

TOWN OF EAGLE, COLORADO
ORDINANCE NO. _____
(Series of 2023)

AN ORDINANCE OF THE TOWN COUNCIL OF THE TOWN OF EAGLE, COLORADO, ADOPTING BY REFERENCE THE 2021 EDITIONS OF THE INTERNATIONAL BUILDING CODE, THE INTERNATIONAL RESIDENTIAL CODE, THE INTERNATIONAL MECHANICAL CODE, THE INTERNATIONAL PLUMBING CODE, THE INTERNATIONAL FUEL GAS CODE, THE INTERNATIONAL EXISTING BUILDING CODE, THE INTERNATIONAL SWIMMING POOL AND SPA CODE, THE INTERNATIONAL ENERGY CONSERVATION CODE, AND THE INTERNATIONAL FIRE CODE, AND THE 2020 EDITION OF THE NATIONAL ELECTRICAL CODE, WITH AMENDMENTS AND RELATED DEFINITIONS

WHEREAS, the Town Council finds it necessary to adopt this ordinance providing minimum standards to safeguard the health, property, and welfare of the citizens of Eagle by regulating and controlling the use, occupancy, maintenance, repair, design, construction and quality of materials for buildings and structures within the Town; and

WHEREAS, the Town agreed to collaborate with neighboring communities to adopt a consistent version of the 2021 International Energy Conservation Code with supporting amendments.

NOW, THEREFORE, BE IT ORDAINED BY THE TOWN COUNCIL OF THE TOWN OF EAGLE, COLORADO AS FOLLOWS:

Section 1. Section 13.010.050 of the Eagle Municipal Code is hereby repealed in its entirety and reenacted as follows:

Section 13.01.050. - Violation and penalty.

- A. It is unlawful to violate any provision of this Title.
- B. Violations of this Title shall be a Class A offense and subject to the penalties set forth in Chapter 1.12 of this Code. Each day of violation shall be a separate offense.

Section 2. Section 13.020.010 of the Eagle Municipal Code is hereby amended by the addition of the following definitions, to appear in alphabetical order:

All-Electric Building means a building and building site that contains no combustion equipment, or plumbing for combustion equipment, and that uses heat pump technology as the primary supply for heating, cooling, and service water heating loads.

Assisted Living Facility means a building or part thereof housing persons, on a 24-hour basis, who because of age, mental disability or other reasons, live in a

supervised residential environment which provides personal care services. The occupants are capable of responding to an emergency situation without physical assistance from staff.

Change of Use means a change in the use of a building or a portion of a building, within the same group classification, for which there is a change in application of the code requirements.

GEFPD means the Greater Eagle Fire Prevention District.

Special Inspector means a qualified person employed or retained by an approved agency who shall prove to the satisfaction of the registered design professional in responsible charge and the Building Official as having the competence necessary to inspect a particular type of construction requiring special inspection.

Section 3. Sections 13.03.010 and 13.030.020 of the Eagle Municipal Code are hereby repealed in their entirety and reenacted as follows:

Section 13.03.010. - Adoption.

The International Building Code, 2021 Edition, with Appendices C, G, J, and K, promulgated by the International Code Council, 500 New Jersey Avenue NW, 6th Floor, Washington, DC 20001 (the "IBC"), is adopted by reference.

Section 13.03.020. - Amendments.

The IBC is amended as follows:

1. Section 103.1 is amended to read as follows: "The Town of Eagle Building Department is the enforcement agency and the official in charge thereof shall be known as the Building Official."
2. Section 105.1 is amended to read as follows: "Required. Any owner or owner's authorized agent who intends to construct, enlarge, alter, repair, move, demolish or change the occupancy of a building or structure, or outdoor assembly space, or to erect, install, enlarge, alter, repair, remove, convert or replace any electric, gas, mechanical, or plumbing system, the installation of which is regulated by this code, or to cause any such work to be performed, shall first make application to the building official and obtain the required permit."
3. Section 105.2 is amended by the deletion of items 1, 2, 10 and 11 under the "Building" subtitle.
4. Section 109.4 is amended by the addition of the following: "An investigation fee, in addition to the permit fee, shall be assessed for work that commences before the issuance of a building permit. The investigation fee shall be equal to the permit fee and payment does not exempt any person from compliance with all other requirements of this code or from any penalty prescribed by law."

5. Section 111.3 is amended by the addition of the following: "The Building Official is authorized to create a policy to address applicable procedures and fees for a Temporary Certificate Occupancy (TCO)."

6. The definition of "Change of Occupancy" in Section 202 is amended as follows: "CHANGE OF OCCUPANCY. Any of the following shall be considered as a change of occupancy: a change in the occupancy classification of a building or structure; a change of use; a change in the business occupant; a change in the business name; or a change in the business owner. Exception: Individual office occupancies (excluding medical/dental care occupancies) leased as executive suites which are not part of a mixed-use occupancy such as office/warehouse, or there is no change in electric or gas meter accounts."

7. Section 303.1.3 is amended by the addition of the following: "A room or space used for assembly purposes that is associated with a Group E occupancy is not considered a separate occupancy, except when applying the assembly requirements of Chapters 10 and 11."

8. Section 406.3.3.1 is amended by the addition of the following: "A fire separation is not required between a Group R-2 and U carport provided that the carport is entirely open on all sides and that the distance between the two is at least 10 feet."

9. Section 410.6 is amended by the addition of the following and the deletion of Exceptions 1-3: "Automatic sprinkler system. With the approval of the fire code official, alternate automatic fire suppression systems may be considered for use in areas where a fire sprinkler system may not be suitable. Stages shall be equipped with an automatic sprinkler system in accordance with Section 903.3.1.1. Sprinklers shall be installed under the roof and gridiron and under all catwalks and galleries over the stage. Sprinklers shall be installed in dressing rooms, performer lounges, shops and storerooms accessory to such stages."

10. Section 903.2.3 is amended by the deletion of the Exception under Item #2.

11. Section 903.2.4.2 is amended to read as follows: "An automatic sprinkler system shall be provided throughout a Group F-1 fire area used for the manufacture of distilled spirits unless involving not more than 120 gallons of distilled spirits in the fire area at any one time and approved by the Fire Marshal."

12. Section 903.2.8.1 is amended to read as follows: "An automatic fire sprinkler system installed in accordance with Section 903.1.3 shall be required, permitted, and installed in Group R-3 occupancies that are supplied by a municipal water supply and constructed more than 5.5 miles of road travel distance from a fire station."

13. Section 903.2.8.1.1 is amended by the addition of the following: "Group R-2. An automatic fire sprinkler system installed in accordance with Section

903.1.3 shall be required in buildings that have Group R-2 occupancies and other occupancies under one common roof."

14. Section 903.2.9.1 is amended by the addition of the following subsection: "5. Buildings in which repair garages and other occupancy types occupy a building under one common roof."

15. Section 903.2.9.3 is amended to read as follows: "An automatic sprinkler system shall be provided throughout a Group S-1 fire area used for the bulk storage of distilled spirits or wine unless involving not more than 120 gallons of distilled spirits or wine in the fire area at any one time and approved by GEFPD."

16. Section 903.2 is amended by the deletion of the Exception.

17. Section 903.4 is amended by the deletion of Exception #1.

18. Section 903.4.3 is amended by the addition of the following: "Approved supervised indicating control valves shall be provided at the point of connection to the riser on each floor in high-rise buildings. Floor control valves shall be readily accessible without the use of special key, knowledge or ladder. Locations of floor control valves shall be subject to approval of the fire code official."

19. A new Section 905.2.1 is added to read as follows: "Installation standards – standpipe systems. Class III standpipes may be required to manual wet when required by the fire code official. Standpipes shall be hydraulically separated from fire sprinkler risers. Combination risers are prohibited without express permission of the fire code official."

20. Section 905.3 is amended to read as follows: "Required installations. Standpipe systems shall be installed where required by Sections 905.3.1-905.3.8. Standpipe installations may be required by the fire code official where distances to all portions of the property from fire apparatus exceed 150 feet. Standpipe class shall be determined by the fire code official based on the conditions presented. Exception: Standpipe systems are not required in Group R-3 occupancies."

21. Section 905.3.1 is amended by the deletion of Exception #6.2.

22. Sections 907.2.1 and 907.2.2 are amended by the deletion of the Exceptions.

23. Section 907.2.2.1 is amended by the deletion of the Exception.

24. A new Section 907.2.3.1 is added to read as follows: "Automatic smoke detection system. An automatic smoke detection system shall be installed throughout Group E occupancies in accordance with Section 907.5 and Section 907.6. Exception: Group E occupancies with an occupant load of 50 or less."

25. Sections 907.2.4, 907.2.7 and 907.2.8.1 are amended by the deletion of Exception #2.

26. Section 907.2.9.1 is amended by the deletion of Exceptions #2 and #3.
27. Section 907.2.10 is amended by the deletion of the Exception.
28. Section 907.5.2.1.4 is amended to read as follows: "Silencing of alarm notification appliances. Upon the silencing (by the fire department) of a fire alarm system that has been activated, the fire alarm system shall be capable of silencing the audible alarms while still providing visual notification to occupants."
29. Section 907.6.6 is amended by the deletion of Exception #3.
30. Section 1203.1 is amended by the addition of the following: "The minimum design criteria shall be -20 degree Fahrenheit outside."
31. Section 1809.5 (1.) is amended to read as follows: "Extending below the frost line of the locality to a depth of not less than 48 inches measured from the bottom of the footing to the backfill grade lines, unless otherwise designed by a structural engineer for a specific location."
32. Section 2902.1 is amended by the addition of the following: "In other than Group E Occupancies, the minimum number of fixtures in Table 2902.1 may be lowered, if requested in writing, by the applicant stating reasons for a reduced number and approved by the Building Official."
33. Table 2902.1 is amended by the addition of the following footnote g: "Drinking fountains are not required in M Occupancies with an occupant load of 100 or less, B Occupancies with an occupant load of 25 or less, and for dining or drinking establishments. The Building Official may consider the substitution of approved electric water dispensers for the required number of drinking fountains where existing conditions make such installations impractical or unreasonable."
34. Section 2902.3.3 is amended to read as follows: "Location of toilet facilities in occupancies other than malls. For occupancies other than Group A-2, (including less than 50 occupants), covered malls, and open mall buildings, the required public and employee toilet facilities shall be located not more than one story above or below the space required to be provided with toilet facilities, and the path of travel to such facilities shall not exceed a distance of 500 feet.

Group A-2 shared restrooms may be approved by the Building Official under the following conditions: the occupant load does not exceed 15; the minimum number of fixtures is based on the total occupant load served by all occupancies; a written restroom-sharing agreement is executed between owners of both spaces or between the building owner where the restrooms exist and new business owner; access to the restroom is not be controlled by any locked doors within the path of travel to such facilities unless a site diagram (minimum 18" x 18") is posted at the business front door with the current keypad code; the restroom is accessible during operating hours of the subject business regardless

of operating hours of the space providing the restroom; access to the restroom is provided along an accessible route.

Section 4. Sections 13.04.010 and 13.04.020 of the Eagle Municipal Code are hereby repealed in their entirety and reenacted as follows:

Section 13.04.010. - Adoption.

The International Residential Code, 2021 Edition, with Appendices AE, AF, AH, AK, AM, AQ, AR, AS and AU, promulgated by the International Code Council, 500 New Jersey Avenue NW, 6th Floor, Washington, DC 20001 (the "IRC"), is adopted by reference.

Section 13.04.020. - Amendments.

The IRC is amended as follows:

1. The energy provisions in Chapter 11 are deleted in their entirety.
2. Section R102.4 is amended to read as follows: "Referenced codes and standards. The codes, when specifically adopted, and standards referenced in this code shall be considered part of the requirements of this code to the prescribed extent of each such reference and as further regulated in Sections R102.4.1 and R102.4.2. Whenever amendments have been adopted to the referenced codes and standards, each reference to said code and standard shall be considered to reference the amendments as well. Any reference made to NFPA 70 or the Electrical Code shall mean the Electrical Code as adopted."
3. Section R103.1 is amended to read as follows: "The Town of Eagle Building Department is the enforcement agency and the official in charge thereof shall be known as the Building Official."
4. Section R105.2 is amended to read as follows: "1. Other than storm shelters, one-story detached accessory structures, provided that the floor area does not exceed-120 square feet and the tallest portion of the building does not exceed 10 feet. Such structures shall not be intended or used for human habitation. 2. Fences not over 6 feet high and are located entirely within side or rear yard areas.

5. Table R301.2 (1) is amended to read as follows:

GROUND SNOW LOAD	WIND DESIGN				SEISMIC DESIGN CATEGORY ^f	SUBJECT TO DAMAGE FROM			WINTER DESIGN TEMP ^e	BARRIER UNDER-LAYMENT ^h	FLOOD HAZARDS ^g	AIR FREEZING INDEX ⁱ	MEAN ANNUAL TEMP ^j
	SPEED ^d (MPH)	Topographic Effects ^k	Wind Special Region ^l	Windborne Debris Zone ^m		Weat herin g a	Frost Line Depth ^b	Termit e ^c					
65 lb/ft	115 (3 sec-gust)/ 76 fastest mile	No	No	No	B	Sever e	48"	None	-22 ⁰ F	Yes	Local Code	2500	43.9 ⁰ F

6. Section R302.13 is amended to read as follows: "Fire protection of floors. Floor assemblies located over basements or crawl spaces which contain fuel-fired or electric-powered heating, cooling, water heating, or other similar appliances and not located within mechanical rooms constructed of one-hour fire resistance and not required elsewhere in this code to be fire-resistive rated, shall be provided with a ½-inch gypsum wallboard membrane, 5/8-inch structural panel membrane, or equivalent on the underside of the floor framing member. Where protection is not installed, the cavity spaces formed by floor framing members shall be completely filled with unfaced batt insulation or other approved material and interconnected smoke/CO detectors shall be installed as determined by the code official. Penetrations or openings for ducts, vents, electrical outlets, lighting, devices, luminaires, wires, speakers, drainage, piping and similar openings or penetrations shall be permitted."

7. Section R303.10 is amended by the addition of the following: "Heat loss calculations required for dwelling units shall be calculated at a minimum 68 degree temperature inside and a -20 degree temperature outside."

8. The following is added to the Exception in Section R303.4: "Spaces containing only a water closet or water closet and a lavatory may be ventilated with an approved mechanical recirculating fan or similar device designed to remove odors from the air."

9. Section R308.4 is amended by the addition of the following: "Hazardous locations. The locations specified in Sections R308.4.1-R308.4.7 shall be considered to be specific hazardous locations for the purposes of glazing. The

application of window film to existing glazing is not acceptable as an equivalent method and material for compliance with this section."

10. Section R309.5 is amended by the addition of the following: "Private garages and Accessory Dwelling Units attached to dwellings containing fire sprinkler systems shall be protected by fire sprinkler systems when required by the fire official."

11. Section R313.1 is amended to read as follows: "An automatic fire sprinkler system may be installed in townhouses except for designated geographical locations."

12. Section R313.2 is amended to read as follows: "An automatic fire sprinkler system may be installed in one-and-two family dwellings except for designated geographical locations."

13. Exception #2 in Section R315.2.2 is amended to read as follows: "Installation, alteration or repairs of all electrically powered mechanical systems or plumbing appliances."

14. Section R401.2 is amended by the addition of the following: "Every foundation and/or footing, or any size addition to an existing post-tension foundation, regulated by this code shall be designed and sealed by a Colorado-registered engineer unless otherwise authorized by the Building Official.

15. Section R403.1.4.1 is amended by the addition of the following: "All conditioned spaces within a building or attached thereto shall have foundation frost walls extend a minimum depth of 48" as measured from the bottom of the footing to the backfill grade lines, unless otherwise designed by a structural engineer."

16. Chapter 11 [RE] – Energy Efficiency is deleted in its entirety.

17. Section M1305.1.2 is amended to read as follows: "Appliances in attics. Attics containing appliances shall be provided with an opening and a clear unobstructed passageway large enough to allow removal of the largest appliance, but not less than 60 inches high and 36 inches wide and not more than 20 feet long measured along the centerline of the passageway from the opening to appliance. The passageway shall have continuous solid flooring in accordance with Chapter 5 not less than 36 inches wide. A level service space not less than 30 inches deep and 30 inches wide shall be present along all sides of the appliance. The clear access opening dimensions shall be a minimum of 22 inches by 30 inches, and large enough to allow removal of the largest appliance.

Exceptions:

1. The passageway and level service space are not required where the appliance can be serviced and removed through the required opening.

2. Where the passageway is unobstructed and not less than 6 feet high and 22 inches wide for its entire length, the passageway shall be not more than 50 feet long.
18. Section M1305.1.3 is amended to read as follows: "Appliances under floors. Underfloor spaces containing appliances shall be provided with an opening and a clear unobstructed passageway large enough to allow removal of the largest appliance, but not less than 60 inches high and 36 inches wide, not more than 20 feet long measured along the centerline of the passageway from the opening to the appliance. A level service space not less than 30 inches deep and 30 inches wide shall be present at the front or service side of the appliance. If the depth of the passageway or the service space exceeds 12 inches below the adjoining grade, the walls of the passageway shall be lined with concrete or masonry extending 4 inches above the adjoining grade in accordance with Chapter 4. The clear access opening dimensions shall be a minimum of 22 inches by 30 inches, and large enough to allow removal of the largest appliance."
19. A new Section G2420.1.4 is added to read as follows: "Termination of CSST valves. Shutoff valves installed with corrugated stainless steel (CSST) piping systems shall be supported with an approved termination fitting in accordance with manufacturer's installation requirements. In the absence of specific provisions, the Building Official may approve an equivalent support, suitable for the size of the valves, of adequate strength and quality, and located not greater than 12-inches from the center of the valve. Supports shall be installed so as not to interfere with the free expansion and contraction of the system's piping, fittings, and valves between anchors. All valves and supports shall be designed and installed so they will not be disengaged by movement of the supporting piping."
20. Section G2420.5.1 is amended by the addition of the following: "(409.5.1) Located within the same room. The shutoff valve shall be within 6 feet of the appliance, and shall be installed upstream of the union, connector or quick disconnect device it serves. Such shutoff valves shall be provided with access. Shutoff valves serving movable appliances, such as cooking appliances and clothes dryers, shall be considered to be provided with access where installed behind appliances. Appliance shutoff valves located in the firebox of a fireplace shall be installed in accordance with the appliance manufacturer's instructions. A secondary shutoff valve must be installed outside of the fireplace and located within 3 feet of the firebox if the appliance shutoff is located within the firebox."
21. Section P2603.5.1 is amended to read as follows: "Sewer depth. Building sewers that connect to private sewage disposal systems shall be a minimum of 12 inches below finished grade at the point of septic tank connection. Building sewers shall be a minimum of 12 inches below grade."

22. Section P2801.6.1 is amended to read as follows: "Pan size and drain. Where a pan drain was not previously installed and structural conditions are technically infeasible for a new drain installation, a pan drain shall not be required for a replacement water heater installation and an automatic shut-off triggered by a sensor or other approved device shall be installed."

23. Section P2804.6.1 is amended to read as follows: "Requirements for discharge piping. The discharge piping serving a pressure relief valve, temperature relief valve or combination thereof shall discharge to the floor, to the pan serving the water heater or storage tank, to a waste receptor, to the outdoors or to an approved location. Exception: Replacement of existing water heaters shall not trigger the requirement to add or modify existing discharge piping unless such piping was never code compliant as determined by the code authority."

Section 5. Sections 13.05.010 and 13.05.020 of the Eagle Municipal Code are hereby repealed in their entirety and reenacted as follows:

Section 13.05.010. - Adoption.

The International Mechanical Code, 2021 Edition, promulgated by the International Code Council, 500 New Jersey Avenue NW, 6th Floor, Washington, DC 20001 (the "IMC") is adopted by reference.

Section 13.05.020. - Amendments. -

The IMC is amended as follows:

1. A new Section 201.5 is added to read as follows: "Mechanical Contractor. Only a Mechanical Contractor is authorized to install "Mechanical Systems" as defined in Section 202 of the IMC. Mechanical Contractors shall possess state or national certifications, registrations, or licenses as recognized by the Building Official. The Building Official may determine accepted criteria until such time that the State commences licensing or registration of mechanical contractors."

2. Section 306.3 is amended to read as follows: "Appliances in attics. Attics containing appliances shall be provided with an opening and a clear unobstructed passageway large enough to allow removal of the largest appliance, but not less than 60 inches high and 36 inches wide and not more than 20 feet in length measured along the centerline of the passageway from the opening to the appliance. The passageway shall have continuous solid flooring not less than 36 inches wide. A level service space not less than 30 inches deep and 30 inches wide shall be present at the front or service side of the appliance. The clear access opening dimensions shall be a minimum of 22 inches by 30 inches, and large enough to allow removal of the largest appliance.

Exceptions:

1. The passageway and level service space are not required where the appliance can be serviced and removed through the required opening.
2. Where the passageway is unobstructed and not less than 6 feet high and 36 inches wide for its entire length, the passageway shall be not more than 50 feet long.
3. Section 306.4 is amended to read as follows: "Appliances under floors. Underfloor spaces containing appliances shall be provided with an opening and a clear unobstructed passageway large enough to allow removal of the largest appliance, but not less than 60 inches high and 36 inches wide and not more than 20 feet long measured along the centerline of the passageway from the opening to the appliance. A level service space not less than 30 inches deep and 30 inches wide shall be present at the front or service side of the appliance. If the depth of the passageway or the service space exceeds 12 inches below the adjoining grade, the walls of the passageway shall be lined with concrete or masonry extending 4 inches above the adjoining grade in accordance with Chapter 4. The clear access opening dimensions shall be a minimum of 22 inches by 30 inches, and large enough to allow removal of the largest appliance.

Exceptions:

1. The passageway and level service space are not required where the appliance can be serviced and removed through the required opening.
2. Where the passageway is unobstructed and not less than 6 feet high and 36 inches wide for its entire length, the passageway shall be not more than 50 feet long.
4. Section 309.1 is amended by the addition of the following: "The minimum design criteria shall be -20 degree Fahrenheit outside."
5. Section 621 is deleted in its entirety.

Section 6. Sections 13.06.010 and 13.06.020 of the Eagle Municipal Code are hereby repealed in their entirety and reenacted as follows:

Section 13.06.010. - Adoption.

The International Plumbing Code, 2021 Edition, with Appendices C, D and E, promulgated by the International Code Council, 500 New Jersey Avenue NW, 6th Floor, Washington, DC 20001 (the "IPC"), is adopted by reference.

Section 13.06.020. - Amendments.

The IPC is amended as follows:

1. Section 305.4.1 is amended as follows: "Building sewers shall be a minimum of 12 inches below grade."

2. Section 306.2.4 is amended by the addition of the following: "Plastic sewer and DWV piping installation. Plastic sewer and DWV piping installed underground shall be installed in accordance with the manufacturer's installation instructions. The piping shall be bedded in 4 inches of granular fill or fine rock aggregate not exceeding 0.75 inches in diameter and then backfilled compacting the side fill in 6-inch layers on each side of the piping. The compaction shall be to minimum of 85% standard proctor density and extend to a minimum of 6 inches above the top of the pipe."

3. Section 312.1.1 is amended to read as follows: "Test Gauges. Gauges used for testing shall not be dilapidated as determined by the Code Official and shall be as follows: 1. Tests requiring a pressure of 10 pounds per square inch or less shall utilize a testing gauge having increments of 0.10 psi or less. 2. Tests requiring a pressure of greater than 10 psi but less than or equal to 100 psi shall utilize a testing gauge having increments of 1 psi or less. 3. Tests requiring a pressure of greater than 100 psi shall utilize a testing gauge having increments of 2 psi or less."

4. The first sentence of Section 312.3 is deleted in its entirety.

5. Section 403.1 is amended by the addition of the following: "In other than E Occupancies, the minimum number of fixtures in Table 403.1 may be lowered, if requested in writing by the applicant, stating the specific hardship(s) for a reduced number and approved by the Building Official."

6. Table 403.1 is amended by the addition of the following footnote: "g. Drinking fountains are not required in M Occupancies with an occupant load of 100 or less, B Occupancies with an occupant load of 25 or less, and for dining or drinking establishments. The Building Official may authorize the use of other devices where a hardship is demonstrated that prohibits the installation of a drinking fountain."

7. Section 403.3.3 is amended to read as follows: "Location of toilet facilities in occupancies other than malls. In occupancies other than Group A-2, (including less than 50 occupants), covered malls, and open mall buildings, the required public and employee toilet facilities shall be located not more than one story above or below the space required to be provided with toilet facilities, and the path of travel to such facilities shall not exceed a distance of 500 feet. The Building Official may approve shared restrooms for Group A-2 occupancies, including those less than 50 occupants, under the following conditions: the occupant load does not exceed 15; the minimum number of fixtures is based on the total occupant load served by all occupancies; a written restroom-sharing agreement is executed between owners of both spaces or between the building owner where the restrooms exist and the new business owner; access to the restroom is not controlled by any locked door within the path of travel to such facilities unless a site diagram (min. 18" x 18") to the restroom is posted at the business front door with the current keypad code; the restroom is accessible during operating hours

of the subject business regardless of operating hours of the space providing the restroom; and access to the restroom is provided along an accessible route.

8. Section 413.4 is amended to read as follows: "Required location for floor drains shall be installed in the following areas: 1. In public laundries and in the central washing facilities of multiple family dwellings, the rooms containing automatic clothes washers shall have floor drains located to readily drain the entire floor area. Such drains shall have a minimum outlet of not less than 3 inches in diameter. 2. Commercial kitchens. In lieu of floor drains in commercial kitchens, the Code Official may accept floor sinks. 3. Public restrooms."

9. Section 703.6 is deleted in its entirety.

10. Section 713.1 is amended to read as follows: "Design of drainage system. The sizing, design and layout of the drainage system shall be designed by a registered engineer using approved design methods."

11. Section 903.1.1 is amended to read as follows: "Open vent pipes that extend through a roof shall terminate not less than 6 inches above the roof."

12. Section 903.2 is amended to read as follows:

903.2 Frost closure. Where the 97.5% value for outdoor design temperature is 7 degrees Fahrenheit or less, vent extensions through a roof or wall shall be not less than 3 inches in diameter. Any increase in the size of the vent shall be made not less than 1 foot inside the thermal envelope of the building.

Section 7. Chapter 13.07 of the Eagle Municipal Code is hereby repealed in its entirety and reenacted as follows:

Section 13.07.010. - Adoption.

The International Fuel Gas Code, 2021 Edition, promulgated by the International Code Council, 500 New Jersey Avenue NW 6th Floor, Washington, DC 20001 (the "IFGC"), is adopted by reference.

Section 13.07.020 - Amendments.

The IFGC is amended as follows:

1. Section 103.1 is amend to read as follows: "The Town of Eagle Building Department is the enforcement agency and the official in charge thereof shall be known as the Building Official."

2. Sections 106.1 and 106.2 are deleted in their entirety.

3. A new Section 401.11 is added to read as follows: "When gas meters are located in an area subject to vehicular or other means of physical damage, as determined by the code official, proper protection approved by the code official shall be provided around the gas meter(s)."

4. Section 404.12.1 is amended to read as follows: "Individual outdoor appliances. Individual lines to outdoor lights, grills and other appliances shall be installed a minimum depth of 12 inches top of pipe below grade."

5. A new Section 409.1.4 is added to read as follows: "Valves in CSST installations. Shutoff valves installed with corrugated stainless steel (CSST) piping systems shall be supported with an approved termination fitting, or equivalent support, suitable for the size of the valves, of adequate strength and quality, and located at intervals so as to prevent or damp out excessive vibration but in no case greater than 12 inches from the center of the valve. Supports shall be installed so as not to interfere with the free expansion and contraction of the system's piping, fittings, and valves between anchors. All valves and supports shall be designed and installed so they will not be disengaged by movement of the supporting piping."

6. Section 621.2 is amended by the addition of the following: "Exception: Existing approved unvented heaters may continue to be used in dwelling units, in accordance with the code provisions in effect when installed, when approved by the Building Official unless an unsafe condition is determined to exist as described in Section 108.7."

Section 8. Sections 13.08.010 and 13.08.020 of the Eagle Municipal Code are hereby repealed in their entirety and reenacted as follows:

13.08.010. - Adoption.

The National Electrical Code, 2020 Edition, promulgated by the National Fire Protection Association, 1 Battery March Park, Quincy, MS 02169 (the "NEC"), is adopted by reference.

Section 13.08.020. - Amendments.

The NEC is amended as follows:

1. Article 210.8 is amended to include the following sentence: "All G.F.C.I. protection shall be resettable in rooms where protection is required including outside receptacles."

2. Article 590.3 is amended to include a new subsection (e) to read as follows: "(e) Permanent services on buildings which are energized for construction work will be considered as temporary service equipment until such time as the final inspection is complete."

3. Article 680.71 is amended to include the following: "All G.F.C.I. protection shall be located within the same room and shall be installed 5 feet off of finished floor and 6 feet from hydro-massage bathtub. The cord shall not exceed 3 feet from motor to receptacle installed near the access door protected by the

resettable G.F.C.I. outlet mounted on wall (the resettable G.F.C.I. shall not be mounted under the tub)."

Section 9. Title 13 of the Eagle Municipal Code is hereby amended by the addition of a new Chapter 13.09, to read as follows:

CHAPTER 13.09. - INTERNATIONAL EXISTING BUILDING CODE

Section 13.09.010. - Adoption.

The International Existing Building Code, 2021 Edition, promulgated by the International Code Council, 500 New Jersey Avenue NW, 6th Floor, Washington, DC 20001 (the "IEBC") is adopted by reference.

Section 13.09.020. - Amendments.

The IEBC is amended as follows:

1. Section 103.1 is amended to read as follows: "The Town of Eagle Building Department is the enforcement agency and the official in charge thereof shall be known as the Building Official."

2. The following definitions in Section 202 are amended to read as follows:

CHANGE OF OCCUPANCY. Any of the following shall be considered as a change of occupancy where the current International Building Code requires a greater degree of safety, accessibility, structural strength, fire protection, means of egress, ventilation or sanitation than is existing in the current building or structure: a change in the occupancy classification of a building or structure; a change in the purpose of or a change in the level of activity within a building or structure; a change of use; a change in the business occupant; a change in the business name; and a change in the business owner. Exception: Individual Office occupancies (excluding medical/dental care occupancies) leased as executive suites (as defined by ordinance) which are not part of a mixed-use occupancy such as office/warehouse and/or there is no change in electric or gas meter accounts.

EXISTING BUILDING. A building, structure, or space, with an approved final inspection issued under a code edition which is at least 2 published code editions preceding the currently adopted building code; a building, structure or space that is undergoing a change of occupancy or use. Components that were illegally installed or improperly installed do not maintain a legal non-conforming status.

EXISTING STRUCTURE. A building, structure, or space, with an approved final inspection issued under a code edition which is at least 2 published code editions preceding the currently adopted building code; a building, structure or space that is undergoing a change of occupancy or use. Components that were illegally installed or improperly installed do not maintain a legal non-conforming status.

WORK AREA. The portions of a building including all reconfigured spaces as indicated on the construction documents and including the entire tenant space or spaces bounded by walls containing the subject work area. If the work area includes a corridor, hallway, or other exit access, then such corridor, hallway, or other exit access shall be included in the work area calculations and shall be protected in its entirety on that particular floor level.

3. Section 406.1 is amended by the addition of the following: "Material. Existing electrical wiring and equipment undergoing repair shall be allowed to be repaired or replaced with like material, in accordance with the requirements of NFPA 70."

4. Section 702.7 is amended to read as follows: "Materials and methods. All new work shall comply with the materials and methods requirements in the IBC, IECC, IMC, NEC, and IPC, as applicable, that specify material standards, detail of installation and connection, joints, penetrations, and continuity of any element, component, or system in the building."

5. Section 705.4 is amended to read as follows: "Reinstallation of materials. Existing slate, clay or cement tile may be permitted for reinstallation provided that all used materials are inspected and approved by a qualified independent Special Inspector approved in advance by the Building Official, except that damaged, cracked or broken slate or tile shall not be reinstalled."

6. Section 802.5.1 is amended to read as follows: "Minimum requirement. Every portion of open-sided walking surfaces, including mezzanines, equipment platforms, aisles, stairs, ramps, and landings that are more than 30 inches above the floor or grade below and is not provided with guards, or those in which the existing guards are judged to be in danger of collapsing, shall be provided with guards."

7. Section 803.1 is amended by the addition of the following: "For purposes of fire sprinkler protection and fire alarm requirements included in this section, the work area shall be extended to include at least the entire tenant space or spaces bounded by walls capable of resisting the passage of smoke containing the subject work area, and if the work area includes a corridor, hallway, or other exit access, then such corridor, hallway, or other exit access shall be protected in its entirety on that particular floor level."

8. Section 804.6.2 is amended by the addition of the following: "Transoms. In all buildings of Group B, E, I-1, I-2, R-1 and R-2 occupancies, all transoms in corridor walls in work areas shall be either glazed with $\frac{1}{4}$ -inch wired glass set in metal frames or other glazing assemblies having a fire protection rating as required for the door and permanently secured in the closed position or sealed with materials consistent with the corridor construction."

9. A new Section 808.2 is added to read as follows: "Plumbing installations. Level 2 alterations shall comply with the adopted IPC."

10. Section 904.1 is amended by the addition of the following: "For the purpose of fire sprinkler protection and fire alarm requirements included in this section, the work area shall be extended to include at least the entire tenant space or spaces bounded by walls containing the subject work area, and if the work area includes a corridor, hallway, or other exit access, then such corridor, hallway, or other exit access shall be protected in its entirety on that particular floor level."

11. Section 1001.3 is amended to read as follows: "Certificate of occupancy. A certificate of occupancy shall be issued where a change of occupancy occurs as defined in the IEBC and by the IBC.

12. The Exception to Section 1009.1 is deleted in its entirety.

Section 13.09.030. - Copies on file and available for sale.

At least one copy of the IEBC, together with one copy of the ordinance from which this Chapter is derived, shall be kept on file in the office of the Town Clerk or the Building Official. Copies of the IEBC shall be available for sale to the public at a moderate price.

Section 13.09.040. - Penalties.

A. Any person who violates any of provision of the IEBC, fails to carry out an order made pursuant to the IEBC, or violates any condition attached to a permit, approval or certificate under the IEBC shall be deemed guilty of a Class A municipal offense. Each separate day, or portion thereof; during which any such violation occurs or continues shall be deemed to constitute a separate offense and, upon conviction thereof, shall be punishable as herein provided. The issuance or granting of a permit or approval of plans and specifications shall not be deemed or construed to be a permit for, and approval of, any violation of any provision of the IEBC. No permit presuming to give authority to violate or cancel the provisions of said Codes shall be valid, except insofar as the work or use, which is authorized, is lawful. Any municipal offense under the IEBC shall be deemed one of strict liability.

B. The imposition of the penalties herein described shall not prevent the Town from instituting the 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.

Section 10. Chapter 13.10 of the Eagle Municipal Code is hereby repealed in its entirety and reenacted as follows:

CHAPTER 13.10 - INTERNATIONAL SWIMMING POOL AND SPA CODE

Section 13.10.010. - Adoption.

The International Swimming Pool and Spa Code, 2021 Edition, promulgated by the International Code Council, 500 New Jersey Avenue NW, 6th Floor, Washington, DC 20001 (the "ISPSC") is adopted by reference.

Section 13.10.020. - Amendments.

The ISPSC is amended as follows:

1. Section 103.1 is amended to read as follows: "The Town of Eagle Building Department is the enforcement agency and the official in charge thereof shall be known as the Building Official."

Section 13.10.030. - Copies on file and available for sale.

At least one copy of the ISPSC, together with one copy of the ordinance from which this Chapter is derived, shall be kept on file in the office of the Town Clerk or the Building Official. Copies of the ISPSC shall be available for sale to the public at a moderate price.

Section 13.10.040. - Penalties.

A. Any person who violates any of provision of the ISPSC, fails to carry out an order made pursuant to the ISPSC, or violates any condition attached to a permit, approval or certificate under the ISPSC shall be deemed guilty of a Class A municipal offense. Each separate day, or portion thereof; during which any such violation occurs or continues shall be deemed to constitute a separate offense and, upon conviction thereof, shall be punishable as herein provided. The issuance or granting of a permit or approval of plans and specifications shall not be deemed or construed to be a permit for, and approval of, any violation of any provision of the ISPSC. No permit presuming to give authority to violate or cancel the provisions of said Codes shall be valid, except insofar as the work or use, which is authorized, is lawful. Any municipal offense under the IEBC shall be deemed one of strict liability.

B. The imposition of the penalties herein described shall not prevent the Town from instituting the 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.

Section 11. Sections 13.11.010 and 13.11.020 of the Eagle Municipal Code are hereby repealed in their entirety and reenacted as follows:

Section 13.11.010. - Adoption.

The International Energy Conservation Code, 2021 Edition, with Appendices CB, CD, CE, RB, RD, and RE, promulgated by the International Code Council, 500 New Jersey Avenue NW 6th Floor, Washington, DC 20001 (the "IECC"), is adopted by reference.

Section 13.11.020. - Amendments.

The IECC is amended as follows:

1. Section C103.2 is amended by the amendment of subsection 6 and the addition of subsections 14, 15, and 16, to read as follows:

6. Mechanical and service water heating systems and equipment types, sizes, fuel source, and efficiencies.

14. Details of additional electric infrastructure, including branch circuits, conduit, or pre-wiring, and panel capacity in compliance with the provisions of this code.

15. Location of pathways for routing of raceways or cable from the solar ready zone to the electrical service panel.

16. Location of designated EVSE spaces, EVSE Universal spaces, EV Ready spaces, and EV Capable spaces in parking facilities.

2. Section C104.2 is amended to read as follows: "A fee for each permit shall be paid as required in accordance with the established fee resolution by Town Council.

3. Section C105.2.5 is amended to read as follows: C105.2.5 Electrical System Inspections shall verify lighting system controls, components, meters, and additional electric infrastructure, as required by the code, approved plans and specifications.

4. Section C202 is amended to add or revise the following definitions:

CHANGE OF OCCUPANCY. Any of the following shall be considered as a change of occupancy: a change in the business occupant; any change in the business name; or a change in the business owner. Exception: Individual Office occupancies (excluding medical/dental care occupancies) leased as executive suites (as defined by ordinance) which are not part of a mixed-use occupancy such as office/warehouse and/or there is no change in electric or gas meter accounts.

COMBUSTION EQUIPMENT: Any equipment or appliances used for space heating, cooling, water heating (including pools and spas), cooking, clothes drying or lighting that uses natural gas, propane, other fuel gas, or fuel oil.

ELECTRIFICATION RETROFIT BID: A contractor bid showing the cost of replacing combustion equipment with an electric heat pump-based system.

MIXED-FUEL BUILDING. A building and building site that contains combustion equipment or plumbing for combustion equipment.

5. Section C401.2.1 is amended by the addition of a new subsection 2 to read as follows:

2. **Total Building Performance.** The Total Building Performance option requires compliance with Section C407 and, for mixed fuel buildings, Section C405.13 and 10 credits from Tables C406.1(1)-C406.1(5).

6. Section C401.2.2 is amended to read as follows: "ASHRAE 90.1. Commercial buildings shall comply with ANSI/ASHRAE/IESNA 90.1 and, for mixed fuel buildings, Section C405.13 and 10 credits from Tables C406.1(1)-C406.1(5)."

7. A new Section C403.13.3, is added to read as follows: "Roof and gutter deicing controls. Roof and gutter deicing systems, including without limitation self-regulating cable, shall include automatic controls configured to shut off the system when the outdoor temperature is above 40°F maximum and shall include one of the following: a moisture sensor configured to shut off the system in the absence of moisture; or programmable timer configured to shut off the system for 8 hours minimum during the day."

8. Exception #1 to Section C404.2.1 is amended to read as follows: "Where not less than 50% of the annual service water heating requirement is provided by on-site renewable energy or site-recovered energy, not including any capacity used for compliance with Section C406 of this code or the Exterior Energy Offset Program, the minimum thermal efficiency requirements of this section shall not apply."

9. A new Section C404.10 is added to read as follows: "Water heating equipment location. Water heaters with combustion equipment shall be located in a space with the following characteristics:

1. Minimum dimensions of 3 feet by 3 feet by 7 feet high.
2. Minimum volume of 760 cubic feet, or the equivalent of one 16-inch by 24-inch grill to a heated space and one 8-inch duct of no more than 10 feet in length for cool exhaust air.
3. Contains a condensate drain that is no more than 2 inches higher than the base of the installed water heater and allows natural draining without pump assistance, installed within 3 feet of the water heater.

Exceptions:

1. Instantaneous water heaters located within 10 feet of the point of use.
2. Water heaters with an input capacity of more than 300,000 Btu/h.

10. Section C405.5.3 is amended to read as follows: "Gas lighting. Gas fired lighting appliances are not permitted."

11. Table C405.12.2 is amended to add a new line at the end:

Table C405.12.2 ENERGY USE CATEGORIES

EV charging	EV charging loads.
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12. A new Section C405.13 is added to read as follows: "Additional electric infrastructure. All combustion equipment shall be provided with a junction box that is connected to an electrical panel by continuous raceways that meet the following requirements:

1. The junction box, raceway, and bus bar in the electric panel and conductors serving the electric panel shall be sized to accommodate electric equipment that is sized to serve the same load as the combustion equipment.
2. The panel shall have reserved physical space for a 3-pole circuit breaker.
3. The junction box and electrical panel directory entry for the dedicated circuit breaker space shall have labels stating "For future electric equipment."
4. The junction box shall allow for the electric equipment to be installed within the same place of the combustion equipment that it replaces.

Exceptions:

1. Warm air furnaces serving spaces that also have space cooling.
2. Water heating equipment with an input capacity more than 300,000 Btu/h.
3. Industrial, manufacturing, laboratory, and high hazard occupancy combustion equipment."

13. The first sentence of Section C406.1 is amended to read as follows: "Additional energy efficiency credit requirements. New all-electric buildings shall achieve a total of 10 credits and new mixed-fuel buildings shall achieve a total of 20 credits from Tables C406.1(1)-C406.1(5) where the table is selected based on the use group of the building and from credit calculations as specified in relevant subsections of C406."

14. Sections C406.7.3 and C406.7.4 in Climate Zone 6B of Table C406.1(2) are amended to read as follows:

TABLE C406.1(2)
ADDITIONAL ENERGY EFFICIENCY CREDITS FOR GROUP R AND I OCCUPANCIES

SECTION	CLIMATE ZONE 6B
C406.7.3: Efficient fossil fuel water heater ^b	3
C406.7.4: Heat pump water heater ^b	9

15. Sections C406.7.3 and C406.7.4 in Climate Zone 6B in Table C406.1(3) are amended to read as follows:

TABLE C406.1(3)
ADDITIONAL ENERGY EFFICIENCY CREDITS FOR GROUP E OCCUPANCIES

SECTION	CLIMATE ZONE 6B
C406.7.3: Efficient fossil fuel water heater ^a	1
C406.7.4: Heat pump water heater ^a	3

a. For schools with showers or full-service kitchens.

16. Sections C406.7.3 and C406.7.4 in Climate Zone 6B in Table C406.1(5) are amended to read as follows:

TABLE C406.1(5)
ADDITIONAL ENERGY EFFICIENCY CREDITS FOR OTHER OCCUPANCIES

SECTION	CLIMATE ZONE 6B
C406.7.3: Efficient fossil fuel water heater ^b	3
C406.7.4: Heat pump water heater ^b	9

a. Other occupancies include all groups except Groups B, E, I, M, and R.

b. For occupancy groups listed in Section 406.7.1

17. Table C407.2 is amended to add the following:

TABLE C407.2
REQUIREMENTS FOR TOTAL BUILDING PERFORMANCE

SECTION	TITLE
Envelope	
C401.3	Thermal envelope certificate
C402.2.4	Slabs-on-grade
C402.2.6	Insulation of radiant heating system

18. A new Section C501.6 is added to read as follows: "Energy audit. An ASHRAE Level II energy audit shall be performed and provided to the code official prior to a permit application for any alteration, addition, or change of occupancy, in order to baseline the efficiency of the existing building and offer opportunities for cost-effective energy upgrades."

19. A new Section C501.7 is added to read as follows: "Thermostatic controls. Alterations, additions, and changes of occupancy that involve replacing or expanding a heating or cooling system shall comply with section C403.4.1 Thermostatic controls."

20. A new Section C501.8 is added to read as follows: "Replacement of electric equipment. Combustion equipment shall not be installed to replace electric equipment."

21. A new Section C503.3.2 is added to read as follows: "Electrification retrofit bid. Where a gas-fired warm-air furnace is replaced with a gas-fired warm-air furnace, or when a unitary air conditioner or condensing unit serving a heated space is replaced with another unitary air conditioner or condensing unit, an Electrification Retrofit Bid is required."

22. A new Section C503.3.4 is added to read as follows: "Mechanical system acceptance testing. Where an alteration requires compliance with Section C403 or any of its subsections, mechanical systems that serve the alteration shall comply with Sections C408.2.2, C408.2.3 and C408.2.5. Exceptions:

1. Mechanical systems and service water heater systems in buildings where the total mechanical equipment capacity is less than 480,000 Btu/h (140.7 kW) cooling capacity and 600,000 Btu/h (175.8 kW) combined service water-heating and space-heating capacity.
2. Systems included in Section C403.5 that serve individual dwelling units and sleeping units.

23. A new Section C503.4.1 is added to read as follows: "Service hot water system acceptance testing. Where an alteration requires compliance with Section C404 or any of its subsections, service hot water systems that serve the alteration shall comply with Sections C408.2.3 and C408.2.5. Exceptions:

1. Service water heater systems in buildings where the total mechanical equipment capacity is less than 600,000 Btu/h (175.8 kW) combined service water-heating and space-heating capacity.
2. Systems included in Section C403.5 that serve individual dwelling units and sleeping units."

24. Section C503.5 is amended by the deletion of the Exception.

25. Appendix CB103.1 is amended as follows: "General. A solar-ready zone shall be located on the roof of all new buildings that are subject to the commercial provisions of the IECC and that are oriented between 110 degrees and 270 degrees of true north or have low-slope roofs. Solar-ready zones shall comply with Sections CB103.2-CB103.9."

26. Appendix CD is added to read as follows:

APPENDIX CD EV READINESS – COMMERCIAL

CD101. Purpose and intent. The purpose and intent of this Appendix CD is to accommodate the growing need for EV charging infrastructure. Including these measures during initial commercial construction substantially reduces the costs and difficulty of installing EV infrastructure at a later date.

CD102. Applicability. This Appendix CD shall apply to all new commercial construction to which the current International Building Code applies.

CD103. Definitions.

AUTOMOBILE PARKING SPACE. A space within a building or private or public parking lot, exclusive of driveways, ramps, columns, office, and work areas, for the parking of an automobile.

DIRECT CURRENT FAST CHARGING (DCFC) EVSE: EV power transfer infrastructure capable of fast charging on a 100A or higher 480VAC three-phase branch circuit. AC power is converted into a controlled DC voltage and current within the EVSE that will then directly charge the EV.

EV LOAD MANAGEMENT SYSTEM: A system designed to allocate charging capacity among multiple EVSE and that complies with the current National Electric Code.

ELECTRIC VEHICLE (EV). An automotive-type vehicle for on-road use, such as passenger automobiles, buses, trucks, vans, neighborhood electric vehicles, and electric motorcycles, primarily powered by an electric motor that draws current from an electric source.

EV SUPPLY EQUIPMENT (EVSE). Equipment for plug-in power transfer including the ungrounded, grounded, and equipment grounding conductors, and the EV connectors, attachment plugs, personal protection system and all other fittings, devices, power outlets or apparatus installed specifically for the purpose of transferring energy between the premises wiring and the EV.

EV SUPPLY EQUIPMENT INSTALLED SPACE (EVSE SPACE). An automobile parking space that is provided with a dedicated EVSE connection.

EV CAPABLE SPACE. A designated automobile parking space that is provided with electrical infrastructure, such as, raceways, cables, electrical capacity, and panelboard or other electrical distribution equipment space, necessary for the future installation of an EVSE.

EV READY SPACE. An automobile parking space that is provided with a branch circuit and a ground fault circuit interrupter (GFCI/GFI) outlet, junction box, or receptacle, that will support an installed EVSE.

UNIVERSAL VEHICLE CHARGING STATION. A charging station installed in a parking space for a minimum vehicle width of 120 inches with 36 inch access aisles on each side.

CD104. EV power transfer infrastructure. New parking facilities shall be provided with EV power transfer infrastructure in compliance with Sections CD104.1-CD104.6, CD105, and CD106.

CD104.1. **Quantity.** The number of required EVSE spaces, EV ready spaces, and EV capable spaces shall be determined in accordance with this Section and Table CD104.1. based on the total number of automobile parking spaces and shall be rounded up to the nearest whole number. For multifamily buildings, the Table requirements shall be based on the total number of dwelling units or the total number of automobile parking spaces, whichever is less.

1. Where more than one parking facility is provided on a building site, the number of required automobile parking spaces required to have EV power transfer infrastructure shall be calculated separately for each parking facility.

2. Where one shared parking facility serves multiple building occupancies, the required number of spaces shall be determined proportionally based on the floor area of each building occupancy.
3. Installed EVSE spaces that exceed the minimum requirements of this section may be used to meet minimum requirements for EV ready spaces and EV capable spaces.
4. Installed EV ready spaces that exceed the minimum requirements of this section may be used to meet minimum requirements for EV capable spaces.
5. Where the number of EV ready spaces allocated for multifamily occupancies is equal to the number of dwelling units or to the number of automobile parking spaces, whichever is less, requirements for EVSE spaces shall not apply.
6. In multifamily complexes that contain multiple buildings, required EV spaces shall be dispersed throughout parking areas so that each building has access to a similar number of spaces per dwelling unit.
7. DCFC. The number of EVSE spaces may be reduced by up to 10 per DCFC EVSE provided that the building includes not less than one parking space equipped with a DCFC EVSE and not less than one EV ready space. A maximum of 50 spaces may be reduced from the total number of EVSE spaces. Exception: Parking facilities, serving occupancies other than multifamily, with fewer than 10 automobile parking spaces.

TABLE CD104.1
REQUIRED EV POWER TRANSFER INFRASTRUCTURE

BUILDING TYPE	MINIMUM EV INSTALLED SPACES	MINIMUM EV READY SPACES	MINIMUM EV CAPABLE SPACES
Multifamily ^a	5%	10%	40%
All Other Commercial	5%	0%	40%

a. Where 100% of parking serving multifamily are EV ready spaces, requirements for EVSE spaces shall not apply.

CD104.2. EV capable spaces. Each EV capable space used to meet the requirements of Section CD104.1 shall comply with all of the following:

1. A continuous raceway or cable assembly shall be installed between an enclosure or outlet located within 3 feet of the EV capable space and a suitable panelboard or other onsite electrical distribution equipment.
2. Installed raceway or cable assembly shall be sized and rated to supply a minimum circuit capacity in accordance with CD104.5
3. The electrical distribution equipment to which the raceway or cable assembly connects shall have sufficient dedicated space and spare electrical capacity for a 2-pole circuit breaker or set of fuses.

4. The electrical enclosure or outlet and the electrical distribution equipment directory shall be marked: "For future electric vehicle supply equipment (EVSE)."
5. Reserved capacity shall be no less than 4.1 kVA (20A 208/240V) for each EV capable space.

CD104.3. EV ready spaces. Each branch circuit serving EV ready spaces used to meet the requirements of Section CD104.1 shall comply with all of the following:

1. Terminate at an outlet or enclosure, located within 3 feet of each EV ready space it serves.
2. Have a minimum circuit capacity in accordance with CD104.5.
3. Branch circuit on the panelboard or other electrical distribution equipment directory designated as "For electric vehicle supply equipment (EVSE)" and the outlet or enclosure marked "For electric vehicle supply equipment (EVSE)."

CD104.4. EVSE spaces. An installed EVSE with multiple output connections shall be permitted to serve multiple EVSE spaces. Each EVSE installed to meet the requirements of Section CD104.1, serving either a single EVSE space or multiple EVSE spaces, shall comply with all of the following:

1. Have a minimum circuit capacity in accordance with CD104.5.
2. Have a minimum charging rate in accordance with CD104.4.1.
3. Be located within 3 feet of each EVSE space it serves.
4. Be installed in accordance with Section CD104.6 and CD104.7.

CD104.4.1. EVSE minimum charging rate. Each installed EVSE shall comply with one of the following:

1. Be capable of charging at a minimum rate of 6.2 kVA (or 30A at 208/240V).
2. When serving multiple EVSE spaces and controlled by an energy management system providing load management, be capable of simultaneously charging each EVSE space at a minimum rate of no less than 3.3 kVA.
3. When serving EVSE spaces allowed to have a minimum circuit capacity of 2.7 kVA in accordance with CD104.5.1 and controlled by an energy management system providing load management, be capable of simultaneously charging each EVSE space at a minimum rate of no less than 2.1 kVA.

CD104.5. Circuit capacity. The capacity of electrical infrastructure serving each EV capable space, EV ready space, and EVSE space shall comply with one of the following:

1. A branch circuit with a rated capacity not less than 8.3 kVA (or 40A at 208/240V) for each EV ready space or EVSE space it serves.
2. The requirements of CD104.5.1.

CD104.5.1. Circuit capacity management. The capacity of each branch circuit serving multiple EVSE spaces, EV ready spaces or EV capable spaces designed to be controlled by an energy management system providing load management in accordance with NFPA 70, shall comply with one of the following:

1. Have a minimum capacity of 4.1 kVA per space.
2. Have a minimum capacity of 2.7 kVA per space when serving EV ready spaces or EVSE spaces for a building site where 100% of the automobile parking spaces are designed to be EV ready or EVSE spaces.

CD104.6. EVSE installation. EVSE shall be installed in accordance with NFPA 70 and shall be listed and labeled in accordance with UL 2202 or UL 2594.

CD104.7. EVSE ENERGY STAR. All EVSE shall be ENERGY STAR certified.

CD105. Universal vehicle charging stations. Where EV charging stations are provided for public use, or where EV charging stations are shared by multiple multifamily dwelling units, the number of universal EV charging stations shall be provided in accordance with Table CD104.1. When multiple stalls are required, access aisles may be shared.

TABLE CD105.1
UNIVERSAL EV SPACE REQUIREMENTS

TOTAL # OF EV CHARGING STATIONS	MINIMUM # OF UNIVERSAL VEHICLE CHARGING STATIONS
1 or more	25%

CD106. Identification. Construction documents shall designate all EV capable spaces, EV ready spaces, and EVSE spaces and indicate the locations of conduit and termination points serving them. The circuit breakers or circuit breaker spaces reserved for the EV capable spaces, EV ready spaces, and EVSE spaces shall be clearly identified in the panel board directory. The conduit for EV capable spaces shall be clearly identified at both the panel board and the termination point at the parking space.

27. Appendix CE is added as follows:

APPENDIX CE
EXTERIOR ENERGY OFFSET PROGRAM

CE101.1. Intent and Purpose. The purpose of the Exterior Energy Offset Program ("EEOP") Chapter is to encourage sustainable, energy efficient, exterior heating solutions that conserve energy and natural resources, as well as, to offset the greenhouse gas impact of exterior energy use in residential and commercial buildings.

CE101.2. Applicability. The standards in this Chapter apply to all new residential buildings and commercial buildings and their exterior energy uses, as defined in the IECC, including snowmelt, spas, pools and outdoor fire pits/fireplaces.

CE101.3. Scope. The scope of this document includes Exterior Energy uses, and energy production to offset exterior energy use. Compliance with this section will be documented via the free Public Domain tool "EEOP Calculation Sheet" in the most current version at the time of permit application. Projected energy use, associated energy offset required, fees and credits are defined within this tool.

CE103.1. Exterior Energy Uses. Residential, Commercial, and Governmental exterior energy uses (per list below) may be installed only if the building project meets the requirements of this Appendix. The completed "EEOP Calculation Sheet" must be submitted along with the subject building permit application. Exception: Mobile Home units that are approved by the Colorado Department of Housing are exempt.

1. Snowmelt (ie: driveways, patios, walkways, or similar surfaces). Exception: Snowmelt systems 200 square feet or less.
2. Exterior pools.
3. Exterior spas. Exception: Exterior spas 64 square feet or less.
4. Outdoor gas fireplaces and firepits.

CE103.2. Snowmelt Systems. All snowmelt systems shall be installed in accordance with the following provisions. The first 200 square feet of snowmelt are exempt from the requirements of this section.

1. The maximum area of snowmelt is capped at 6,000 square feet per parcel.
2. R-15 insulation shall be installed under all areas of snowmelt.
3. Automated controls that have the following capabilities:
 - a. Limit operation to only when moisture is present.
 - b. Limit operation to when outdoor air temperature is between 20 and 40 degrees F.
 - c. Configured to shut the system off when surface temperature is above 50 degrees F.
 - d. Idling shall only be permitted for commercial applications where public safety is shown to be a factor.
4. Snowmelt heating appliances such as, but not limited to, condensing boilers will have a minimum efficiency of 92% AFUE. Electric resistance and heat pump heaters shall be permitted. Where condensing boilers are used, the boiler supply water temperature shall be a maximum of 130 F to allow for efficient boiler operation.

CE103.3. Exterior Pools. All exterior pools shall be installed in accordance with the following provisions.

1. Pool covers are required for all pools, with a minimum R-value of 2.

2. Pool heating appliances shall have a minimum efficiency of 92% AFUE. Electric resistance and heat pump heaters are permitted. Where condensing boilers are used, the boiler supply water temperature shall be a maximum of 130 F to allow for efficient boiler operation.

CE103.4. Exterior Spas. All exterior spas shall be installed in accordance with the following provisions:

1. Spa covers are required for all spas, with a minimum R-value of 12.
2. Spa heating appliances shall have a minimum efficiency of 92% AFUE. Electric resistance and heat pump heaters shall be permitted. Where condensing boilers are used, the boiler supply water temperature shall be a maximum of 130 F to allow for efficient boiler operation.
3. The first 64 square feet of spa, as measured from the perimeter edge, are exempt from this Section.

CE103.5. Credits for Exterior Energy Use. This EEOP payment option is voluntary. Applicants interested in exterior energy use systems can alternatively choose to produce on-site renewable energy or use all-electric energy efficient technology via an air source heat pump or ground source heat pump to earn credit towards their exterior energy use offset. Credits for renewable energy production and high efficiency all-electric heating systems shall be calculated and applied per "EEOP Calculation Sheet" for energy generated and systems installed onsite. Renewable energy methods listed in the calculator include: solar photovoltaic panels, solar thermal arrays, and hydroelectric and wind power. High efficiency heating systems listed in the calculator include: ground source heat pumps (GSHPs), and air source heat pumps (ASHP). Provision for alternative method calculations, including off site renewable energy methods, is also provided, and will require specific review and approval by the Building Official.

CE103.6. Solar Photovoltaic Systems. System designer/installer shall be certified by COSEIA (Colorado Solar Energy Industries Association) or NABCEP, (North American Board of Certified Energy Practitioners), or a licensed Professional Engineer in the State of Colorado.

CE103.7. Solar Hot Water. The size of solar hot water systems is limited to 500 square feet of collector area unless otherwise approved by the Building Official. Systems larger than this limit will be considered, but will require documentation showing year-round utilization of this larger system.

CE103.8. Ground Source Heat Pump. To use a GSHP for on-site renewable credit the GSHP system must supply at least 20% of the peak load for heating the building and all the exterior energy uses. Each ground source heat pump system shall be tested and balanced and the design engineer shall certify in writing that it meets or exceeds a design coefficient of performance of 3.0 inclusive of source pump power. Design conditions for determining COP will be: 30F ground loop temperature measured at the GSHP inlet, and 110F GSHP load side outlet. The ground loop system shall be designed by a CGD (Certified GeoExchange Designer

certified by the Association of Energy Engineers) or a Professional Engineer licensed in the State of Colorado or an IGSHPA (International Ground Source Heat Pump Association) certified designer. The mechanical system must be installed by a certified IGSHPA contractor.

CE103.9. EEOP Fees. The EEOP fees shall be paid at the time of Building Permit. All fees shall be calculated through the "EEOP Calculation Sheet". No refund of fee payment shall be made to an applicant for installation of renewable energy production that exceeds the on-site renewable credits required pursuant to this section.

CE103.10 EEOP Fund Created.

1. Fees collected at Building Permit are placed in the Town's EEOP fund to create financial assistance, rebates, and incentives to promote energy efficient projects elsewhere within the Town.
2. The Town's EEOP Fund will be managed by the Town Manager or designee. Expenditures of EEOP funds shall be used for the following purposes:
 - a. To provide educational materials and outreach for Town residents, businesses, employees and building owners including but not necessarily limited to printed guides, efficient building educational events, a webpage with available resources, links, and information.
 - b. Planning, design and implementation of renewable energy generation projects.
 - c. Providing a community grant and/or rebate program for energy efficiency enhancements or renewable energy generation projects.
 - d. Funding other resources and administrative costs associated with green building and environmental sustainability oriented efforts.
 - e. Special consideration is given to projects that positively affect occupants of local affordable housing or low income residents in the Town.
28. Section R101.1 is amended to read as follows. "This code shall be known as the Energy Conservation Code of The Town of Eagle."
29. Section R202 is amended to add the following definitions in alphabetical order:

ALL-ELECTRIC BUILDING. A building and building site that contains no combustion equipment, or plumbing for combustion equipment, and that uses heat pump technology as the primary supply for heating, cooling, and service water heating loads.

COMBUSTION EQUIPMENT: Any equipment or appliances used for space heating, cooling, water heating (including pools and spas), cooking, clothes drying or lighting that uses natural gas, propane, other fuel gas, or fuel oil.

MIXED-FUEL BUILDING. A building and building site that contains combustion equipment or plumbing for combustion equipment.

30. Section R401.2.5 is amended to read as follows: "Additional energy efficiency. This section establishes additional requirements applicable to all compliance approaches to achieve additional energy efficiency.

1. For buildings complying with Section R401.2.1, the building shall meet one of the following:
 - 1.1. For all-electric buildings, one of the additional efficiency package options shall be installed according to Section R408.2.
 - 1.2. For mixed-fuel buildings, 3 of the additional efficiency packages shall be installed, at least one of which addresses the envelope.
2. For buildings complying with Section R401.2.2, the building shall meet one of the following:
 - 2.1. For all-electric buildings, one of the additional efficiency package options in Section R408.2 shall be installed without including such measures in the proposed design under Section R405.
 - 2.2. For mixed-fuel buildings, 3 of the additional efficiency packages shall be installed, at least one of which addresses the envelope, without including such measures in the proposed design under Section R405.
 - 2.3. For all-electric buildings, the proposed design of the building under Section R405.3 shall have an annual energy cost that is less than or equal to 95% of the annual energy cost of the standard reference design.
 - 2.4. For mixed-fuel buildings, the proposed design of the building under Section R405.3 shall have an annual energy cost that is less than or equal to 80% of the annual energy cost of the standard reference design.
3. For buildings complying with the Energy Rating Index alternative Section R401.2.3, the Energy Rating Index value shall be at least 5% less than the Energy Rating Index target specified in Table R406.5.

The options selected for compliance shall be identified in the certificate required by Section R401.3."

31. Section R401.3 is amended to read as follows: "Certificate. A permanent certificate shall be completed by the builder or other approved party and posted on a wall in the space where the furnace is located, a utility room or an approved location inside the building. Where located on an electrical panel, the certificate shall not cover or obstruct the visibility of the circuit directory label, service disconnect label or other required labels. The certification shall indicate the following:

4. The types, sizes, fuel sources, and efficiencies of heating, cooling and service water heating equipment. Where a gas-fired unvented room

heater, electric furnace or baseboard electric heater is installed in the residence, the certificate shall indicate "gas-fired unvented room heater," "electric furnace" or "baseboard electric heater," as appropriate. An efficiency shall not be indicated for gas-fired unvented room heaters, electric furnaces and electric baseboard heaters.

8. The fuel sources for cooking and clothes drying equipment.
9. Where combustion equipment is installed, the certificate shall indicate information on the installation of additional electric infrastructure including which equipment or appliances include additional electric infrastructure, capacity reserved on the electrical service panel for replacement of each piece of combustion equipment or appliance.
10. Where a solar-ready zone is provided, the certificate shall indicate the location, dimensions, and capacity reserved on the electrical service panel.

32. Section R403.5 is amended to read as follows: "R403.5 Service hot water systems. Energy conservation measures for service hot water systems shall be in accordance with Sections R403.5.1-R403.5.4."

33. Subsection 1 of Section R403.5.2 is amended to read as follows: "Piping located inside the conditioned space, unless completely encapsulated by insulation which serves the cavity or space."

34. A new Section R403.4 is added to read as follows: "Water heater equipment location. Water heaters with combustion equipment shall be located in a space with the following characteristics:

1. Minimum dimensions of 3 feet by 3 feet by 7 feet high.
2. Minimum volume of 760 cubic feet, or the equivalent of one 16-inch by 24-inch grill to a heated space and one 8-inch duct of no more than 10 feet in length for cool exhaust air.
3. Contains a condensate drain that is no more than 2 inches higher than the base of the installed water heater and allows natural draining without pump assistance, installed within 3 feet of the water heater.

Exception: Water heaters with an input capacity of greater than 300,000 Btu/h that serve multiple dwelling units or sleeping units.

35. A new Section R403.10 is added to read as follows: "Roof and gutter deicing controls. Roof and gutter deicing systems, including without limitation self-regulating cable, shall include automatic controls configured to shut off the system when the outdoor temperature is above 40°F (4.8°C) maximum and shall include one of the following:

1. A moisture sensor configured to shut off the system in the absence of moisture, or
2. A programmable timer configured to shut off the system for 8 hours minimum during the day.

36. Section R404.1.1 is amended to read as follows: "Fuel gas lighting. Fuel gas lighting systems are prohibited.

37. A new Section R404.1.4 is added to read as follows: "Additional electric infrastructure. All combustion equipment shall be installed in accordance with Section R403.5.4 and shall be provided with a junction box that is connected to an electrical panel by continuous raceways that meet the following requirements:

1. The junction box, raceway, and bus bar in the electric panel and conductors serving the electric panel shall be sized to accommodate electric equipment that is sized to serve the same load as the *combustion equipment*.
2. The panel shall have reserved physical space for a dual-pole circuit breaker.
3. The junction box and electrical panel directory entry for the dedicated circuit breaker space shall have labels stating: "For future electric equipment."
4. The junction box shall allow for the electric equipment to be installed within the same place as the *combustion equipment* that it replaces.

Exceptions:

1. Fossil fuel space heating equipment where a 208/240-volt electrical circuit with a minimum capacity of 40 amps exists for space cooling equipment.
2. Water heating equipment with an input capacity greater than 300,000 Btu/h that serves multiple dwelling units or sleeping units.

38. A new row is added to Table R405.2 as follows:

TABLE R405.2 REQUIREMENTS FOR TOTAL BUILDING PERFORMANCE

SECTION	TITLE
Mechanical	
R403.5.4	Water heating equipment location
Electrical Power and Lighting Systems	
R404.4	Additional electric infrastructure

39. A new row is added Table R406.2 as follows:

TABLE R406.2 REQUIREMENTS FOR ENERGY RATING INDEX

SECTION	TITLE
Mechanical	
R403.5.4	Water heating equipment
Electrical Power and Lighting Systems	

R404.4	Additional electric infrastructure
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40. Table R406.5 is amended as follows: "ERI-based compliance. Compliance based on an ERI analysis requires that the rated proposed design and confirmed built dwelling be shown to have an ERI less than or equal to the appropriate value for the proposed all-electric or mixed-fuel building as indicated in Table R406.4 when compared to the ERI reference design.

TABLE R406.5 MAXIMUM ENERGY RATING INDEX

CLIMATE ZONE	ALL-ELECTRIC BUILDING	MIXED FUEL BUILDING
6	54	49

41. A new Section R501.7 is added to read as follows: "Energy Audit. A RESNET, Building Performance Institute, or other approved energy audit shall be performed and provided to the code official prior to a permit application for any *addition* or *alteration*, in order to baseline the efficiency of the existing building and offer opportunities for cost-effective energy upgrades. The audit must include a blower door test and a thermographic scan."

42. A new Section R501.8 is added to read as follows: "Programmable thermostat. Alterations, additions, and changes of occupancy that involve replacing or expanding a heating or cooling system shall comply with section R403.1.1."

43. A new Section R501.9 is added to read as follows: "Replacement of electric equipment. Combustion equipment shall not be permitted to be installed to replace electric equipment.

44. A new Section R501.10 is added to read as follows: "Electrification retrofit bid. Where a gas-fired warm-air furnace is replaced with a gas-fired warm-air furnace, or when a unitary air conditioner or condensing unit serving a heated space is replaced with another unitary air conditioner or condensing unit, an Electrification Retrofit Bid shall be obtained and submitted.

45. Section R503.1.4 is amended by the deletion of the Exception.

46. The title of Appendix is amended to read: "Appendix RB Solar Ready Provisions."

47. The first sentence of Appendix RB 103.1 is amended to read as follows: "General. New residential buildings with not less than 600 square feet of roof area oriented between 110 degrees and 270 degrees of true north shall comply with Sections RB103.2-RB103.8."

48. Appendix RD is added as follows:

APPENDIX RD

EV READINESS - RESIDENTIAL

RD101. Purpose and intent. The purpose and intent of this Appendix RD is to accommodate the growing need for EV charging infrastructure, in particular meeting preferences for charging at home. Including these measures during initial construction substantially reduces the costs and difficulty of installing EV infrastructure at a later date.

RD102. Applicability. This Appendix RD shall apply to all new residential construction to which the IRC applies.

RD103. Definitions.

AUTOMOBILE PARKING SPACE. A space within a building or private or public parking lot, exclusive of driveways, ramps, columns, office, and work areas, for the parking of an automobile.

DIRECT CURRENT FAST CHARGING (DCFC) EVSE. EV power transfer infrastructure capable of fast charging on a 100A or higher 480VAC three-phase branch circuit. AC power is converted into a controlled DC voltage and current within the EVSE that will then directly charge the EV.

EV LOAD MANAGEMENT SYSTEM. A system designed to allocate charging capacity among multiple EVSE and that complies with the current National Electric Code.

ELECTRIC VEHICLE (EV). An automotive-type vehicle for on-road use, such as passenger automobiles, buses, trucks, vans, neighborhood electric vehicles, and electric motorcycles, primarily powered by an electric motor that draws current from an electric source.

EV SUPPLY EQUIPMENT (EVSE). Equipment for plug-in power transfer including the ungrounded, grounded, and equipment grounding conductors, and the EV connectors, attachment plugs, personal protection system and all other fittings, devices, power outlets or apparatus installed specifically for the purpose of transferring energy between the premises wiring and the EV.

EV SUPPLY EQUIPMENT INSTALLED SPACE (EVSE space). An automobile parking space that is provided with a dedicated EVSE connection.

EV CAPABLE SPACE. A designated automobile parking space that is provided with electrical infrastructure, such as raceways, cables, electrical capacity, and panelboard or other electrical distribution equipment space, necessary for the future installation of an EVSE.

EV READY SPACE. An automobile parking space that is provided with a branch circuit and receptacle that will support an installed EVSE.

UNIVERSAL VEHICLE CHARGING STATION. A charging station installed in a parking space for a minimum vehicle width of 120 inches with 36 inch access aisles on each side.

RD104. One- and two- family dwellings and townhouses. One EV ready space shall be provided for each dwelling unit. The branch circuit shall be identified as EV ready in the service panel or subpanel directory, and the termination location shall be marked as EV ready. Exceptions:

1. Dwelling units where no parking spaces are either required or provided.
2. ADUs.

RD105. Residential multifamily dwellings, 3-stories or less. New dwelling units for residential multifamily buildings, other than duplexes and townhomes, shall be provided with EV power transfer infrastructure in compliance with Sections RD105.1-RD105.6 and Sections RD106-RD107.

RD105.1. Quantity. The number of required EVSE spaces, EV ready spaces, and EV capable spaces shall be determined in accordance with this Section and Table RD105.1 based on the total number of automobile parking spaces and shall be rounded up to the nearest whole number. For multifamily buildings, the Table requirements shall be based on the total number of dwelling units or the total number of automobile parking spaces, whichever is less.

1. Where more than one parking facility is provided on a building site, the number of required automobile parking spaces required to have EV power transfer infrastructure shall be calculated separately for each parking facility.
2. Installed EVSE spaces that exceed the minimum requirements of this section may be used to meet minimum requirements for EV ready spaces and EV capable spaces.
3. Installed EV ready spaces that exceed the minimum requirements of this section may be used to meet minimum requirements for EV capable spaces.
4. Where the number of EV ready spaces allocated for multifamily occupancies is equal to the number of dwelling units or to the number of automobile parking spaces allocated to multifamily occupancies, whichever is less, requirements for EVSE spaces shall not apply.
5. In multifamily complexes that contain multiple buildings, required EV spaces shall be dispersed throughout parking areas so that each building has access to a similar number of spaces per dwelling unit.

TABLE RD105.1
REQUIRED EV POWER TRANSFER INFRASTRUCTURE FOR MULTIFAMILY

BUILDING TYPE	MINIMUM EV INSTALLED SPACES	MINIMUM EV READY SPACES	MINIMUM EV CAPABLE SPACES
Multifamily	5%	10%	40%

- a. Where 100% of the parking serving multifamily occupancies are EV ready spaces, requirements for EVSE spaces shall not apply.

RD105.2. EV capable spaces. Each EV capable space used to meet the requirements of Section RD105.1 shall comply with all of the following:

1. A continuous raceway or cable assembly shall be installed between an enclosure or outlet located within 3 feet of the EV capable space and a suitable panelboard or other onsite electrical distribution equipment.
2. Installed raceway or cable assembly shall be sized and rated to supply a minimum circuit capacity in accordance with RD105.5
3. The electrical distribution equipment to which the raceway or cable assembly connects shall have sufficient dedicated space and spare electrical capacity for a 2-pole circuit breaker or set of fuses.
4. The electrical enclosure or outlet and the electrical distribution equipment directory shall be marked: "For future electric vehicle supply equipment (EVSE)."
5. Reserved capacity shall be no less than 4.1 kVA (20A 208/240V) for each EV capable space.

RD105.3. EV ready spaces. Each branch circuit serving EV ready spaces used to meet the requirements of Section RD105.1 shall comply with all of the following:

1. Terminate at a receptacle with overcurrent protection and GFCI protection as required by NFPA 70, located within 3 feet of each EV ready space it serves.
2. Have a minimum circuit capacity in accordance with RD105.5.
3. Have a branch circuit on the panelboard or other electrical distribution equipment directory designated as "For electric vehicle supply equipment (EVSE)" and the outlet or enclosure shall be marked "For electric vehicle supply equipment (EVSE)."

RD105.4. EVSE spaces. An installed EVSE with multiple output connections shall be permitted to serve multiple EVSE spaces. Each EVSE installed to meet the requirements of Section RD105.1, serving either a single EVSE space or multiple EVSE spaces, shall comply with all of the following:

1. Have a minimum circuit capacity in accordance with RD105.5.
2. Have a minimum charging rate in accordance with RD105.4.1.
3. Be located within 3 feet of each EVSE space it serves.
4. Be installed in accordance with Section RD105.6 and RD105.7

RD105.4.1. EVSE minimum charging rate. Each installed EVSE shall comply with one of the following:

1. Be capable of charging at a minimum rate of 6.2 kVA (or 30A at 208/240V).
2. When serving multiple EVSE spaces and controlled by an energy management system providing load management, be capable of simultaneously charging each EVSE space at a minimum rate of no less than 3.3 kVA.
3. When serving EVSE spaces allowed to have a minimum circuit capacity of 2.7 kVA in accordance with RD105.5.1 and controlled by an energy

management system providing load management, be capable of simultaneously charging each EVSE space at a minimum rate of no less than 2.1 kVA.

RD105.5. Circuit capacity. The capacity of electrical infrastructure serving each EV capable space, EV ready space, and EVSE space shall comply with one of the following:

1. A branch circuit with a rated capacity not less than 8.3 kVA (or 40A at 208/240V) for each EV ready space or EVSE space it serves.
2. The requirements of RD105.5.1.

RD105.5.1. Circuit capacity management. The capacity of each branch circuit serving multiple EVSE spaces, EV ready spaces or EV capable spaces designed to be controlled by an energy management system providing load management in accordance with NFPA 70, shall comply with one of the following:

1. Have a minimum capacity of 4.1 kVA per space.
2. Have a minimum capacity of 2.7 kVA per space when serving EV ready spaces or EVSE spaces for a building site when 100% of the automobile parking spaces are EV ready or EVSE spaces.

RD105.6. EVSE installation. EVSE shall be installed in accordance with NFPA 70 and shall be listed and labeled in accordance with UL 2202 or UL 2594.

RD105.7. EVSE ENERGY STAR. All EVSE shall be ENERGY STAR certified.

RD106. Universal vehicle charging stations. Where EV charging stations are provided for public use, or where EV charging stations are shared by multiple multifamily dwelling units, the number of universal EV charging stations shall be provided in accordance with Table RD106.1. When multiple stalls are required, access aisles may be shared.

TABLE RD106.1
UNIVERSAL EV SPACE REQUIREMENTS

TOTAL # OF EV CHARGING STATIONS	MINIMUM # OF UNIVERSAL VEHICLE CHARGING STATIONS
1 or more	25%

RD107. Identification. Construction documents shall designate all EV capable spaces, EV ready spaces, and EVSE spaces and indicate the locations of conduit and termination points serving them. The circuit breakers or circuit breaker spaces reserved for the EV capable spaces, EV ready spaces, and EVSE spaces shall be clearly identified in the panel board directory. The conduit for EV capable spaces shall be clearly identified at both the panel board and the termination point at the parking space.

29. Appendix RE is added as follows:

APPENDIX RE
EXTERIOR ENERGY OFFSET PROGRAM

RE101.1 Intent and Purpose. The purpose of the Exterior Energy Offset Program ("EEOP") Chapter is to encourage sustainable, energy efficient, exterior heating solutions that conserve energy and natural resources, as well as, to offset the greenhouse gas impact of exterior energy use in residential and commercial buildings.

RE101.2 Applicability. The standards in this Chapter apply to all new residential buildings and commercial buildings and their exterior energy uses, as defined in the International Energy Conservation Code, including snowmelt, spas, pools and outdoor fire pits/fireplaces.

RE101.3 Scope. The scope of this document includes Exterior Energy uses, and energy production to offset exterior energy use. Compliance with this section will be documented via the free Public Domain tool "EEOP Calculation Sheet" in the most current version at the time of permit application. Projected energy use, associated energy offset required, fees and credits are defined within this tool.

RE103.1. Exterior Energy Uses. Residential, Commercial, and Governmental exterior energy uses (per list below) may be installed only if the building project meets the requirements of this section. The completed "EEOP Calculation Sheet" must be submitted along with the subject building permit application. Exception: Mobile Home units that are approved by the Colorado Department of Housing are exempt.

1. Snowmelt (driveways, patios, walkways, or similar surfaces). Exception: Snowmelt systems 200 square feet or less.
2. Exterior pools.
3. Exterior spas. Exception: Exterior spas 64 square feet or less.
4. Outdoor gas fireplaces and firepits.

RE103.2. Snowmelt Systems. All snowmelt systems shall be installed in accordance with the following provisions:

1. The maximum area of snowmelt is capped at 6,000 square feet per parcel.
2. R-15 insulation shall be installed under all areas of snowmelt.
3. Automated controls that have the following capabilities:
 - a. Limit operation to only when moisture is present.
 - b. Limit operation to when outdoor air temperature is between 20 and 40 degrees F.
 - c. Configured to shut the system off when surface temperature is above 50 degrees F.
 - d. Idling shall only be permitted for commercial applications where public safety is shown to be a factor.
4. Snowmelt heating appliances such as, but not limited to, condensing boilers will have a minimum efficiency of 92% AFUE. Electric resistance and

heat pump heaters shall be permitted. Where condensing boilers are used, the boiler supply water temperature shall be a maximum of 130 F to allow for efficient boiler operation.

5. The first 200 square feet of snowmelt are exempt from this Section.

RE103.3. Exterior Pools. All exterior pools shall comply with the following:

1. Pool covers are required for all pools, with a minimum R-value of 2.
2. Pool heating appliances shall have a minimum efficiency of 92% AFUE. Electric resistance and heat pump heaters shall be permitted. Where condensing boilers are used, the boiler supply water temperature shall be a maximum of 130 F to allow for efficient boiler operation.

RE103.4. Exterior Spas. All exterior spas shall be installed in accordance with the following provisions:

1. Spa covers are required for all spas, with a minimum R-value of 12.
2. Spa heating appliances shall have a minimum efficiency of 92% AFUE. Electric resistance and heat pump heaters shall be permitted. Where condensing boilers are used, the boiler supply water temperature shall be a maximum of 130 F to allow for efficient boiler operation.
3. The first 64 square feet of spa, as measured from the perimeter edge, are exempt from the requirements of this Section.

RE103.5. Credits for Exterior Energy Use. The EEOP payment option is voluntary. Applicants interested in exterior energy use systems can alternatively choose to produce on-site renewable energy or use all-electric energy efficient technology via an air source heat pump or ground source heat pump to earn credit towards their exterior energy use offset. Credits for renewable energy production and high efficiency all-electric heating systems shall be calculated and applied per "EEOP Calculation Sheet" for energy generated and systems installed onsite. Renewable energy methods listed in the calculator include: solar photovoltaic panels, solar thermal arrays, and hydroelectric and wind power. High efficiency heating systems listed in the calculator include: ground source heat pumps (GSHPs), and air source heat pumps (ASHP). Provision for alternative method calculations, including off site renewable energy methods, is also provided, and will require specific review and approval by the Building Official.

RE103.6. Solar Photovoltaic Systems. System designer/installer shall be certified by COSEIA (Colorado Solar Energy Industries Association) or NABCEP, (North American Board of Certified Energy Practitioners), or a licensed Professional Engineer in the State of Colorado.

RE103.7. Solar Hot Water. The size of solar hot water systems is limited to 500 square feet of collector area unless otherwise approved by the Building Official. Systems larger than this limit will be considered, but will require documentation showing year-round utilization of this larger system.

RE103.8. Ground Source Heat Pump. To use a GSHP for on-site renewable credit the GSHP system must supply at least 20% of the peak load for heating the building and all the exterior energy uses. Each ground source heat pump system shall be tested and balanced and the design engineer shall certify in writing that it meets or exceeds a design coefficient of performance of 3.0 inclusive of source pump power. Design conditions for determining COP will be: 30F ground loop temperature measured at the GSHP inlet, and 110F GSHP load side outlet. The ground loop system must be designed by a CGD (Certified GeoExchange Designer certified by the Association of Energy Engineers) or a Professional Engineer licensed in the State of Colorado or an IGSHPA (International Ground Source Heat Pump Association) certified designer. The mechanical system must be installed by a certified IGSHPA contractor.

RE103.9. EEOP Fees. EEOP fees shall be paid at the time of Building Permit. All fees shall be calculated through the "EEOP Calculation Sheet". No refund shall be made to an applicant for installation of renewable energy production that exceeds the on-site renewable credits required by this Section.

RE103.10. EEOP Fund.

1. Fees collected at Building Permit are placed in the Town's EEOP fund to create financial assistance, rebates, and incentives to promote energy efficient projects elsewhere within the Town.

2. The Town's EEOP Fund will be managed by the Town Manager or designee. Expenditures of EEOP funds shall be used for the following purposes:

- a. To provide educational materials and outreach for Town residents, businesses, employees and building owners including without limitation printed guides, efficient building educational events, a webpage with available resources, links, and information.
- b. Planning, design and implementation of renewable energy generation projects.
- c. Providing a community grant or rebate program for energy efficiency enhancements or renewable energy generation projects.
- d. Funding other resources and administrative costs associated with green building and environmental sustainability oriented efforts.
- e. Special consideration is given to projects that positively affect occupants of local affordable housing or low income residents in the Town.

Section 12. Chapter 13.12 of the Eagle Municipal Code is hereby repealed in its entirety and reenacted as follows:

Section 13.12.010. - Adoption.

The International Fire Code, 2021 Edition, with Appendices A, B, C, D, E, F, G, H, I, K, and N, promulgated by the International Code Council, 500 New Jersey Avenue NW, 6th Floor, Washington, DC 20001 (the "IFC") is adopted by reference.

Section 13.12.020. - Amendments.

The IFC is amended as follows:

1. Section 101.1 is amended by the insertion of the GEFPD where indicated.
2. Section 102.4 is amended to read as follows: "The design and construction of new structures shall comply with the IBC and the IFC, and any alterations, additions, changes in use or changes in structures required by this code which are within the scope of the IBC and the IFC shall be made in accordance therewith.
3. Section 104.1 is amended by the addition of the following: "The Building Official shall have the same authority as the Fire Code Official to enforce and render interpretations of this Code. In the case of dispute with regard to new construction or remodel, the Building Official's interpretation shall be final. With regard to maintenance, the Fire Code Official's interpretation shall be final."
4. Section 106.1 is amended to read as follows: "Submittals. Construction documents and supporting data shall be submitted electronically with each application for a permit and in such form and detail as required by the fire code official. The construction documents shall be prepared by a registered design professional where required by the statutes of the jurisdiction in which the project is to be constructed. Exception: The fire code official is authorized to waive the submission of construction documents not required to be prepared by a registered design professional if it is found that the nature of the work applied for is such that review of construction documents is not necessary to obtain compliance with this code. The fire code official is authorized to require a scope of work letter to be submitted at the time of application in lieu of the construction documents."
5. Section 106.3 is amended to read as follows: "Amended construction documents. Work shall be installed in accordance with the approved construction documents, and any changes made during construction that are not in compliance with the approved construction documents shall be approved by the fire code official and shall be submitted in an amended set of as-built construction documents prior to final inspection."
6. Section 107.2 is amended to read as follows: "Schedule of permit fees. The fee for each permit shall be paid as required, in accordance with the schedule as established by the applicable governing authority. The fee for each permit shall be set forth by the GEFPD and reference the Town of Eagle Building Permit Fees where applicable."
7. Section 107.4 is amended to read as follows: "Work commencing before permit issuance. Any person who commences any work, activity, or operation regulated by this code before obtaining the necessary permits shall be subject to an additional investigation penalty established by the authority GEFPD Board of Directors, which shall be in addition to the required permit fees. Such

investigation penalty may be collected whether or not a permit is then or subsequently issued. The minimum investigation penalty shall be 4 times the applicable permit fee. The payment of such investigation penalty shall not exempt any person from compliance with all other provisions of this code nor from any penalty prescribed by law.

8. Section 107.6 is amended to read as follows: "Refunds. The GEFPD shall authorize the refunding of fees upon written request filed by the original permit applicant not later than 180 days after the date of fee payment as follows:

1. The full amount of any fee paid hereunder which was erroneously paid or collected.
2. The full amount of any fee paid hereunder for which the permit has not been processed.
3. Not more than 80% of the total permit fee paid when an application has been processed but is withdrawn or cancelled before any plan review effort has been expended.

9. A new Section 107.7 is added to read as follows: "Permit fees/Plan check fees. Plan check fees for permits required under this code are non-refundable. Minimum plan check fees shall be paid at the time of application. Plan check fees will be assessed according to the fee schedule adopted by the GEFPD Board of Directors. Additional plan check fees may be assessed if the plan review requires more than 4 hours for review. The fire code official shall, at his or her discretion, require additional plan and inspection review by the department's contracted fire protection engineer at the contractor's expense. Additional plan check fees shall be assessed for review of re-submittals in excess of the 4 hours allotted by the original plan check fee. Any additional plan check fees shall be paid prior to issuance of the permit. Permit fees shall be assessed according to the fee schedule adopted by the GEFPD Board of Directors. Permit fees are based on one rough-in inspection for each space in the building and one final inspection for each space in a building. Permit fees shall be paid prior to issuance of the permit. Permit fees are non-refundable once the permit has been issued. After 2 failed inspections on any level (for example, 2 roughs or 2 finals), the contractor shall be assessed additional inspection fees for that inspection level according to the fee schedule adopted by the GEFPD Board of Directors. Re-inspection fees (if applicable) shall be paid prior to requesting final inspection.

10. Section 110.1 is amended to read as follows: "Authority to disconnect service utilities. The fire code official or fire company officer in command of an incident shall have the authority to authorize disconnection of utility service to the building, structure or system to safely execute emergency operations or to eliminate an immediate hazard. The fire code official or fire company officer in command of an incident shall notify the serving utility and, where possible, the owner or owner's authorized agent and the occupant of the building, structure or service system of the decision to disconnect prior to taking such action. If not

notified prior to disconnection, then the owner, owner's authorized agent or occupant of the building, structure or service system shall be notified in writing as soon as practical thereafter.

11. Section 111.1 is amended to read as follows: "Board of appeals established. In order to hear and decide appeals of orders, decisions or determinations made by the fire code official relative to the application and interpretation of this code, there shall be and is hereby created a board of appeals. The board of appeals shall be appointed by the GEFPD Board of Directors pursuant to Section 111.1.1 and shall hold office at its pleasure. The board of appeals shall adopt rules of procedure for conducting its business, and shall render all decisions and findings in writing to the appellant with a duplicate copy to the fire code official.

12. A new Section 111.1.1 is added to read as follows: "Membership of the board of appeals. A board of appeals, consisting of 3 members, shall be appointed by the GEFPD Board of Directors to hear and decide appeals as provided hereunder. The board of appeals shall appoint from its membership a chairman and a secretary who shall keep a written record of all proceeding of the board."

13. Section 111.2 is amended to read as follows: "Limitations on authority. An application for appeal shall be based on a claim that the true intent of this code or the rules legally adopted hereunder have been incorrectly interpreted, the provisions of this code do not fully apply, or an equivalent method of protection or safety is proposed. The board of appeals shall have the authority to hear and decide appeals of orders, decisions or determinations made by the fire code official relative to the application and interpretation of this code. The board of appeals shall not have authority relative to interpretation of the administrative provisions of this code. The board shall not have authority to waive requirements of this code or any resolution adopted by the GEFPD."

14. Section 111.3 is amended to read as follows: "Qualifications. The board of appeals shall consist of members who are a licensed or certified professional engineer, architect, building contractor, superintendent or building construction, building official, fire code official, or other person qualified by experience and training to pass on matters pertaining to hazards of fire, explosions, hazardous conditions, or fire protection systems, and are not employees of the jurisdiction."

15. A new Section 111.5 is added to read as follows: "Fees. Fees for a board of appeals hearing shall be \$100 payable to the GEFPD at time of application."

16. Section 111.6 is amended by the addition of the following: "Time for appeal. An appeal shall be commenced within 10 days from the date of the decision being appealed by filing a written notice of appeal with the secretary of the board of appeals."

17. A new Section 111.10 is added to read as follows: "Appeals of rulings. Any person aggrieved by a decision of the board of appeals shall have the right to appeal therefrom to the GEFPD Board of Directors. Such appeal shall be made within 30 days from the date of the decision of the board of appeals and, in the case of an appeal by the fire code official, the original appellant shall be notified within 5 days from the date of the decision that the fire code official intends to appeal the decision.

111.10.1. Procedure. Appeal of a ruling shall be commenced by filing a written notice of appeal with the administrative assistant to the GEFPD Board of Directors, who shall schedule the appeal for a hearing not later than the second regular meeting following receipt of said notice. The administrative assistant shall notify the secretary of the board of appeals, fire code official, and the appellant in writing of the date, time, and place of the hearing.

111.10.2. Fees. The fee for an appeal of a ruling shall be \$100, payable to the GEFPD at the time of filing a notice of appeal.

111.10.3. Transmission of files. Upon receipt of a notice of appeal, the board of appeals shall transmit the file containing all exhibits, testimony, and evidence not later than 10 days prior to the scheduled hearing.

111.10.4. Hearing. At the hearing, the GEFPD Board of Directors shall examine the file and consider any additional evidence which it deems appropriate. Strict rules of evidence shall not apply, but all additional oral evidence shall be reduced to writing in summary form.

111.10.5. Ruling. Within 10 days of the date of the hearing, the GEFPD Board of Directors shall issue its written ruling affirming, modifying, or reversing the ruling of the board of appeals. Copies of the ruling shall be mailed to the board of appeals, fire code official, and the appellant. The fire code official shall then take whatever action is indicated by the ruling of the GEFPD Board of Directors.

18. In Section 202, the following definitions are amended to read as follows:

NUISANCE ALARM. An alarm caused by the mechanical failure, malfunction, improper installation or lack of proper maintenance, or an alarm activated by a cause that cannot be determined. Fire alarms that require emergency response that are caused by a system not being offline during repair, test, inspection, or maintenance will be considered a nuisance alarm.

CHANGE OF OCCUPANCY. Any of the following shall be considered as a change of occupancy: a change in the business occupant; a change in the business name; or a change in the business owner. Exception: Individual Office occupancies (excluding medical/dental care occupancies) leased as executive suites which are not part of a mixed-use occupancy such as office/warehouse and/or there is no change in electric or gas meter accounts.

19. Section 307.3 is amended to read as follows: "Extinguishment authority. Where open burning creates or adds to a hazardous situation, or a required permit for open burning has not been obtained, the fire code official or fire company officer in command of an incident is authorized to order the extinguishment of the open burning operation."

20. Section 308.2 is amended to read as follows: "Permits required. Permits shall be obtained from the fire code official in accordance with Section 105.5 prior to engaging in the following activities involving open flame, fire and burning:

1. Use of a torch or flame-producing device to remove paint from a structure.
2. Use of open flame, fire or burning in connection with Group A, B, E, F, H, I, R-1, R-2, R-4, S, or U occupancies. Exception: Group R-3 occupancies
3. Use or operation of torches and other devices, machines, or processes liable to start or cause fire in or upon wildfire risk areas

21. Section 403.4.1 is amended to read as follows: "First emergency evacuation drill. The first emergency evacuation drill of each school year shall be conducted within 21 days of the beginning of classes."

22. A new Section 503.6.1 is added to read as follows: "Electrically powered security gates. Electrically powered security gates shall have an approved fire department emergency access key switch in an approved location. Electrically powered gates opened using the fire department key switch shall remain open not less than one minute after opening."

23. A new Section 503.6.2 is added to read as follows: "Electrically powered security gates, fail-safe hinge. Electrically powered security gates shall be equipped with a fail-safe hinge pin that will disable the operating arm. The safety hinge pin shall be accessible without use of a special key or tool."

24. Section 507.2.2 is amended to read as follows: "Water tanks. Water tanks for private fire protection shall be installed in accordance with NFPA 22 and the water supply calculations shall be determined by NFPA 1142."

25. Section 603.4.1 is amended to read as follows: "Labeling. Doors into electrical control panel rooms shall be marked with a plainly visible and legible sign, of contrasting colors (red letters on a white sign, stating ELECTRICAL ROOM or similar approved wording. The disconnecting means for each service, feeder or branch circuit originating on a switchboard or panelboard shall be legibly and durably marked to indicate its purpose unless such purpose is clearly evident."

26. Section 605.8.2 is amended to read as follows: "Spark arrestor. Incinerators shall be equipped with an effective means for arresting sparks. Chimneys used with fireplaces, or heating appliances in which solid fuels are used, shall be maintained with an effective means for arresting sparks."

27. Section 901.2.2 is amended by the addition of the following: "Personnel qualifications. Fire suppression system personnel shall be registered with the

Colorado Division of Fire Prevention and Control as a fire suppression system contractor and qualified and experienced in the installation, inspection, testing, and maintenance of fire sprinkler systems. Qualified personnel shall also meet one of the following requirements:

1. National Institute for Certification in Engineering Technologies (NECET);
 - a. Level II minimum is required for field supervisors.
 - b. Level III minimum is required for system engineering and plans submittals.
2. Factory trained or certified;
3. Journeyman certification program through an organized labor union;
4. Trained and qualified personnel employed by an organization listed by a national testing laboratory for the servicing of fire sprinkler systems; or
5. Completion of apprentice program through an accredited educational program."

28. Section 901.4.2 is amended to read as follows: "Nonrequired fire protection systems. A fire protection system or portion thereof not required by this code or the IBC shall be allowed to be furnished for complete protection provided such installed system meets the applicable requirements of this code and the IBC."

29. Section 901.6.3 is amended to read as follows: "Records. Records of all system inspections, test and maintenance required by the referenced standards shall be maintained and submitted to the fire code official, for record keeping purposes, not later than 30 days after any such system inspections, test or maintenance is performed or conducted."

30. Section 901.11 is amended by the addition of the following: "Response to nuisance alarms. If the GEFPD responds to 2 or more nuisance alarms within a 30 day period, the property owner/agent may be fined by the GEFPD for each offense. Fines shall be as follows:

First offense:	\$0
Second offense:	\$0
Third offense:	\$150
Fourth offense:	\$300
Fifth offense:	\$500

Additional offenses will be billed at the current full cost of personnel and fire equipment for a minimum of a one hour time period. Exception: The property owner/agent can provide documentation that the issue that caused the nuisance alarm is in the process of being repaired."

31. Section 903.2.3 is amended by the deletion of Exception #2.

32. Section 903.2.4.2 is amended to read as follows: "Group F-1 distilled spirits. An automatic sprinkler system shall be provided throughout a Group F-1

fire area used for the manufacture of distilled spirits unless involving not more than 120 gallons of distilled spirits in the fire area at any one time and approved by the Fire Marshal."

33. Section 903.2.8.1 is amended to read as follows: "Group R-3. An automatic fire sprinkler system installed in accordance with Section 903.3.1.3 shall be required, permitted, and installed in Group R-3 occupancies that are supplied by a municipal water supply and constructed more than 5.5 miles of road travel distance from a fire station."

34. Section 903.2.8.1.1 is amended by the addition of the following: "Group R-2. An automatic fire sprinkler system installed in accordance with Section 903.3.1.3 shall be required in buildings that have Group R-2 occupancies and other occupancies under one common roof."

35. Section 903.2.9.1 is amended by the addition of the following: "Repair garages. An automatic fire sprinkler system shall be provided throughout all buildings used as repair garages in accordance with Section 406.8 of the IBC, as shown. Buildings in which repair garages and other occupancy types occupy a building under one common roof."

36. Section 903.2.9.3 is amended to read as follows: "Group S-1 distilled spirits or wine. An automatic sprinkler system shall be provided throughout a Group S-1 fire area used for the bulk storage of distilled spirits or wine unless involving not more than 120 gallons of distilled spirits or wine in the fire area at any one time and approved by the Fire Marshal."

37. Section 903.4.3 is amended by the addition of the following: "Floor control valves. Approved supervised indicating control valves shall be provided at the point of connection to the riser on each floor in high-rise buildings. Floor control valves shall be readily accessible without the use of special key, knowledge or ladder. Locations of floor control valves shall be subject to approval of the fire code official."

38. A new Section 905.2.1 is added to read as follows: "905.2.1 Installation standards – standpipe systems. Class III standpipes may be required to manual wet when required by the fire code official. Standpipes shall be hydraulically separated from fire sprinkler risers. Combination risers are prohibited without express permission of the fire code official."

39. Section 905.3 is amended to read as follows: "Required installations. Standpipe systems shall be installed where required by Sections 905.3.1-905.3.8. Standpipe installations may be required by the fire code official where distances to all portions of the property from fire apparatus exceed 150 feet. Standpipe class shall be determined by the fire code official based on the conditions presented. Exception: Standpipe systems are not required in Group R-3 occupancies."

40. Section 905.3.1 is amended by the deletion of Exception #6.2.
41. Section 907.1.4 is amended by the addition of the following: " Personnel qualifications. Fire suppression system personnel shall be registered with the Colorado Division of Fire Prevention and Control as a fire suppression system contractor and qualified and experienced in the installation, inspection, testing, and maintenance of fire sprinkler systems. Qualified personnel shall also meet one of the following requirements:
 1. National Institute for Certification in Engineering Technologies (NECET);
 - a. Level II minimum is required for field supervisors
 - b. Level III minimum is required for system engineering and plans submittals
 2. Factory trained or certified
 3. Journeyman certification program through an organized labor union;
 4. Trained and qualified personnel employed by an organization listed by a national testing laboratory for the servicing of fire sprinkler systems; or
 5. Completion of apprentice program through an accredited educational program."
42. Section 907.2.1 is amended by the deletion of the Exception.
43. Section 907.2.2 is amended by the deletion of the Exception.
44. Section 907.2.2.1 is amended by the deletion of the Exception.
45. A new Section 907.2.3.1 is added to read as follows: "Automatic smoke detection system. An automatic smoke detection system shall be installed throughout Group E occupancies in accordance with Section 907.5 and Section 907.6. Exception: Group E occupancies with an occupant load of 50 or less."
46. Section 907.2.4 is amended by the deletion of the Exception.
47. Sections 907.2.7 and 907.2.8.1 are amended by the deletion of Exception #2.
48. Section 907.2.9.1 is amended by the deletion of Exceptions #2 and #3.
49. Section 907.2.10 is amended by deleting the Exception.
50. A new Section 907.5.2.1.4 is added to read as follows: "Silencing of alarm notification appliances. Upon the silencing (by the fire department) of a fire alarm system that has been activated, the fire alarm system shall be capable of silencing the audible alarms while still providing visual notification to occupants."
51. Section 907.6.6 is amended by the deletion of Exception #3.
52. Section 914.3.1 is amended by the deletion of the Exception and the addition of the following: "Automatic sprinkler system. Buildings and structures shall be equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1 and a secondary water supply where required by Section

914.3.3. However, with the approval of the fire code official, alternate automatic fire suppression systems may be considered for use in areas where a fire sprinkler system may not be suitable."

53. Section 914.6.1 is amended by the deletion of Exceptions 1-3 and the addition of the following: "Automatic sprinkler system. With the approval of the fire code official, alternate automatic fire suppression systems may be considered for use in areas where a fire sprinkler system may not be suitable. Stages shall be equipped with an automatic sprinkler system in accordance with Section 903.3.1.1. Sprinklers shall be installed under the roof and gridiron and under all catwalks and galleries over the stage. Sprinklers shall be installed in dressing rooms, performer lounges, shops and storerooms accessory to such stages."

Section 14. Chapter 13.14 of the Eagle Municipal Code is hereby amended by the addition of the following new Sections 13.14.080 and 13.14.090:

Section 13.14.080 - Reinspection Fee.

A. Under any of the codes adopted by this Title, a reinspection fee, in the amount established by resolution of the Town Council, may be charged when:

1. The inspection called for is not ready when the inspector arrives;
2. The building address is not clearly posted;
3. Town-approved plans are not on the job site available to the Inspector;
4. The building is locked or work otherwise not available for inspection when called;
5. A correction notice has been issued more than once for the same item(s); or
6. Failure to maintain erosion control, trash control or site disturbance fence protection.

B. Any reinspection fees shall be paid before any additional inspections are made on that job site.

Section 13.14.090 - Refunds

A. The Building Official may authorize the refund of any fee paid under any code adopted by this Title which was erroneously paid or collected.

B. The Building Official may authorize a refund of not more than 80% of the permit fee paid when no work has been performed under an active permit.

C. The Building Official may authorize a refund of not more than 80% of the plan review fee paid if withdrawn or cancelled before any plan review has been performed.

D. Any request for a refund of any fee shall be filed in writing by the original applicant and shall not be more than 180 days after the date of payment.

Section 15. Severability. If any article, section, paragraph, sentence, clause, or phrase of this Ordinance is held to be unconstitutional or invalid for any reason, such decision shall not affect the validity or constitutionality of the remaining portions of this Ordinance. The Town Council hereby declares that it would have passed this Ordinance and each part or parts hereof irrespective of the fact that any one, or part, or parts be declared unconstitutional or invalid.

Section 16. Safety. This Ordinance is deemed necessary for the protection of the public health, safety and welfare.

Section 17. Effective Date. This Ordinance shall take effect on October 9, 2023.

INTRODUCED, READ, PASSED, ADOPTED AND ORDERED PUBLISHED ON
_____, 2023.

TOWN OF EAGLE, COLORADO

Scott Turnipseed, Mayor

ATTEST:

Jenny Rakow, Town Clerk