 5/8-inch type "X" gypsum board on the interior side of exterior walls. Openings and penetrations in these walls shall be regulated by Section R302.5.

(H) Table R302.6 of the International Residential Code is amended as follows:

Table R302.6 Dwelling-garage separation is deleted in its entirety.

(I) Section R305.1.2 of the International Residential Codes is added as follows:

R305.1.2 Habitable attics and basements in existing buildings. Where a habitable attic or habitable space in a basement is created in an existing building, ceiling height shall be not less than 6 feet 8 inches. Bathrooms, toilet rooms and laundry rooms shall have a ceiling height of not less than 6 feet 4 inches.

Exceptions:

(1) For rooms with sloped ceilings, the required floor area of the room shall have a ceiling height of not less than 5 feet (1524 mm) and not less than 50 percent of the required floor area shall have a ceiling height of not less than 6 feet 8 inches (2134 mm).

(2) At beams, girders, ducts or other obstructions, the ceiling height shall be not less than 6 feet 4 inches (1931 mm) from the finished floor.

(J) Section R302.11 Item 4 of the International Residential Code is replaced as follows:

At opening around vents, pipes, ducts, cables and wires at ceiling and floor levels, with an *approved* material to resist the free passage of flame and products of combustion. Tightly packed fiberglass or mineral

wool insulation shall be permitted as the material filling this annular space. Other materials shall not be required to meet the ASTM E136 requirements but shall be evaluated by an approved agency as equivalent to tightly packed insulation.

(K) Section R309.5 of the International Residential Code is deleted in its entirety.

(L) Section R309.6 of the International Residential Code is added as follows:

R309.6 Electric vehicle charging systems. Where provided, electric vehicle charging systems shall be installed in accordance with NFPA 70. Electric vehicle charging system equipment shall be listed and labeled in accordance with UL 2202. Electric vehicle supply equipment shall be listed and labeled in accordance with UL 2594.

(M) Section 310.1 of the International Residential Code is amended as follows:

Exception 2 is deleted in its entirety.

(N) Section R310.7 of the International Residential Code is deleted in its entirety.

(O) Section R310.7.1 of the International Residential Code is deleted in its entirety.

(P) Section R311.7.5 of the International Residential Code is modified by adding the following exception:

Exception:

Alterations to existing stairs shall not be required to comply with minimum tread depth or maximum riser height where the existing space and construction does not allow a reduction in pitch or slope of the stairs.

(Q) Section R314.1.2 of the International Residential Code is added as follows:

R314.1.2 Installation. Smoke alarms and combination smoke and carbon monoxide alarms shall be installed in accordance with their listing and the manufacturer's instructions.

(R) Section R315.1.2 of the International Residential Code is added as follows:

R315.1.2 Installation. Carbon monoxide alarms shall be installed in accordance with their listing and the manufacturer's instructions.

(S) Section R317.1 Item 8 of the International Residential Code is amended as follows:

Item 8, Exception is deleted.

(T) Section R320.1 of the International Residential Code is amended by adding the following:

Where there are seven or more residential dwelling units in a project, the provisions of Colorado Revised Statutes (C.R.S.) Title 9, Article 5, Standards for Accessible Housing, shall be required.

(U) Section R404.1.1, item 2 of the International Residential Code is replaced as follows:

R404.1.1 Design required. Item 2. Walls supporting more than 36 inches of unbalanced backfill that do not have permanent lateral support at the top or bottom.

(V) Section R506.2.3 of the International Residential Code is replaced as follows:

R506.2.3 Vapor retarder. A minimum 6 mil (0.006 inch; 152 mm) polyethylene or *approved* vapor retarder with joints lapped not less than 6 inches (152 mm) shall be placed between the concrete floor slab and the base course or the prepared subgrade where a base course does not exist.

(W) Section R1001.1 of the International Residential Code is replaced as follows:

R1001.1 General. Masonry fireplaces shall be constructed in accordance with this Section and the applicable provisions of Chapters 3 and 4 of this Code and subject to the restrictions of Title 8, Chapter 6 of the Westminster Municipal Code.

(X) Section R1002.1 of the International Residential Code is amended by adding the following:

Masonry heaters shall be approved by the Colorado Department of Public Health and Environment and listed on their currently published list of Colorado Approved Masonry Heaters.

(Y) Section R1004.1 of the International Residential Code is replaced as follows:

R1004.1 General. Factory-built fireplaces shall be listed and labeled and shall be installed in accordance with the conditions of the listing. Factory-built fireplaces shall be tested in accordance with UL127 and be subject to the restrictions of Title 8, Chapter 6 of the Westminster Municipal Code.

(Z) Section R1004.4 of the International Residential Code is replaced as follows:

R1004.4 Unvented gas log heaters. Unvented fuel-fired appliances are prohibited.

(AA) Section N1101.1 of the International Residential Code is replaced as follows:

RESIDENTIAL BUILDING. For this code, includes detached one- and two-family dwellings and townhouses as well as R-3 and R-4 buildings three stories or less in height above grade plane.

(BB) Section N1101.11 Installation is replaced as follows:

N1101.11 Installation. Materials, systems, and equipment shall be installed in accordance with the manufacturer's instructions and this code. Insulation shall meet the requirements of the Grade I standard in ICC/RESNET 301 Normative Appendix A.

(CC) Section N1101.13.4 Tropical Climate Region Option is deleted in its entirety.

(DD) Section N1101.14 Certificate is amended by adding the language indicated in underline as follows:

(7) The code edition under which the structure was permitted, and the compliance path used, and where applicable, the additional efficiency measures selected for compliance with N1108.

(8) Where a solar-ready zone is provided, the certificate shall indicate the location, and dimensions.

(EE) Section N1103.1.2 Heat pump supplementary heat is replaced as follows:

N1103.1.2 Heat pump supplementary heat. Heat pumps having supplementary electric resistance heat shall have controls that, are configured to prevent supplemental heat operation when the capacity of the heat pump compressor can meet the heating load. Limit supplemental heat operation to only those times when one of the following applies:

- (1) The vapor compression cycle cannot provide the necessary heating energy to satisfy the thermostat setting.
- (2) The heat pump is operating in defrost mode.
- (3) The vapor compression cycle malfunctions.
- (4) The thermostat malfunctions.

(FF) Section N1107 Tropical Climate Region Compliance Path is deleted in its entirety.

(GG) Section M1410.1 of the International Residential Code is amended by adding the following:

Pellet fuel-burning appliances shall be listed in the EPA Certified Wood Heater Database published by the Environmental Protection Agency as currently EPA Certified under the 2020 rule.

(HH) Section M1414.1 of the International Residential Code is amended by adding the following:

Fireplace stoves and wood heaters shall be listed in the EPA Certified Wood Heater Database published by the Environmental Protection Agency as currently EPA Certified under the 2020 rule.

(II) Section M1416 of the International Residential Code is added as follows:

M1416 Unvented room heaters.

M1416.1 General. Unvented room heaters, fireplaces, gas logs or other similar unvented devices are prohibited.

(JJ) Section M1502.4.6.2 of the International Residential Code is deleted in its entirety.

(KK) Section M1801.1 of the International Residential Code is replaced as follows:

M1801.1 Venting required. Fuel-burning appliances shall be vented to the outdoors in accordance with their listing and label and manufacturer's installation guidelines or instructions. Venting systems shall consist of approved chimneys or vents, or venting assemblies that are integral parts of labeled appliances. Gas-fired appliance shall be vented in accordance with Chapter 24.

(LL) Section G2406.2 of the International Residential Code is amended as follows:

G2406.2 Prohibited locations. Items 3 and 4 are deleted in their entirety.

(MM) Section G2417.4.1 of the International Residential Code is replaced as follows:

G2417.4.1 Test pressure. The minimum test pressure to be used on threaded pipe shall be 20 psi gauge pressure. For welded pipe the minimum test pressure shall be 60 psi gauge pressure.

(NN) Section G2425.8 of the International Residential Code is amended as follows:

G2425.8 Equipment not required to be vented. Item #7 is deleted.

(OO) Sections G2445.1 through G2445.7.1 of the International Residential Code are replaced as follows:

G2445.1 Prohibited. Unvented room heaters and unvented decorative room heaters are prohibited.

(PP) Section P2603.5.1 of the International Residential Code is replaced as follows:

P2603.5.1 Sewer depth. Building sewers that connect to private sewage disposal systems shall be a minimum of 42 inches below finished grade at the point of septic tank connection. Building sewers shall be a minimum of 42 inches below grade.

(QQ) Table P2903.2 of the International Residential Code is replaced as follows:

TABLE P2903.2
MAXIMUM FLOW RATES AND CONSUMPTION FOR PLUMBING FIXTURES AND
FIXTURE FITTINGS^b

PLUMBING FIXTURE OR FIXTURE FITTING	PLUMBING FIXTURE OR FIXTURE FITTING
Lavatory faucet	1.5 gpm at 60 psi
Shower head ^a	2.0 gpm at 60 psi
Sink faucet	2.2 gpm at 60 psi
Water closet	1.28 gallons per flushing cycle

(a) A hand-held shower spray shall be considered to be a shower head.

(b) Consumption tolerances shall be determined from referenced standards.

(RR) Section P3201.5 of the International Residential Code is modified by adding item #6 as follows:

(6) Running traps and those where the inlet side of the trap is not vertically oriented.

(SS) Table P3201.7 of the International Residential Code is amended as follows:

TABLE P3201.7 SIZE OF TRAPS FOR PLUMBING FIXTURES is amended to reflect the trap size minimum for a shower is 2 inches.

(TT) Section E3401.1 of the International Residential Code is amended by adding the following:

Whenever there is a conflict between this Code and the National Electrical Code, the provisions of the National Electrical Code will govern.

(UU) Section E3601.6.2 of the International Residential Code is replaced as follows:

E3601.6.2 Location. The service disconnecting means shall be installed at a readily accessible location on the outside of the building unless approved by the Building Official. No service disconnecting means shall be installed inside a residential dwelling unit.

Exception. The service disconnecting means may be installed inside the garage of a residential dwelling unit when it is located back-to-back to the meter.

(VV) International Residential Code Appendix Adoption

Appendices are Added, Adopted, Adopted as Amended, or Not Adopted as part of this Code as noted in Appendix Adoption Table of the *International Residential Code*. Prescriptive design provisions and mandatory requirements from appendices that are added, adopted, or adopted as amended carry the full authority of this code.

APPENDIX ADOPTION TABLE

APPENDIX	TITLE – SUBJECT	STATUS
AA	Sizing and Capacities of Gas Piping (IFGC)	Not Adopted
AB	Sizing of Venting Systems Serving Appliances Equipped with Draft Hoods, Category I Appliances, and Appliances Listed for Use with Type B Vents (IFGC)	Not Adopted
AC	Exit Terminals of Mechanical Draft and Direct-Vent Ventilating Systems (IFGC)	Not Adopted
AD	Recommended Procedures for Safety Inspection of an Existing Appliance Installation (IFGC)	Not Adopted
AE	Manufactured Housing Used as Dwellings	Not Adopted
AF	Radon Control Methods	Not Adopted
AG	Piping Standards for Various Applications	Not Adopted
AH	Patio Covers	Adopted
AI	Private Sewage Disposal	Not Adopted
AJ	Existing Buildings and Structures	Adopted
AK	Sound Transmission	Adopted
AL	Permit Fees	Not Adopted
AM	Home Day Care – R-3 Occupancy	Adopted
AN	Venting Methods	Not Adopted
AO	Automatic Vehicular Gates	Not Adopted
AP	Sizing of Water Piping System	Not Adopted
AQ	Tiny Homes	Adopted
AR	Light Straw-Clay Construction	Not Adopted
AS	Strawbale Construction	Not Adopted
AT	Solar-Ready Provisions – Detached One- and Two-Family Dwellings, Multiple Single-Family Dwellings (Townhouses)	Not Adopted
AU	Cob Construction (Monolithic adobe)	Not Adopted
AV	Board of Appeals	Not Adopted
AW	3D-Printed Building Construction	Not Adopted

11-9-7: NATIONAL ELECTRICAL CODE AMENDMENTS:

(A) Article 230.70(A)(1) of the National Electrical Code is replaced as follows:

230.70 (A)(1) Location. The service disconnecting means shall be installed at a readily accessible location on the outside of the building unless approved by the Building Official. o service disconnecting means shall be installed inside a residential dwelling unit.

Exception: The service disconnecting means may be installed inside the garage of a residential dwelling unit when it is located back-to-back to the meter.

11-9-8: INTERNATIONAL PLUMBING CODE AMENDMENTS:

Pursuant to Part 2 of Article 16 of Title 31, C.R.S., there is adopted as the plumbing code of the City, by reference thereto, the Colorado Plumbing Code (as required by C.R.S. Title 12 Article 155 and the Colorado State Plumbing Board) and the International Plumbing Code, 2021 edition, and appendices therein contained, as published and promulgated by the International Code Council, 4051 Flossmoor Road, Country Club Hills, Illinois 60478.

(A) Chapter 1 of the International Plumbing Code is replaced as follows:

The scope and administration of this code shall be in accordance with Title 11, Chapter 9 of the Westminster Municipal Code.

(B) Section 305.4 of the International Plumbing Code is replaced as follows:

305.4 Freezing. Water, soil, and waste pipes shall not be installed outside of a building, in attics or crawl spaces, concealed in outside walls, or in any other place subjected to freezing temperatures unless adequate provision is made to protect such pipes from freezing by insulation or heat or both. Exterior water supply system piping shall be installed not less than 42 inches (1067 mm) below grade.

(C) Section 305.4.1 of the International Plumbing Codes is replaced as follows:

305.4.1 Sewer depth. Building sewers that connect to private sewage disposal systems shall be installed not less than 42 inches (1067 mm) below finished grade at the point of septic tank connection. Building sewers shall be installed not less than 42 inches (1067 mm) below grade.

(D) Section 312.9 of the International Plumbing Code, which is deleted in the Colorado Plumbing Code, is retained as part of the IPC.

(E) Section 403.2.1 of the International Plumbing Code is replaced as follows:

403.2.1 Family or assisted-use toilet facilities serving as separate facilities. Where a building or tenant space requires a separate toilet facility for each sex and each toilet facility is required to have only one water closet, two family or assisted-use toilet facilities shall serve as the required separate facilities. Family or assisted-use toilet facilities shall not be required to be identified for exclusive use by either sex as required by Section 403.4.

(F) Section 403.7 of the International Plumbing Code is added as follows:

403.7 Baby diaper-changing accommodations. Group A occupancies, Group M occupancies in excess of 5,000 square feet, and Group B office buildings in excess of 5,000 square feet shall install and maintain baby diaper changing stations, at each floor level containing restrooms, if the facility is open to the public. Where separate facilities are provided for each sex, there shall be at least one safe, sanitary, and convenient baby

diaper changing station located in each facility. Each station shall include signage at or near the entrance to the restroom indicating the availability of the baby diaper-changing station. If there is a central directory identifying, for the benefit of the public, the location of offices, restrooms, and other facilities in the building, that central directory shall indicate the location of the baby diaper-changing stations.

Exceptions.

(1) If there is centrally located facility with a baby diaper changing station located within 300 feet of the entrance to a restaurant or retail establishment.

(2) This section does not apply to a nightclub, bar or similar occupancy that does not permit anyone who is under 18 years of age to enter the premises.

(3) This section does not apply to a restroom located in a health facility if the restroom is intended for the use of one patient or resident at a time.

(4) A new establishment or use shall not be subject to the provisions of this section if compliance would create a hardship defined as:

4.1. No reasonable physical alternative exists for providing baby diaper-changing accommodations, or

4.2. The cost of providing such accommodations exceeds 10 percent of the cost of constructing or substantially modifying the building or space occupied by the establishment or use.

(G) Section 601.6 of The International Plumbing Code is added as follows:

601.6 Water conservation. Water recycling systems shall be required for all automatic full- service commercial car wash facilities constructed in the City after December 23, 1982. Water recycling systems shall not be required for manual self-service commercial car wash facilities.

(H) Table 604.4 of the International Plumbing Code is replaced as follows:

TABLE 604.4

MAXIMUM FLOW RATES AND CONSUMPTION FOR PLUMBING FIXTURES AND FIXTURE FITTINGS

PLUMBING FIXTURE OR FIXTURE FITTING	PLUMBING FIXTURE OR FIXTURE FITTING
Lavatory, private	1.5 gpm at 60 psi
Lavatory, public (metering)	0.25 gallons per metering cycle
Lavatory, public (other than metering)	0.5 gpm at 60 psi
Shower head	2.0 gpm at 60 psi
Sink faucet	2.2 gpm at 60 psi
Urinal	0.5 gallons per flushing cycle
Water closet	1.28 gallons per flushing cycle

Footnotes remain unchanged.

(I) Section 704.5 of the International Plumbing Code is added as follows:

704.5 Grease waste identification. All underground or under floor grease waste piping shall be permanently identified by an approved means.

(J) Section 903.1.1 of the International Plumbing Code is replaced as follows:

903.1.1 Roof extension unprotected. Open vent pipes that extend through a roof shall be terminated not less than 6 inches (152 mm) above the roof.

(K) Section 1002.3 of the International Plumbing Code is amended to add item #7 as follows:

(7) Running traps and those where the inlet side of the trap is not vertically oriented.

(L) Section 1003.2 of the International Plumbing Code is replaced as follows:

1003.2 Approval. The size, type and location of each grease interceptor shall be designed and installed in accordance with City of Westminster specifications, the manufactures installation instructions, the requirements of this Section and the anticipated conditions of use. Wastes that do not require treatment or separation shall not be discharged into any interceptor.

(M) Section 1003.3.5.1 of the International Plumbing Code is replaced as follows:

1003.3.5.1 Grease trap capacity. When, in the judgment of the Building Official, it would be impractical or unnecessary to install a grease interceptor due to the anticipated use of an establishment, the installation of a grease trap may be approved. Grease traps shall be sized in accordance with City specifications and have the grease retention capacity indicated in Table 1003.3.5.1 for the flow-through rates indicated.

(N) International Plumbing Code Appendix Adoption

Appendices are Added, Adopted, Adopted as Amended, or Not Adopted as part of this Code as noted in Appendix Adoption Table of the *International Plumbing Code*. Prescriptive design provisions and mandatory requirements from appendices that are added, adopted, or adopted as amended carry the full authority of this code.

APPENDIX ADOPTION TABLE

APPENDIX	TITLE – SUBJECT	STATUS
A	Plumbing permit fee schedule	Not Adopted
B	Rates of rainfall for various cities	Not Adopted
C	Structural safety	Adopted
D	Degree day and design temperatures	Not Adopted
E	Sizing of water piping systems	Adopted
F	Board of appeals	Not Adopted

11-9-9: INTERNATIONAL MECHANICAL CODE AMENDMENTS:

(A) Chapter 1 of the International Mechanical Code is replaced as follows:

The scope and administration of this code shall be in accordance with Title 11, Chapter 9 of the Westminster Municipal Code.

(B) Section 403.1 of the International Mechanical Code is replaced as follows:

403.1 Ventilation system. Mechanical ventilation shall be provided by a method of supply air and return or exhaust air except that mechanical ventilation air requirements for Group R-3 and R-4 occupancies shall be provided by an exhaust system, supply system or combination thereof. The amount of supply air shall be approximately equal to the amount of return and exhaust air. The system shall not be prohibited from producing negative or positive pressure. The system to convey ventilation air shall be designed and installed in accordance with Chapter 6.

(C) Section 403.3 and 403.3.1 of the International Mechanical Code are replaced as follows:

403.3 Outdoor air and local exhaust airflow rates. Group R-3 and R-4 occupancies three stories and less in height above grade plane shall be provided with outdoor air and local exhaust in accordance with Section 403.3.2. Other buildings intended to be occupied shall be provided with outdoor air and local exhaust in accordance with Section 403.3.1.

403.3.1 Other buildings intended to be occupied. The design of local exhaust systems and ventilation systems for outdoor air for occupancies other than Group R-3 and R-4 three stories and less above grade plane shall comply with Sections 403.3.1.1 through 403.3.1.4.

(D) Section 403.3.2 of the International Mechanical Code is replaced as follows:

403.3.2 Group R-3 and R-4 occupancies, three stories and less. The design of local exhaust systems and ventilation systems for outdoor air in Group R-3 and R-4 occupancies three stories and less in height above grade plane shall comply with Sections 403.3.2.1 through 403.3.2.5.

(E) Section 504.9.4.2 of the International Mechanical Code is deleted in its entirety.

(F) 506.3.11 of the International Mechanical Code is deleted in its entirety.

(G) Section 903.1 of the International Mechanical Code is replaced as follows:

903.1 General. Factory-built fireplaces shall be listed and labeled and shall be installed in accordance with the conditions of the listing. Factory-built fireplaces shall be tested in accordance with UL127 and be subject to the restrictions of Title 8, Chapter 6 of the Westminster Municipal Code.

(H) Section 903.3 of the International Mechanical Code is replaced as follows:

903.3 Unvented gas log heaters. Unvented fuel-fired appliances are prohibited.

(I) Section 904.1 General is amended by adding the following sentence:

Pellet fuel-burning appliances shall be listed in the EPA Certified Wood Heater Database published by the Environmental Protection Agency as currently EPA Certified under the 2020 rule.

(J) Section 905.1 General is amended by adding the following sentence:

Fireplace stoves and wood heaters shall be listed in the EPA Certified Wood Heater Database published by the Environmental Protection Agency as currently EPA Certified under the 2020 rule.

(K) International Mechanical Code Appendix Adoption

Appendices are Added, Adopted, Adopted as Amended, or Not Adopted as part of this Code as noted in Appendix Adoption Table of the *International Mechanical Code*. Prescriptive design provisions and mandatory requirements from appendices that are added, adopted, or adopted as amended carry the full authority of this code.

APPENDIX ADOPTION TABLE

APPENDIX	TITLE – SUBJECT	STATUS
A	Chimney connector pass throughs	Not Adopted
B	Recommended permit fee schedule	Not Adopted
C	Board of appeals	Not Adopted

11-9-10: INTERNATIONAL FUEL GAS CODE AMENDMENTS:

Pursuant to Part 2 of Article 16 of Title 31, C.R.S., there is adopted as the fuel gas code for the City, by reference thereto, the Colorado Fuel Gas Code (as required by C.R.S. Title 12 Article 155 and the Colorado State Plumbing Board) and the International Fuel Gas Code, ~~2009~~–2021 Edition, as published and promulgated by the International Code Council, 4051 Flossmoor Road, Country Club Hills, Illinois 60478.

(A) Chapter 1 of the International Fuel Gas Code is replaced as follows:

The scope and administration of this code shall be in accordance with Title 11, Chapter 9 of the Westminster Municipal Code.

(B) Section 303.3 of the International Fuel Gas Code is amended as follows:

303.3 Prohibited locations. Items 3 and 4 are deleted in their entirety.

(C) Section 406.4.1 and 406.4.2 of the International Fuel Gas Code are replaced as follows:

406.4.1 Test pressure. The minimum test pressure to be used on threaded pipe shall be 20 psi gauge pressure. For welded pipe the minimum test pressure shall be 60 psi gauge pressure.

406.4.2 Test duration. The test duration shall be not less than 10 minutes.

(D) Section 501.8 of the International Fuel Gas Code is amended as follows:

501.8 Equipment not required to be vented. Items 8 and 10 are deleted in their entirety.

(E) Sections 621.1 through 621.7.1 of the International Fuel Gas Code are replaced as follows:

621.1 General. Unvented room heater, fireplaces, gas logs or other similar devices are prohibited.

(F) International Fuel Gas Code Appendix Adoption

Appendices are Added, Adopted, Adopted as Amended, or Not Adopted as part of this Code as noted in Appendix Adoption Table of the *International Fuel Gas Code*. Prescriptive design provisions and mandatory requirements from appendices that are added, adopted, or adopted as amended carry the full authority of this code.

APPENDIX ADOPTION TABLE

APPENDIX	TITLE – SUBJECT	STATUS
A	Sizing and Capacities of Gas Piping (IFGS)	Adopted
B	Sizing of Venting Systems Serving Appliances Equipped with Draft Hoods, Category I Appliances, and Appliances Listed for Use with Type B Vents (IFGS)	Not Adopted
C	Exit Terminals of Mechanical Draft and Direct-Vent Ventilating Systems (IFGS)	Not Adopted
D	Recommended Procedures for Safety Inspection of an Existing Appliance Installation (IFGS)	Not Adopted
E	Board of Appeals	Not Adopted

11-9-11: INTERNATIONAL ENERGY CONSERVATION CODE AMENDMENTS:

(A) Chapter 1 of the International Energy Conservation Code is replaced as follows:

The scope and administration of this code shall be in accordance with Title 11, Chapter 9 of the Westminster Municipal Code, as well as Chapters C1 and R1 of the IECC for subject matter not covered under the Westminster Municipal Code, Title 11, Chapter 9.

(B) Section C401.2.1, is replaced as follows:

C401.2.1 International Energy Conservation Code.

Commercial buildings shall comply with one of the following:

(1) Prescriptive Compliance. The Prescriptive Compliance option requires compliance with Sections C402 through C406 and Section C408. Dwelling units and sleeping units in Group R-2 buildings without systems serving multiple units shall be deemed to be in compliance with this chapter, provided that they comply with Section R406.

(2) Total Building Performance. The Total Building Performance option requires compliance with ANSI/ASHRAE/IESNA 90.1-Appendix G.

(C) Table C402.1.3 and C402.1.4 of the International Energy Conservation Code are replaced as follows to remove all inapplicable climate zones, footnotes, and to include all errata published to date:

Table C402.1.3

OPAQUE THERM ENVELOPE INSULATION COMPONENT MINIMUM REQUIREMENTS, R-VALUE METHOD^a

	Climate Zone 5B	
	All Other	Group R
Roofs		
Insulation entirely above roof deck	R-30ci	R-30ci
Metal Buildings ^b	R-19+R-11LS	R-19+R-11LS
Attic and other	R-49	R-49
Walls, Above Grade		
Mass ^f	R-11.4ci	R-13.3ci
Metal Building	R-13+R-14ci	R-13+R-14ci
Metal Framed	R-13+R-10ci	R-13+R-10ci
Wood Framed and other	R-13+R-7.5ci or R-20+R-3.8ci	R-13+R-7.5ci or R-20+R-3.8ci
Walls, Below Grade		
Below-grade wall ^d	R-7.5ci	R-10ci
Floors		
mass ^e	R-14.6ci	R-16.7ci
Joist/framing	R-30	R-30
Slab-on-grade floors		
Unheated Slabs	R-15 for 24"	R-20 for 24"
Heated Slabs ^g	R=15 for 36" + R-5 full slab	R=15 for 36" + R-5 full slab

For SI: 1 inch=25.4mm, 1 psf = 4.88kg/m, 1 pound per cubic foot=16 kg/m³.

ci=continuous insulation, LS = Liner System

- a. Assembly descriptions can be found in ANSI/ASHRAE/IESNA 90.1 App. A
- b. Where using R-value compliance method, a thermal space block shall be provided, otherwise use the U-factor compliance method in Table C402.1.4.
- c. REMOVED
- d. Where heated slabs are below grade, below-grade walls shall comply with the exterior insulation requirements for heated slabs.
- e. "Mass floors" shall be in accordance with Section C402.2.3.
- f. "Mass walls" shall be in accordance with Section C402.2.2.
- g. The first value is for perimeter insulation and the second value is for full, under-slab insulation. Perimeter insulation is not required to extend below the bottom of the slab.

Table C402.1.4

OPAQUE THERM ENVELOPE INSULATION COMPONENT MINIMUM REQUIREMENTS, U-FACTOR METHOD^{a,b}

	Climate Zone 5B	
	All Other	Group R
Roofs		
Insulation entirely above roof deck	U-0.032	U-0.032
Metal Buildings	U-0.035	U-0.035
Attic and other	U-0.021	U-0.021
Walls, Above Grade		
Mass ^g	U-0.090	U-0.080
Metal Building	U-0.050	U-0.050
Metal Framed	U-0.055	U-0.055
Wood Framed and other	U=0.051	U=0.051
Walls, Below Grade		
Below-grade wall ^g	C-0.119	C-0.092
Floors		
mass ^d	U-0.057	U-0.051
Joist/framing	U-0.033	U-0.033
Slab-on-grade floors		
Unheated Slabs	F-0.52	F-0.51
Heated Slabs	F-0.62	F-0.62
Opaque doors		
Nonswinging door	U-0.31	U-0.31
Swinging door ^h	U-0.37	U-0.37
Garage door less than 14% glazing ⁱ	U-0.31	U-0.31

For SI: 1 pound per square foot = 4.88kg/m, 1 pound per cubic foot=16 kg/m³.

ci=continuous insulation, NR=No Requirement, LS = Liner System

- a. Where assembly U-, C- and F-factors are established in ANSI/ASHRAE/IESNA 90.1 Appendix A, such opaque assemblies shall be a compliance alternative where those values meet the criteria of this table, and provided that the construction, excluding the cladding system on walls, complies with the appropriate construction details from ANSI/ASHRAE/IESNA 90.1 Appendix A.
- b. Where U-factors have been established by testing in accordance with ASTM C1363, such opaque assemblies shall be a compliance alternative where those values meet the criteria of this table. The R-value of continuous insulation shall be permitted to be added to or subtracted from the original tested design.
- c. Where heated slabs are below grade, below-grade walls shall comply with the U-factor requirements for above-grade mass walls.
- d. "Mass floors" shall be in accordance with Section C402.2.2.
- e. REMOVED
- f. REMOVED
- g. "Mass walls" shall be in accordance with Section C402.2.2.
- h. Swinging door U-factors shall be determined in accordance with NFRC-100.
- i. Garage doors having a single row of fenestration shall have an assembly U-factor less than or equal to 0.44, provided that the fenestration area is not less than 14% and not more than 25% of the total door area.

(D) Table C402.4 of the International Energy Conservation Code is replaced as follows to remove all other climate zones:

Table C402.4
BUILDING ENVELOPE FENESTRATION MAXIMUM U-FACTOR AND SHGC
REQUIREMENTS

CLIMATE ZONE	5B	
Vertical fenestration		
U-factor		
Fixed fenestration	0.36	
Operable fenestration	0.45	
Entrance doors	0.63	
SHGC		
Orientation	Fixed	Operable
PF	0.38	0.33
$0.2 \leq$ PF	0.46	0.40
PF	0.61	0.53
Skylights		
U-factor	0.50	
SHGC	0.40	

(E) Section C403.4.1.1 is replaced as follows:

C403.4.1.1 Heat pump supplementary heat. Heat pumps having fuel burning equipment or electric resistance equipment for supplementary space heating shall have controls that are configured to prevent

supplemental heat operation when the capacity of the heat pump compressor can meet the heating load; and limit supplemental heat operation to only those times when one of the following applies:

(1) For space heating systems, the vapor compression cycle cannot provide the necessary heating energy to satisfy the thermostat setting.

Exception: For forced-air systems, the vapor compression cycle cannot provide a supply air temperature of 85°F or greater

(2) The heat pump is operating in defrost mode.

(3) The vapor compression cycle malfunctions.

(4) For space heating systems, the thermostat malfunctions.

(F) Section C407 Total Building Performance is deleted in its entirety.

(G) COMMERCIAL APPENDIX TABLE is added as follows:

COMMERCIAL APPENDIX ADOPTION TABLE

APPENDIX	TITLE – SUBJECT	STATUS
CA	Board of Appeals	Not adopted
CB	Solar-Ready Zones	Not adopted
CC	Zero Energy Commercial Building Provisions	Not adopted

(H) Section R202 Definitions is replace the definition of RESIDENTIAL BUILDING as follows:

RESIDENTIAL BUILDING. For this code, includes detached one- and two-family dwellings and townhouses as well as R-3 and R-4 buildings three stories or less in height above grade plane.

(I) Section R303.2 is replaced as follows:

R303.2 Installation. Materials, systems, and equipment shall be installed in accordance with the manufacturer's instructions and the *International Building Code* or the *International Residential Code*, as applicable. Insulation shall meet the requirements of the Grade I standard in ICC/RESNET 301 Normative Appendix A.

(J) Section R401.2.4 Tropical Climate Region Option is deleted in its entirety.

(K) Section R401.3 is amended to add the following language appearing in underline as follows:

(7) The code edition under which the structure was permitted, and the compliance path used, and where applicable, the additional efficiency measures selected for compliance with R408.

(8) Where a solar-ready zone is provided, the certificate shall indicate the location, and dimensions.

(L) R403.1.2 is amended to add the language appearing in underline as follows:

R403.1.2 Heat pump supplementary heat. Heat pumps having supplementary electric resistance heat shall have controls that, are configured to prevent supplemental heat operation when the capacity of the heat pump compressor can meet the heating load. Limit supplemental heat operation to only those times when one of the following applies:

(1) The vapor compression cycle cannot provide the necessary heating energy to satisfy the thermostat setting.

(2) The heat pump is operating in defrost mode.

(3) The vapor compression cycle malfunctions.

(4) The thermostat malfunctions.

(M) Residential appendix Table is added as follows:

RESIDENTIAL APPENDIX ADOPTION TABLE

APPENDIX	TITLE – SUBJECT	STATUS
RA	Board of Appeals	Not adopted
RB	Solar-Ready Zones	Not adopted
RC	Zero Energy Residential Building Provisions	Not adopted

11-9-12: INTERNATIONAL SWIMMING POOL AND SPA CODE AMENDMENTS:

(A) Chapter 1 of the International Swimming Pool and Spa Code is replaced as follows:

The scope and administration of this code shall be in accordance with Title 11, Chapter 9 of the Westminster Municipal Code.

(B) Section 305.4 of the International Swimming Pool and Spa Code is replaced as follows:

305.4 Structure wall as a barrier. Where a wall of a dwelling or structure serves as part of the barrier and where doors, gates or windows provide direct access to the pool or spa through that wall, one of the following shall be required:

(1) Operable windows having a sill height of less than 48 inches (1219 mm) above the indoor finished floor, doors and gates shall have an alarm that produces an audible warning when the window, door or their screens are opened. The alarm shall be listed and labeled as a water hazard entrance alarm in accordance with UL 2017.

1.1 In dwellings not required to be accessible units, type A units or type B units, the operable parts of the alarm deactivation switches shall be located at not less than 54 inches above the finished floor.

1.2 In dwellings that are not required to be accessible units, type a units or type B units, the operable parts of the alarm deactivation switches shall be located not greater than 54 inches and not less than 48 inches above the finished floor.

1.3 In structures other than dwellings the operable parts of the alarm deactivation switches shall be located not greater than 54 inches and not less than 48 inches above the finished floor.

(2) A safety cover that is listed and labeled in accordance with ASTM F 1346 is installed for the pools and spas.

(3) An approved means of protection, such as self-closing doors with self-latching devices, is provided. Such means of protection shall provide a degree of protection that is not less than the protection afforded by Item 1 or 2.

(C) Section 306.1 through 306.9.1 of the International Swimming Pool and Spa Code are replaced as follows:

306.1 General. Decks shall be designed and installed in accordance with the International Residential Code or the International Building Code.

(D) Section 319.3 of the International Swimming Pool and Spa Code is added as follows:

319.3 Chemical storage and handling. Chemical storage, use and handling shall be done in compliance with the Building and Fire codes.

(E) Section 322 of the International Swimming Pool and Spa Code is deleted in its entirety.

(F) Section 323 of the International Swimming Pool and Spa Code is deleted in its entirety.

11-9-13: INTERNATIONAL EXISTING BUILDINGS CODE AMENDMENTS:

(A) Chapter 1 of the International Existing Building Code is replaced as follows:

The scope and administration of this code shall be in accordance with Title 11, Chapter 9 of the Westminster Municipal Code.

(B) International Existing Building Code Appendix Adoption

Appendices are Added, Adopted, Adopted as Amended, or Not Adopted as part of this Code as noted in Appendix Adoption Table of the *International Existing Building Code*. Prescriptive design provisions and mandatory requirements from appendices that are added, adopted, or adopted as amended carry the full authority of this code.

APPENDIX ADOPTION TABLE

APPENDIX	TITLE – SUBJECT	STATUS
A	Guidelines for the Seismic Retrofit of Existing Buildings	Not Adopted
B	Supplementary Accessibility Requirements for Existing Buildings and Facilities	Not Adopted
C	Guidelines for the Wind Retrofit of Existing Buildings	Not Adopted
D	Board of Appeals	Not Adopted

Section 3. Chapter 10 of Title 11, W.M.C., is hereby REPEALED AND REENACTED as follows:

**CHAPTER 10
FIRE CODES**

11-10-1: INTENT:

The intent of this chapter is to adopt by reference and with modifications the International Fire Code, 2021 Edition. Hereinafter, this Code may be referred to as the "Fire Code." The City Council of the City of Westminster finds that the adoption of the Fire Code is essential for fire prevention and the preservation of the health, safety, and welfare of the citizens of Westminster.

11-10-2: ADOPTION OF FIRE CODE:

That certain document, one copy of which is on file in the Office of the City Clerk, being marked and designated as the International Fire Code, 2021 Edition, published by the International Code Council, 4051 W. Flossmoor Rd., Country Club Hills, IL 60478 and, in particular Chapters 1 through 80, inclusive and Appendix B - Fire Flow Requirements For Buildings, Appendix C - Fire Hydrant Locations and Distribution, Appendix D - Fire Apparatus Access Roads, Appendix E - Hazard Categories, Appendix F - Hazard Ranking, Appendix G - Cryogenic Fluids - Weight and Volume Equivalent, Appendix H - Hazardous Materials Management Plan (HMMP) and Hazardous Materials Inventory Statement (HMIS) Instructions, and Appendix I - Fire Protection Systems—Noncompliant Conditions is hereby adopted as the Fire Code of and for the City. These sections of the Fire Code, as modified in this chapter, are hereby referred to, adopted, and made a part of the Code, as if fully set forth.

11-10-3: CHAPTER 1 ADMINISTRATION AMENDMENTS:

(A) Section 102.13 of the International Fire Code is added as follows:

102.13 Conflicts with other adopted codes. Where a conflict arises between this Code and the *International Building Code* and/or the *International Residential Code*, the more stringent application of the respective codes shall apply.

Exception: When any provision from the respective codes is agreed upon by the chief *building official* and the *fire code official* as being applicable and acceptable.

(B) Section 103.1 of the International Fire Code is replaced as follows:

103.1 Creation of agency. The Westminster Fire Department is hereby created and the official in charge thereof shall be the fire code official. The function of the agency shall be the implementation, administration, and enforcement of the provisions of this code.

(C) Section 104.7 of the International Fire Code is deleted in its entirety.

(D) Section 104.7.1 of the International Fire Code is deleted as follows:

104.7.1 Legal Defense. is deleted in its entirety.

(E) Section 105.5 and all subsections of the International Fire Code are replaced as follows:

105.5 Required operational permits. An operational permit shall be obtained from the Fire Prevention Bureau prior to engaging in the following activities, functions, operations, or practices, as defined in accordance with the Fire Code, unless otherwise specified in this Code:

- (1) 105.5.1 Additive manufacturing
- (2) 105.5.2 Aerosol products, aerosol cooking spray products and plastic aerosol 3 products
- (3) 105.5.3 Amusement buildings
- (4) 105.5.5 Carnivals and fairs
- (5) 105.5.9 Compressed gases
- (6) 105.5.11 Cryogenic fluids
- (7) 105.5.14 Energy storage systems
- (8) 105.5.16 Explosives, explosive materials, and fireworks
- (9) 105.5.17 Fire hydrants and valves
- (10) 105.5.18 Flammable and combustible liquids:
 - (a) To remove Class I or II liquids from an underground storage tank used for fueling motor vehicles by any means other than the approved, stationary on-site pumps normally used for dispensing purposes.
 - (b) To install, alter, remove, abandon, place temporarily out of service (for more than ninety (90) days) or otherwise dispose of an underground, protected above-ground or above-ground flammable or combustible liquid tank.
 - (c) To change the type of contents stored in a flammable or combustible liquid tank to a material that poses a greater hazard than that for which the tank was designed and constructed.
- (11) 105.5.21 Fumigation and thermal insecticidal fogging.
- (12) 105.5.21.1 Fumigation and/or associated operations for removing biological, chemical, or other naturally occurring agents, chemicals, organisms, or substances.
- (13) 105.5.22 Hazardous Materials
- (14) 105.5.24 High-piled storage
- (15) 105.5.25 Hot work operations
- (16) 105.5.26 Industrial ovens

(17) 105.5.26.1 Kilns

(18) 105.5.28 Liquid- or gas-fueled vehicles or equipment in buildings for display, demonstrating, or operation. This shall not apply to parking garages, private garages, repair garages, or other buildings normally utilized for the operation, repair, restoration, and storage of motor vehicles. (40)

(19) 105.5.29 LP-gas

(20) 105.5.30 Magnesium

(21) 105.5.31 Miscellaneous combustible storage

(22) 105.5.32 Mobile food preparation vehicles

(23) 105.5.34 Open burning

(24) 105.5.35 Open flames and torches

(25) 105.5.38 Outdoor assembly event

(26) 105.5.41 Private fire hydrants

(27) 105.5.42 Pyrotechnic special effects material

(28) 105.5.48 Storage of scrap tires and tire byproducts

(29) 105.5.49 Temporary membrane structures and tents

(30) 105.5.53 Block parties and event street closures

(F) Section 105.6 and all subsections of the International Fire Code are replaced as follows:

105.6 Required Construction Permits. Upon approval of required construction documents, as required by Section 105.4, a fire protection permit shall be obtained from the Fire Prevention Bureau prior to initiating any alterations, construction, installation, modification, or remodel of any fire protection system or other fire- or life-safety system, as defined by the Fire Code. The following fire protection systems shall require submittal of plans, specifications, design and installation criteria, as required by the *fire code official*, prior to issuance of a fire protection permit, those not listed are excluded from the requirements of this Section:

(1) 105.6.1 Automatic fire-extinguishing systems

(2) 105.6.2 Compressed gases

(3) 105.6.3 Cryogenic fluids

(4) 105.6.4 Emergency responder communication coverage system

(5) 105.6.5 Energy storage systems

(6) 105.6.6 Fire alarm and detection systems and related equipment

(7) 105.6.7 Fire pumps and related equipment

(8) 105.6.8 Flammable and combustible liquids

(9) 105.6.9 Fuel cell power systems

- (10) 105.6.10 Gas detection systems
- (11) 105.6.11 Gates and Barricades across fire apparatus access roads (notification only, no fee)
- (12) 105.6.12 Hazardous materials
- (13) 105.6.13 High-piled combustible storage
- (14) 105.6.14 Industrial ovens
- (15) 105.6.15 LP-gas
- (16) 105.6.16 Motor vehicle repair rooms and booths
- (17) 105.6.18 Private fire hydrants
- (18) 105.6.19 Smoke control or smoke exhaust systems
- (19) 105.6.22 Spraying or dipping
- (20) 105.6.23 Standpipe systems
- (21) 105.6.24 Temporary membrane structures, and tents

(G) Section 105.7 of the International Fire Code is added as follows:

105.7 Operational Permit Fees. The fee for operational permits required by Subsection 105.5 of this Code shall be as set forth in the Fee Schedule adopted by Resolution by the City Council. Fees shall be collected by the Fire Prevention Bureau. The *fire code official* is authorized to waive the fee in accordance with approved standard operating guidelines for administering permits for activities described in Section 105.8.

(H) Section 105.8 of the International Fire Code is added as follows:

105.8 Construction Permit Fees. Permit fees and taxes are required for fire protection and life safety systems required by Section 105.6 of this Code for initiating any alterations, construction, installation, modification, or remodel of any fire protection system or other fire- or life-safety system, as defined by the Fire Code. These fees shall be assessed by and paid to the City of Westminster in accordance with the provisions of the Fee Schedule adopted by Resolution by the City Council.

(I) Section 111 of the International Fire Code is replaced as follows:

111.1 Board of appeals. Appeals of orders, decisions, or determinations made by the *building official* or *fire code official* relative to the application and interpretation of the Building and Fire Codes, and amendments thereto, shall be made to the Building and Fire Code Appeals Committee pursuant to Title II, Chapter 10, of this Code. No such appeal shall be heard by the Building and Fire Code Appeals Committee, unless the appeal is filed within thirty (30) calendar days after the date of the action of the *building official* or the *fire code official*.

(J) Sections 111.2, 113, and 111.4 of the International Fire Code are deleted as follows:

111.2 Limitations on authority is deleted in its entirety.

111.3 Qualifications is deleted in its entirety.

111.4 Administration is deleted in its entirety.

(K) Section 112.1 of the International Fire Code is replaced as follows:

112.1 Unlawful Acts. It shall be unlawful for a person, firm or corporation to erect, construct, alter, repair, remove, demolish, or utilize a building, occupancy, premises or system regulated by this Code, or cause same to be done, in conflict with or in violation of any of the provisions of this Code.

(L) Sections 112.3 and 112.4, and all subsections, of the International Fire Code are replaced as follows:

112.3 Notice of Violation. When the *fire code official* finds a building, premises, vehicle, storage facility or outdoor area that is in violation of this Code, the *fire code official* is authorized to prepare a written notice of violation describing the conditions deemed unsafe and, when compliance is not immediate, specifying a time for re-inspection.

112.3.1 Service. A notice of violation issued pursuant to this Code shall be served upon the owner, operator, occupant, or other person responsible for the condition or violation, either by personal service, mail, e-mail, or by delivering the same to, and leaving it with, some person of responsibility upon the premises. For unattended or abandoned locations, a copy of such notice of violation shall be posted on the premises in a conspicuous place at or near the entrance to such premises and the notice of violation shall be mailed by first-class mail to the owner of the subject property at the address shown in the county assessor records for the county in which the property is located. Notice shall be deemed served on the date of receipt by the owner, if personally served, or upon the fifth (5th) day after mailing of the notice.

112.3.2 Compliance with Orders and Notices. A notice of violation issued or served as provided by this Code shall be complied with by the owner, operator, occupant, or other person responsible for the condition or violation to which the notice of violation pertains.

112.3.3 Prosecution of Violations. If the notice of violation is not complied with promptly, the Fire Code Official is authorized to request the legal counsel of the jurisdiction to institute the appropriate legal proceedings at law or in equity to restrain, correct or abate such violation or to require removal or termination of the unlawful occupancy of the structure in violation of the provisions of this Code or of the order or direction made pursuant hereto.

112.3.4 Unauthorized tampering. Signs, tags, or seals posted or affixed by the fire code official shall not be mutilated, destroyed, tampered with, or removed without authorization from the fire code official.

Section 112.4 and all subsections of the International Fire Code are replaced as follows:

112.4 Violation penalties. Any person who violates any of the provisions of this Code, or who fails to comply therewith, or who builds any structure in violation of a detailed statement of specifications or plans submitted and approved pursuant to this Code and from which no appeal has been taken, or who fails to comply with a final order issued pursuant to this Code within the time fixed therein shall be guilty of a misdemeanor punishable by a fine or imprisonment pursuant to the limits set forth in Section 1-8-1, W.M.C., or by both such fine and imprisonment. The imposition of one (1) penalty for any violation shall not excuse the violation or permit it to continue, and all such persons shall be required to correct or remedy such violations or defects within a reasonable time and, when not otherwise specified, each day that a prohibited condition is maintained shall constitute a separate offense. The imposition of a criminal penalty shall not prevent the abatement of prohibited conditions.

112.4.1 Abatement of violation. In addition to the imposition of the penalties herein described, The *fire code official* is authorized to institute appropriate action to prevent unlawful construction or to restrain, correct or abate a violation; or to prevent illegal occupancy of a structure or premises; or to stop an illegal act, conduct of business or occupancy of a structure on or about any premises.

(M) Section 113.4 of the International Fire Code is deleted in its entirety.

11-10-3.5: CHAPTER 3 GENERAL REQUIREMENTS:

(A) Section 308.1.4 Open flame cooking devices – Is amended as follows:

308.1.4 Open flame cooking devices. Exceptions: 2. Is deleted in its entirety.

11-10-4: CHAPTER 5 FIRE SERVICE FEATURES AMENDMENTS:

(A) Section 503.1.4 of the International Fire Code is added as follows:

503.1.4 Block Parties and street obstructions. The Fire Department is authorized to issue operational permits for street closures intended for block parties, City of Westminster sponsored events, neighborhood events, or for similar purposes, where such events will not impede delivery of emergency services and does not create an additional risk to public safety. Applicable fees may be waived for City of Westminster events and events sponsored by non-profit entities and organizations.

(B) Section 503.2.3 of the International Fire Code is replaced as follows:

503.2.3 Surface. Fire apparatus access roads shall be designed and maintained to support the imposed loads of fire apparatus and shall be surfaced with asphalt or concrete to provide all-weather driving capabilities.

(C) Section 503.3.1 of the International Fire Code is added as follows:

503.3.1 Fire lanes on private property. The marking of fire lanes on private property devoted to public use shall be approved by the *fire code official*, in accordance with the Fire Code and the Uniform Traffic Control Manual.

(D) Section 503.4.2 of the International Fire Code added as follows:

503.4.2 Obstruction by vehicle. The *fire code official* or any of his subordinates, or the Police Department, with knowledge of the existence of any vehicle parked in the fire lane, or in such manner as to interfere with the use of any fire hydrant, or in any manner in violation of this Section, may have such vehicle towed away and the charges of such towing shall be assessed to the owner of such vehicle. The aforesaid violation shall be sufficient grounds to cause a citation to be issued. In the event of a fire, the Fire Department shall have the authority to cause the vehicle blocking a fire hydrant or fire lane to be removed, with any subsequent damage to the vehicle being paid by the owner of said vehicle. The towing of any vehicle pursuant to this Section shall comply with the provisions of Title X, Chapter 1 of the Westminster Municipal Code.

(E) Section 505.1 of the International Fire Code is replaced as follows:

New and existing buildings shall be provided with *approved* address identification. The address identification shall be legible and placed in a position that is visible from the street or road fronting the property. Address identification characters shall contrast with their background. Address numbers shall be Arabic numbers or alphabetical letters. Numbers shall not be spelled out. Each character shall be a minimum of 6 inches (102 mm) high with a minimum stroke width of 3/4 inch (12.7 mm). Where required by the fire code official, address identification shall be provided in additional approved locations to facilitate emergency response. Where access is by means of a private road and the building address cannot be viewed from the public way, a monument, pole or other approved sign or means shall be used to identify the structure. Address identification shall be maintained.

(F) Section 505.1.1 of the International Fire Code is added as follows:

505.1.1 Rear or side doors. Buildings having exterior rear or side access doors shall have approved address numbers, building numbers or approved building identification placed in a position approved by the *fire code official*. Address identification characters shall contrast with their background. Address numbers shall be Arabic numbers or alphabetical letters. Numbers shall not be spelled out. Each character shall be a minimum of 4 inches (102 mm) high with a minimum stroke width of 1/2 inch (12.7mm).

(G) Section 505.1.2 of the International Fire Code is added as follows:

505.1.2 Interior doors. Buildings with multiple tenants with interior access doors shall have approved unit or space identification numbers, address numbers or other approved means of identifying individual tenant spaces or units. Address identification characters shall contrast with their background. Address numbers shall be Arabic numbers or alphabetical letters. Numbers shall not be spelled out. Each character shall be a minimum of 4 inches (102 mm) high with a minimum stroke of 1/2 inch (12.7 mm) or as approved.

(H) Section 507.5.3.1 of the International Fire Code is added as follows:

507.5.3.1 Private hydrants. Privately owned hydrants shall be maintained at the expense of the private property owner, subject to the direction and requirements of the *fire code official*. Such private hydrants shall be flushed and tested periodically according to the Fire Code. In the event such testing reveals that the flow from private hydrants is inadequate according to applicable standards, modifications necessary to meet these standards shall be ordered by the *fire code official*, and made at the expense of the property owner. All private hydrants shall be painted the same color as hydrants on public rights-of-way or elsewhere throughout the City with a different color cap, that being white, to designate a private fire hydrant.

Appropriate markings or signs restricting parking in front of or adjacent to fire hydrants shall be designated by the *fire code official*, and implemented at the expense of the owner of the property. No point of connection to any private fire hydrant shall be left uncapped without permission of the *fire code official*.

(I) Section 507.5.7 of the International Fire Code is added as follows:

507.5.7 Existing private fire hydrants. Existing hydrants that do not conform to City specifications or that do not face in the direction most consistent with emergency use by the Fire Department, as established by the *fire code official*, shall be changed to meet the City's requirements by the property owner and at the property owner's expense, within fifteen (15) days of service of notice of the required changes upon the property owner or its resident agent.

(J) Section 509.1 of the International Fire Code is replaced as follows:

509.1 Identification. Fire protection equipment shall be identified in an approved manner. Rooms containing controls for air-conditioning systems, fire protection equipment, utility equipment, or hazardous materials shall be identified for the use of the fire department with permanently installed and readily visible signs constructed of durable materials. Signs required to identify fire protection equipment locations, such as FDC, FACP, FIRE SPRINKLER RISER ROOM, and FIRE COMMAND CENTER shall be constructed with a red background and white letters a minimum of 4 inches tall with a 1/2 inch stroke in block font.

(K) Section 509.1.2 of the International Fire Code is added as follows:

509.1.2 Roof top unit identification. All roof top units shall be labeled in a numerical sequence. If duct detectors are installed, remote test stations shall be in a readily accessible location and labeled according to the associated roof top unit.

(L) Section 603.4 of the International Fire Code is amended by adding the following:

The area of the minimum required working space at electrical equipment located inside of buildings shall be permanently marked on the floor, including plainly visible and legible wording stating "NO STORAGE".

11-10-5: CHAPTER 9 FIRE PROTECTION SYSTEMS AMENDMENTS:

(A) Section 901.4.7.5 of the International Fire Code is added as follows:

Section 901.4.7.5 Location. Automatic sprinkler system riser rooms and fire pump rooms shall be located at grade level and accessible directly from the outside, and their location shall be subject to approval by the fire code official.

901.4.7.5.1 In existing buildings where a new fire pump is being added or an existing fire pump is being replaced with a new fire pump of different nominal rating, the location and access shall be preplanned and approved by the fire code official.

(B) Section 903.1.2 of the International Fire Code is added as follows:

903.1.2 Anti-freeze systems. Anti-freeze solutions shall be *listed*.

(C) Section 903.2 of the International Fire Code is amended by adding the following sentence:

Interior and audible and visual occupant notification devices shall be provided throughout building that have installed a NFPA 13 or 13R automatic sprinkler system.

(D) Section 903.2.8 of the International Fire Code is replaced as follows:

903.2.8 Group R. An automatic sprinkler system installed in accordance with Section 903.3 shall be provided throughout all buildings with a Group R fire area. Group R-2 and Group R-4 occupancies required to be protected with an automatic fire sprinkler system shall provide fire sprinkler coverage for all exterior balconies.

Exception: Existing Group R-2 and Group R-4 buildings and occupancies constructed prior to January 1, 2012, unless the building is undergoing renovation which is of sufficient extent that sprinkler system modifications are being completed that would provide fire sprinkler coverage on exterior balconies.

(E) Section 903.3.1.1.3 of the International Fire Code is added as follows:

903.3.1.1.3 Safety factor allowance. All automatic sprinkler systems installed in accordance with NFPA 13 shall comply with: Colorado Code of Regulations requires min 10 percent safety margin (max of 10 psi) for sprinkler hydraulic calculations, taken from the static and residual flow tests. Reference: 8 CCR 1507-11, Section 6.2.6 Hydraulic Calculations.

(F) Section 903.3.1.2.4 of the International Fire Code is added as follows:

903.3.1.2.4 Safety factor allowance. All automatic sprinkler systems installed in accordance with NFPA 13R shall comply with: Colorado Code of Regulations requires min 10 percent safety margin (max of 10 psi) for sprinkler hydraulic calculations, taken from the static and residual flow tests. Reference: 8 CCR 1507-11, Section 6.2.6 Hydraulic Calculations.

(G) Section 903.3.1.3.1 of the International Fire Code is added as follows:

903.3.1.3.1 Safety factor allowance. All sprinkler systems installed in accordance with NFPA 13D shall have a safety factor for all hydraulic calculations in systems. This shall consist of one of the following:

- (1) A five (5) percent hydraulic safety factor from the static pressure allowance.
- (2) System design of no greater than 80 psi static pressure.
- (3) As otherwise allowed by the *fire code official*.

(H) Section 903.3.1.3.2 of the International Fire Code is added as follows:

903.3.1.3.2 Requirement for notification. All sprinkler systems installed in accordance with NFPA 13D shall have a horn/strobe notification device placed on the exterior of the structure in a location visible to passersby.

Exception. Horns and strobes shall not be required for passive purge systems.

(I) Section 903.3.2.1 of the International Fire code is added as follows:

903.3.2.1 Residential automatic sprinkler heads in light hazard occupancies. Residential automatic sprinkler heads are prohibited in light hazard occupancies.

(J) Section 903.3.2.2 of the International Fire Code is added as follows:

903.3.2.2 Residential and quick-response automatic sprinkler heads. All installations of residential and quick-response automatic sprinkler heads shall be in strict accordance with their listings. Where listings authorize installation where prohibited in 903.3.2 and 903.3.2.1, the *fire code official* may waive the requirements mandated by 903.3.2 and 903.3.2.1.

(K) Section 903.4.2 of the International Fire Code is replaced as follows:

903.4.2 Alarms. Approved audible and visual notification devices shall be connected to each automatic sprinkler system. Such sprinkler waterflow alarm notification appliances shall be activated by water flow equivalent to the flow of a single sprinkler of the smallest orifice size installed in the system. Exterior audible and visual notification appliances shall be provided on the exterior of the building above the wall-mounted Fire Department Connection.

(L) Section 905.3.1 of the International Fire Code is amended by adding Exceptions 7 and 8 as follows:

905.3.1 Height shall be amended by adding the following exceptions:

Exception 7: Class I standpipes are allowed to be manual systems.

Exception 8: Fire hose is not required for Class III standpipes. Standpipe hose outlets shall be two and one-half –inch (2-1/2”) outlets with a two and one-half-inch (2-1/2”) cap.

(M) Section 905.3.9 of the International Fire Code is added as follows:

905.3.9 Bridges and roadway overpasses. Where required to extend water supply to streets, highways, and rail systems, a dry standpipe shall be installed in accordance with Fire Department requirements.

(N) Section 905.4 of the International Fire Code is amended by deleting the exception to item #2:

(O) Section 905.4 of the International Fire Code is amended by adding the following to item #6:

Where the fire code official has determined that additional hose connections be provided, such locations shall provide protection for responding personnel. Such protection shall be in the form of a smoke or fire door assembly or other approved method.

(P) Section 907.2 of the International Fire Code is amended by adding the following sentence:

Interior audible and visual occupant notification devices shall be provided throughout buildings that have installed a NFPA 13 or 13R automatic sprinkler system.

(Q) Section 907.2.11 of the International Building Code is replaced as follows:

907.2.11 Single- and multiple-station smoke alarms. Listed single- and multiple station smoke alarms complying with UL 217 shall be installed in accordance with Sections 907.2.11.1 through 907.2.11.7, NFPA 72 and the manufacturer’s published instructions.

(R) Section 907.6.7 of the International Fire Code is added as follows:

907.6.7 Extent of coverage. The *fire code official* shall approve the extent of zone coverage for fire alarm systems in all buildings and structures.

(S) Section 912.2.2 of the International Fire Code is replaced as follows:

912.2.2 Existing buildings. On existing buildings, wherever the fire department connection is not visible to approaching fire apparatus, the fire department connection shall be indicated by an approved sign mounted on the street front or on the side of the building. Such sign shall be constructed with a red background and white letters a minimum of 6 inches tall with a 3/4 inch stroke in block font stating "FDC" and words in letters not less than 2 inches (51 mm) high or an arrow to indicate the location. Such signs shall be subject to the approval of the fire code official.

(T) Section 912.2.3 of the International Fire Code is added as follows:

912.2.3 Fire hydrant accessibility. The Fire Department connection (FDC) shall have a fire hydrant within one hundred feet in a location approved by the fire code official.

11-10-6: CHAPTER 10 MEANS OF EGRESS AMENDMENTS:

(A) Section 1032.11 of the International Fire Code is added as follows:

1032.11 Valet trash service in corridors. Valet trash services shall not be permitted in new and existing buildings in the exit access or exit portion of the means of egress.

11-10-7: CHAPTER 12 ENERGY SYSTEMS AMENDMENTS:

(A) Section 1205.5 of the International Fire Code is added as follows:

1205.5 Direct current (DC) wiring. Direct current (DC) conduit, wiring, and raceways shall be located below the solar array or a minimum of twenty-four inches below the roof sheathing.

(B) Section 1205.6 of the International Fire Code is added as follows:

1205.6 Labeling. For residential applications, a label stating, "CAUTION, SOLAR PHOTO VOLTAIC SYSTEM ON PREMISES" shall be placed at or within the main electrical service disconnect.

11-10-7.5: CHAPTER 34 FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION AMENDMENTS

(A) Section 3314.1 of the International Fire Code is replaced as follows:

3314.1 Where required. In buildings required to have standpipes by Section 905.3.1, not less than one standpipe shall be provided for use during construction. Such standpipes shall be installed prior to construction exceeding 40 feet (12 192 mm) in height above the lowest level of fire department vehicle access. Such standpipes shall be provided with fire department hose connections at locations adjacent to stairways complying with Section 3312.1, with a 150-foot maximum horizontal separation between standpipes. As construction progresses, such standpipes shall be extended to within one floor of the highest point of construction having secured decking or flooring.

11-10-8: CHAPTER 56 EXPLOSIVES AND FIREWORKS AMENDMENTS:

(A) Section 5601.1.3 of the International Fire Code is replaced as follows:

5601.1.3 Fireworks. The possession, manufacture, storage, sale, handling, and use of fireworks are prohibited.

Exceptions:

(1) State of Colorado defined "permissible fireworks" will be allowed for possession, handling, and use only during the timeframe beginning at 12:00 a.m. on July 3rd and ending at 12:00 p.m. on July 5th of any given calendar year.

(2) Fireworks shall be prohibited in all City of Westminster parks and open spaces, unless approved by the Director of Parks, Recreation, and Libraries and the Fire Department.

(3) As provided in Section 6-8-3, W.M.C.

(B) Section 5604.1.1 of the International Fire Code is added as follows:

5604.1.1 General Storage Limitations. The storage of explosives and blasting agents is prohibited within all zones except PUD (Planned Unit Development) where such storage is specifically listed as an allowed use, except for temporary storage for use in connection with approved blasting operations; provided that this prohibition shall not apply to wholesale and retail stocks of small arms, ammunition, explosive bolts, explosive rivets, or cartridges for explosive-actuated power tools in aggregate quantities involving less than five hundred pounds (500#) of explosive material.

11-10-9: CHAPTER 61 LIQUIFIED PETROLEUM GASES AMENDMENTS:

(A) Section 6104.2 of the International Fire Code is amended by adding the following text:

6104.2 Maximum Capacity within Established Limits.

This maximum capacity limitation specifically applies to the following zoning areas: RA, RE, R1, R2, R3, R4, R5, B1, C1, T1, and PUD (Planned Unit Development) zoned districts.

11-10-9.5: APPENDIX B FIRE-FLOW REQUIREMENTS FOR BUILDINGS AMENDMENTS:

(A) Section B105.1 of the International Fire Code is replaced as follows:

B105.1 One- and two-family dwellings, Group R-3 and R-4 buildings and townhouses. The minimum fire-flow and flow duration requirements for one- and two-family dwellings, Group R-3 and R-4 buildings and townhouses shall be as specified in Tables B105.1(1) and B105.1(2), but not less than 1500 gallons per minute.

(B) Section B105.2 of the International Fire Code is replaced as follows:

B105.1 Buildings other than one- and two-family dwellings, Group R-3 and R-4 buildings and townhouses. The minimum fire-flow and flow duration requirements for buildings other than one- and two-family dwellings, Group R-3 and R-4 buildings and townhouses shall be as specified in Tables B105.1(1) and B105.1(2), but not less than 1500 gallons per minute.

(C) Section B105.4 of the International Fire Code is added as follows:

B105.4 Fire Flow Reduction Allowance. Buildings which are equipped with an automatic sprinkler system in accordance with section 903.3.1.1 or 903.3.1.2 of the *International Fire Code* are allowed a minimum fire-flow of 50 percent of the value in Table B105.1(2), provided the fire-flow shall be a minimum of 1,500 gallons per minute.

Table B105.2 Footnote a. The reduced fire flow shall not be less than 1500 gallons per minute.

11-10-10: APPENDIX C FIRE HYDRANT LOCATIONS AND DISTRIBUTION:

(A) Table C102.1 of the International Fire Code is amended as follows:

Footnotes f and g are deleted in their entirety.

(B) International Fire Code Appendix Adoption

Appendices are Added, Adopted, Adopted as Amended, or Not Adopted as part of this Code as noted in Appendix Adoption Table of the *International Building Code*. Prescriptive design provisions and mandatory requirements from appendices that are added, adopted, or adopted as amended carry the full authority of this code.

APPENDIX ADOPTION TABLE

APPENDIX	TITLE – SUBJECT	STATUS
A	Board of Appeals	Not Adopted
B	Fire-Flow Requirements for Buildings	Adopted as Amended
C	Fire Hydrant Locations and Distribution	Adopted as Amended
D	Fire Apparatus Access Roads	Adopted
E	Hazard Categories	Not Adopted
F	Hazard Ranking	Not Adopted
G	Cryogenic Fluids—Weights and Volume Equivalents	Not Adopted
H	Hazardous Materials Management Plan (HMMP) and Hazardous Materials Inventory Statement (HMIS) Instructions	Not Adopted
I	Fire Protection Systems—Noncompliant Conditions	Not Adopted
J	Building Information Sign	Not Adopted
K	Construction Requirements for Existing Ambulatory Care Facilities	Not Adopted
L	Requirements for Fire Fighter Air Replenishment Systems	Not Adopted
M	High-Rise—Retroactive Automatic Sprinkler Requirements	Not Adopted
N	Indoor Trade Show and Exhibitions	Not Adopted

Section 4. This ordinance shall take effect upon its passage after second reading. The title and purpose of this ordinance shall be published prior to its consideration on second reading. The full text of this ordinance shall be published within ten (10) days after its enactment after second reading.


INTRODUCED, PASSED ON FIRST READING, AND TITLE AND PURPOSE ORDERED PUBLISHED this 26th day of February, 2024.

PASSED, ENACTED ON SECOND READING, AND FULL TEXT ORDERED PUBLISHED this 25th day of March, 2024.

ATTEST:




City Clerk



Mayor

APPROVED AS TO LEGAL FORM:



City Attorney's Office