

## **ORDINANCE NO. 656**

**AN ORDINANCE ADOPTING THE INTERNATIONAL BUILDING CODE, 2018 EDITION, INCLUDING APPENDIX CHAPTERS C, E, AND J; INTERNATIONAL RESIDENTIAL CODE, 2018 EDITION INCLUDING APPENDIX CHAPTER B, C, E, F, and Q; INTERNATIONAL EXISTING BUILDING CODE, 2018 EDITION; NATIONAL ELECTRICAL CODE as Adopted by the State of Colorado Electrical Board; INTERNATIONAL MECHANICAL CODE, 2018 EDITION; INTERNATIONAL ENERGY CONSERVATION CODE, 2018 EDITION; INTERNATIONAL PLUMBING CODE, 2018 EDITION; INTERNATIONAL FUEL GAS CODE, 2018 EDITION; International Property Maintenance Code 2018 Edition, ALL REGULATING THE ERECTION, CONSTRUCTION, ENLARGEMENT, ALTERATION, REPAIR, MOVING, REMOVAL, DEMOLITION, CONVERSION, OCCUPANCY, EQUIPMENT, USE, HEIGHT, AREA AND MAINTENANCE OF ALL BUILDINGS OR STRUCTURES, AND BUILDING SERVICE EQUIPMENT; REPEALING ALL CONFLICTING ORDINANCES; PROVIDING FOR SEVERABILITY; AND PROVIDING AN EFFECTIVE DATE.**

**WHEREAS**, Colorado Revised Statutes 31-16-201 to 208 provide that municipalities may adopt certain codes and standards by reference; and

**WHEREAS**, pursuant to CRS 31-16-204, the Board may alter and amend any building code; and

**WHEREAS**, notice of the hearing shall be published twice in a newspaper of general circulation in the adopting municipality, once a least fifteen days preceding the hearing and once a least 8 days preceding it; if there is no such newspaper, the notice shall be posted in the same manner as provided for the posting of a proposed ordinance; the notice shall state the time and place of the hearing; and

**WHEREAS**, the International Code Council and similar bodies have updated and improved the codes; and

**WHEREAS**, the Board finds the fees set forth herein are reasonable and necessary to cover the expected normal costs of plan review and inspection associated with the permits in question; and

**WHEREAS**, the Building Official has reviewed the new codes and recommends their adoption.

**NOW, THEREFORE BE IT ORDAINED BY THE BOARD OF TRUSTEES OF THE TOWN OF OAK CREEK, COLORADO AS FOLLOWS:**

**Section 1: Amendment and Restatement of Existing Codes.** The currently effective building codes adopted by Ordinance No. 647 and Ordinance No. 633 together with any previously adopted building codes not previously repealed or amended are hereby amended and restated by reference to the codes and materials described as follows:

**A. International Building Code - Adoption.**

There is hereby adopted by Routt County (or "County"), for the purpose of providing minimum standards to safeguard life or limb, health, property, and public welfare by regulating and controlling the design, construction, quality of materials, use and occupancy, location and maintenance of all buildings and structures within the County, that certain code known as the International Building Code, 2018 Edition, including Appendix Chapters C and J, published by the International Code Council, Inc. The Code, and the whole thereof, but with the amendments and deletions set forth below, is adopted by reference thereto the same as if set forth in length in this section.

**International Building Code - Amendments and Deletions.**

The International Building Code, 2018 Edition, is subject to the following amendments and deletions:

**Section 101.1 Title.** These regulations shall be known as the Building Code of Routt County Colorado, hereinafter referred to as "this code."

**Section 103.1 Creation of Enforcement Agency,** is amended to read as follows:

The Building Department is hereby created and the official in charge shall be known as the building official.

**Section 105.2 Work exempt from permit, Item 2,** is amended to read as follows:

2. - Fences not over 6' (2134 mm)

**Section 105.5 Expiration,** is amended to read as follows:

Every permit issued shall become invalid unless the work on the site authorized by such permit is commenced within 180 days after issuance, or if the work authorized on the site by such permit is suspended or abandoned for a period of 180 days after the time the work is commenced.

All building permits shall automatically expire three years from the date of issuance and no further work on the project for which the permit was issued shall be done unless a renewal permit is requested in writing and approved prior to the expiration date of the original permit.

Renewal permit request shall be requested in writing and justifiable cause demonstrated. Upon review of the request and after an on-site inspection is completed the Routt County Regional Building Department may authorize or deny the renewal permit request.

Renewal permits shall become invalid unless the work on the site authorized by such permit is commenced within 180 days after issuance, or if the work authorized on the site by such permit is suspended or abandoned for a period of 180 days after the time the work is commenced. Renewal permits shall automatically expire one year from the date of issuance and no further work on the project for which the permit was issued shall be done. Time extensions for a renewal permit shall be requested in writing and justifiable cause demonstrated, Routt County Regional Building Department may authorize or deny the time extension request.

If approved a renewal permit for the originally permitted work shall be issued upon payment based upon the valuation of the remaining work, current codes and current fee schedules. A renewal permit may be obtained only if no changes have been made to the construction documents submitted with the original permit application.

**Section 107 Submittal Documents, [A] 107.1 General,** is amended to read as follows:

Submittal documents consisting of construction documents, statement of special inspections, geotechnical report and other data shall be submitted electronically with each permit application. The construction documents shall be prepared by a registered design professional where required by the statutes of the jurisdiction in which the project is to be constructed. Where special conditions exist, the building official is authorized to require additional construction documents to be prepared by a registered design professional. **Exception:** The building official is authorized to waive the submission of construction documents and other data not required to be prepared by a registered design professional if it is found that the nature of the work applied for is such that review of construction documents is not necessary to obtain compliance with this code.

**Section 109.3.1 Construction Use Tax Valuation**

Construction Use Tax may be collected by the Building Department at the time of Building Permit Application submittal. A Construction Use Tax Valuation shall be provided by the permit applicant in accordance with the relevant jurisdiction's Resolution or Ordinance defining Construction Use Tax Valuation. The relevant jurisdiction may review the valuation and if it is determined that the valuation is underestimated on the application, the permit shall be denied unless the applicant can show detailed estimates to meet the approval of the relevant jurisdiction. Final Construction Use Tax Valuation shall be determined by the relevant jurisdiction.

**Section 901.1 Scope**, is amended to add a second paragraph as follows:

The fire code official shall have the authority to adopt additional standards for fire protection systems subject to applicable provisions of State statutes and home rule charter. The fire code official shall be responsible for permitting and reviewing fire sprinkler systems and fire alarm systems, in lieu of no fire code official then applicants must work directly with the State of Colorado Department of Fire Prevention.

**Section 903.2.8 Group R**, is amended to add the following exception:

**EXCEPTION:** An automatic sprinkler system is not required in multi-use buildings, two stories or less with no more than 2 dwelling units, and an automatic and manual fire alarm system is installed in accordance with NFPA 72. Sprinkler systems required by other sections and other codes must still be provided.

**Section 907.2.1 Group A, Exception**, is hereby deleted.

**Section 907.2.2 Group B, Exception**, is hereby deleted.

**Section 907.2.4 Group F, Exception**, is hereby deleted.

**Section 907.2.7 Group M, Exception 2**, is hereby deleted.

**Section 907.2.8.1 Manual fire alarm system, Exception 2**, is hereby deleted.

**Section 907.2.9.1 Group R-2, Exception 2**, is hereby deleted.

**Section 1011.2 Width and capacity**, is amended to read as follows:

The required capacity of stairways shall be determined as specified in Section 1005.1, but the minimum width shall be not less than 48 inches (1219 mm). See Section 1009.3 for accessible means of egress stairways.

**Section 1011.2 Width and capacity. Exception 1**, is amended to read as follows:

1. Stairways serving one individual dwelling unit in Group R, Division 1 or 2, or serving Group U Occupancies may be 36 inches (914 mm) in width.

**Section 1206.2 Air-borne sound**, the first sentence of this section is amended to read as follows:

Walls, partitions and floor/ceiling assemblies separating dwelling units from each other or from public or service areas shall have a sound transmission class (STC) of not less than 49 (45 if field tested) for air-borne noise when tested in accordance with ASTM E 90.

**Section 3202 Encroachments above grade and below 8 feet in height**, is amended to read as follows:

Encroachments into the public right-of-way above grade and below 8 feet (2438 mm) in height shall be prohibited except as provided for in Section 3202.2.3. Doors and windows shall not open or project into the public right-of-way.

**Section 3202.2.1 Steps**, is hereby deleted.

**Section 3202.2.2 Architectural features**, is amended to read as follows:

Columns, pilasters, moldings, bases, belt courses, lintels, sills, architraves, pediments and similar architectural features shall not project more than 4 inches (102 mm).

**Section 3202.3.1 Awnings, canopies, marquees and signs**, is amended to read as follows:

Awnings, canopies, marquees and signs shall be supported entirely by the building and constructed of noncombustible materials or, when supported by a building of Type V construction, may be of one-hour fire-resistive construction. Awnings, canopies, marquees and signs shall not extend more than 4 feet (1220 mm) from the building.

**Section 3202.3.3 Encroachments 15 feet or more above grade**, is hereby deleted.

**Appendix Section J102 Definitions. WELL** is added to read as follows:

**WELL.** A water well.

## **B. International Residential Code – Adoption.**

There is hereby adopted by the County, for the purpose of providing minimum standards to safeguard life or limb, health, property, and public welfare by regulating and controlling the design, construction, quality of materials, use and occupancy, location and maintenance of one and two-family dwellings within the County, that certain code known as the International Residential Code, 2018 Edition, including Appendix Chapters E and Q, published by the International Code Council, Inc. The Code, and the whole thereof, but with the amendments and deletions set forth below, is adopted by reference thereto the same as if set forth in length in this section.

### **International Residential Code – Amendments and Deletions.**

**Section R103.1 Creation of Enforcement Agency**, is amended to read as follows:

The Building Department is hereby created and the official in charge shall be known as the building official.

**Section R105.2 Work exempt from permit**, is amended to read:

**Building:**

1. One story detached accessory structure used as tool and storage sheds, playhouses and similar uses, provided the floor area does not exceed 120 square feet (11.5 m<sup>2</sup>) and wall height does not exceed 11'4" total height from finished floor to top of plate.
2. Fences not over 6' (2134 mm)

**Section R105.5 Expiration**, is amended to read as follows:

Every permit issued shall become invalid unless the work on the site authorized by such permit is commenced within 180 days after issuance, or if the work authorized on the site by such permit is suspended or abandoned for a period of 180 days after the time the work is commenced.

All building permits shall automatically expire three years from the date of issuance and no further work on the project for which the permit was issued shall be done unless a renewal permit is requested in writing and approved prior to the expiration date of the original permit.

Renewal permit request shall be requested in writing and justifiable cause demonstrated. Upon review of the request and after an on-site inspection is completed the Routt County Regional Building Department may authorize or deny the renewal permit request.

Renewal permits shall become invalid unless the work on the site authorized by such permit is commenced within 180 days after issuance, or if the work authorized on the site by such permit is suspended or abandoned for a period of 180 days after the time the work is commenced. Renewal permits shall automatically expire one year from the date of issuance and no further work on the project for which the permit was issued shall be done. Time extensions for a renewal permit shall be requested in writing and justifiable cause demonstrated, Routt County Regional Building Department may authorize or deny the time extension request.

If approved a renewal permit for the originally permitted work shall be issued upon payment based upon the valuation of the remaining work, current codes and current fee schedules. A renewal permit may be obtained only if no changes have been made to the construction documents submitted with the original permit application.

**Section R106 Construction Documents** is amended to read as follows:

Submittal documents consisting of construction documents, statement of special inspections, geotechnical report and other data shall be submitted electronically with each permit application. The construction documents shall be prepared by a registered design

professional where required by the statutes of the jurisdiction in which the project is to be constructed. Where special conditions exist, the building official is authorized to require additional construction documents to be prepared by a registered design professional.

**Exception:** The building official is authorized to waive the submission of construction documents and other data not required to be prepared by a registered design professional if it is found that the nature of the work applied for is such that review of construction documents is not necessary to obtain compliance with this code.

### **Section 108.3.1 Construction Use Tax Valuation**

Construction Use Tax may be collected by the Building Department at the time of Building Permit Application submittal. A Construction Use Tax Valuation shall be provided by the permit applicant in accordance with the relevant jurisdiction's Resolution or Ordinance defining Construction Use Tax Valuation. The relevant jurisdiction may review the valuation and if it is determined that the valuation is underestimated on the application, the permit shall be denied unless the applicant can show detailed estimates to meet the approval of the relevant jurisdiction. Final Construction Use Tax Valuation shall be determined by the relevant jurisdiction.

**Table R301.2(1) CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA**, is completed as follows:

- Ground Snow Load – Case Study Area contact the Building Department for Ground Snow Load Valuations per site.
- Climate Zone 7
- Wind Speed – 115 MPH (ultimate design wind speed)
- Topographic Effects – No
- Seismic Design Category – C Note: When approved by the Structural Engineer of Record through review of the Geotechnical Soils Report and Soils Site Class, the Seismic Category may be reduced by the Engineer of Record based on the known Soils Site Class and in accordance with ASCE-7 or Chapter 16 of the IBC.
- Subject to Damage by Weathering – Severe
- Subject to Damage by Frost line Depth – 48 inches (1220mm)
- Subject to Damage by Termite – None to slight
- Subject to Damage by Decay – None to slight
- Winter Design:
  - Outdoor Winter Design Dry-Bulb Temperature – -15°F (-26°C)
  - Indoor Winter Design Dry-Bulb Temperature: 70° F (21° C)
  - Coincident Wet Bulb: 56° F (13° C)
  - Heating temperature Difference: 85° F (29° C)
- Summer Design:
  - Outdoor Summer Design Dry-Bulb Temperature: 85° F (29° C)
  - Indoor Summer Design Dry-Bulb Temperature: 75° F (24° C)
  - Design Grains: Varies based on weather data Range: -35 to -55

- Cooling Temperature Difference: 10° F (-12° C)
- Elevation: Varies Elevation by address can be found at:  
[https://elevation.maplogs.com/poi/routt\\_county\\_co\\_usa.12879.html](https://elevation.maplogs.com/poi/routt_county_co_usa.12879.html)
- Altitude Correction: Varies
  - 7,000' 0.77
  - 8,000' 0.75
  - 9,000' 0.72
  - 10,000' 0.69
  - 12,000' 0.63
- Latitude : 40° North
- Ice Shield Underlayment Required – Yes
- Flood Hazards – FIRM, February 4, 2005
- Air Freezing Index – Steamboat 2239
- Mean Annual Temperature – 40-45°F (4.5-7.2°C)
- Ground Snow Load Values are Governed by Routt County Regional Building Department based on geographic location. Please visit our home page and click on Ground Snow Load Values for site-specific information.

**Section R311.7.8 Handrails.** amended to read as follows adding exception:

Exception: A Handrail shall not be required if you have four total risers and the total vertical drop from top of treads, landing, or floor level is not greater than 30 inches measured vertically to the floor or grade below at any point within 36 inches horizontally to the edge of the open sides.

**Section R313 Automatic fire sprinkler systems,** is hereby deleted.

**Section R325.6 Item 3** is amended to read as follows:

3. The occupiable attic space is enclosed by the roof assembly above intersecting and connecting directly to the top of the floor-ceiling assembly on the story below with a maximum vertical height on the sides from the top of finished floor-ceiling assembly to top of finished roof deck to be no more than 20" tall.

**Section R408.3 Unvented Crawl Space** amended to read as follows adding item 2.5

- 2.5 Ventilation Equipment installed under 2.1 and 2.2 may operate intermittently for a minimum of 1-hour for every 24-hour period, if exhaust only system is installed in accordance with 2.1, or when a dedicated HRV/ERV fan is installed to serve only the crawl space area under section 2.2.

**Section R601.2 Requirements,** is amended to read as follows:

Wall construction shall be capable of accommodating all loads imposed according to Section 301 and of transmitting the resulting loads to the supporting structural elements. All tables and Applicability Limits in this chapter that use roof live load less



than 50 psf or ground snow load of 70 psf or less are hereby unusable for design in this jurisdiction.

**Section R602.10.8.2 Connections to roof framing Item 1**, is amended to read as follows:

For SDC A, B and C and wind speeds less than 100 miles per hour (45 m/s), where the distance from the top of the rafters or roof trusses and perpendicular top plates is 15.25 inches (387mm) or less, the rafters or roof trusses shall be connected to the top plates of braced wall lines in accordance with Table 602.3(1) and with blocking in accordance with Figure R602.10.8.2(1). Blocking shall be attached to top plate per Table 602.3(1).

**Section R703.8.3 Lintels**, is amended to read as follows:

Masonry veneer shall not support any vertical load other than the dead load of the veneer above. Veneer above openings shall be supported on lintels of noncombustible materials. The lintels shall have a length of bearing not less than 4 inches (102mm). Steel lintels over openings or steel lintels that are less than 4 inches (102mm) above finished grade shall be coated with a rust-inhibitive paint, except for lintels made of corrosion resistance steel or steel treated with coating to provide corrosion resistance. Construction of openings shall comply with either Section R703.8.3.1 or 703.8.3.2.

**Section R801.2 Requirements**, is amended to read as follows:

Roof and ceiling construction shall be capable of accommodating all loads imposed according to Section 301 and of transmitting the resulting loads to the supporting structural elements. All Tables and Applicability Limits in this chapter that use roof live load less than 50 psf or ground snow load of 70 psf or less are hereby unusable for design in this jurisdiction.

**Section R1004.4 Unvented gas log heaters**, is hereby deleted.

**Chapter 11 Energy Efficiency** is hereby deleted and replaced with the following:

**N1101.1 Scope:**

This chapter governs the design and construction of buildings for energy efficiency.

**N1101.1.1 Criteria:**

Buildings shall be designed and constructed in accordance with the International Energy Conservation Code Residential requirements.

**Section G2406.2 (303.3) Prohibited locations. Exception 3**, is hereby deleted.

**Section G2406.2 (303.3) Prohibited locations. Exception 4**, is hereby deleted.

**Section G2406.2.1 (303.7) Liquid propane gas appliance in a pit or basement**

Liquefied petroleum gas-burning appliances shall not be installed in a pit, basement or similar location where heavier-than-air gas might collect, unless the following conditions are met:

1. A listed propane gas detector with alarm shall be installed. A listed solenoid gas valve shall be installed on the gas line that supplies all propane appliances located in the basement or pit. Upon detection of gas an alarm shall sound and the solenoid gas valve shall close.

**Section G2420.5.3 (409.5.3) Located at manifold**, is hereby deleted.

**Section G2433 (603) Log Lighters**, is hereby deleted.

**Section G2445.2 (621.2) Prohibited use**, is amended to read as follows:

Unvented room heaters are not to be installed in dwelling units.

**Section G2445.7 (621.7) Unvented decorative room heaters**, is hereby deleted.

**Section G2445.7.1 (621.7.1) Ventless firebox enclosures**, is hereby deleted.

**P2503.5.1 Rough Plumbing** amended to read as follows:

DWV systems shall be tested on completion of the rough piping installation by water or by air, without evidence of leakage. Either test shall be applied to the drainage system in its entirety or in sections after rough-in piping has been installed, as follows:

**Section P2604.2 Water service installation** amended to read as follows:

Water service pipe and the building sewer shall be separated as required by policy established by the city. No exceptions.

**P2503.7 Water-supply system testing** amended to read as follows:

Upon completion of the water-supply system or a section of it, the system or portion completed shall be tested and proved tight under a water pressure of not less than the working pressure of the system or, by an air test of not less than 50 psi (345 kPa). This pressure shall be held for not less than 15 minutes. The water used for tests shall be obtained from a potable water source.

**Section P3011 Indirect/Special Waste**

**P3011 Neutralizing device required for corrosive wastes.**

Corrosive liquids, spent acids or other harmful chemicals that destroy or injure a drain, sewer, soil or waste pipe, or create noxious or toxic fumes or interfere with sewage

treatment processes shall not be discharged into the plumbing system without being thoroughly diluted, neutralized or treated by passing through an approved dilution or neutralizing device. Such devices shall be automatically provided with a sufficient supply of diluting water or neutralizing medium so as to make the contents noninjurious before discharge into the drainage system. The nature of the corrosive or harmful waste and the method of its treatment or dilution shall be approved prior to installation.

**Section P3005.2.10 Cleanout access.** Exception Added to read as follows:

**Exception:**

1. Access shall not be required to One (1) Sanitary Test-Tee Cleanout per building where installed below grade and within the building envelope. The Clean-Out Plug must be installed in accordance with Section 3005.6 and permanently glued prior to backfilling.

**Chapter 34 General Requirements.**

**Section E3401.1 Applicability,** is National Electric Code currently adopted by State of Colorado.

**Chapter 44 REFERENCED STANDARDS, ICC 400-2012 Standard on the Design and Construction of Log Structures,** is hereby amended to read as follows:

Where the standard provides satisfactory information for construction of log structures, Section 305.4 Thermal mass effect of log walls shall be evaluated in accordance with IECC Section R402.2.5 Mass walls or similar provisions in ICC 400-2007.

**SECTION AQ106 Energy Conservation** amended to read as follows:

**Definitions Tiny House:** A dwelling that is 500 square feet or less in floor area excluding lofts.

**AQ106.1** Tiny Homes constructed under Appendix Q shall follow Chapter 4 of the 2018 International Energy Conservation Code for Energy Code Compliance.

**C. International Existing Building Code – Adoption.**

There is hereby adopted by the County, for the purpose of providing minimum life safety requirements for all existing buildings within the County that undergo alteration or a change in use, that certain code known as the International Existing Building Code, 2018\_Edition, published by the International Code Council, Inc. The Code, and the whole thereof, but with the amendments and deletions set forth below, is adopted by reference thereto the same as if set forth in length in this section.

**International Existing Building Code - Amendments.**

**Section 103.1 Creation of Enforcement Agency**, is amended to read as follows:

The Building Department is hereby created and the official in charge shall be known as the building official. Building official shall be synonymous with code official in all other references in this code.

**D. 2018 International Property Maintenance Code .**

There is hereby adopted by the County, for the purpose of providing a just, equitable and practicable method, to be cumulative with and in addition to any other remedy available by law whereby buildings or structures in the city which from any cause endanger the life, limb, health, property, safety or welfare of the general public or their occupants may be required to be repaired, vacated or demolished, that certain code known as the 2018 International Property Maintenance Code.

**International Property Maintenance Code Deletions:**

Chapters 3, 4, 5, 6, 7, 8, and Chapter Appendix A are hereby deleted .

**E. National Electrical Code - Adoption.**

There is hereby adopted by the County, for the purpose of regulating the installation and use of electric conductors and equipment within the County, that certain code known as the National Electric Code published by the National Fire Protection Association as adopted and amended by the State of Colorado. The State of Colorado adopts and amends the Code from time to time. The then-current edition that the State adopts as well as any and all amendments, is adopted by reference thereto the same as if set forth in length in this section.

**F. International Code Council Electrical Code, Administrative Provisions, Adoption.**

There is hereby adopted by the County, for the purpose of providing minimum standards to safeguard life or limb, health, property and public welfare by regulating and controlling the design, construction, installation, quality of materials, location, operation, and maintenance or use of electrical systems and equipment within the County, that certain code known as the International Code Council Electrical Code, Administrative Provisions, 2018 Edition, published by the International Code Council, Inc. The Code, and the whole thereof, but with the amendments and deletions set forth below, is adopted by reference thereto the same as if set forth in length in this section.

**International Code Council Electrical Code, Administrative Provision – Amendments.**

**Section 301.1 Creation of enforcement agency**, is amended to read as follows:

The Building Department is hereby created and the official in charge shall be known as the building official. The building official shall appoint an electrical inspector to assist the building department in the administration and enforcement of this code. Building official shall be synonymous with code official in all other references in this code.

**Section 1201.1.1 Adoption**, is amended to read as follows:

Electrical systems and equipment shall be designed and constructed in accordance with the most current electrical code adopted by the State of Colorado Electrical Board.

**G. International Mechanical Code – Adoption.**

There is hereby adopted by the County, for the purpose of regulating and controlling the design, construction, installation, quality of materials, erection, installation, alteration, repair, location, relocation, replacement, addition to, use or maintenance of heating, ventilating, cooling, refrigeration systems, incinerators and other miscellaneous heat-producing appliances in the County, that certain code known as the International Mechanical Code, 2018 Edition; published by the International Code Council, Inc. The Code, and the whole thereof, but with the amendments and deletions set forth below, is adopted by reference thereto the same as if set forth in length in this section.

**International Mechanical Code – Amendments.**

The International Mechanical Code, 2018 Edition, is subject to the following amendments:

**Section 103.1 Creation of Enforcement Agency**, is amended to read as follows:

The Building Department is hereby created and the official in charge shall be known as the building official. Building official shall be synonymous with code official in all other references in this code.

**Section 903.3 Unvented gas log heaters**, is hereby deleted.

**H. International Energy Conservation Code – Adoption**

There is hereby adopted by the County for the purpose of regulating and governing energy efficient building envelopes and installation of energy efficient mechanical, lighting and power systems as herein provided; providing for the issuance of permits and collection of fees therefor; the certain code known as the International Energy Conservation Code, 2018 Edition published by the International Code Council, Inc. The Code, and the whole thereof, but with the amendments and deletions set forth below, is adopted by reference thereto the same as if set forth in length in this section.

**Table R402.1.2 Insulation and Fenestration Requirements by Component** is amended to read as follows for Climate Zone 7 and 8.

FENESTRATION U-FACTOR <sup>b</sup>	SKYLIGHT <sup>b</sup> U-FACTOR	GLAZED FENESTRATION SHGC <sup>b,e</sup>	CEILING R-VALUE	WOOD FRAME WALL R-VALUE	MASS WALL R-VALUE <sup>i</sup>	FLOOR R-VALUE	BASEMENT <sup>c</sup> WALL R-VALUE	SLAB <sup>d</sup> R-VALUE & DEPTH	CRAWL SPACE <sup>c</sup> WALL R-VALUE
0.30	0.55	NR	49	20+5 <sup>h</sup> or 22+3 <sup>h</sup> or 27+0	15/20	30 <sup>e</sup>	15/19	10,4ft.	15/19

**Footnote H** amended to read as follows:

The first value is cavity insulation, the second value is continuous insulation. Therefore, as an example, “20+5” means R-20 cavity insulation plus R-5 continuous insulation. Refer to section R402.2.7 for walls with partial structural sheathing and any reductions in continuous insulation

**I. International Plumbing Code – Adoption.**

There is hereby adopted by the County, for the purpose of regulating and controlling design, construction, installation, quality of materials, erection, installation, alteration, repair, location, relocation, replacement, addition to, use or maintenance of any plumbing system within the County, that certain code known as the International Plumbing Code, 2018 Edition published by the International Code Council, Inc. The Code, and the whole thereof, but with the amendments and deletions set forth below, is adopted by reference thereto the same as if set forth in length in this section.

**International Plumbing Code - Amendments and Deletions.**

The International Plumbing Code, 2018 Edition, is subject to the following amendments:

**Section 103.1 Creation of Enforcement Agency**, is amended to read as follows:

The Building Department is hereby created and the official in charge shall be known as the building official. Building official shall be synonymous with code official in all other references in this code.

**Section 107.2 Required inspections and testing, Item 1**, is amended to read as follows:

1. Underground inspection shall be made in accordance with the specifications of the city and before any backfill is put in place. Underground inspections of the water service pipe and building sewer shall be performed by the jurisdiction.

**Section 312.1 Required tests** is amended to read as follows:

The permit holder shall make the applicable tests prescribed in Sections 312.2 through 312.10 to determine compliance with the provisions of this code. The permit holder shall give reasonable advance notice to the code official when the plumbing work is ready for tests. The equipment, material, power and labor necessary for the inspection and test shall be furnished by the permit holder and he or she shall be responsible for determining that the work will withstand the test pressure prescribed in the following tests. Plumbing system piping shall be tested with either water or by air. 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.

**Section 312.3 Drainage and vent air test** is amended to read as follows:

An air test shall be made by forcing air into the system until there is a uniform gauge pressure of 5 psi (34.5 kPa) or sufficient to balance a 10-inch (254 mm) column of mercury. This pressure shall be held for a test period of not less than 15 minutes. Any adjustments to the test pressure required because of changes in ambient temperatures or the seating of gaskets shall be made prior to the beginning of the test period

**Section 312.5 Water supply system test**, is amended to read as follows:

Upon completion of a section of or the entire water supply system, the system, or portion completed, shall be tested and proved tight under a water pressure not less than the working pressure of the system; or by an air test of not less than 50 psi (344 kPa). This pressure shall be held for not less than 15 minutes. The water utilized for tests shall be obtained from a potable source of supply. The required tests shall be performed in accordance with this section and Section 107.

**Exception:** The water service piping shall be tested as required by the jurisdiction.

**Section 312.6 Gravity sewer test**, is amended to read as follows:

Gravity sewer tests shall be made in accordance with the specifications of the jurisdiction.

**Section 603.2 Separation of water service and building sewer**, is amended to read as follows:

Water service pipe and the building sewer shall be separated as required by policy established by the Jurisdiction.

**605.3 Water service piping.** The first sentence of the paragraph is amended to read:

Water service piping shall conform to the specification of the jurisdiction.

**Section 708.1.10 Cleanout Access. Exception added to read as follows.**

**Exception:**

1. Access shall not be required to One (1) Sanitary Test-Tee Cleanout per building where installed below grade and within the building envelope. The Clean-Out Plug must be installed in accordance with Section 3005.6 and permanently glued prior to backfilling.

**J. International Fuel Gas Code – Adoption.**

There is hereby adopted by the County, for the purpose of regulating and controlling the installation of fuel-gas piping systems, fuel-gas utilization equipment and related accessories within the County, that certain code known as the International Fuel Gas Code, 2018 Edition published by the International Code Council, Inc. The Code, and the whole thereof, but with the amendments and deletions set forth below, is adopted by reference thereto the same as if set forth in length in this section.

**International Fuel Gas Code - Amendments and Deletions.**

The International Fuel Gas Code, 2018 Edition, is subject to the following amendments and deletions:

**Section 103.1 Creation of Enforcement Agency**, is amended to read as follows:

The Building Department is hereby created and the official in charge shall be known as the building official. Building official shall be synonymous with code official in all other references in this code.

**Section 303.3 Prohibited locations, Exception 3**, is hereby deleted.

**Section 303.3 Prohibited locations, Exception 4**, is hereby deleted.



**Section 303.8 Liquid propane gas appliance in a pit or basement**, is added to read as follows:

Liquefied petroleum gas-burning appliances shall not be installed in a pit, basement or similar location where heavier-than-air gas might collect, unless the following conditions are met:

1. A listed propane gas detector with alarm shall be installed. A listed solenoid gas valve shall be installed on the gas line that supplies all propane appliances located in the basement or pit. Upon detection of gas an alarm shall sound and the solenoid gas valve shall close.

**Section 409.5.3 Located at manifold**, is hereby deleted.

**Section 603 Log Lighters**, is hereby deleted.

**Section 621.2 Prohibited use**, is amended to read as follows:

Unvented room heaters are not to be installed in dwelling units.

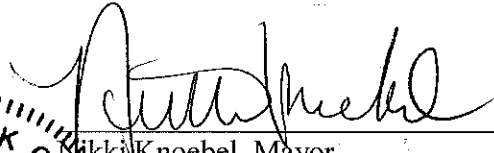
**Section 621.7 Unvented decorative room heaters**, is hereby deleted.

**Section 621.7.1 Ventless firebox enclosures**, is hereby deleted.

**Section 3: Severability.** If any part or parts, sentence, clause or phrase of this ordinance is for any reason held to be invalid, such decision shall not affect the validity of the remaining portion of the Ordinance.

**Section 4: Effective Date.** This ordinance shall take effect and be in full force and effect on January 1<sup>st</sup>, 2021 and in no case less than thirty (30) days after publication pursuant to C.R.S. 31-16-105.

**INTRODUCED, READ, APPROVED AND ORDERED PUBLISHED THIS 22nd DAY OF OCTOBER, 2020.**



Nikki Knoebel, Mayor

ATTEST:



David Torgler  
Town Administrator/Clerk

