

## **ORDINANCE NO. 731**

**AN ORDINANCE ADOPTING THE INTERNATIONAL BUILDING CODE, 2021 EDITION, INCLUDING APPENDIX CHAPTERS C, E, AND J; INTERNATIONAL RESIDENTIAL CODE, 2021 EDITION INCLUDING APPENDIX CHAPTERS B, C, E, F, & Q; INTERNATIONAL EXISTING BUILDING CODE, 2021 EDITION; NATIONAL ELECTRICAL CODE as Adopted by the State of Colorado Electrical Board; INTERNATIONAL MECHANICAL CODE, 2021 EDITION; INTERNATIONAL ENERGY CONSERVATION CODE, 2021 EDITION; INTERNATIONAL PLUMBING CODE, 2021 EDITION; INTERNATIONAL FUEL GAS CODE, 2021 EDITION; INTERNATIONAL PROPERTY MAINTENANCE CODE 2021 EDITION, INTERNATIONAL WILDLAND URBAN INTERFACE CODE 2021 EDITION, REGULATING THE ERECTION, CONSTRUCTION, ENLARGEMENT, ALTERATION, REPAIR, MOVING, REMOVAL, DEMOLITION, CONVERSION, OCCUPANCY, EQUIPMENT, USE, HEIGHT, AREA AND MAINTENANCE OF BUILDINGS OR STRUCTURES, AND BUILDING SERVICE EQUIPMENT; REPEALING ALL CONFLICTING ORDINANCES; PROVIDING FOR SEVERABILITY; AND PROVIDING AN EFFECTIVE DATE.**

with standards, amendments and additions thereto (collectively referred to herein as “Building Codes”); and

### **RECITALS**

1. Colorado Revised Statutes § 31-16-201 to 208 provide that municipalities may adopt certain codes and standards by reference.
2. Pursuant to CRS § 31-16-204, the Council may alter and amend any building code.
3. The Town of Hayden, Town Council, did adopt Ordinance 697 adopting with certain amendments the International Building Code, 2018 Edition.
4. Notice of the hearing shall be published in a newspaper of general circulation in the adopting municipality, once at least ten days preceding the hearing; 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.
5. Notice of the public hearing was published in the Steamboat Pilot & Today on October 5, 2023 and the required public hearing before the Council was held on all in accordance with CRS § 31-16-203 and the Town of Hayden Home Rule Charter.
6. The International Code Council and similar bodies have updated and improved the codes.

7. The Town Council finds the fees set forth in herein are reasonable and necessary to cover the expected normal costs of plan review and inspection associated with the permits in question.
8. The Building Official has reviewed the 2021 International Building Code and recommends their adoption as set forth herein.

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

**Section 1: Amendment and Restatement of Existing Codes.** The currently effective building codes adopted by Ordinance 697 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:

**Section 5-2. - International Building Code - Adoption.**

There is hereby adopted by the Town, 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 Town, that certain code known as the International Building Code, 2021 Edition, including Appendix Chapters C, E, and J, published by the International Code Council, Inc. 500 New Jersey Avenue, NW, 6th Floor, Washington, DC 20001. 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.

**Section 5-3. - International Building Code - Amendments and Deletions.**

The International Building Code, 2021 Edition, is subject to the following amendments and deletions:

**Section 101.1 Title.** These regulations shall be known as the Building Code of the Town of Yampa, 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 for items 2, 10, 14, 15:

**Building:**

2. Fences not over 6 feet in height measured from top of grade to top of all fence members along the entire stretch of fencing to be installed.

10. Storage Sheds or Shade cloth structures constructed for agricultural purposes or storage use, not including services system and does not contain electrical, plumbing or mechanical systems, and the structure must be equal to or less than 120 total square feet.

14. The removal of substrate materials to expose any floor, ceiling, wall, or attic cavities to perform minor repair work, water damage, or minor alteration work of electrical, plumbing, gas, or mechanical items within these cavities is exempt if the total square footage of substrate being removed is less than 96 Square Feet total in all areas being exposed. Permits would still be required under the Plumbing, Mechanical, Gas, and Electrical trades if exemptions are not met within these trades.

15. Removal and replacement of deck boards on an existing exterior decks are exempt if the same thickness of deck board materials is installed or a greater thickness.

**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 requests 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 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**

Estimated construction use tax shall 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 City's use tax as codified in Chapter 22 of the Revised Municipal Code. The City 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 City and the Building Department.

### **Section 305.2.2 Eight or fewer children amended to read as follows:**

A facility having 8 or fewer children receiving such day care shall be classified as part of the primary occupancy.

### **Section 305.2.3 Eight or fewer children in a dwelling unit is amended to read as follows:**

A facility such as the above within a dwelling unit and having eight or fewer children receiving such day care shall be classified as a Group R-3 occupancy or shall comply with the residential building code provided the child care facility has been licensed by the Colorado Department of Human Services and meets all licensing requirements of the State.

### **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.

### **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. When this exception is utilized no credits or exceptions may be taken throughout the IBC that are written with the assumption that a sprinkler system has been installed.

**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 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.

#### **Sec. 5-4. - International Residential Code – Adoption.**

There is hereby adopted by the Town, 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 Town, that certain code known as the International Residential Code, 2021 Edition, including Appendix Chapters B,C,E, F and Q, published by the International Code Council, Inc., 500 New Jersey Avenue, NW, 6th Floor, Washington, DC 20001. 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.

#### **Sec. 5-5. - 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. Building Official shall be synonymous with code official in all other references in this code.

**Section R105.2 Work exempt from permit** is amended to read as follows for items 1, 2, 11,12:

**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. The shed cannot have any mechanical, plumbing, or electrical equipment or fixtures install within it.
2. Fences not over 6 feet in height measured from top of grade to top of all fence members along the entire stretch of fencing to be installed.
11. The removal of substrate materials to expose any floor, ceiling, wall, or attic cavities to perform minor repair work, water damage, or minor alteration work of electrical, plumbing, gas, or mechanical items within these cavities is exempt if the total square footage of substrate being removed is less than 96 Square Feet total in all areas being exposed. Permits would still be required under the Plumbing, Mechanical, Gas, and Electrical trades if exemptions are not met within these trades.
12. Removal and replacement of deck boards on an existing exterior decks are exempt if the same thickness of deck board materials is installed or a greater thickness.

**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.

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

- Ground Snow Load – Case Study Area view the Routt County Regional Building Department website for Ground Snow values for your specific site.  
<https://routtgis.maps.arcgis.com/apps/webappviewer/index.html?id=df84ded7ab1b4de39a9f68dd7d05a3a0>
- Climate Zone 7
- Wind Speed – 115 MPH (ultimate design wind speed)
- Topographic Effects – No
- Seismic Design Category – C for all One Family or Two Family Dwellings, and Townhomes under the IRC.
- 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 per IRC Section R905.1.2 Ice Barriers
- 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.

**Figure R301.2.2.1 (5) Seismic Design Categories-United States:** amended to read as follows. All of Routt County Buildings designed under the 2021 IRC including Single Family Dwellings, Two-Family Dwellings, and Townhomes, may be viewed as Seismic Design Category C.

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

A Handrail shall be provided on not less than one side of each flight of stairs with four or more risers, unless the exception below is met.

**Exception:** Staircases that have 4 risers total and are less than 30" inches above grade or finished floor within 36" inches horizontally of the stairs.

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

**Section R313.2.1 Design and Installation,** is hereby deleted.

**Section 506.2.3 Vapor Retarder:** is amended to read as follows.

A minimum 6-mil vapor retarder with joints lapped not less than 6 inches (152mm) shall be placed between the concrete floor slab and the base course or the prepared subgrade where a base course does not exist.

**Exception:** The vapor retarder is not required for the following:

1. Garages, utility buildings and other unheated *accessory structures*.
2. For unheated storage rooms having an area of less than 70 square feet (6.5 m<sup>2</sup>) and carports.
3. Driveways, walks, patios and other flatwork not likely to be enclosed and heated at a later date.
4. Where *approved* by the *building official*, based on local site conditions.



**Section R1001.1.2 EPA Phase III Approved Wood Burning and/or Pellet Burning Stoves is hereby added to read as follows:**

All factory built wood burning devices or pellet burning devices must be Phase III EPA approved devices listed and approved by the EPA as Phase III devices. All wood burning or pellet burning fireplaces constructed on-site and not purchased as factory built devices, shall have an EPA approved catalytic converter installed within the flue of the unit.

**Exception:** Property Owners who have Fireplace Rights Approved through the City of Steamboat Springs.

**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 M1503.5 Kitchen Exhaust:** is amended to read as follows.

All Dwellings constructed in accordance with the International Residential Code shall have kitchen exhaust fan installed in accordance with Section M1505.4.4.

**Exception:**

1. Dwellings that have an ERV or HRV system installed within them with an exhaust and supply line located within the kitchen area are not required to install a kitchen exhaust fan.
2. Existing Buildings having alteration work done on the interior or a change of occupancy use are exempt.

**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,** is hereby 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 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.

**Section P2602.1.1 Water Service and Sanitary Lines** is added to read as follows:

Water service and sanitation main lines shall be designed, installed, inspected and approved by the Authority Having Jurisdiction under the regulations of the Jurisdiction.

**Section P2904 through P2904.8**, is hereby deleted.

**Section P3001.2.1 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:**

2. 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 400-2017 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 400-2017.

**SECTION AQ106 Energy Conservation** amended to add AQ106.1

AQ106.1 Tiny Homes constructed under Appendix Q shall follow International Energy Conservation Code for Energy Code Compliance.

**Sec. 5-6. - International Existing Building Code – Adoption.**

There is hereby adopted by the Town, for the purpose of providing minimum life safety requirements for all existing buildings within the Town that undergo alteration or a change in use, that certain code known as the International Existing Building Code, 2021 Edition, published by the International Code Council, Inc. 500 New Jersey Avenue, NW, 6th Floor, Washington, DC 20001. 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.

**Sec. 5-7. - International Existing Building Code – 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.

**Sec. 5-8. – International Property Maintenance Code.**

There is hereby adopted by the Town, 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 Town 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 International Property Maintenance Code, 2021 Edition, published by the International Code Council, Inc. 500 New Jersey Avenue, NW, 6th Floor, Washington, DC 20001. 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.

**Sec. 5-9. - International Property Maintenance Code Amendments and Deletions**

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

#### **Sec. 5-9. - National Electrical Code - Adoption.**

There is hereby adopted by the Town, for the purpose of regulating the installation and use of electric conductors and equipment within the Town 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.

#### **Sec. 5-10. - International Code Council Electrical Code, Administrative Provisions, Adoption.**

There is hereby adopted by the Town, 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 Town, that certain code known as the International Code Council Electrical Code, Administrative Provisions, 2021 Edition, published by the International Code Council, Inc., 500 New Jersey Avenue, NW, 6th Floor, Washington, DC 20001. 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.

#### **Sec. 5-11. - International Code Council Electrical Code, Administrative Provision – Amendments and Deletions.**

**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.

#### **Sec. 5-12. - International Mechanical Code – Adoption.**

There is hereby adopted by the Town, 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 Town, that certain code known as the International

Mechanical Code, 2021 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.

**Sec. 5-13. - International Mechanical Code – Amendments and Deletions.**

The International Mechanical Code, 2021 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 502.20.1 Operation Manicure and Pedicure Stations**, is amended to read as follows.

Manicure and Pedicure working stations exhaust and intake air systems shall have controls located within 6 feet of the working stations, the mechanical exhaust and intake system shall be turned on constantly while working stations are occupied.

**Section 507.1 General:** is hereby amended to read as follows.

Commercial kitchen exhaust hoods shall comply with the requirements of this section. Hoods shall be Type I or II and shall be designed to capture and confine cooking vapors and residues. A Type I or Type II hood shall be installed at or above *appliances* in accordance with [Sections 507.2](#) and [507.3](#). Where any cooking *appliance* under a single hood requires a Type I hood, a Type I hood shall be installed. Where a Type II hood is required, a Type I or Type II hood shall be installed. Where a Type I hood is installed, the installation of the entire system, including the hood, ducts, exhaust *equipment* and *makeup air* system shall comply with the requirements of [Sections 506](#), [507](#), [508](#) and [509](#).

**Mandatory Inspections of Type 1 Hoods:** All Type 1 Hood Ducts both factory made or field constructed Type 1 Hood Ducts are required to have a visual inspection done by means of a smoke test being completed by the Contractor of record by dropping in the necessary number of smoke bombs to allow visual inspection to be done on all welded seams, joints, or factory sealed connections during a rough-in inspection.

**Section 902.2.1 EPA Phase III Approved Wood Burning and/or Pellet Burning Stoves** is hereby added to read as follows:

All factory built wood burning devices or pellet burning devices must be Phase III EPA approved devices listed and approved by the EPA as Phase III devices. All wood burning or pellet burning fireplaces constructed on-site and not purchased as factory built devices, shall have an EPA approved catalytic converter installed within the flue of the unit.

**Section 903.1.1 EPA Phase III Approved Wood Burning and/or Pellet Burning Stoves** is hereby added to read as follows:

All factory built wood burning devices or pellet burning devices must be Phase III EPA approved devices listed and approved by the EPA as Phase III devices. All wood burning or pellet burning fireplaces constructed on-site and not purchased as factory built devices, shall have an EPA approved catalytic converter installed within the flue of the unit.

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

**Section 1209.5 Insulation and thermal break required,** the exception is hereby amended to read as follows:

**Exception:** Insulation shall not be required in engineered systems where it can be demonstrated that the insulation will decrease the efficiency or have a negative effect on the installation. The Performance Report must be submitted to the Building Official for review and approval to be granted this exception.

**Sec. 5- 16. - International Energy Conservation Code – Adoption.**

There is hereby adopted by the Town for the purpose of regulating and governing energy efficient building envelopes city 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, 2021 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.

**Sec. 5- 17. - International Energy Conservation Code** The International Energy Conservation Code, 2021 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 C401.3 Thermal Envelope Certificate,** is hereby deleted

**Table C402.1.3 Opaque Thermal Envelope Insulation Component Minimum Requirements, R-Value Method,** is hereby amended to read as follows.

<b>Climate Zone 7</b>		
<b>Occupancy Group</b>	<b>All Other</b>	<b>Group R</b>
<b>Roofs</b>		
	<b>R-35 ci</b>	<b>R-35 ci</b>
<b>Metal Buildings (b)</b>	<b>R-30 + R-11 LS</b>	<b>R-30 + R-11 LS</b>
<b>Attic and Other</b>	<b>R-49 if a minimum of 2” of closed cell foam is installed with a combination of other insulation to achieve R-49 total</b> <b>Or</b> <b>R-60</b>	<b>R-49 if a minimum of 2” of closed cell foam is installed with a combination of other insulation to achieve R-49 total</b> <b>Or</b> <b>R-60</b>
<b>Walls, Above Grade</b>		
<b>Mass (f)</b>	<b>R-15.2 ci</b>	<b>R-15.2 ci</b>
<b>Metal Building</b>	<b>R-13+ R-17 ci</b>	<b>R-13 + R-19.5 ci</b>
<b>Metal Framed</b>	<b>R-13 + R-12.5 ci</b>	<b>R-13 + R-15.6 ci</b>
<b>Wood Framed and Other</b>	<b>R-27 2x6 Wall Cavity Only</b> <b>Or</b> <b>R-13+ R7.5 ci</b> <b>Or</b> <b>R-20 + R-3.8 ci</b>	<b>R-27 2x6 Wall Cavity Only</b> <b>Or</b> <b>R-13+ R7.5 ci</b> <b>Or</b> <b>R-20 + R-3.8 ci</b>
<b>Walls, Below Grade</b>		
<b>Below-Grade Wall (d)</b>	<b>R-15 ci</b>	<b>R-15 ci</b>
<b>Floors</b>		
<b>Mass (e)</b>	<b>R-20.9 ci</b>	<b>R-20.9 ci</b>
<b>Joist/Framing</b>	<b>R-38</b>	<b>R-38</b>
<b>Slab-On Grade Floors</b>		
<b>Unheated Slabs</b>	<b>R-20 for 24” Below</b>	<b>R-20 for 48” Below</b>
<b>Heated Slabs (g)</b>	<b>R-20 for 48” Below + R-5 Full Slab</b>	<b>R-20 for 48” Below + R-5 Full Slab</b>

For SI: 1 inch = 25.4 mm, 1 pound per square foot = 4.88 kg/m<sup>2</sup>, 1 pound per cubic foot = 16 kg/m<sup>3</sup>.

ci = Continuous Insulation, NR = No Requirement, LS = Liner System.

a. Assembly descriptions can be found in [ANSI/ASHRAE/IESNA 90.1](#) Appendix A.

- b. Where using *R*-value compliance method, a thermal spacer block shall be provided, otherwise use the *U*-factor compliance method in [Table C402.1.4](#).
  - c. R-5.7ci is allowed to be substituted with concrete block walls complying with [ASTM C90](#), ungrouted or partially grouted at 32 inches or less on center vertically and 48 inches or less on center horizontally, with ungrouted cores filled with materials having a maximum thermal conductivity of 0.44 Btu-in/h- $^{\circ}$ F.
  - d. Where heated slabs are below grade, below-grade walls shall comply with the exterior insulation requirements for heated slabs.
  - e. “Mass floors” shall be in accordance with [Section C402.2.3](#).
  - f. “Mass walls” shall be in accordance with [Section C402.2.2](#).
- g. The first value is for perimeter insulation and the second value is for full, under-slab insulation. Perimeter insulation is not required to extend below the bottom of the slab.

**C402.5.1.5 Building Envelope Performance Verification**, is hereby amended to read as follows.

The installation of the continuous air barrier shall be verified by an approved 3<sup>rd</sup> party agency in accordance with the following:

2. Inspection of continuous air barrier components and assemblies shall be conducted during construction while the air barrier is still accessible for inspection and repair to verify compliance with the requirements of [Sections C402.5.1.3](#) and [C402.5.1.4](#).
3. A final commissioning report shall be provided for inspections completed by the approved agency. The commissioning report shall be provided to the building owner or owner’s authorized agent and the code official. The report shall identify deficiencies found during the review of the inspections and details of corrective measures taken.

**C403.12.1 Heating outside a building**, is hereby amended to read as follows.

Systems, Appliances or Fixtures installed to provide heating outside a building shall be controlled by an occupancy sensing device or a timer switch so that the system is automatically de-energized when occupants are not present, and shall be installed in accordance with the below.

1. Timers installed on systems shall be set for a maximum of 15-minutes and not allow for adjustments to increase time.

**Exceptions:**

1. Wood Burning Fire Pits

**C403.12.1.1 Cooling outside a building**, is hereby added to read as follows.

Not Allowed

**C403.12.2 Snow-and ice-melt system controls**, is hereby amended to read as follow.

Snow- and ice-melting systems shall include automatic controls configured to shut off the system when the surface temperature is above (40 degrees F, 4.4 degrees C) and precipitation is not falling, and an automatic control that is configured to shut off when the outdoor temperature is above (40 degrees F, 4.4 degrees C).



**C403.12.2.1 Snow and ice-melt temperature and moisture control sensor locations**, is hereby added to read as follows.

Temperature and Moisture sensor locations in heated outdoor snow melt systems shall be shown clearly on the outdoor heated snow melt site plan, and shall not be located in the following areas listed below.

1. Shall not be within 5 feet of the Public ROW or Private Road from the edge of the walking or driving surface.
2. Shall not be located under a roof overhang or other structure subject to shading during daylight hours.

**C403.12.3 Freeze protection system controls**, is hereby amended to read as follows.

Freeze protection systems, such as heat tracing of outdoor piping, heat exchangers, roof and gutters, drains, including self-regulating heat tracing cable or wire, shall have automatic controls configured to shut off the systems when outdoor air temperatures are above (40 degrees F, 4.4 degrees C) and shall include a moisture sensor to shut the system off in absence of moisture.

**C405.11 Automatic Receptacle Control Function**, is hereby deleted

**C404.8.3 Pool/Spa Covers**, is hereby amended to read as follows.

Heated pools shall be equipped with a vapor retardant pool cover on or at the water surface. Pools shall have a pool cover with a minimum insulation value of R-10.

Exceptions:

1. Indoor Pools or Spas
2. Pools or Spas heated by a 100% Renewable Energy Source are only required to have a vapor retarder cover.

**C404.8.3.1 Outdoor Site Built Pool/Spa Insulation Requirements**, is hereby added to read as follows. Site built pools and spas shall have insulation installed around the entire perimeter of all walls below or above grade with an R-value minimum of R-15.

**Section C409. Commercial Buildings constructed under the International Building Code shall follow the below requirements for Heated Outdoor Snow Melt Systems**, is hereby added to read as follows. Commercial Outdoor Heated Snow Melt systems shall be installed in accordance with the below items. Applicants shall submit an outdoor heated snow melt system site plan that displays the areas to be heated on the site plan along with dimensions of the areas to be heated, and provide the locations of the temperature and moisture control sensors on the site plan per our adopted codes for review.

1. Outdoor Heated Snow Melt Systems shall not be allowed to be installed unless they are powered by a 100% Renewable Energy Source. See Exceptions Below

**Exceptions:**

1. Outdoor Hydronic Tubing: Hydronic tubing may be installed during construction regardless if the heating equipment is allowed to be installed or not per the requirements below.

a. Applicants who choose to install hydronic tubing shall submit a snow melt system site plan in accordance with our adopted codes, and state “Heated Snow Melt System Not Approved for Use” on the plans.

b. All hydronic tubing must terminate with open ends on all lines inside the building or within a control box on the exterior. Hydronic lines shall not be connected to an interior manifold system.

2. Federal, State, or Local Regulations that requires outdoor heated snow melt systems to be installed.

3. Required ADA routes from the designated ADA parking stall to the building entrance.

**Table R402.1.2 Insulation and Fenestration Requirements by Component** is amended to read as follows. Climate Zone 7 requirements are listed below for required R-Values.

<b>Climate Zone 7</b>	
<b>FENESTRATION u-Factor (b,i)</b>	<b>0.30 (i)</b>
<b>SKYLIGHT U-FACTOR (b)</b>	<b>0.55</b>
<b>GLAZED FENESTRATION SHGC (b,e)</b>	<b>NR</b>
<b>CEILING R-VALUE</b>	<b>R-49 if a minimum of 2” of closed cell foam is installed with a combination of other insulation to achieve R-49 total</b> <b>Or</b> <b>R-60</b>
<b>WOOD FRAME WALL R-VALUE (g)</b>	<b>R-27 2x6 Wall Cavity Only</b> <b>Or</b> <b>R-20 + R-5 ci (g) 2x6 Wall</b> <b>Or</b> <b>R-13 + R-10 ci (g) 2x4 Wall</b> <b>Or</b> <b>R-0 + R-20 ci (g) 2x4 Wall</b>
<b>MASS WALL R-VALUE (h)</b>	<b>R-19/R-21 (h)</b>
<b>FLOOR R-VALUE</b>	<b>R-38</b>
<b>BASEMENT WALL R-VALUE (c,g)</b>	<b>R-15 ci or R-19</b>
<b>SLAB R-VALUE &amp; DEPTH (d)</b>	<b>R-10 ci for 4 FT in around perimeter</b>
<b>CRAWL SPACE WALL R-VALUE (c,g)</b>	<b>R-15 ci</b> <b>Or</b> <b>R-19 or</b> <b>R-13 &amp; R-5 ci</b>

For SI: 1 foot = 304.8 mm.

NR = Not Required.

ci = continuous insulation.

a. *R*-values are minimums. *U*-factors and SHGC are maximums. Where insulation is installed in a cavity that is less than the label or design thickness of the insulation, the installed *R*-value of the insulation shall be not less than the *R*-value specified in the table.

b. The fenestration *U*-factor column excludes skylights. The SHGC column applies to all glazed fenestration.

Exception: In Climate Zones 0 through 3, skylights shall be permitted to be excluded from glazed fenestration SHGC requirements provided that the SHGC for such skylights does not exceed 0.30.

c. "5ci or 13" means R-5 continuous insulation (ci) on the interior or exterior surface of the wall or R-13 cavity insulation on the interior side of the wall. "10ci or 13" means R-10 continuous insulation (ci) on the interior or exterior surface of the wall or R-13 cavity insulation on the interior side of the wall. "15ci or 19 or 13&5ci" means R-15 continuous insulation (ci) on the interior or exterior surface of the wall; or R-19 cavity insulation on the interior side of the wall; or R-13 cavity insulation on the interior of the wall in addition to R-5 continuous insulation on the interior or exterior surface of the wall.

d. R-5 insulation shall be provided under the full slab area of a heated slab in addition to the required slab edge insulation *R*-value for slabs, as indicated in the table. The slab-edge insulation for heated slabs shall not be required to extend below the slab.

e. There are no SHGC requirements in the Marine Zone.

f. Basement wall insulation is not required in Warm Humid locations as defined by [Figure R301.1](#) and [Table R301.1](#).

g. The first value is cavity insulation; the second value is continuous insulation. Therefore, as an example, "13&5" means R-13 cavity insulation plus R-5 continuous insulation.

h. Mass walls shall be in accordance with [Section R402.2.5](#). The second *R*-value applies where more than half of the insulation is on the interior of the mass wall.

i. A maximum *U*-factor of 0.32 shall apply in Climate Zones 3 through 8 to vertical fenestration products installed in buildings located either:

1. Above 4,000 feet in elevation, or

2. In windborne debris regions where protection of openings is required by [Section R301.2.1.2](#) of the *International Residential Code*.

**Section R403.3.5 Duct Testing**, is hereby amended to read as follows.

Ducts shall be pressure tested in accordance with ANSI/RESNET/ICC 380 or ASTM E1554 to determine air leakage by one of the following methods if the ducts are located in unconditioned spaces:

1. Rough-in test: Total leakage shall be measured with a pressure differential of 0.1 inch w.g. (25 Pa) across the system, including the manufacturer's air handler enclosure if installed at the time of the test. Registers shall be taped or otherwise sealed during the test.
2. Post-construction test: Total leakage shall be measured with a pressure differential of 0.1 inch w.g. (25 Pa) across the entire system, including the manufacturer's air handler enclosure. Registers shall be taped or otherwise sealed during the test.  
A written report of the results of the test shall be signed by the party conducting the test and provided to the code official.

Exception:

1. A duct air-leakage test shall not be not integrated with ducts serving heating or cooling systems.

**R403.6.3 Mechanical Ventilation System Testing**, is hereby deleted

**R403.9 Snow Melt and Ice System Controls**, is hereby amended to read as follows.

Snow- and ice-melting systems shall include automatic controls configured to shut off the system when the surface temperature is above (40 degrees F, 4.4 degrees C) and precipitation is not falling, and an automatic control that is configured to shut off when the outdoor temperature is above (40 degrees F, 4.4 degrees C).

**R403.9.1 Snow and ice-melt temperature and moisture control sensor locations**, is hereby added to read as follows.

Temperature and Moisture sensor locations in heated outdoor snow melt systems shall be shown clearly on the outdoor heated snow melt site plan, and shall not be located in the following areas listed below.

1. Shall not be within 5 feet of the Public ROW or Private Road from the edge of the walking or driving surface.
2. Shall not be located under a roof overhang or other structure subject to shading during daylight hours.

**R403.9.2 Freeze protection system controls**, is hereby amended to read as follows.

Freeze protection systems, such as heat tracing of outdoor piping, heat exchangers, roof and gutters, drains, including self-regulating heat tracing cable or wire, shall have automatic controls configured to shut off the systems when outdoor air temperatures are above (40 degrees F, 4.4 degrees C) and shall include a moisture sensor to shut the system off in absence of moisture.

**Section R403.9.3 Residential Dwellings constructed under the International Residential Code shall follow the below requirements for Heated Outdoor Snow Melt Systems**, is hereby added to read as follows. Residential Outdoor Heated Snow Melt systems shall be installed in accordance with the below items. Applicants shall submit an outdoor heated snow melt system site plan that displays the areas to be heated on the site plan along with dimensions of the areas to be heated, and provide the locations of the temperature and moisture control sensors on the site plan per our adopted codes for review.

1. Outdoor Heated Snow Melt Systems shall not be allowed to be installed unless they are powered by a 100% Renewable Energy Source. See Exceptions Below

**Exceptions:**

1. Outdoor Hydronic Tubing: Hydronic tubing may be installed during construction regardless if the heating equipment is allowed to be installed or not per the requirements below.

- a. Applicants who choose to install hydronic tubing shall submit a snow melt system site plan in accordance with our adopted codes, and state “Heated Snow Melt System Not Approved for Use” on the plans.
  - b. All hydronic tubing must terminate with open ends on all lines inside the building or within a control box on the exterior. Hydronic lines shall not be connected to an interior manifold system.
2. Federal, State, or Local Regulations that requires outdoor heated snow melt systems to be installed.
  3. Required ADA routes from the designated ADA parking stall to the building entrance.

**R403.10.3 Pool/Spa Covers**, is hereby amended to read as follows.

Heated pools shall be equipped with a vapor retardant pool cover on or at the water surface. Pools shall have a pool cover with a minimum insulation value of R-10.

Exceptions:

1. Indoor Pools or Spas
2. Pools or Spas heated by a 100% Renewable Energy Source are only required to have a vapor retarder cover.

**R403.10.3.1 Outdoor Site Built Pool/Spa Insulation Requirements**, is hereby added to read as follows. Site built pools and spas shall have insulation installed around the entire perimeter of all walls below or above grade with an R-value minimum of R-15.

#### **Sec. 5- 18. - International Plumbing Code – Adoption.**

There is hereby adopted by the Town, 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 Town, that certain code known as the International Plumbing Code, 2021 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.

#### **Sec. 5- 19. - International Plumbing Code - Amendments and Deletions.**

The International Plumbing Code, 2021 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 104.1 General**, is hereby amended to read as follows.

The code official is hereby authorized and directed to enforce the provisions of this code unless the Jurisdiction Having Authority providing water and sanitary services governs the regulations and specifications under their adopted regulations for all water and sanitation lines located in the exterior of the building or within the water main entry room or fire riser room. The code official shall have the authority to render interpretations of this code and to adopt policies and procedures in order to clarify the application of its provisions. Such interpretations, policies and procedures shall be in compliance with the intent and purpose of this code. Such policies and procedures shall not have the effect of waiving requirements specifically provided for in this code.

**Sec. 5-20. - International Fuel Gas Code – Adoption.**

There is hereby adopted by the Town, for the purpose of regulating and controlling the installation of fuel-gas piping city, fuel-gas utilization equipment and related accessories within the Town, that certain code known as the International Fuel Gas Code, 2021 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.

**Sec. 5-21. - International Fuel Gas Code - Amendments and Deletions.**

The International Fuel Gas Code, 2021 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.

**Sec. 5-22- International Wildland-Urban Interface Code – Adoption.**

There is hereby adopted by the Town, for the purpose of regulating and controlling the International Wildland-Urban Interface Code within the Town, that certain code known as the International Wildland-Urban Interface Code, 2021 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.

**Sec. 5-23. - International Wildland-Urban Interface Code - Amendments and Deletions.** The International Wildland-Urban Interface Code, 2021 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.

**2021 IWUIC Chapters 3, 4, 6, and Appendix's A, B, C, D, F, G, H, and I** are hereby deleted. The following Code Sections listed below from Chapter 5 are hereby considered adopted as part of this ordinance, all other sections not listed below are deleted from Chapter 5.

**Section 501.1 Scope,** is hereby amended to read as follows:

Buildings and structures shall be constructed in accordance with the International Building Code, International Residential Code and the Code Sections listed below.

**Section 503.2 Ignition Resistant Building Materials**

Ignition-resistant building materials shall comply with any one of the following:

1. Material shall be tested on all sides with the extended ASTM E84 (UL 723) test or ASTM E2768, except panel products shall be permitted to test only the front and back faces. Panel products shall be tested with a ripped or cut longitudinal gap

of 1/8 inch (3.2 mm). Materials that, when tested in accordance with the test procedures set forth in ASTM E84 or UL 723 for a test period of 30 minutes, or with ASTM E2768, comply with the following:

1.1. Flame spread. Material shall exhibit a *flame spread index* not exceeding 25 and shall not show evidence of progressive combustion following the extended 30-minute test.

1.2. Flame front. Material shall exhibit a flame front that does not progress more than 10 1/2 feet (3200 mm) beyond the centerline of the burner at any time during the extended 30-minute test.

1.3. Weathering. Ignition-resistant building materials shall maintain their performance in accordance with this section under conditions of use. Materials shall meet the performance requirements for weathering (including exposure to temperature, moisture and ultraviolet radiation) contained in the following standards, as applicable to the materials and the conditions of use:

1.3.1. Method A “Test Method for Accelerated Weathering of Fire-Retardant-Treated Wood for Fire Testing” in ASTM D2898, for fire-retardant-treated wood, wood-plastic composite and plastic lumber materials.

1.3.2. ASTM D7032 for wood-plastic composite materials.

1.3.3. ASTM D6662 for plastic lumber materials.

1.4. Identification. Materials shall bear identification showing the fire test results.

Exception: Materials composed of a combustible core and a noncombustible exterior covering made from either aluminum at a minimum 0.019 inch (0.48 mm) thickness or corrosion-resistant steel at a minimum 0.0149 inch (0.38 mm) thickness shall not be required to be tested with a ripped or cut longitudinal gap.

2. Noncombustible material. Material that complies with the requirements for *noncombustible* materials in Section 202.

3. Fire-retardant-treated wood. Fire-retardant-treated wood identified for exterior use and meeting the requirements of Section 2303.2 of the *International Building Code*.

4. Fire-retardant-treated wood *roof coverings*. *Roof assemblies* containing fire-retardant-treated wood shingles and shakes that comply with the requirements of Section 1505.6 of the *International Building Code* and classified as Class A *roof assemblies* as required in Section 1505.2 of the *International Building Code*.

**Section 504.2 Roof Assembly**, is hereby amended to read as follows:

All Roofs in both residential and commercial buildings for new construction, additions, alterations, repairs, or replacements under permit must have Class A Roofing Materials Installed.

**Exception:** Historic Registered Properties through HPC Review and Rulings that may not allow a FRWT Wood Shake Roof or Composite Wood Shake Roof to be installed are exempt if determined by the State or Federal Historic Preservations Committees.

**Section 504.2.1 Roof Valleys.**

Where provided, valley flashings in both residential and commercial buildings for new construction, additions, alterations, repairs, or replacements under permit shall be 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 (32.4 kg) mineral-surfaced, nonperforated cap sheet complying with [ASTM D3909](#) running the full length of the valley.

**Section 504.3 Protection of Eaves and Soffits**, is hereby amended to read as follows:

Eaves and Soffits on commercial and residential new construction buildings only shall be protected on the exposed underside by one of the following items.

1.  $\frac{3}{4}$ " solid wood or thicker
2. Ignition resistant material in accordance with Section 503.2 of this chapter
3. Non-Combustible Materials
4. FRWT products.
5. Plywood  $\frac{3}{4}$ " or thicker treated with an intumescent product providing a 30-minute rating

**Section 504.4 Gutters and Downspouts.**

Gutters and Downspouts in both residential and commercial buildings for new construction, additions, alterations, repairs, or replacements shall be constructed of noncombustible material.

**Section 504.7 Uncovered Decks**, is hereby amended to read as follows.

Uncovered Decks attached to a building in both residential and commercial buildings for new construction shall meet the one of the following items.

1. Decking installed along the edge of the building it is attached to shall be FRWT or Ignition Resistant Materials, or Non-Combustible materials for a distance of 3 feet outward from the building exterior wall it is attached too.

**Exceptions:**

1. Decks attached to buildings that have an exterior wall material installed for a distance of 4 feet vertically above the deck surface for the entire width of the deck in which those exterior finish materials are FRWT or Ignition Resistant Materials, or Non-Combustible materials.

**Section 504.10 Vents**, is hereby amended to read as follows:

Vents installed in both residential and commercial buildings for new construction or additions shall be installed in accordance with the items listed below.

1. Foundation wall, vertical exterior wall, or roof vents shall not exceed 144 square inches each, such vents shall be covered with non-combustible corrosion resistant mesh with openings not to exceed  $\frac{1}{4}$ ", or shall be designed and approved to prevent flame or ember penetration into the structure.
2. Single Soffit Vents shall not exceed 144 square inches each, such vents shall be covered with non-combustible corrosion resistant mesh with openings not to exceed  $\frac{1}{4}$ ", or shall be designed and approved to prevent flame or ember penetration into the structure.
3. Continuous Soffit Vents shall not exceed 2  $\frac{1}{2}$ " in width and shall be covered with non-combustible corrosion resistant mesh with openings not to exceed  $\frac{1}{4}$ ", or shall be designed and approved to prevent flame or ember penetration into the structure.

**Section 2: 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 3: Effective Date.** This ordinance shall be in full force with an effective date of January 1<sup>st</sup>, 2024.

**Section 4. Public Hearing.** A public hearing on this Ordinance will be held on the 16<sup>th</sup> day of November, 2023, at 7:30 p.m. at the Hayden Town Hall, 178 W Jefferson Ave, Hayden, Colorado.

INTRODUCED, READ, AND ORDERED PUBLISHED PURSUANT TO SECTION 3-3 (d) OF THE HAYDEN HOME RULE CHARTER, BY THE TOWN COUNCIL OF THE TOWN OF HAYDEN, COLORADO, UPON A MOTION DULY MADE, SECONDED AND PASSED AT ITS REGULAR MEETING HELD AT THE TOWN OF HAYDEN, ON THE 2ND DAY OF NOVEMBER 2024.

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Bob Reese, Mayor Pro Tem

ATTEST

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Sharon Johnson, Town Clerk

FINALLY ADOPTED, PASSED, APPROVED, AND ORDERED PUBLISHED PURSUANT TO SECTION 3-3 (h) OF THE HAYDEN HOME RULE CHARTER, BY THE TOWN COUNCIL OF THE TOWN OF HAYDEN, COLORADO, UPON A MOTION DULY MADE, SECONDED AND PASSED AT ITS REGULAR MEETING HELD AT THE TOWN OF HAYDEN, ON THE NOVEMBER 16<sup>th</sup>, 2023

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Ryan Banks, Mayor

ATTEST

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Sharon Johnson, Town Clerk