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Chaffee County Clerk

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**CHAFFEE COUNTY COLORADO
ORDINANCE 2023-02**

TITLE:

AN ORDINANCE ADOPTING THE 2021 INTERNATIONAL BUILDING CODE, 2021 INTERNATIONAL RESIDENTIAL CODE, 2021 INTERNATIONAL FIRE CODE, 2021 INTERNATIONAL FUEL GAS CODE, 2021 INTERNATIONAL MECHANICAL CODE, 2021 INTERNATIONAL PLUMBING CODE, 2021 INTERNATIONAL ENERGY CONSERVATION CODE, 2021 INTERNATIONAL EXISTING BUILDING CODE, 2021 INTERNATIONAL PROPERTY MAINTENANCE CODE, 2021 INTERNATIONAL SWIMMING POOL & SPA CODE, 2021 INTERNATIONAL WILDLAND URBAN INTERFACE CODE, COLORADO MODEL ELECTRIC READY & SOLAR READY CODE AND VARIOUS AMENDMENTS TO SUCH CODES.

- A. C.R.S. § 30-28-201 authorizes the Board of County Commissioners of Chaffee County (the “Board”) to adopt ordinances and a building code consistent with the Uniform Building Code, 1988 edition, as promulgated by the International Conference of Building Officials and as revised from time to time, in all or part of the county, and not embraced within the limits of any incorporated city or town. It further authorizes the Board to adopt and enforce a building energy code that meets or exceeds the standards in the 2003 version of the International Energy Conservation Code.
- B. C.R.S. § 30-28-204 authorizes the Board to alter and amend by resolution any county building code after public hearing, notice of which hearing shall be given by at least one publication in a newspaper of general circulation in Chaffee County (the “County”) at least fourteen days prior to said hearing.
- C. C.R.S. § 30-28-211(3.5)(c)(I) requires a board of county commissioners representing a rural county, to adopt and enforce an energy code that achieves equivalent or better energy performance than one of the last three most recent editions of the International Energy Conservation Code and the Model Electric Ready and Solar Ready Code or an energy code that achieves equivalent or better energy and carbon emissions performance than the Model Low Energy Carbon Code.
- D. C.R.S. § 12-155-106, permits local governments to adopt amendments to the Colorado plumbing code provided such amendments are at least equal to the minimum requirements set forth in the Colorado Plumbing Code. Currently, the 2021 International Plumbing Code has been adopted as the Colorado Plumbing Code.
- E. C.R.S. § 32-1-1002(1) (d) permits the adoption and enforcement of fire codes by the fire protection districts, but provides that no such code shall apply within the County unless the County adopts a resolution stating the code or specific portions of the code shall be applicable within the fire protection district’s boundaries; and
- F. C.R.S. § 30-15-401.5(1) authorizes the Board to adopt ordinances that provide minimum fire safety

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standards which shall be modeled upon those contained in the uniform fire code, including the table of contents, indices, appendices, and tables, as promulgated by the International Conference of Building Officials, the International Fire Code Institute, and the Western Fire Chiefs Association.

G. The Board has adopted the following building/fire codes:

1. 2015 International Building Code with amendments in Exhibit A (adopted via Ordinance 2018-02);
2. 2015 International Residential Code with amendments in Exhibit B (adopted via Ordinance 2018-02);
3. 2015 International Fire Code with amendments in Exhibit C (adopted via Ordinance 2018-02);
4. 2015 International Fuel Gas Code with amendments in Exhibit D (adopted via Ordinance 2018-02);
5. 2015 International Mechanical Code with amendments in Exhibit E (adopted via Ordinance 2018-02);
6. Colorado Plumbing Code with amendments in Exhibit F (the most current edition – after adoption of such new edition by the Colorado State Plumbing Board) (adopted via Ordinance 2018-02);
7. 2006 International Energy Conservation Code with amendments in Exhibit G (adopted via Ordinance 2018-02)
8. 2015 International Existing Building Code with amendments in Exhibit H (adopted via Ordinance 2018-02);
9. 2015 International Property Maintenance Code with amendments in Exhibit I (adopted via Ordinance 2018-02);
10. Re-Adoption of the National Electric Code (the most current edition – each new edition becomes effective 12 months after adoption of such new edition by the Colorado State Electrical Board) (adopted via Ordinance 2018-02);
11. 2015 International Swimming Pool and Spa Code with amendments in Exhibit J (adopted via Ordinance 2018-02);
12. 1997 Uniform Code for the Abatement of Dangerous Building (adopted via Ordinance 2018-02); and
13. Permit Fees schedule set forth in Exhibit K (adopted via Ordinance 2018-02).

H. The Board has not previously adopted the International Wildland Urban Interface Code or the Colorado Model Electric Ready and Solar Ready Code.

- I. The Board has entered into an Intergovernmental Cooperation Agreement Concerning the Administration of Uniform Fire Codes dated March 4, 2008 with the Chaffee County Fire Protection District (“CCFPD”) and the South Arkansas Fire Protection District (“SAFPD”) (originally approved pursuant to Ordinance 2008-01 and referred to below as the “Fire District IGA”). Such Agreement addresses inspections, appeals and violations among other things and continues to be in the best interest of the County.
- J. The Board has made a thorough study of the 2021 International Building Code, 2021 International Residential Code, 2021 International Fire Code, 2021 International Fuel Gas Code, 2021 International Mechanical Code, 2021 International Plumbing Code, 2021 International Energy Conservation Code, 2021 International Existing Building Code, 2021 International Property Maintenance Code, 2021 International Swimming Pool & Spa Code, 2021 International Wildland Urban Interface Code, and Colorado Model Electric Ready and Solar Ready Code, proposed changes to such codes and the permit fee schedule; as well as re-adopting the National Electric Code (the most current edition – each new edition becomes effective 12 months after adoption of such new edition by the Colorado State Electrical Board) and the 1997 Uniform Code for the Abatement of Dangerous Buildings (collectively referred to as the “Proposed Codes”) .
- K. On October 18, 2023, the Chaffee County Board of Review voted unanimously to recommend adoption of the attached amendments to the Proposed Codes. See C.R.S. § 30-28-204.
- L. The SAFPD and the CCFPD have unanimously recommended adoption of the 2021 International Fire Code, with the amendments described below. See C.R.S. §§ 30-15-401.5(2) & (4).
- M. The people of the County have had an opportunity to review the proposed adoption and changes to the Proposed Codes and have had an opportunity to make public comment for or against adoption, re-adoption and/or amendment to the Proposed Codes.
- N. The Board has had an opportunity to review public comments with respect to the adoption, re-adoption and/or amendment to the Proposed Codes, with proposed changes, and finds that publication of notice of the public hearing has been properly published and the requirements have been satisfied with respect to the public hearing.
- O. The Board has determined that it will better promote the health, safety, and welfare of the citizens of and visitors to the County if it adopts and/or readopts the Proposed Codes, with proposed changes, as set forth below.

BE IT ORDAINED BY THE BOARD OF COUNTY COMMISSIONERS OF CHAFFEE COUNTY COLORADO:

1. Adoption of the 2021 International Building Code. The Board hereby amends the County Building Code by adopting Chapters 1 through 35 and Appendix C, G, H and I of the 2021 International Building Code, published by the International Code Council, Inc., 4051 West Flossmoor Road, Country Club Hills, IL 60478 -5795, to have the same force and effect as if set forth herein in every particular; provided however, that such Code be amended by the changes set forth on Exhibit

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- A. The 2015 International Building Code and Amendments to the 2015 International Building Code are hereby repealed.
2. Adoption of the 2021 International Residential Code. The Board hereby amends the County Building Code by adopting Chapters 1 through 44 and Appendix Chapters AA, AB, AC, AG, AH, AJ, AN and AQ of the 2021 International Residential Code, published by the International Code Council, Inc., 4051 West Flossmoor Road, Country Club Hills, IL 60478-5795, to have the same force and effect as if set forth herein in every particular; provided however, that such code be amended by the changes set forth on Exhibit B. The 2015 International Residential Code and Amendments to the 2021 International Residential Code are hereby repealed.
 3. Adoption of the 2021 International Fire Code. The Board hereby amends the County Building Code by adopting Chapters 1 through 80 and Appendices B, C, D, H and I of the 2021 International Fire Code, published by the International Code Council, Inc., 4051 West Flossmoor Road, Country Club Hills, IL 60478-5795, to have the same force and effect as if set forth herein in every particular; provided however, that such code be amended by the changes set forth on Exhibit C. The Fire Code shall apply to all unincorporated areas of Chaffee County, Colorado, and any incorporated town or city which elects by ordinance or resolution to have the provisions thereof apply, and shall only be applicable to commercial or multi-family residential structures not legally in existence at the time of adoption of this code or the reconstruction or alteration of such structure which requires a building permit. The 2015 International Fire Code and Amendments to the 2015 International Fire Code are hereby repealed.
 4. Adoption of the 2021 International Fuel Gas Code. The Board hereby amends the County Building Code by adopting Chapters 1 through 8 and Appendix Chapter A of the 2021 International Fuel Gas Code, published by the International Code Council, Inc., 4051 West Flossmoor Road, Country Club Hills, IL 60478-5795, to have the same force and effect as if set forth herein in every particular; provided however, that such code be amended by the changes set forth on Exhibit D. The 2015 International Fuel Gas Code and Amendments to the 2015 International Fuel Gas Code are hereby repealed.
 5. Adoption of the 2021 International Mechanical Code. The Board hereby amends the County Building Code by adopting Chapters 1 through 15 and Appendix A of the 2021 International Mechanical Code, published by the International Code Council, Inc., 4051 West Flossmoor Road, Country Club Hills, IL 60478-5795, to have the same force and effect as if set forth herein in every particular; provided however, that such code be amended by the changes set forth on Exhibit E. The 2015 International Mechanical Code and Amendments to the 2015 International Mechanical Code are hereby repealed.
 6. Adoption of the 2021 International Plumbing Code. The Board hereby amends the County Building Code by adopting Chapters 1 through 15 and Appendices B, C, and E of the 2021 International Plumbing Code, published by the International Code Council, Inc., 4051 West Flossmoor Road, Country Club Hills, IL 60478-5795, to have the same force and effect as if set forth herein in every particular; provided however, that such code be amended by the changes set forth on Exhibit F. The Colorado Plumbing Code and new editions of the Colorado Plumbing Code effective 12 months after adoption of such new editions by the Colorado Plumbing Board are hereby repealed.
 7. Adoption of the 2021 International Energy Conservation Code. The Board hereby amends the County

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Building Code by adopting Chapters 1 through 6 of the 2021 International Energy Conservation Code, published by the International Code Council, Inc., 4051 West Flossmoor Road, Country Club Hills, IL 60478-5795, to have the same force and effect as if set forth herein in every particular; provided however, that such code be amended by the changes set forth on Exhibit G. The 2006 International Energy Conservation Code and Amendments to the 2006 International Energy Conservation Code are hereby repealed.

8. Adoption of the 2021 International Existing Building Code. The Board hereby amends the County Building Code by adopting Chapters 1 through 16 and Appendix B, of the 2021 International Existing Building Code, published by the International Code Council, Inc., 4051 West Flossmoor Road, Country Club Hills, IL 60478-5798, to have the same force and effect as if set forth herein in every particular; provided however, that such code be amended by the changes set forth on Exhibit H. The 2015 International Existing Building Code and Amendments to the 2015 International Existing Building Code are hereby repealed.
9. Adoption of the 2021 International Property Maintenance Code. The Board hereby amends the County Building Code by adopting Chapters 1 through 8 of the 2021 International Property Maintenance Code, published by the International Code Council, Inc., 4051 West Flossmoor Road, Country Club Hills, IL 60478, to have the same force and effect as if set forth herein in every particular; provided however, that such code be amended by the changes set forth on Exhibit I. The 2015 International Property Maintenance Code and Amendments to the 2015 International Property Maintenance Building Code are hereby repealed.
10. Adoption of the 2021 International Swimming Pool and Spa Code. The Board hereby amends the County Building Code by adopting Chapters 1 through 11 of the 2021 International Swimming Pool and Spa Code, published by the International Code Council, Inc., 4051 West Flossmoor Road, Country Club Hills, IL 60478-5795, to have the same force and effect as if set forth herein in every particular; provided however, that such code be amended by the changes set forth on Exhibit J. The 2015 International Swimming Pool and Spa Code and Amendments to the 2015 International Swimming Pool and Spa Code are hereby repealed.
11. Adoption of the 2021 International Wildland-Urban Interface Code. The Board hereby adopts Chapter 1 through 7 and Appendix A of the 2021 International Wildland-Urban Interface Code, published by the International Code Council, Inc., 4051 West Flossmoor Road, Country Club Hills, IL 60478-5795, to have the same force and effect as if set forth herein in every particular; provided however, that such code be amended by the changes set forth on Exhibit K.
12. Adoption of the 2021 Colorado Model Electric Ready Code. The Board hereby adopts the 2023 Colorado Model Electric Ready and Solar Ready Code published by the Colorado Department of Local Affairs, to have the same force and effect as if set forth herein in every particular.
13. Re-adoption of the National Electrical Code. The Board hereby adopts the most current edition of the National Electrical Code which has been adopted by the Colorado State Electrical Board, published by the National Fire Protection Association, Inc., 1 Batterymarch Park, Quincy, MA 02169-7471, to have the same force and effect as if set forth herein in every particular. New editions of the National Electrical Code shall become effective 12 months after adoption of such new edition by the Colorado State Electrical Board. Any previously adopted amendments to the National Electrical

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Code are hereby repealed.

14. Re-adoption of the 1997 Uniform Code For The Abatement of Dangerous Buildings. The Board hereby re-adopts Chapters 1 through 9 of the 1997 Uniform Code For the Abatement of Dangerous Buildings, published by the International Conference of Building Officials, 5360 Workman Mill Road, Whittier, CA 90601-2298, to have the same force and effect as if set forth herein in every particular.
13. Permit Fees. The Board hereby adopts the fee schedule set forth in Exhibit L. The Board retains the authority to amend any and all fees from time to time by Resolution.
14. Minimum Footing and Foundation Requirements. The Board hereby adopts the Minimum Footing/Foundation Requirements set forth in Exhibit M.
15. Snow Load Zones. The Board hereby adopts the Snow Load Zones set forth in Exhibit N.
16. Outside Review. If the County does not have qualified staff to review certain elements of any permit application, the County Building Safety Department ("Building Department") may authorize the review be performed by an outside consultant. The applicant shall be responsible for the actual costs of such review. At the time of determining the need for a consultant, the Building Department shall determine the estimated costs of such review and require a deposit in an amount necessary to cover the estimated costs (including County staff time and expenses) incurred in the review and consideration of the permit application, and shall notify the applicant in writing of such fee and the estimated amount of such permit fee. The review fee may be increased at any time if it is determined by the Building Department that the fee is not sufficient to cover all costs associated with the application. If the actual costs exceed the estimated amount, the applicant shall pay the difference within five (5) working days. The Building Department will take no action or will suspend further action on the application until all fees and expenses related to the application review process have been paid. Any portion of the plan review fee submitted by the applicant which is not necessary to cover the cost of processing the application will be reimbursed to the applicant.
17. Code Copies. Copies of the above-referenced Codes, certified to be true copies, have been and are now on file in the office of the Building Department and may be inspected by any person interested during normal business hours. The Codes as finally adopted shall be available for sale to the public through the Building Department at a moderate price not to exceed the cost of printing the same. Such Codes, along with the above-referenced exhibits, are incorporated into this Ordinance by reference.
18. Inspection and Supervision. It shall be unlawful to erect, construct, reconstruct, alter, or change the use of any building or other structure within the unincorporated portions of the County in violation of the applicable Code set forth above. The Chief Building Official, appointed by the Board, and his/her designees shall have the duty to enforce all provisions of the above Codes, as well as to receive applications required by these Codes, issue permits and furnish the prescribed certificate, to examine the premises for which permits have been issued and to make necessary inspections to see that the provisions of law are complied with and that construction is practiced safely. The Chief Building Official and his/her designees are hereby granted the authority to enter on all premises within the County for the purposes of carrying out their duties as building officials. Following closure of a permit by issuance of a certificate of occupancy, or expiration or termination of such permit, the appropriate Fire Protection District shall have the duty and responsibility to perform any required

inspections of the properties and enforce the Fire Code. Each Fire Protection District will be permitted to adopt fee schedules to conduct fire inspections for property tax exempt entities. The County Building Official and authorized Fire District Code Officials are hereby granted the authority to enter on all premises within the unincorporated portions of the County for the purpose of carrying out the duties and responsibilities associated with enforcement of the Fire Code.

19. Building Permit Review Process and IGA. The County, the CCFPD, and the SAFPD have developed a process for review of building permit applications set forth in the Fire District IGA. Such IGA is hereby re-approved and ratified.
20. Modification and Forms. The Chief Building Official shall have the power to modify any of the provisions of the Codes hereby adopted upon application in writing by the owner or lessee or his duly authorized agent when there are practical difficulties in the way of carrying out the strict letter of the Codes, provided that the spirit of the Codes shall be observed, public safety secured, and substantial justice done. The particulars of such modification when granted or allowed and the decision of the Chief Building Official shall be entered upon the Building Department's records and a signed copy shall be furnished to the applicant. Following issuance of a certificate of occupancy, the Fire Districts shall have the power to modify the codes in the manner described above. The Chief Building Official is authorized to adopt any forms or documents as necessary to implement the provisions of the adopted Codes.
21. Appeals. All disputes related to the adopted Codes, whether during building permit review, construction inspection, or following issuance of a certificate of occupancy, shall be heard by the Chaffee County Board of Review, as further described in the Fire District IGA with respect to the Fire Code. Whenever the Building Department disapproves an application, refuses to permit or furnish a prescribed permit, or if there is a dispute on the interpretation of the Codes, or when it is claimed that the provisions of these Codes do not apply, or that the true intent and meaning of the Codes have been misconstrued or wrongly interpreted, the applicant, the applicable Fire District, or the County may appeal such matter to the Chaffee County Board of Review.
22. Violations. Code violations may be remedied as provided by ordinance, resolution, or Colorado statutes. Without limiting the foregoing, the penalty provisions of C.R.S. §§ 30-15-402, 30-28-209, and 30-28-210 are hereby adopted by reference.
23. Safety. The adoption of this Ordinance is in the best interest, safety and welfare of the citizens of and visitors to the County and is necessary for the immediate preservation of public health, safety, and welfare.
24. Severability. All provisions of this Ordinance are intended to be severable. If a court or administrative body declares any provision or its application to be invalid or unenforceable, in whole or in part, such determination shall not affect, impair or invalidate any other provision of this Ordinance. If a court or administrative body determines a provision or its application to be valid or enforceable only if its application is limited, its application shall be limited as required to most fully implement its purpose.
25. Repealer. Ordinance Nos. 2007-01, 2008-01 and 2018-02 and Resolution Nos. 2002-09, 2004-62, 2005-28, 2006-18, 2007-52, 2010-22, 2011-38, 2011-43, 2012-34, 2012-38, 2015-11 and 2017-34 are

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hereby repealed in full. In addition to the resolutions and portions of resolutions specifically repealed by this Ordinance, all resolutions or ordinances, or parts thereof, in conflict with this Ordinance are hereby repealed, provided that this repealer shall not repeal the repealer clauses of such resolution or ordinance nor revive any resolution thereby.

26. Effective Date. This Resolution shall be in full force and effect beginning March 1, 2024.

ADOPTED AND APPROVED by the Chaffee County Board of County Commissioners on December 12th, 2023.

BOARD OF COUNTY COMMISSIONERS

DocuSigned by:

Keith Baker

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Keith Baker, Chairman

The vote on the above Ordinance was as follows:

Commissioner Keith Baker	<u>Yes</u>
Commissioner Greg Felt	<u>Yes</u>
Commissioner P.T. Wood	<u>Yes</u>

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STATE OF COLORADO, CHAFFEE COUNTY
ATTEST:

The above is a true and correct record of Ordinance 2023-02 duly adopted by the Chaffee County Board of County Commissioners by a 3-0 vote at a regular meeting, properly noticed and held on December 12, 2023 at least ten days following introduction and reading of the proposed ordinance on November 21, 2023, and publication of the proposed ordinance in *The Chaffee County Times* on November 30, 2023 and in *The Mountain Mail* on December 1, 2023.

Lori Mitchell by
Natalie Luester, Chief Deputy Clerk
Chaffee County Clerk

Notice of Adopted Ordinance Published in *The Chaffee County Times* on December 28, 2023 and *The Mountain Mail* on December 29, 2023.



The text in black identifies code amendments that were passed with the adoption of the 2015 series of I codes. We are proposing to continue with these code amendments with this current adoption. The text that is underlined are new proposed amendments for the 2021 series of I codes.

Exhibit A to Ordinance 2023-01

Amendments to the 2021 International Building Code

Adopted by reference as if set out in length in the "International Building Code, 2021 Edition," Chapters 1 – 35 including Appendix Chapters C, G, H and I as published by the International Code Council Inc., 4051 West Flossmoor Road, Country Club Hills, IL, 60478-5795. The following amendments are made to the International Building Code, 2021 Edition:

CHAPTER 1 SCOPE AND ADMINISTRATION

SECTION 101 SCOPE AND GENERAL REQUIREMENTS

[A] 101.1 Title.

[Amend this subsection to read as follows:]

These regulations shall be known as the *Building Code* of Chaffee County, Colorado, hereinafter referred to as "this code."

[A] 101.4.3 Plumbing.

[Delete:] "*International Private Sewage Disposal Code*" and replace with "*Chaffee County On-Site Wastewater Treatment System Regulations*."

SECTION 103 CODE COMPLIANCE AGENCY

[A] 103.1 Creation of enforcement agency.

[Add to section:] "*Chaffee County Building Safety Department*"

SECTION 105 PERMITS

[A] 105.1.1 Annual Permit.

[Delete this subsection in its entirety.]

[A] 105.1.2 Annual Records.

[Delete this subsection in its entirety.]

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[A] 105.2 Work exempt from permits.

Building:

[Delete in entirety and replace with:]

1. "One-story detached accessory structures used as tool sheds, storage sheds, playhouses and similar uses, provided the floor area does not exceed 120 square feet. Such structures shall not be used as habitable spaces, sleeping rooms or for vehicle storage. Structures that have a roof overhang greater than 24", measured on a horizontal plane from the exterior wall, shall be subject to permitting.

Any electrical, mechanical or plumbing work performed on such structures shall require permitting and inspection."

[Add to the beginning of this exception:]

5. "Other than cisterns for fire and domestic water supply tanks..."

SECTION 107

CONSTRUCTION DOCUMENTS

[A] 107.2.1 Information on construction documents.

[Add:] "Plans shall also include location of utilities, private well and wastewater sites, ditches, rivers, lakes, drainages, slopes greater than 30%, accesses and road grades at access to Rights-of-way."

SECTION 113

MEANS OF APPEAL

[A] 113.1 General.

All references to the Board of Appeals shall be amended to read the Board of Review, as appointed by the Chaffee County Board of County Commissioners.

**CHAPTER 2
DEFINITIONS**

SECTION 202

DEFINITIONS

[Add the following:]

BEDROOM. See Sleeping room.

SLEEPING ROOM. A sleeping room or bedroom herein is defined as a habitable space, which may be used for sleeping which contains a closet 16 inches or greater in depth, an emergency escape and rescue opening and a smoke alarm.

CHAPTER 3
OCCUPANCY CLASSIFICATION AND USE

SECTION 310
RESIDENTIAL GROUP R

[A] 310.4 Residential Group R-3. Residential Group R-3 occupancies where the occupants are primarily permanent in nature and not classified as Group R-1, R-2, R-4 or I including:

Change to *"Buildings that do not contain more than four dwelling units."*

(All other text in this section to remain unchanged.)

CHAPTER 5
GENERAL BUILDING HEIGHTS AND AREAS

SECTION 502
BUILDING ADDRESS

[F] 502.1 Address identification.

[Delete this subsection in its entirety and amend to read as follows:]

All buildings, new and existing (when required) shall be provided with an approved permanent address identification. The address identification shall be legible and placed in a position that is visible from the street or road fronting the property. Address signage placed at the roadway, street or driveway shall be placed a minimum of thirty (30) inches above the grade. Address identification characters shall contrast with their background and be reflective. Address numbers shall be Arabic numbers or alphabetical letters. Numbers shall not be spelled out. Each character shall be not less than 4 inches in height with a stroke width of not less than ½ inch. Where required by the code official, address identification shall be provided in additional approved locations to facilitate emergency response. Where access is by means of a private road and the building address cannot be viewed from the public way, a monument, pole or other sign shall be used to identify the structure. Address identification shall be posted at the start of construction (prior to the first required inspection.) The permanent address identification shall be completed and installed prior to the final building inspection and shall thereafter be maintained by the property owner.

Exception:

1. Alteration of the character height and stroke width requirements may be approved by the Fire Protection District having jurisdiction authority.

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**CHAPTER 9
FIRE PROTECTION AND LIFE SAFETY SYSTEMS**

**SECTION 903
AUTOMATIC SPRINKLER SYSTEMS**

[F] **903.2.8 Group R.** An *automatic sprinkler system* installed in accordance with Section 903.3 shall be provided throughout all buildings with a Group R *fire area*.

[Add:] **"Exception: Group R-3 portions of buildings not more than 3 stories above grade plane and not required to be provided with an automatic sprinkler system by other sections of this code."**

(All other text in this section to remain unchanged.)

**CHAPTER 15
ROOF ASSEMBLIES AND ROOFTOP STRUCTURES**

**SECTION 1503
WEATHER PROTECTION**

[Add new subsection to read as follows:]

1503.2.2 Penetrations.

Roof jacks, vents and similar roof penetrations shall not be located less than 24 inches from the center of a valley to the closest edge of the penetration.

**CHAPTER 16
STRUCTURAL DESIGN**

**SECTION 1604
GENERAL DESIGN REQUIREMENTS**

1604.1 General.

[Amend to read as follows:]

Commercial building structures and all portions thereof shall be designed by a Colorado Licensed Architect or Engineer. This shall include without limitation: soils, footings, foundations, structural building design, calculations, loads, energy, electrical, mechanical, plumbing and elevators. All plan submittals, as identified above, shall bear the stamp and signature of the appropriate Colorado Licensed Architect or Engineer, except as provided in Article 27 of the National Electric Code. The Building Official may waive these requirements when in accordance with Colorado State statutes.

**SECTION 1608
SNOW LOADS**

1608.1 General.

[Add:] **" , but in no case shall they be permitted to be reduced to less than 35 pounds per square foot."**

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1608.2 Ground snow loads.

[Amend to read as follows:]

The ground snow loads to be used in determining the design snow loads for roofs shall be determined in accordance with Figure 1608.2(1), the Chaffee County Snow Load Zones Map and the Elevation and Snow Load Zone Table. Ground snow loads for sites at elevations above the limits indicated in Figure 1608.2(1) and for all sites within the CS areas shall be determined from the Chaffee County Snow Load Zones Map and the Elevation and Snow Load Zone Table. Design snow loads may be reduced in accordance with ASCE 7, but in no case shall they be permitted to be reduced to less than 35 pounds per square foot.

1609.3. Basic design wind speed. [Replace this section to read:]

"The basic design wind speed, V , in mph, within the entirety of Chaffee County, Colorado, shall be 115 miles per hour (ultimate design wind speed.)"

1809.5 Frost protection. Except where otherwise protected from frost, foundations and other permanent supports of buildings or structures shall be protected from frost by one or more of the following methods:

1. [Delete in its entirety and replace with:]

1. Extending a minimum of 24 inches below finished grade for locations up to 8,000 feet of elevation above sea level, a minimum of 30 inches below finished grade for locations with an elevation between 8,001 – 10,000 feet above sea level and 36 inches below finished grade for locations with an elevation of greater than 10,000 feet above sea level.

(All other text in this section to remain unchanged.)

**CHAPTER 27
ELECTRICAL**

**SECTION 2701
GENERAL**

2701.1 Scope.

[Delete subsection in its entirety and replace to read as follows:]

The provisions of the National Electric Code (NEC), adopted by the State of Colorado and the Chaffee County Board of County Commissioners, shall apply to the installation of electrical systems, including without limitation: alterations, repairs, replacement, equipment, appliances, fixtures, fittings and appurtenances thereto.

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CHAPTER 29 PLUMBING SYSTEMS

SECTION 2901 GENERAL

[P] 2901.1 Scope.

[Delete:]

"International Private Sewage Disposal Code" and replace with *"Chaffee County On-Site Wastewater Treatment Regulations."*

CHAPTER 33 SAFEGUARDS DURING CONSTRUCTION

SECTION 3303 DEMOLITION

3303.1 Construction documents.

[Add to end of subsection to read as follows:]

It shall be the responsibility of the owner, owner's authorized agent, permit applicant or contractor to comply with State of Colorado regulations with regard to demolition and the removal of asbestos or lead based paint. A permit for demolition and/or asbestos remediation is required to be issued prior to the start of demolition or remediation.

CHAPTER 35 REFERENCED STANDARDS

Referenced Standards.

Delete references to *"IPSDC-21 International Private Sewage Disposal Code"*.

Exhibit B to Ordinance 2023-01

Amendments to the 2021 International Residential Code

Adopted by reference as if set out in length in the "International Residential Code, 2021 Edition", Chapters 1 – 44 including Appendix Chapters AA, AB, AC, AG, AH, AJ, AN and AQ as published by the International Code Council Inc., 4501 West Flossmoor Road, Country Club Hills, IL, 60478-5795. The following amendments are made to the International Residential Code, 2021 Edition:

**CHAPTER 1
SCOPE AND ADMINISTRATION**

SECTION R101

SCOPE AND GENERAL REQUIREMENTS

R101.1 Title. [Amend this subsection to read as follows:]

These provisions shall be known as the *Residential Code for One- and Two-Family Dwellings and Townhouses not more than three (3) stories in height above grade plane with a separate means of egress and their accessory structures of Chaffee County, Colorado*, and shall be cited as such and will be referred to herein as "this code."

SECTION R102

APPLICABILITY

R102.4.1 Conflicts.

[Delete subsection in its entirety and amend to read as follows:]

When conflicts occur between provisions of this code and referenced codes and standards, the provisions of the most current version of the National Electric Code (NEC), as adopted by the Chaffee County Board of County Commissioners, shall apply. The National Electric Code shall apply to the installation of electrical systems, including without limitation: alterations, repairs, replacement, equipment, appliances, fixtures, fittings and appurtenances thereto and reference the most current version of the National Electric Code (NEC), as adopted by the Chaffee County Board of County Commissioners.

SECTION R105

PERMITS

R105.2 Work exempt from permit.

[Delete #1 & replace with the following and add #11.:]

1. "One-story detached accessory structures used as tool sheds, storage sheds, playhouses and similar uses, provided the floor area does not exceed 200 square feet. Such structures shall not be used as habitable spaces, sleeping rooms or for vehicle storage. Structures that have a roof overhang greater than 24", measured on a horizontal plane from the exterior wall, shall be subject to permitting.

Any electrical, mechanical or plumbing work performed on such structures shall require permitting and inspection."

#11. "Temporary membrane structures such as canopies or tents used for residential events."

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SECTION R108

FEES

R108.5 Refunds.

[Delete entire section & add:]

The building official may authorize the refunding of any fee paid hereunder which was erroneously paid or collected. The building official may authorize the refunding of not more than 80% of the permit fee paid when no work has been done under a permit issued in accordance with the code. The building official may authorize refunding of not more than 80% of the plan review fee paid when an application for a permit for which a plan review fee has been paid is withdrawn or cancelled before any plan review has been done. The building official shall not authorize refunding of any fee paid except on written application filed by the original permittee not later than 180 days after the date of the fee payment.

SECTION R109

INSPECTIONS

R109 Inspections.

[Add new subsections R109.1.1.1 Damp proofing and R109.1.1.2 Foundation drainage:]

R109.1.1.1 Damp proofing.

All required damp proofing shall be inspected prior to backfill and shall remain exposed and uncovered until inspection approval is received.

R109.1.1.2 Foundation drains.

All required foundation drains shall be inspected prior to backfill and shall remain exposed and uncovered until inspection approval is received.

SECTION R112

BOARD OF APPEALS

R112.1 General.

All references to the Board of Appeals shall be changed to read the Board of Review as appointed by the Chaffee County Board of County Commissioners.

CHAPTER 2
DEFINITIONS

SECTION R202
DEFINITIONS

[Add the following:]

BEDROOM. See Sleeping Room.

SLEEPING ROOM. A sleeping room or bedroom herein is defined as a habitable space, which may be used for sleeping which contains a closet 16 inches or greater in depth, an emergency escape and rescue opening and a smoke alarm.

TINY HOME. A *dwelling* that is permanently constructed on a vehicle chassis, is designed for long-term residency, includes electrical, mechanical or plumbing services that are fabricated, formed or assembled at a location other than the site of the completed home, is not self-propelled and that is 400 square feet or less in floor area excluding *lofts*. A Tiny Home may be installed on a temporary or permanent foundation.

TINY HOUSE. A *dwelling* that is 400 square feet or less in floor area excluding *lofts*. A Tiny House may only be installed on a permanent foundation.

CHAPTER 3
BUILDING PLANNING

SECTION R301
BUILDING PLANNING

Table R301.2(1)

Climatic and Geographic Design Criteria.

[Shall be amended to read:]

Ground Snow Load: In accordance with Snow Load Map and Elevation/Zone Table

Wind Speed: 115 mph (ultimate design wind speed)

Topographic Effects: No

Special Wind Region: No

Wind-borne Debris Zone: No

Seismic Design Category: C unless geotechnical study indicates otherwise

Weathering: Severe

Frost Line Depth:

0 feet to 8,000 feet above sea level – 24" below finished grade

8,001 feet to 10,000 feet above sea level – 30" below finished grade

10,001 feet and above – 36" below finished grade

Termite: None to slight

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Ice Barrier Underlayment Required: Yes, per 2021 International Residential Code R905.1.2
Flood Hazards: Entered NFI Program 02/10/87 through Resolution 1987-7, Flood Insurance Study
Dated 03/04/87, Panel Numbers all begin with 08015C and are followed by; 0025, 0075, 0100,
0150, 0200, 0300, 0304, 0307, 0308, 0309, 0315, 0328, 0330, 0335, 0340, 0425, 0428, 0429,
0430, 0435, 0445, 0455, 0460, 0465, 0470, 0541, 0542, 0555, 0560, 0562, 0566, 0568, 0568,
0580, 0585, 0588, 0589, 0591, 0592, 0593, 0594, 0611, 0613, 0615, 0625, 0660, 0677, 0680 all
followed by suffix D (48 panels plus index)
Air Freezing Index: 1,500
Mean Annual Temp: 40 ° F.

Manual J Design Criteria

Elevation: 7300

Latitude: 38°

Altitude Correction Factor:

8,000 ft. – 0.75

9,000 ft. – 0.72

10,000 ft. – 0.69

12,000 ft. – 0.63

Daily Range: H

Coincident Wet Bulb: 55° F.

Indoor Summer Design Relative Humidity: 45%

Indoor Winter Design Dry-bulb Temperature: 70° F.

Summer Design Gains: 2 BTUH/Hr./SF or 0.5W/SF

Indoor Summer Design Dry-bulb Temperature: 75° F.

Outdoor Winter Design Dry-bulb Temperature: -10° F.

Outdoor Summer Design Dry-bulb Temperature: 90° F.

Heating Temperature Difference: 80° F.

Cooling Temperature Difference: 15° F.

SECTION R302

FIRE-RESISTANT CONSTRUCTION

R302.13 Fire Protection of Floors.

[Delete subsection in its entirety.]

SECTION R313

AUTOMATIC FIRE SPRINKLER SYSTEMS

R313.1 Townhouse automatic fire sprinkler systems.

[Delete in its entirety.]

R313.2 One and two-family dwellings automatic sprinkler systems.

[Delete in its entirety.]

SECTION R315

CARBON MONOXIDE ALARMS

R315.3 Location.

[Amend this subsection to read as follows:]

Carbon monoxide alarms in dwelling units shall be installed outside of each separate sleeping room or area, within 15 feet of the entrance to each sleeping room or area. Alarms shall be installed in dwelling units which contain fuel-fired appliances and in dwelling units with an attached garage that has an opening that communicates with the dwelling unit. Where a fuel-burning appliance is located within a bedroom or its attached bathroom, a carbon monoxide alarm shall be installed within the bedroom.

SECTION 319

SITE ADDRESS

R319.1 Address identification.

[Delete subsection in its entirety and amend to read as follows:]

All buildings, new and existing (when required) shall be provided with an approved permanent address identification. The address identification shall be legible and placed in a position that is visible from the street or road fronting the property. Address signage placed at the roadway, street or driveway shall be placed a minimum of thirty (30) inches above the grade. Address identification characters shall contrast with their background and be reflective. Address numbers shall be Arabic numbers or alphabetical letters. Numbers shall not be spelled out. Each character shall be not less than 4 inches in height with a stroke width of not less than ½ inch. Where required by the code official, address identification shall be provided in additional approved locations to facilitate emergency response. Where access is by means of a private road and the building address cannot be viewed from the public way, a monument, pole or other sign shall be used to identify the structure. Address identification shall be posted at the start of construction (prior to the first required inspection.) The permanent address identification shall be completed and installed prior to the final building inspection and shall thereafter be maintained by the property owner.

Exception:

1. Alteration of the character height and stroke width requirements may be approved by the Fire Protection District having jurisdiction authority.

**CHAPTER 4
FOUNDATIONS**

SECTION R402

MATERIALS

R402.1 Wood Foundations.

[Amend this subsection to read as follows:]

Wood foundation systems shall be designed by a Colorado Licensed Architect or Engineer.

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SECTION R403

FOOTINGS

R403.1 General.

[Delete last sentence and replace with:]

"Footings shall be designed by a Colorado Licensed Architect or Engineer or be designed and constructed in accordance with the Chaffee County Minimum Footing and Foundation Requirements contained in Exhibit M."

R403.1.4.1 Frost Protection.

[Delete #3 and #4 and replace with:]

3. Constructed in accordance with the Chaffee County Minimum Footing and Foundation Requirements contained in Exhibit M.

4. Erected on solid rock using a design prepared by a Colorado Licensed Architect or Engineer.

SECTION R404

FOUNDATION AND RETAINING WALLS

R404.1.3 Concrete foundation walls.

[Delete entire section and replace with:]

Concrete foundation walls that support light-frame walls shall be designed by a Colorado Licensed Architect or Engineer or be designed and constructed in accordance with the Chaffee County Minimum Footing and Foundation Requirements contained in Exhibit M. Concrete foundation walls that support above-grade concrete walls that are within the applicability limits of Section R608.2 shall be designed by a Colorado Licensed Architect or Engineer or be designed and constructed in accordance with the Chaffee County Minimum Footing and Foundation Requirements contained in Exhibit M. Concrete foundation walls that support above-grade concrete walls that are not within the applicability limits of Section R608.2 shall be designed by a Colorado Licensed Architect or Engineer.

CHAPTER 5 FLOORS

SECTION R507

EXTERIOR DECKS

R507.2.4 Flashing.

[Add the following sentence:]

Water-resistive barrier shall be placed between the deck ledger and the structure substrate.

R507.3.1 Minimum size.

[Delete entire subsection and replace with the following:]

"Footings for decks shall be designed by a Colorado Licensed Architect or Engineer or be designed and

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constructed in accordance with the Chaffee County Minimum Footing and Foundation Requirements contained in Exhibit M."

R507.3.2 Minimum depth.

[Delete the entire subsection and replace with the following:]

"Deck footings shall be extended below the frost line as specified in Table R301.2."

R507.9.2 Lateral connection.

[Delete the entire subsection:]

**CHAPTER 9
ROOF ASSEMBLIES**

**SECTION R903
WEATHER PROTECTION**

R903.2.3 Penetrations.

[Add new subsection to read as follows:]

Roof jacks, vents and similar roof penetrations shall not be located less than 24 inches from the center of a valley to the closest edge of the penetration.

**CHAPTER 10
CHIMNEYS AND FIREPLACES**

**SECTION R1004
FACTORY-BUILT FIREPLACES**

R1004.4 Unvented gas log heaters.

[Delete this subsection in its entirety.]

**CHAPTER 24
FUEL GAS**

**SECTION G2406 (303)
APPLIANCE LOCATION**

G2406.2 (303.3) Prohibited locations.

[Delete Exception 3. In its entirety.]

[Delete Exception 4. In its entirety.]

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SECTION G2414 (403)

PIPING MATERIALS

G2414.3 (403.4.3) Copper or copper-alloy tubing.

[Delete entire subsection and replace with the following:]

Copper and copper-alloy piping shall not be used on natural gas systems.

SECTION G2445 (621)

UNVENTED ROOM HEATERS

G2445 (621) Unvented room heaters.

[Delete the entire section and replace with the following:]

Unvented room heaters are prohibited.

CHAPTER 25

PLUMBING ADMINISTRATION

SECTION 2503

INSPECTION AND TESTS

P2503.6 Shower liner test.

[Delete this subsection in its entirety.]

CHAPTER 26

GENERAL PLUMBING REQUIREMENTS

SECTION P2601

GENERAL

P2601.1 Scope.

[Delete this subsection in its entirety and amend to read as follows:]

The provisions of this chapter and the *2021 International Plumbing Code*, as amended and adopted by the State of Colorado and as adopted by the Chaffee County Board of County Commissioners shall govern the installation of plumbing, appliances, equipment and plumbing systems. If there is a conflict between this code and the *2021 International Plumbing Code*, as amended and adopted by the State of Colorado and the Chaffee County Board of County Commissioners, the more restrictive shall govern.

SECTION P2602

INDIVIDUAL WATER SUPPLY AND SEWAGE DISPOSAL

P2602.1 General.

[Delete:] *"International Sewage Disposal Code"* and replace with *"Chaffee County On-site Wastewater Treatment System Regulations."*

SECTION P2603

STRUCTURAL AND PIPING PROTECTION

P2603.5.1 Sewer Depth.

[Complete subsection to read;]

Building sewers that connect to private sewage disposal systems shall not be less than 24 inches below finished grade at the point of septic tank connection. Building sewers shall not be less than 24 inches below grade. When site restrictions negate the ability to comply with this minimum depth requirement, an alternate design shall be submitted to the building official for approval.

CHAPTER 29

WATER SUPPLY AND DISTRIBUTION

SECTION P2901

GENERAL

P2901.1 Potable water required.

[Delete from subsection:]

...treated rainwater, treated graywater or

SECTION P2904

DWELLING UNIT FIRE SPRINKLER SYSTEMS

P2904.1 General.

[Add to the beginning of this subsection.]

Automatic fire sprinkler systems are not required to be installed in one- or two-family dwellings and townhouses. Automatic fire sprinkler systems that are installed in one- and two-family dwellings and townhouses shall comply with the regulations and requirements of Section P2904.

SECTION P2913

RECLAIMED WATER SYSTEMS

P2913.1 General.

[Add as last sentence to subsection:]

The use and application of non-potable water shall comply with laws, rules and ordinances applicable in the jurisdiction.

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**CHAPTER 30
SANITARY DRAINAGE**

**SECTION P3009
GRAYWATER SOIL ABSORPTION SYSTEMS**
[Delete this section in its entirety:]

**APPENDIX AQ
TINY HOUSES**

**SECTION AQ102
DEFINITIONS**

AQ102.1 General.

[Add the following definitions to this subsection:]

TINY HOME. A dwelling that is permanently constructed on a vehicle chassis, is designed for long-term residency, includes electrical, mechanical or plumbing services that are fabricated, formed or assembled at a location other than the site of the completed home, is not self-propelled and that is 400 square feet or less in floor area excluding lofts. A Tiny Home may be installed on a temporary or permanent foundation.

TINY HOUSE. A dwelling that is 400 square feet or less in floor area excluding lofts. A Tiny House may only be installed on a permanent foundation.

Exhibit C to Ordinance 2023-01

Amendments to the 2021 International Fire Code

Adopted by reference as if set out in length in the "International Fire Code, 2021 Edition" Chapters 1 – 80 including Appendix Chapters B, C, D, H and I as published by the International Code Council Inc., 4051 West Flossmoor Road, Country Club Hills, IL 60478-5795. The following amendments are made to the International Fire Code, 2021 Edition:

**SECTION 101
SCOPE AND ADMINISTRATION**

**SECTION 101
SCOPE AND GENERAL REQUIREMENTS**

[A] 101.1 Title.

[Amend subsection to read as follows:]

These regulations shall be known as the *Fire Code* of Chaffee County, Colorado, hereinafter referred to as "this code."

**SECTION 102
APPLICABILITY**

[A] 102.1 Construction and design provisions.

[Add as last sentence to this subsection.]

This Fire Code shall not apply to structures governed by the International Residential Code, specifically one- and two-family dwellings and townhouses or to those agricultural and other buildings exempt from building permits. Existing buildings and structures built in compliance with the codes in effect at the time of construction are not subject to the requirements of this code, except for commercial, industrial or multi-family residential structures being renovated or altered.

**SECTION 103
CODE COMPLIANCE AGENCY**

[A] 103.1 Creation of agency.

[Delete subsection in its entirety and amend to read as follows:]

The Chaffee County Building Safety Department is hereby established as the Authority Having Jurisdiction (AHJ) with respect to the structure related portions of active permits. The Chaffee County Fire Protection District and South Arkansas Fire Protection District are hereby established as the Authority Having Jurisdiction (AHJ) within their respective boundaries for all other provisions of this code, specifically including fire suppression supply requirements.

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SECTION 105

PERMITS

[A] 105.1 General.

[Add to beginning of subsection to read as follows:]

The Chaffee County Building Safety Department is responsible for the issuance of construction permits in accordance with the requirements of the Building Codes as adopted by Chaffee County. When conflicts between the Chaffee County Building Codes and the Fire Code requirements for application, issuance, posting, inspection and enforcement for construction permits occur, the adopted Chaffee County Building Codes shall govern.

SECTION 111

MEANS OF APPEALS

[A] 111.1 Board of Appeals.

[Add as last sentence of this subsection.]

The Board of Appeals shall be the Chaffee County Board of Review, as appointed by the Chaffee County Board of County Commissioners.

[A] 111.3 Qualifications.

[Delete this subsection in its entirety.]

SECTION 202

GENERAL DEFINITIONS

[BG] Group R, Residential

[BG] Residential Group R-3.

[Amend to read as follows:]

Buildings that do not contain more than four dwelling units.

[All other text in this section to remain unchanged]

SECTION 307

OPEN BURNING, RECREATIONAL FIRES AND PORTABLE OUTDOOR FIREPLACES

307.1 General.

[Delete entire subsection and amend to read as follows:]

All open burning shall be in accordance with Ordinance 2018-03, as adopted by the Chaffee County Board of County Commissioners.

307.2 Permit Required.

[Delete subsection in its entirety.]

307.3 Extinguishment authority.

[Delete subsection in its entirety.]

**CHAPTER 5
FIRE SERVICE FEATURES**

**SECTION 505
PREMISES IDENTIFICATION**

505.1 Address identification.

[Delete subsection in its entirety and amend to read as follows:]

All buildings, new and existing (when required) shall be provided with an approved permanent address identification. The address identification shall be legible and placed in a position that is visible from the street or road fronting the property. Address signage placed at the roadway, street or driveway shall be placed a minimum of thirty (30) inches above the grade. Address identification characters shall contrast with their background and be reflective. Address numbers shall be Arabic numbers or alphabetical letters. Numbers shall not be spelled out. Each character shall be not less than 4 inches in height with a stroke width of not less than ½ inch. Where required by the code official, address identification shall be provided in additional approved locations to facilitate emergency response. Where access is by means of a private road and the building address cannot be viewed from the public way, a monument, pole or other sign shall be used to identify the structure. Address identification shall be posted at the start of construction (prior to the first required inspection.) The permanent address identification shall be completed and installed prior to the final building inspection and shall thereafter be maintained by the property owner.

Exception:

1. Alteration of the character height and stroke width requirements may be approved by the Fire Protection District having jurisdiction authority.

**SECTION 510
EMERGENCY RESPONDER
COMMUNICATION COVERAGE**

**SECTION 510
EMERGENCY RESPONDER RADIO COVERAGE**

[Delete section in its entirety and amend to read as follows:]

The Fire Chief of the Authority Having Jurisdiction (AHJ) may require signal boosters if deemed necessary.

**CHAPTER 9
FIRE PROTECTION AND LIFE SAFETY SYSTEMS**

**SECTION 903
AUTOMATIC SPRINKLER SYSTEMS**

903.2.8 Group R.

[Amend this subsection to read as follows:]

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An automatic sprinkler system installed in accordance with Section 903.3 shall be provided throughout all buildings with a Group R fire area.

Exception: Group R-3 portions of buildings not more than 3 stories above grade plane and not required to be provided with an automatic sprinkler system by other sections of this code.

APPENDIX C FIRE HYDRANT LOCATIONS AND DISTRIBUTION

SECTION C103 FIRE HYDRANT SPACING

C103.3 Maximum spacing.

[Add to this subsection to read as follows:]

Exception: The Fire Chief may grant an exception to hydrant spacing requirements when, in the opinion of the Fire Chief, there are extenuating circumstances and the increase of hydrant spacing does not limit suppression capabilities.

[All other text in this section to remain unchanged.]

APPENDIX D FIRE APPARATUS ACCESS ROADS

SECTION D102 REQUIRED ACCESS

D102.1 Access and loading.

[Add to this subsection to read as follows:]

Exception: The Fire Chief may grant an exception to fire apparatus access requirements when, in the opinion of the Fire Chief, there are extenuating circumstances, and the decrease does not limit response and suppression capabilities.

[All other text in this section to remain unchanged]

Exhibit D to Ordinance 2023-01

Amendments to the 2021 International Fuel Gas Code

Adopted by reference as if set out in length in the "International Fuel Gas Code", 2021 Edition Chapters 1 – 8 and [Appendix Chapter A](#) as published by the International Code Council, Inc., 4051 West Flossmoor Road, Country Club Hills, IL, 60478-5795, along with certain additions, revisions and deletions adopted by the Colorado State Plumbing Board, identified as 3 CCR 721-1. The following amendments are made to the International Fuel Gas Code, 2021 Edition:

CHAPTER 1

SCOPE AND ADMINISTRATION

SECTION 101 (IFGC)

SCOPE AND GENERAL REQUIREMENTS

[A] 101.1 Title.

[Amend this subsection to read as follows;]

These regulations shall be known as the Fuel Gas Code of Chaffee County, Colorado, hereinafter referred to as "this code".

CHAPTER 3

GENERAL REGULATIONS

SECTION 303 (IFGC)

APPLIANCE LOCATION

303.3 Prohibited locations.

[Delete Exceptions 3. and 4.]

CHAPTER 4

GAS PIPING INSTALLATIONS

SECTION 403 (IFGS)

PIPING MATERIALS

403.3.3 Copper and copper alloy.

[Delete subsection in its entirety and replace with the following:]

[Copper and copper alloy pipe shall not be used on natural gas systems.](#)

403.4.3 Copper and copper alloy tubing.

[Delete subsection in its entirety and replace with the following:]

[Copper and copper alloy tubing shall not be used on natural gas systems.](#)

SECTION 404 (IFGS)

PIPING SYSTEM INSTALLATION

404.2 CSST.

[Add a sentence to read as follows;]

Installation of CSST must be performed by a qualified installer that meets all applicable qualifications of the authority having jurisdiction (AHJ). Qualified certification must be submitted to the building official prior to the inspection of any installed CSST.

404.20 Testing of piping.

[Amend subsection to read as follows;]

Before any system of piping is put in service or concealed, it shall be permitted with the authority having jurisdiction (AHJ) and shall be tested and inspected by the authority having jurisdiction (AHJ) to ensure it is gastight. Testing, inspection and purging of piping systems shall comply with Section 406.

SECTION 406 (IFGS)

IINSPECTION, TESTING AND PURGING

406.1.1 Inspections.

[Amend subsection to read as follows;]

Inspection shall consist of visual examination during or after manufacture, fabrication, assembly or pressure tests. Inspection shall be performed by the authority having jurisdiction (AHJ) or by an agency or third-party having approval of the building official.

406.1.2 Repairs and additions.

[Amend 2nd paragraph to read as follows;]

Minor repairs and additions are not required to be tested provided the piping is accessible, limited to a maximum of eight joints and has a total developed length of not more than 6 feet.

406.6.4 Placing appliances and equipment in operation.

{Amend subsection to read as follows:}

Gas piping or equipment that has been out of service for a period of longer than six (6) months shall be permitted to be placed in operation only after the piping system has been inspected, tested and purged per Section 406 (IFGS) of the 2021 International Fuel Gas Code and found to be free from leakage.

[Add new subsection to read as follows:]

406.6.5 Disconnected piping systems.

When existing piping is disconnected from the source of supply (gas meter removed, gas tank removed, etc.) for more than six (6) months, the piping shall be retested and inspected in accordance with the requirements of Section 406 (IFGS) of the 2021 International Fuel Gas Code.

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**CHAPTER 6
SPECIFIC APPLIANCES**

**SECTION 614 (IFGC)
CLOTHES DRYER EXHAUST**

614.3 Cleaning access.

[Delete subsection in its entirety.]

**SECTION 621 (IFGC)
UNVENTED ROOM HEATERS**

[Delete the entire section and replace to read as follows:]

Unvented room heaters are prohibited.

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Exhibit E to Ordinance 2023-01

Amendments to the 2021 International Mechanical Code

Adopted by reference as if set out in length in the "International Mechanical Code, 2021 Edition Chapters 1 – 15 and Appendix A as published by the International Code Council, Inc., 4051 West Flossmoor Road, Country Club Hills, IL, 60478-5795. The following amendments are made to the International Mechanical Code, 2021 Edition:

CHAPTER 1

SCOPE AND ADMINISTRATION

SECTION 101

SCOPE AND GENERAL REQUIREMENTS

Section 101.1 Title.

[Amend to read as follows:]

These regulations shall be known as the Mechanical Code of Chaffee County, Colorado, hereinafter referred to as "this code".

CHAPTER 5

EXHAUST SYSTEMS

SECTION 504

CLOTHES DRYER EXHAUST

504.3 Cleanout.

[Delete subsection in its entirety.]

CHAPTER 9

SPECIFIC APPLIANCES, FIREPLACES, AND SOLID FUEL-BURNING EQUIPMENT

SECTION 903

FACTORY-BUILT FIREPLACES

903.3 Unvented gas log heaters.

[Delete this subsection in its entirety.]

Exhibit F to Ordinance 2023-01

Amendments to the 2021 International Plumbing Code

Adopted by reference as if set out in length in the “International Plumbing Code, 2021 Edition”, Chapters 1 – 15 including Appendix Chapters B, C and E as published by the International Code Council, Inc., 4051 West Flossmoor Road, Country Club Hills, IL, 60478-5795, along with certain additions, revisions and deletions adopted by the Colorado State Plumbing Board, identified as 3 CCR 720-1. The following amendments are made to the International Plumbing Code, 2021 Edition:

**CHAPTER 1
ADMINISTRATION**

**SECTION 101
SCOPE AND GENERAL REQUIREMENTS**

[A] 101.1 Title.

[Amend this subsection to read as follows:]

These regulations shall be known as the *Plumbing Code* of Chaffee County, Colorado hereinafter referred to as “this code.”

**SECTION 102
APPLICABILITY**

[A] 102.1 General.

[Add as last sentence to this subsection:]

Where there is a conflict between the *International Building Code*, the *International Residential Code* and this code, this code shall govern.

**SECTION 113
MEANS OF APPEALS**

[A] 113.1 General.

All references to the Board of Appeals shall be changed to read the Board of Review as appointed by the Chaffee County Board of County Commissioners.

[A] 113.3 Qualifications.

The reference to the Board of Appeals shall be changed to read the Board of Review as appointed by the Chaffee County Board of County Commissioners.

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**CHAPTER 3
GENERAL REGULATIONS**

**SECTION 312
TESTS AND INSPECTIONS**

312.1 Required tests.

[Delete the following words and sentences:]

“for piping systems other than plastic” and “After the plumbing fixtures have been set and their traps filled with water, the entire drainage system shall be submitted to final tests. The code official shall require the removal of any cleanouts if necessary to ascertain whether the pressure has reached all parts of the system.”

312.3 Drainage and vent air test.

[Delete the words:]

“Plastic piping shall not be tested using air.”

312.4 Drainage and vent final test.

[Delete this subsection in its entirety:]

312.5 Water supply system test.

[Delete the words:]

“for piping systems other than plastic”

312.6 Gravity sewer test.

[Delete this subsection in its entirety.]

312.7 Forced sewer test.

[Delete this subsection in its entirety.]

312.9 Shower liner test.

[Delete this subsection in its entirety.]

312.10.1 Inspections.

[Add as last sentence to this subsection to read as follows:]

The premise owner or responsible party shall have the backflow prevention assembly tested by a certified cross-connection control technician at the time of installation, repair or relocation.

**CHAPTER 6
WATER SUPPLY AND DISTRIBUTION**

**SECTION 608
PROTECTION OF POTABLE WATER SUPPLY**

608.18 Protection of individual water supplies.

[Delete this subsection in its entirety and amend to read as follows:]

Water wells are regulated by the Colorado Division of Water Resources.

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**CHAPTER 9
VENTS**

**SECTION 903
VENT TERMINALS**

903.1.1 Roof extension unprotected.

[Amend subsection to read as follows:]

Open vent pipes that extend through the roof shall be terminated not less than 12 inches above the roof.

903.2 Frost closure.

[Delete this subsection in its entirety.]

**CHAPTER 10
TRAPS, INTERCEPTORS AND SEPARATORS**

**SECTION 1003
INTERCEPTORS AND SEPARATORS**

Section 1003.1 Where required.

[Add to this subsection to read as follows:]

Exception: Where special regulations exist by the local wastewater and/or sanitation district into which the grease trap or interceptor effluent is transported and/or treated. These regulations may supersede this requirement.

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Exhibit G to Ordinance 2023-01

Amendments to the 2021 International Energy Conservation Code

Adopted by reference as if set out in length in the "International Energy Conservation Code, 2021 Edition", Chapters 1 [CE] - 6 [CE] and Chapter 1 [RE] - 6 [RE], as published by the International Code Council, Inc., 4051 Flossmoor Road, Country Club Hills, IL, 60478-5795. The following amendments are made to the International Energy Conservation Code, 2021 Edition:

CHAPTER 1 [CE]

SCOPE AND ADMINISTRATION

SECTION C101

SCOPE AND GENERAL REQUIREMENTS

C101 Title.

[Amend subsection to read as follows:]

This code shall be known as the *Energy Conservation Code* of Chaffee County, Colorado and shall be cited as such. It is referred to herein as "this code."

CHAPTER 1 [RE]

SCOPE AND ADMINISTRATION

SECTION R101

SCOPE AND GENERAL REQUIREMENTS

R101 Title.

[Amend subsection to read as follows:]

This code shall be known as the *Energy Conservation Code* of Chaffee County, Colorado and shall be cited as such. It is referred to herein as "this code."

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Exhibit H to Ordinance 2023-01

Amendments to the 2021 International Existing Building Code

Adopted by reference as if set out in length in the "International Existing Building Code, 2021 Edition", Chapters 1 – 16 including Appendix B as published by the International code Council, Inc., 4051 West Flossmoor Road, Country Club Hills, IL 60478-5795. The following amendments are made to the International Existing Building Code:

**CHAPTER 1
SCOPE AND ADMINISTRATION**

**SECTION 101
SCOPE AND GENERAL REQUIREMENTS**

[A] 101.1 Title. [Amend to read as follows:]

These regulations shall be known as the *Existing Building Code* of Chaffee County, Colorado, hereinafter referred to as "this code."

**SECTION 112
MEANS OF APPEAL**

[A] 112.1 General. [Amend as follows:]

All references to the Board of Appeals shall be changed to read the Board of Review as appointed by the Chaffee County Board of County Commissioners.

[A] 112.3 Qualifications. [Amend as follows:]

All references to the Board of Appeals shall be changed to read the Board of Review as appointed by the Chaffee County Board of County Commissioners.

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Exhibit I to Ordinance 2023-01

Amendments to the 2021 International Property Maintenance Code

Adopted by reference as if set out in length in the "International Property Maintenance Code, 2021 Edition", Chapters 1 - 8 as published by the International Code Council, Inc., 4051 West Flossmoor Road, Country Club Hills, IL, 60478-5795. The following amendments are made to the International Property Maintenance Code, 2021 Edition:

CHAPTER 1

SCOPE AND ADMINISTRATION

PART 1 – SCOPE AND ADMINISTRATION

SECTION 101

SCOPE AND GENERAL REQUIREMENTS

[A] 101.1 Title.

[Amend this subsection to read as follows:]

These regulations shall be known as the *International Property Maintenance Code* of Chaffee County, Colorado, hereinafter referred to as "this code."

PART 2 – ADMINISTRATION AND ENFORCEMENT

SECTION 103

CODE COMPLIANCE AGENCY

[A] 103.1 Creation of Agency.

[Amend this subsection to read as follows:]

The official in charge shall be known as the code official. The Chaffee County Building Safety Department and the code official shall oversee the implementation, administration and enforcement of the provisions of this code.

SECTION 107

MEANS OF APPEAL

107.1 General.

[Delete the following:]

"board of appeals" and replace with "Board of Review as appointed by the Chaffee County Board of County Commissioners.

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107.3 Qualifications.

[Delete the following:]

“board of appeals” and replace with “Board of Review as appointed by the Chaffee County Board of County Commissioners.

SECTION 108

BOARD OF APPEALS

[A] 108.1 Membership of board.

[Delete the following.]

“board of appeals” and replace with “Board of Review as appointed by the authority having jurisdiction (AHJ).”

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Exhibit J to Ordinance 2023-01

Amendments to the 2021 International Swimming Pool and Spa Code

Adopted by reference as if set out in length in the "International Swimming Pool and Spa Code, 2021 Edition" Chapters 1 - 11 as published by the International Code Council Inc., 4051 West Flossmoor Road, Country Club Hills, IL, 60478-5795. The following amendments are made to the International Swimming Pool and Spa Code, 2021 Edition:

CHAPTER 1

SCOPE AND ADMINISTRATION

PART 1 – SCOPE AND ADMINISTRATION

SECTION 101

SCOPE AND GENERAL REQUIREMENTS

[A] 101.1 Title.

[Amend this subsection to read as follows;]

These regulations shall be known as the *Swimming Pool and Spa Code* of Chaffee County, Colorado, hereinafter referred to as "this code."

PART 2 – ADMINISTRATION AND ENFORCEMENT

SECTION 103 CODE

COMPLIANCE AGENCY

[A] 103.1 Creation of agency.

[Amend this subsection to read as follows:]

The official in charge shall be known as the code official. The Chaffee County Building Safety Department and the code official shall oversee the implementation, administration and enforcement of the provisions of this code.

SECTION 111

MEANS OF APPEAL

[A] 111.1 General.

[Delete the following:]

"board of appeals" and replace with "Board of Review as appointed by the Chaffee County Board of County Commissioners.

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[A] 111.3 Qualifications.

[Delete the following:]

“board of appeals” and replace with “Board of Review as appointed by the Chaffee County Board of County Commissioners.

SECTION 112

BOARD OF APPEALS

[A] 112.1 Membership of board.

[Delete the following:]

“board of appeals” and replace with “Board of Review as appointed by the Chaffee County Board of County Commissioners.

Exhibit K to Ordinance 2023-01

Amendments to the 2021 International Wildland-Urban Interface Code

Adopted by reference as if set out in length in the "International Wildland-Urban Interface Code, 2021 Edition" Chapters 1 - 9 and Appendix A as published by the International Code Council, Inc., 4051 West Flossmoor Road, Country Club Hills, IL, 60478-5795. The following amendments are made to the International Mechanical Code, 2021 Edition:

CHAPTER 1

SCOPE AND ADMINISTRATION

PART 1 – GENERAL PROVISIONS

SECTION 101

SCOPE AND GENERAL REQUIREMENTS

Section 101.1 Title.

[Amend to read as follows:]

These regulations shall be known as the *Wildland-Urban Interface Code of Chaffee County, Colorado*, hereinafter referred to as "this code".

PART 2 – ADMINISTRATION AND ENFORCEMENT

SECTION 103

CODE COMPLIANCE AGENCY

[A] 103.1 Creation of agency.

[Amend this subsection to read as follows:]

The official in charge shall be known as the code official. The Chaffee County Building Safety Department and the code official shall oversee the implementation, administration and enforcement of the provisions of this code.

SECTION 106

PERMITS

[A] 106.3 Work exempt from permit.

[Delete this subsection in its entirety and amend to read as follows:]

Unless otherwise provided in the requirements of the *International Building Code*, the *International Residential Code* or the *International Fire Code*, a permit shall not be required for the following:

1. One-story detached accessory structures used as tools sheds, storage sheds, playhouses and similar uses, provided the floor area does not exceed 120 square feet for non-residential use or 200 square feet

for residential use. Such structures shall not be used as habitable spaces, sleeping rooms or for vehicle storage. Structures that have a roof overhang greater than 24", measured on a horizontal plane from the exterior wall, shall be subject to permitting. Any electrical, mechanical or plumbing work performed on such structures shall require permitting and inspection.

2. Fences not over 7 feet high.

Exemption from the permit requirements of this code shall not be deemed to grant authorization for any work to be done in any manner in violation of the provisions of this code, as amended and adopted, or any other adopted codes, laws or ordinances of this jurisdiction.

Exempt structures must adhere to the required setback distance for property lines and shall not be located within the individual lot identified defensible space.

Structures exempt from permits shall be located a minimum of 20 feet from any structure.

The code official is authorized to stipulate conditions for permits. Permits shall not be issued where public safety would be at risk, as determined by the code official.

SECTION 111

CERTIFICATE OF COMPLETION

[A] 111.1 General.

[Delete this subsection in its entirety and amend to read as follows:]

The certificate of occupancy shall not be issued until a statement of compliance/completion is received by the code official. This statement shall stipulate that the building, structure or premises meet the requirements for code compliance with this code, as amended and adopted. The statement of compliance/completion shall be prepared and submitted by the Fire Protection District having authority. If the Fire Protection District having authority is not providing this inspection service at the time of the requested inspection, the property owner or responsible party may self-certify using the certification document provided by the Chaffee County Building Safety Department or may provide a certificate of completion prepared by an approved third-party forester or mitigation professional. The code official is authorized to accept reports submitted by approved third-party agencies, provided that such agencies satisfy the requirements as to qualifications and reliability and have the approval of the code official.

Exception: Reports submitted to the code official by the Fire Chief or the Fire Chief's authorized representative of the Fire District having authority shall be acceptable without submittal of qualifications.

SECTION 113

MEANS OF APPEALS

[A] 113.1 General.

[Delete the following:]

"board of appeals" and replace with "Board of Review as appointed by the Chaffee County Board of County Commissioners.

[A] 113.3 Qualifications.

[Delete the following:]

"board of appeals" and replace with "Board of Review as appointed by the Chaffee County Board of County Commissioners.

CHAPTER 3

WILDLAND-URBAN INTERFACE AREAS

SECTION 301

GENERAL

301.1 Scope.

[Delete this subsection in its entirety and amend to read as follows:]

The provisions of this chapter shall establish and identify the wildland-urban interface area.

301.2 Objective.

[Delete this subsection in its entirety:]

SECTION 302

WILDLAND-URBAN INTERFACE AREA DESIGNATIONS

302.1 Declaration.

[Delete this subsection in its entirety and amend to read as follows:]

The Chaffee County Board of County Commissioners shall declare the wildland-urban interface area within the jurisdiction. The wildland-urban interface area shall be the area of unincorporated Chaffee County, as defined by the Chaffee County Land Use Code, Section 7.1.10 as adopted by the Chaffee County Board of County Commissioners and the Chaffee County Wildfire Risk Map (Exhibit K-1).

302.3 Review of wildland-urban interface areas.

[Delete this subsection in its entirety and amend to read as follows:]

Reevaluation and recommended modification of the wildland-urban interface area may be performed as deemed necessary by the Chaffee County Board of County Commissioners.

CHAPTER 4

WILDLAND-URBAN INTERFACE AREA REQUIREMENTS

SECTION 402

APPLICABILITY

402.1.1 Access.

[Delete this subsection in its entirety and amend to read as follows:]

New subdivisions (subdivisions created after the adoption of this code) shall be provided with fire apparatus access roads in accordance with the Chaffee County Land Use Code, the International Fire Code and access requirements in accordance with Section 403.

402.1.2 Water supply.

[Delete this subsection in its entirety and amend to read as follows:]

New subdivisions (subdivisions created after the adoption of this code) shall provide water supply in accordance with the Chaffee County Land Use code.

402.2 Individual structures.

[Delete this subsection in its entirety and amend to read as follows:]

Individual structures shall comply with Section 402.2.1.

402.2.2 Water supply.

[Delete this subsection in its entirety:]

402.3 Existing conditions.

[Delete this subsection in its entirety:]

SECTION 403

ACCESS

403.2.1 Dimensions.

[Delete this subsection in its entirety and amend to read as follows:]

Driveways shall provide a clear minimum width of 14 feet and a minimum unobstructed height of 14 feet.

403.2.2 Length.

[Delete this subsection in its entirety and amend to read as follows:]

Driveways in excess of 150 feet in length shall be provided with turnarounds for emergency vehicles as specified in 403.2.4. Driveways in excess of 400 feet in length shall be provided with turnouts as specified in 403.2.5 in addition to turnarounds.

403.2.5 Turnouts.

[Delete this subsection in its entirety and amend to read as follows:]

Driveways in excess of 400 feet and at every 400 feet thereafter shall be provided with turnouts. Turnouts shall be a minimum of 10 feet in width and shall be a minimum of 30 feet in length. Driveway turnouts shall be comprised of such material and be constructed to support the weight requirements of a fire apparatus vehicle.

403.6 Address markers. [Delete this entire subsection and amend to read as follows:]

All buildings, new and existing (when required) shall be provided with an approved permanent address identification. The address identification shall be legible and placed in a position that is visible from the street or road fronting the property. Address signage placed at the roadway, street or driveway shall be placed a minimum of thirty (30) inches above the grade. Address identification characters shall contrast with their background and be reflective. Address numbers shall be Arabic numbers or alphabetical letters. Numbers shall not be spelled out. Each character shall be not less than 4 inches in height with a stroke width of not less than ½ inch. Where required by the code official, address identification shall be provided in additional approved locations to facilitate emergency response. Where access is by means of a private road and the building address cannot be viewed from the public way, a monument, pole or

other sign shall be used to identify the structure. Address identification shall be posted at the start of construction (prior to the first required inspection.) The permanent address identification shall be completed and installed prior to the final building inspection and shall thereafter be maintained by the property owner.

Exception:

1. Alteration of the character height and stroke width requirements may be approved by the Fire Protection District having jurisdiction authority.

403.7 Grade.

[Add the following subsections to read as follows:]

403.7.1 Fire apparatus access roads.

The gradient (slope) for fire apparatus access roads shall not exceed the maximum approved per the Chaffee County Land Use Code, as adopted by the Chaffee County Board of County Commissioners.

403.7.2 Driveways.

The average gradient (slope) for driveways shall not exceed eight percent (8%). Certification of the driveway gradient must be provided to the code official prior to or as part of a certificate of completion. This certification shall be prepared, signed and sealed by a Colorado Professional Licensed Surveyor, a Colorado licensed Engineer or Architect or by an approved third-party agency. The code official is authorized to accept reports of approved third-party agencies, provided that such agencies satisfy the requirements as to qualifications and reliability and have the approval of the code official Where this requirement cannot be met due to site restrictions, internal fire sprinklers shall be installed within the habitable space of the structure. Automatic fire sprinkler systems that are installed in one- and two-family dwellings and townhouses shall comply with the regulations and requirements of Section P2904.

SECTION 404

WATER SUPPLY

[Delete this section in its entirety:]

SECTION 405

FIRE PROTECTION PLAN

[Delete this subsection in its entirety:]

CHAPTER 5

SPECIAL BUILDING CONSTRUCTION REGULATIONS

SECTION 501

GENERAL

501.1 Scope.

[Delete this subsection in its entirety and amend to read as follows:]

Buildings, structures and additions to existing buildings within the Chaffee County Wildfire Hazard

Mitigation area shall be constructed in accordance with the *International Building Code*, the *International Residential Code*, this code, as amended, and all other codes as adopted by the Chaffee County Board of County Commissioners.

Exceptions:

1. One-story detached accessory residential structures used as tool sheds, storage sheds, playhouses or similar uses with a floor area of less than 200 square feet and having a roof overhang of 24" or less, measured on a horizontal plane from the exterior wall.
2. One-story detached accessory non-residential structures used as tool sheds, storage sheds, playhouses or similar uses with a floor area of less than 120 square feet and having a roof overhang of 24" or less, measured on a horizontal plane from the exterior wall.
3. Detached residential greenhouses with a floor area of not more than 600 square feet.
4. Agricultural use structures for which an agricultural permit exemption has been granted by the code official.

Structures identified in the above-listed exceptions shall adhere to the required setback distance for property lines as identified in the Chaffee County Land Use Code and shall not be located within the individual lot identified defensible space.

Structures exempt from permits shall be located a minimum of 20 feet from any structure.

501.2 Objective.

[Delete this subsection in its entirety and amend to read as follows:]

The objective of this chapter is to establish minimum standards to locate, design and construct buildings and structures or portions thereof located or to be located within the Chaffee County Wildfire Hazard Mitigation area for the protection of life and property, to resist damage from wildfires and to mitigate building and structure fires from spreading to wildland fuels.

SECTION 502

FIRE HAZARD SEVERITY

502.1 General.

[Delete this section in its entirety and amend to read as follows:]

The fire hazard of building sites for buildings hereafter constructed, modified or relocated into wildland-urban interface areas shall be established in accordance with the Chaffee County Wildfire Risk Map (Exhibit K-1). Fire hazard severity designations shall be amended to follow the area designations as identified by the Chaffee County Wildfire Risk Map (Exhibit K-1).

Class 1 = Extreme Risk

Class 2 = High Risk

Class 3 = Moderate Risk

502.2 Fire hazard severity reduction.

[Delete this subsection in its entirety.]

SECTION 503

IGNITION-RESISTANT CONSTRUCTION AND MATERIAL

503. General.

[Delete this subsection in its entirety and amend to read as follows:]

Buildings and structures hereafter constructed, modified or relocated into or within the wildland-urban interface area shall meet the construction requirements in accordance with the Chaffee County Land Use code and this adopted code. Class 1 (Extreme Risk), Class 2 (High Risk) and Class 3 (Moderate Risk) ignition resistant construction shall be in accordance with Sections 504, 505 and 506 respectively. Materials required to be ignition resistant materials shall comply with the requirements of Section 503.2.

SECTION 504

CLASS 1 - EXTREME RISK IGNITION-RESISTANT CONSTRUCTION

504.1 General.

[Delete this subsection in its entirety and amend to read as follows:]

Ignition resistant construction for areas designated as Extreme Risk shall be in accordance with Sections 504.2 through 504.11.

504.2 Roof assembly.

[Delete this subsection in its entirety and amend to read as follows:]

Roofs shall have a roof assembly that complies with a Class A rating when tested in accordance with ASTM E108 or UL 790. This will apply to any construction under permit, residential or commercial, to include new construction, additions, alterations, repairs or replacements.

Exceptions:

1. Unchanged
2. Unchanged
3. Unchanged

504.2.1 Roof valleys.

[Delete this subsection and amend to read as follows:]

Any construction under permit, residential or commercial, to include new construction, additions, alterations, repairs or replacements, where roof valleys are provided, shall have valley flashings of not less than 0.019 inch (0.48 mm) (No. 26 galvanized sheet gage) corrosion-resistant metal installed over a minimum 36-inch-wide (914 mm) underlayment consisting of one layer of 72-pound (32.4kg) mineral-surfaced, nonperforated cap sheet complying with ASTM D3909 running the full length of the valley.

504.3 Protection of eaves.

[Delete this subsection in its entirety and amend to read as follows:]

Eaves and soffits, on residential and commercial new construction buildings only, shall be protected on the exposed underside by one of the following methods or materials:

1. Tested assemblies having an approved 1-hr. fire-resistance rating (i.e. 2 layers 5/8" Type X gypsum board)
2. Nominal 2" solid wood (T&G)
3. Nominal 2" solid wood fire blocking installed from the top of the exterior wall to the underside of the

roof sheathing.

4. Ignition-resistant materials in accordance with Section 503.2 of this chapter

5. Non-combustible materials

6. Fire-retardant-treated-wood (FRTW) materials

7. Heavy timber construction

504.4 Gutters and downspouts.

[No change]

504.5 Exterior walls.

[Delete #5 and amend to read as follows:]

5. Ignition-resistant materials complying with Section 503.2 on the exterior side. These materials may include, but are not limited to, fiber cement siding, 3 coat stucco, masonry, brick and manufactured stone.

504.6 Underfloor enclosure.

[Delete this subsection in its entirety.]

504.7 Appendages and projections.

[Delete this subsection in its entirety and amend to read as follows:]

Exposed exterior deck surfaces, stair treads, stair risers, handrail system assemblies and guardrail system assemblies shall be of ignition resistant materials.

504.7.1 Underfloor areas.

[Delete this subsection in its entirety.]

504.8 Exterior glazing.

[No change]

504.9 Exterior doors.

[Delete this subsection in its entirety.]

504.10 Vents.

[Delete this subsection in its entirety and amend to read as follows:]

Vent screens shall be 1/4" screen or otherwise specifically designed to prevent the intrusion of fire embers.

504.10.1 Vent locations.

[Delete this subsection in its entirety and amend to read as follows.]

Attic ventilation vents located in soffits, in eave overhangs, between rafters at eaves or in other overhang areas shall be specifically designed to prevent the intrusion of fire embers. Gable end and dormer vents shall be located not less than 10 feet from lot lines. Underfloor ventilation openings shall be located as close to grade as possible.

504.11 Detached structures.

[Delete the text 50 feet from this subsection and replace it with 20 feet.]

504.11.1 Underfloor areas.

[Delete this subsection in its entirety.]

SECTION 505

CLASS 2 – HIGH RISK IGNITION-RESISTANT CONSTRUCTION

505.1 General. Delete this subsection in its entirety and amend to read as follows:]

Ignition resistant construction for areas designated as High Risk shall be in accordance with Sections 505.2 through 505.11.

505.2 Roof assembly.

[Delete this subsection in its entirety and amend to read as follows:]

Roofs shall have a roof assembly that complies with a Class A rating when tested in accordance with ASTM E108 or UL 790. This will apply to any construction under permit, residential or commercial, to include new construction, additions, alterations, repairs or replacements.

505.2.1 Roof valleys.

[Delete this subsection and amend to read as follows:]

Any construction under permit, residential or commercial, to include new construction, additions, alterations, repairs or replacements, where roof valleys are provided, shall have valley flashings of not less than 0.019 inch (0.48 mm) (No. 26 galvanized sheet gage) corrosion-resistant metal installed over a minimum 36-inch-wide (914 mm) underlayment consisting of one layer of 72-pound (32.4kg) mineral-surfaced, nonperforated cap sheet complying with ASTM D3909 running the full length of the valley.

505.3 Protection of eaves.

[Delete this subsection in its entirety and amend to read as follows:]

Eaves and soffits, on residential and commercial new construction buildings only, shall be protected on the exposed underside by one of the following methods or materials:

1. Solid materials with a minimum thickness of ¾".
2. Tested assemblies having an approved 1-hr. fire-resistance rating (i.e. 2 layers 5/8" Type X gypsum board)
3. Nominal 2" solid wood (T&G)
4. Nominal 2" solid wood fire blocking installed from the top of the exterior wall to the underside of the roof sheathing.
5. Ignition-resistant materials in accordance with Section 503.2 of this chapter
6. Non-combustible materials
7. Fire-retardant-treated-wood (FRTW) materials
8. Heavy timber construction. Exposed rafter tails shall not be permitted unless constructed of heavy timber materials.

505.4 Gutters and downspouts.

[No change]

505.5 Exterior walls.

[Delete #5 and amend to read as follows:]

5. Ignition-resistant materials complying with Section 503.2 on the exterior side. These materials may include, but are not limited to, fiber cement siding, 3 coat stucco, masonry, brick and manufactured stone.

505.6 Underfloor enclosure.

[Delete this subsection in its entirety.]

505.7 Appendages and projections.

[Delete this subsection in its entirety and amend to read as follows:]

Exposed exterior deck surfaces, stair treads, stair risers, handrail system assemblies and guardrail system assemblies shall be of ignition resistant materials.

505.7.1 Underfloor areas.

[Delete this subsection in its entirety.]

505.8 Exterior glazing.

[No change]

505.9 Exterior doors.

[Delete this subsection in its entirety.]

505.10 Vents.

[Delete this subsection in its entirety and amend to read as follows:]

Vent screens shall be 1/4" screen or otherwise specifically designed to prevent the intrusion of fire embers.

505.10.1 Vent locations.

[Delete this subsection in its entirety and amend to read as follows.]

Attic ventilation vents located in soffits, in eave overhangs, between rafters at eaves or in other overhang areas shall be specifically designed to prevent the intrusion of fire embers. Gable end and dormer vents shall be located not less than 10 feet from lot lines. Underfloor ventilation openings shall be located as close to grade as possible.

505.11 Detached structures.

[Delete the text 50 feet from this subsection and replace it with 20 feet.]

505.11.1 Underfloor areas.

[Delete this subsection in its entirety.]

SECTION 506

CLASS 3 – MODERATE RISK IGNITION-RESISTANT CONSTRUCTION

506.1 General.

Ignition resistant construction for areas designated as Moderate Risk shall be in accordance with Sections 506.2 through 506.4.

506.2 Roof assembly.

[Delete this subsection in its entirety and amend to read as follows:]

Roofs shall have a roof assembly that complies with a Class A rating when tested in accordance with ASTM E108 or UL 790. This will apply to any construction under permit, residential or commercial, to include new construction, additions, alterations, repairs or replacements.

506.2.1 Roof valleys.

[Delete this subsection and amend to read as follows:]

Any construction under permit, residential or commercial, to include new construction, additions, alterations, repairs or replacements, where roof valleys are provided, shall have valley flashings of not less than 0.019 inch (0.48 mm) (No. 26 galvanized sheet gage) corrosion-resistant metal installed over a minimum 36-inch-wide (914 mm) underlayment consisting of one layer of 72-pound (32.4kg) mineral-surfaced, nonperforated cap sheet complying with ASTM D3909 running the full length of the valley.

506.3 Underfloor enclosure.

[Delete this subsection in its entirety.]

506.4 Gutters and downspouts.

[No change]

SECTION 507

REPLACEMENT OR REPAIR OF ROOF COVERINGS

507.1 General.

[Delete this subsection in its entirety and amend it to read as follows:]

Any roof replacement or repair under permit, to include additions, alterations, repair or replacements shall have a roof assembly that complies with a Class A rating when tested in accordance with ASTM E108 or UL 790.

CHAPTER 6

FIRE PROTECTION REQUIREMENTS

SECTION 601

GENERAL

601.1 Scope.

[Delete this subsection in its entirety and amend it to read as follows:]

The provisions of this chapter establish general requirements for new buildings, new structures and premises hereafter constructed, modified, located or relocated into or within the wildland-urban interface areas.

SECTION 602

AUTOMATIC SPRINKLER SYSTEMS

[Delete this section in its entirety:]

SECTION 603

DEFENSIBLE SPACE

603.1 Objective.

[No change]

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603.2 Fuel Modification.

[Delete this subsection in its entirety and amend to read as follows:]

Buildings and structures hereafter constructed, modified or relocated into or within the wildland-urban interface area shall comply with the defensible space requirements contained in Table 603.2. For all other purposes the fuel modification distances shall be 30 feet or to the lot line, whichever is less.

603.2.3 Responsible party.

[Delete this subsection in its entirety and amend to read as follows:]

Persons owning, leasing, controlling, operating or maintaining buildings or structures requiring defensible spaces are responsible for modifying or removing non-fire resistive vegetation on the property owned, leased or controlled by said person. The responsible party shall be delegated as the person responsible for meeting the provisions of the following subsections:

603.2.2 Trees.

603.2.3 Ground cover.

SECTION 604

MAINTENANCE OF DEFENSIBLE SPACE

604.1 General.

[No change]

604.2 Modified area.

[No change]

604.3 Responsibility.

[Add to the end of this subsection to read as follows:]

The responsible party shall be delegated as the person responsible for meeting the provisions of the following subsections;

604.4 Trees.

604.4.1 Chimney clearance.

604.4.2 Deadwood removed.

SECTION 605

SPARK ARRESTORS

605.1 General.

[Delete this subsection in its entirety and amend to read as follows:]

Buildings and structures hereafter constructed, modified or relocated into or within the wildland-urban interface area that contain chimneys serving fireplaces, barbecues, incinerators or decorative heating appliances in which solid or liquid fuel s used, shall be provided with a spark arrestor. Spark arrestors shall be constructed of woven or welded wire screening of 12 USA standard gage wire (0.1046 inch) (2.66 mm) having openings not exceeding ½" (12.7 mm).

605.2 Net free area.

[No change]

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SECTION 606

LIQUIFIED PETROLEUM-GAS INSTALLATIONS

606.1 General.

[No change]

606.2 Location of containers or tanks.

[No change]

SECTION 607

STORAGE OF FIREWOOD AND COMBUSTIBLE MATERIALS

607.1 General.

[May delete subsection in its entirety after discussion with the Forest Health Council. The Building Safety Department does not have any means with which to enforce this subsection.]

607.2 Storage for off-site use.

[May delete subsection in its entirety after discussion with the Forest Health Council. The Building Safety Department does not have any means with which to enforce this subsection.]

**CHAPTER 7
REFERENCED STANDARDS**

[No changes to this chapter:]

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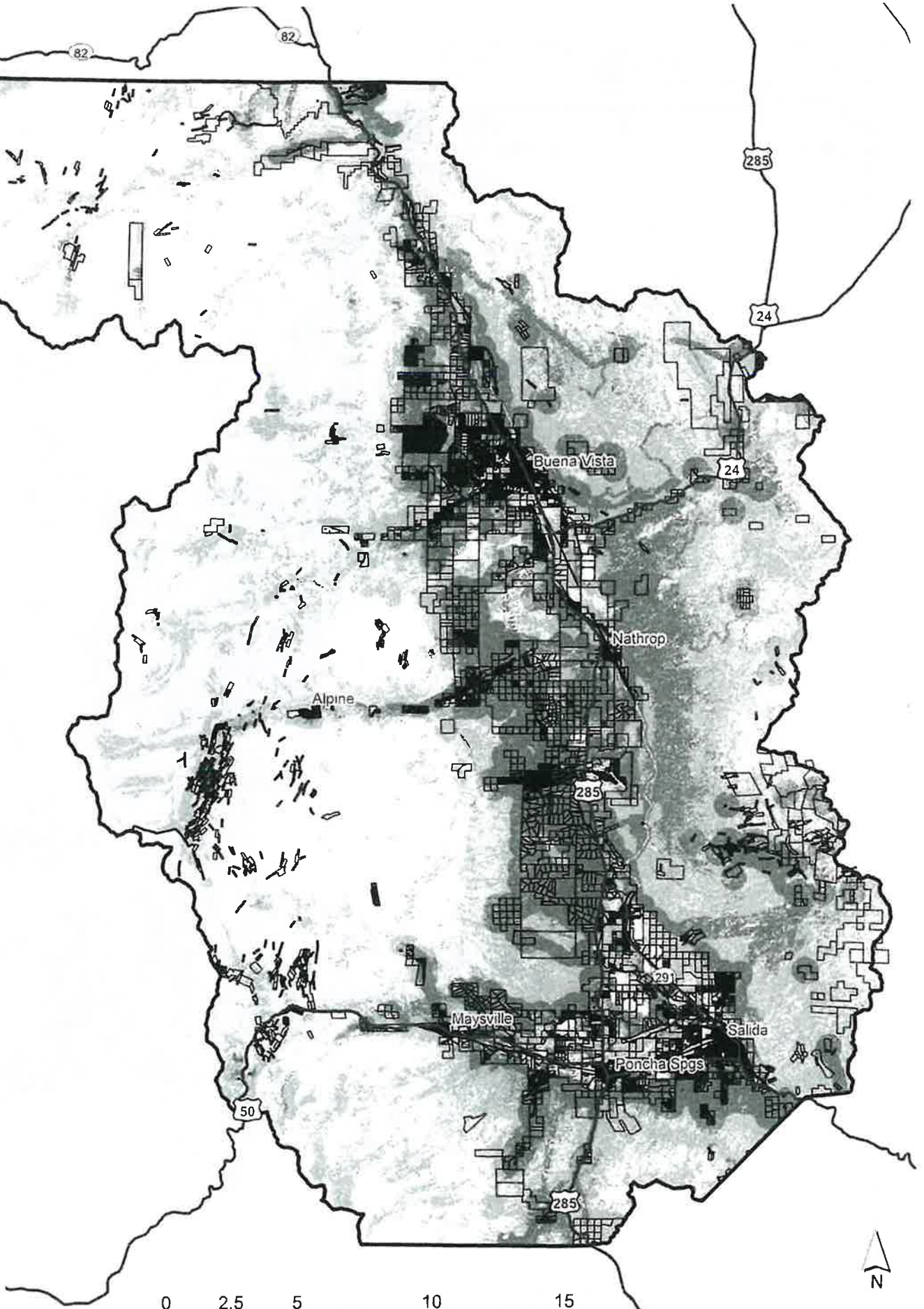
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Parcel Lines

Wildfire Risk

Extreme
High
Moderate



Wildfire Risk Map

Chaffee County

Exhibit L to Ordinance 2023-01

Permit Fee Schedule

L-1- Commercial Building Permit Fees and Residential Building Permit Fees (Includes Roofing Permit Fees)

1. Valuation Determination for New Construction. With respect to all buildings, the "Valuation" for new construction shall be determined by reference to the Building Valuation Data provided by the International Code Council (ICC). The Square Foot Construction Costs Table shall be used along with the occupancy group and type of construction to determine a per square foot cost of a project. Such amount shall then be multiplied by the gross area to determine Valuation. The calculation illustrated as follows:

$$SQUARE\ FOOT\ COST\ (per\ table) \times GROSS\ AREA = VALUATION$$

The Square Foot Construction Costs Table is available from the Building Department and from the ICC. Such table is updated periodically. The updated table shall be effective for the purposes of determining Valuation as soon as it is published by the ICC.

(<http://www.iccsafe.org/cs/techservices/>)(see Building Valuation Data, page 2 in the PDF Format link). Alternately, total construction costs may be used for the valuation when information satisfactory to the Director of Development Services is submitted such as bids or detailed construction cost estimates.

2. Valuation for dirt floor structure. With respect to arena or stable structures or any other non-insulated, unheated, dirt floor building without interior finishing, an amount equal to two-thirds (2/3) of the lowest cost from such table shall be used (currently, that cost is Group U, Type V-B, or Footnote e, the cost for unfinished basements). Such amount shall then be multiplied by the gross area to determine Valuation. The calculation is illustrated as follows:

$$SQUARE\ FOOT\ COST\ (see\ note\ above) \times GROSS\ AREA = VALUATION$$

3. Calculating permit fees for buildings used for storage only and classified as S-1 or S-2 occupancy When a building is used for an S-1 or S-2 occupancy and one or more of the following trades are omitted from the project, a 15% discount for each system shall be deducted from the tabulated value: electrical, mechanical, plumbing, and interior finish. The total discount shall not exceed 50% no matter the number of trades omitted.
4. Valuation Determination for Additions, Alterations, Repairs and Roofing. With respect to additions, alterations, repairs and roofing, the "Valuation" shall be determined by the Building Department. Alternatively, the Valuation may be determined using evidence supplied by the applicant, provided such evidence includes material, labor, profit and overhead and the Building Official determines that such evidence reasonably reflects rates

in the area at the time of application. A reasonable amount must be estimated for labor, regardless of who is providing the labor.

5. Calculation of Permit fee. The Permit Fee shall be calculated by multiplying the Valuation by a Fee Adjustment Factor to determine the Permit Fee. The calculation is illustrated as follows:

$$\text{VALUATION} \times \text{FEE ADJUSTMENT FACTOR} = \text{PERMIT FEE}$$

If more than one use or type of construction applies to a project, each area with differing characteristics shall be considered separately, then the fee for all portions shall be added together to determine the total permit fee.

6. Fee Adjustment Factor. The Fee Adjustment Factor shall be .007 for all projects.
7. Mobile and Modular Homes. Mobile homes and I.R.C. modular homes that are placed on private property (not in mobile home parks) must be placed on a footing/foundation. The fee will be assessed at 30% of the building permit fee that is currently being charged for a conventionally built dwelling of equal size. Work started without a permit will be subject to an investigation fee equal to the permit fee.
8. Reinspection Fee, Plan Change Review Fee and Minimum Fee. The reinspection fee shall be \$100 per inspection. The plan change review fee shall be \$50 per hour (one hour minimum). The minimum building permit fee shall be \$110.00, and the minimum roofing permit fee shall be \$100. Demolition permits shall be \$100.00.

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L-2- Electrical Permit Fees

General

- (1) Fees are tied to the State schedule and are reviewed annually and may be adjusted as the State does.
(2) If a permit application is not filed in advance of the commencement of an installation, the inspection fee shall be twice the amount computed (CRS 12-23-117(3))
(3) Fees are based on Sections A, B, C, and D as noted below.
(4) If a permit has expired after the Rough In Inspection and an inspection is still required for a Final Inspection, a new permit is required to complete the Trim Out. Either compute the remaining cost of the outdated permit with Labor, Equipment, and Material or pay a flat fee of \$135.00.

A.) Residential wiring and extensive residential remodeling, as regulated in the IRC, shall be computed on square footage (based in enclosed living space)

Residential wiring only, for one or two family dwelling, or townhouse		<u>FEE</u>
Living Area	(a) not more than 1000 square feet	\$135.00
	(b) 1001 square feet to not more than 1500 square feet	\$202.00
	(c) 1501 square feet to not more than 2000 square feet	\$270.00
	(d) Per 100 square feet in excess of 2000 square feet	\$13.50

Example: Residential is 2235 square feet.

The base fee for 2000 sq ft (of the 2235 sq. ft. total) is \$270.00 (see Item (c) above) **\$270.00**

The remaining 235 sq. ft. is rounded up per section (d) above, to 300 sq. ft. (3 x 13.50 = 40.50) **\$ 40.50**

Total fee due is: \$310.50

B) All other fees including some residential installations that are not based on square footage (not in a living area, i.e. garage, shop and photovoltaic, etc.). Fees in this section are calculated from the total cost to customer, including electrical materials, items and labor – whether provided by the contractor or property owner. Use this chart for all commercial installations. Such fees shall be computed as follows (See 'D' below for the permit fees for a mobile/modular home and travel trailer parks).

Valuation of Installation: (based on cost to customer of labor, equipment, material, and items):

	<u>FEE</u>
a) Not more than \$2,000.00	\$135.00
b) \$2001.00 and above	\$135.00 + \$13.50 per thousand / or fraction thereof.

Example: The cost of the installation is \$5,150.00 (round up to \$6,000.00)

The base fee is calculated from section (b) above: 6 X \$13.50 = \$81.00 Plus \$135.00 the total fee is **\$216.00**

C.) Solar Fees

Solar panel fees are calculated using a cost of \$4.00 per watt to come up with a valuation so that it is possible to calculate the permit fee. Please note that the fee for a **Residential Unit will not exceed \$500.00 and a Commercial Unit will not exceed \$1,000.00.**

Example: Actual watts for a Solar Panel are 5500 watts. Take the 5500 x \$4.00 = \$22,000.00. Then take 22 x \$10.00 = \$220.00 + base fee of \$65.00

Total fee would be 22 x \$10.00 + \$65.00 = \$285.00

D) Miscellaneous Fees (No Base Fee Required)

Mobile/Modular home/travel trailer Parks per space	\$135.00
Temporary Construction Meter / Heat Release	\$65.00
Electric Well Line	\$65.00
Re-inspection fee	\$100.00
Partial Inspection Fee or Extra Inspection Fee	\$100.00

**Required Inspections are (1) A service underground system; (2) A rough-in prior to insulation and drywall; and (3) A final prior to occupancy.*

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L-3 Mechanical Permit Fees (Includes Fuel Gas Permit Fees)

A) RESIDENTIAL INSTALLATION: new construction, remodel, addition.

Base Fee	\$ 25.00
Installation or relocation of each forced-air or gravity-type furnace or burner including ducts and vents attached to such appliance, up to and including 100,000 Btu/h	\$ 75.00
Installation or relocation of each forced-air or gravity-type furnace or burner, including ducts and vents attached to such appliance, over 100,000 Btu/h	\$ 95.00
Installation, relocation, or replacement of each appliance vent installed and not included in an appliance permit	\$ 50.00
Installation or relocation of each boiler, water heater, gas fireplaces or compressor up to and including 3 HP , or each absorption system up to and including 100,000 Btu/h	\$ 45.00
Installation or relocation of each boiler or compressor over 3 HP or each absorption system over 100,000 Btu/h	\$ 50.00
Inspection of high efficiency flue (each system)	\$ 50.00
For each air handling unit up to and including 10,000 cfm including attached ducts Note: This fee shall not apply to an air handling unit which is a portion of a factory assembled appliance, cooling unit, evaporative cooler or absorption unit for which a permit is required elsewhere in the code.	\$ 45.00
For each air handling unit over 10,000 cfm	\$ 50.00
For each evaporative cooler other than portable type	\$ 30.00
Installation of each hood which is served by mechanical exhaust including the ducts	\$ 75.00
Appliances or equipment regulated by this code not classed in other appliance categories, for which no other fee is listed in this code, (i.e. Pellet or Wood burning Stoves and Wood Fireplaces.)	\$ 50.00
Fuel gas piping system (number of outlets)	No. x \$ 20.00
Fuel gas pressure regulator	No. x \$ 30.00

TOTAL

The use of an existing flue system will require compliance with current adopted codes.

B) FLAT FEE PERMIT: No Base fee required.

Bonding inspection of CSST by electrical inspector	\$100.00
Backflow preventer – Lawn Irrigation	\$100.00
Mobile/Modular home connection (1 trip – sewer, water, gas)	\$100.00

C) MISCELLANEOUS FEES:

Re-inspection Fee	\$100.00
Partial/Extra Inspections Fee	\$100.00

D) Commercial Installations:

Valuation (Total contract amount) of labor & materials; Fee is \$20.00 per thousand (round to next thousand) plus \$25.00 base fee. (EXAMPLE: VALUATION is \$8400.00 (round up to \$9000.00)
9x \$20.00= \$180.00+\$25.00= Total Fee \$205.00)

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L-4 -Plumbing Permit Fees (Includes Fuel Gas Permit Fees)

A) RESIDENTIAL INSTALLATION: new construction, remodel, addition.

Plumbing Fixtures (Tub, Shower, Toilet, Sink, Bidet, Clothes Washer, Dishwasher.)

\$20.00 x number of fixtures

Fuel Gas Piping Only System (by number of outlets i.e. furnace, water

\$20.00 x number of fixtures

heater, Fireplace, dryer, stove etc.) **Complete Gas Calculations Required**

Fuel Gas Pressure Regulator

\$30.00 x number of fixtures

PLUS BASE FEE \$ 65.00

B) RESIDENTIAL SPECIAL INSPECTIONS:

FLAT FEES

Bonding Inspection of CSST by Electrical Inspector

\$100.00

Water Heater Replacement (Tank type or on demand)

\$100.00

Backflow Preventer (or new installation for yard or fire sprinkler system)

\$100.00

Water/Sewer service (exterior water/sewer service per inspection)

\$100.00

Mobile home lot connections / Modular (one trip – sewer, water & gas)

\$100.00

Trim Only Permit (only allowed if plumbing rough inspection has been completed)

\$100.00

C)Commercial Installations:

Valuation (Total Contract Amount) of labor & materials; fee is \$20.00 per thousand (rounded up to the next thousand) plus \$65.00 base fee. (EXAMPLE: VALUATION is \$8,400.00(round to \$9,000.00)

9 x \$20.00= \$180.00+\$65.00= Total Fee \$245.00)

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L-5 - Building Plan Review Fees

For permits requiring plan review, a plan review fee equal to 10% of the building permit fee shall be charged.

Building Plan Review under the Chaffee County Building Code (other than in conjunction with a building permit application) - \$250

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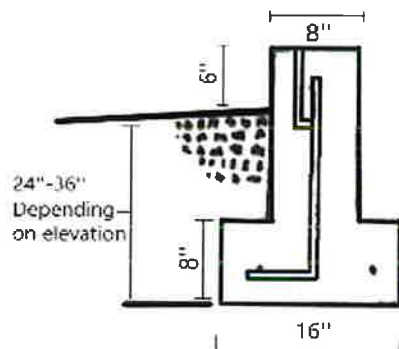
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Exhibit M to Ordinance 2023-01

Chaffee County Minimum Footing/Foundation Requirements

Page #1 See Page 2 for depth and other details



Perimeter Foundation

REINFORCEMENT-

FOOTING- 2 #4 (1/2 inch) continuous, lapped 16 inches bent around corners.

CONCRETE FOUNDATION- Horizontally 1 #4 at 2 Ft. on center

Vertically 1 #4 at 3 Ft on center

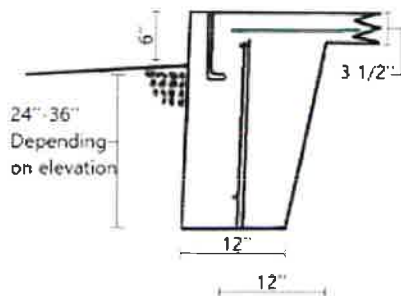
BLOCK FOUNDATION- Horizontally joint reinforcement every other course.

Vertically 1 #4 at 3 ft on center (32" O.C)

FOUNDATION BOLTS- 1/2 inch Embedded a minimum of 7". Spaced maximum 6 Ft on center. One within 12" of each end at sill plate joints (minimum 2 in each sill plate)

6 inch width max. 6' height supporting 1 floor and 1 roof

Rebar minimum #4 2' OC each way (with minimum 2 horizontal)

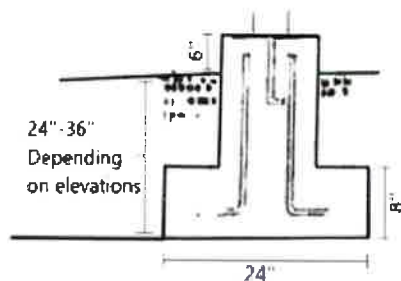


Monolithic Foundation

Monolithic foundation must be into undisturbed soil. All vegetation must be removed under slab. Any till used must be clean and properly compacted.

REINFORCEMENT- Horizontally 2 #4 (1/2 inch) continuous lapped 16" and bent around corners. Provide vertical rebar to support the horizontal rebar in proper position. 6"x6" welded wire mech with 6" laps.

FOUNDATION BOLTS- Same as above.



Patio, Deck, Carport Column Pad

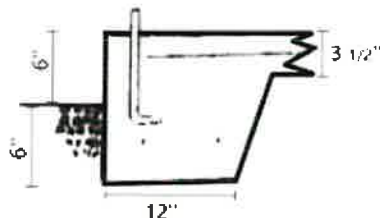
Design may be square or circular

REINFORCEMENT- 2 #4 (1/2 inch) rebar if connecting two pours together.

Column base or other type of approved connector is needed.

Concrete above grade is only needed when using a wood post that is untreated or not of a type with natural resistance to decay.

Decks (without roof) that are less than 4' high may use 12" diameter concrete without spread footing, if supporting less than 50 sq. ft.



Detached Single Story Accessory Structure

Under 400 Sq. Ft.

Monolithic foundation must be into undisturbed soil. All vegetation must be removed under slab. Any till used must be clean and properly compacted.

REINFORCEMENT- Horizontally 2 #4 (1/2 inch) continuous lapped 16" and bent around corners. 6"x6" welded wire mech with 6" laps.

FOUNDATION BOLTS- Same as above.

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Chaffee County Minimum Footing/ Foundation Requirements

Page M-2

All Foundation systems must have cast in place perimeter footings with the exception of professionally designed systems, open carports, patios and decks.

Footings/Foundation systems must meet the minimum requirements herein unless required to be designed by the building official. Example: Some structures will need larger footings because of heavier loads.

All footings adjacent to the slopes must comply with applicable codes (2015 I.R.C Section R403 and 2015 I.B.C Section 1808) and this information must be provided with the application.

Concrete shall have a minimum compressive strength of 3000 psi at 28 days. Concrete exposed to the weather must be air-entrained with not less than 5% or more than 7%.

All reinforcement must be clean and properly supported in place (no rocks or bricks) for inspection. Bent verticals and anchor bolts must be onsite for inspection.

Minimum Footing Depths

Up to 8,000 Feet elevation above sea level	24 inches below finished grade
8,001-10,000 Feet elevations above sea level	30 inches below finished grade
Above 10,000 Feet above sea level	36 inches below finished grade

The bottom of the footing will need to be placed at the greatest depth that is indicated for your specific site. The elevation of the site shall be determined by Google Earth, a Professional Land Surveyor or a Professional Engineer.

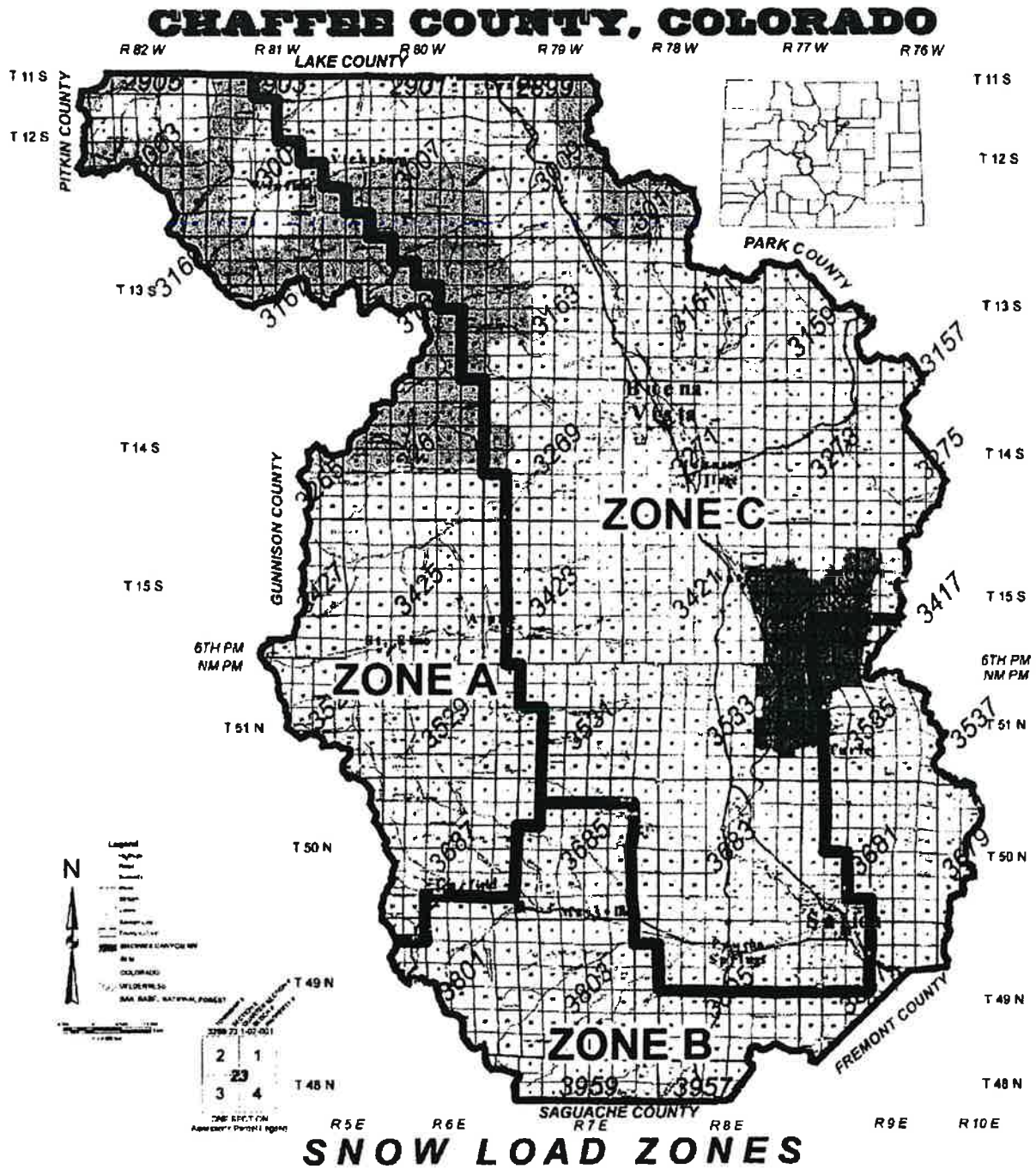
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Exhibit N to Ordinance 2023-01



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Altitude	A	B	C
7000	50	40	40
7100	52	40	40
7200	54	41.5	40
7300	56	43	40
7400	58	45	40
7500	60	47	40
7600	62.25	49	40
7700	64.5	51	40
7800	66.75	53	40
7900	69	55	40
8000	71.25	57	40
8100	73.5	59	43
8200	76	61	46
8300	78.5	63	49
8400	81	65	52
8500	83.5	67.5	54
8600	86	70	56
8700	88.5	72.5	58
8800	91	75	60
8900	93.5	77.5	62
9000	96	80	64
9100	99	82.5	66
9200	102	85	68
9300	105	87.5	70
9400	108	90	72.5
9500	111	92.5	75
9600	114	95	77.5
9700	117	97.5	80
9800	120	100	82.5
9900	123.5	102.5	85
10000	127	105	87.5
10100	130.5	108	90
10200	134	111	92.5
10300	137.5	114	95
10400	141	117	97.5
10500	144.5	120	100
10600	148	123	102.5
10700	151.5	126	105
10800	155	129	107.5
10900	158.5	132	110
11000	162	135	113
11100	166	138	116
11200	170	141.5	119
11300	174	145	122
11400	178	148.5	125
11500	182	152	128

Basic snow design loads

In pounds per square foot

In no case shall the roof snow load be reduced to less than 35psf

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CHAFFEE COUNTY

BUILDING SAFETY DEPARTMENT

104 Crestone Ave., Room 125 P.O. Box 699

Salida, Colorado 81201

(719) 539-2124 FAX: (719) 530-9208 bdepartment@chaffeecounty.org

The text in black identifies code amendments that were passed with the adoption of the 2015 series of I codes. We are proposing to continue with these code amendments with this current adoption. The text that is underlined are new proposed amendments for the 2021 series if I codes.

2021 ICC Appendix Adoptions

2021 International Building Code

Appendix C – Group U – Agricultural Buildings

Appendix G – Flood Resistant Construction

Appendix H – Signs

Appendix I – Patio Covers

2021 International Residential Code

Appendix AA – Sizing and Capacities Of Gas Piping

Appendix AB – Sizing of Venting Systems Serving Appliances Equipped with Draft Hoods, Category 1 Appliances and Appliances Listed for Use with Type B Vents

Appendix AC – Exit Terminals OF Mechanical Draft and Direct-Vent Venting Systems

Appendix AG – Piping Standards for Various Applications

Appendix AH – Patio Covers

Appendix AJ – Existing Buildings and Structures

Appendix AN – Venting Methods

Appendix AQ – Tiny Houses

2021 International Fire Code

Appendix Chapter B – Fire-Flow Requirements for Buildings

Appendix Chapter C – Fire Hydrant Locations and Distribution

Appendix Chapter D – Fire Apparatus Access Roads

Appendix Chapter H – Hazardous Materials Management Plan (HMMP) And Hazardous Materials inventory Statement (HMIS) Instructions

Appendix Chapter I – Fire Protection Systems – Noncompliant Conditions

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2021 International Fuel Gas Code

Appendix Chapter A (IFGS) – Sizing and Capacities of Gas Piping

2021 International Mechanical Code

Appendix A – Chimney Connector Pass-Throughs

2021 International Plumbing Code

Appendix Chapter B – Rates of Rainfall for Various Cities

Appendix Chapter C – Structural Safety

Appendix Chapter E – Sizing of Water Piping System

2021 International Existing Building Code

Appendix B – Supplementary Accessibility Requirements for Existing Buildings and Facilities