

**PROPOSED  
2009 INTERNATIONAL BUILDING CODES  
LOCAL AMENDMENTS  
KEY**

**Bold, Capitalized and lower case** = Code Section Titles.

~~Strikethrough~~ = Language deleted from Code.

Normal, Capitalized and lower case = Existing Code language.

**BOLD, ALL CAPITALIZED** = Language added to Code.

**AMENDMENTS**  
**2009 INTERNATIONAL RESIDENTIAL CODE**

Section R101.1 is amended to read as follows:

**R101.1 Title.** ~~These provisions~~ **THIS RESOLUTION** shall be known as the *Residential Code for One- and Two-Family Dwellings* of **GRAND COUNTY, COLORADO. THIS RESOLUTION SHALL BE KNOWN AS THE “BUILDING CODE”, MAY BE CITED AS SUCH, AND WILL BE REFERRED TO HEREIN AS “THIS CODE”. THIS CODE SHALL APPLY TO ALL OF THE UNINCORPORATED AREA OF GRAND COUNTY, COLORADO.**

Section R102.7 is amended to read as follows:

**R102.7 Existing structures.** The legal occupancy of any structure existing on the date of adoption of this code shall be permitted to continue without change, except as is specifically covered in this code, ~~the *International Property Maintenance Code* or the *International Fire Code*~~, or as is deemed necessary by the building official for the general safety and welfare of the occupants and the public.

Section R104.1 is amended to read as follows:

**R104.1 General. THE BUILDING OFFICIAL IS HEREBY AUTHORIZED AND DIRECTED TO ENFORCE ALL OF THE PROVISIONS OF THIS CODE; HOWEVER, A GUARANTEE THAT ALL BUILDINGS AND STRUCTURES HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH ALL OF THE PROVISIONS OF THIS CODE IS NEITHER INTENDED NOR IMPLIED.** The building official is hereby authorized and directed to enforce the provisions of this code. The building 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 conformance 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.

Section R104.8 is amended to read as follows:

**R104.8 Liability. THE ADOPTION OF THIS CODE, AND ANY PREVIOUS CODES ADOPTED BY GRAND COUNTY, SHALL NOT BE DEEMED TO GIVE RISE TO A DUTY OF CARE ON THE PART OF ANY PUBLIC ENTITY, PUBLIC EMPLOYEE OR AGENT, NOR SHALL THIS CODE OR ANY PREVIOUS CODES BE DEEMED TO CREATE ANY CIVIL REMEDY AGAINST A PUBLIC ENTITY, PUBLIC EMPLOYEE OR AGENT.** The building official, member of the board of

appeals or employee charged with the enforcement of this code, while acting for the jurisdiction in good faith and without malice in the discharge of the duties required by this code or other law or ordinance, shall not thereby be rendered liable personally and is hereby relieved from personal liability for any damage accruing to persons or property as a result of any act or by reason of an act or omission in the discharge of official duties. Any suit instituted against an officer or employee because of an act performed by that officer or employee in the lawful discharge of duties and under the provisions of this code shall be defended by legal representative of the jurisdiction until the final termination of the proceedings. The building official or any subordinate shall not be liable for cost in any action, suit or proceeding that is instituted in pursuance of the provisions of this code.

Section R105.2 is amended to read as follows:

**R105.2 Work exempt from permit.** Permits shall not be required for the following. Exemption from the permit requirements of this code shall not be deemed to grant authorization for any work to be done in any manner in violation of the provisions of this code or any other laws or ordinances of this jurisdiction.

**Building:**

1. One-story detached accessory structures **USED AS TOOL AND STORAGE SHEDS, PLAYHOUSES AND SIMILAR USES**, provided the floor area does not exceed ~~200~~**120** square feet.
2. Fences not over 6 feet high.
3. Retaining walls which are not over 4 feet in height measured from the bottom of the footing to the top of the wall, unless supporting a surcharge or impounding Class I, II or III-A liquids.
4. Water tanks supported directly upon grade if the capacity does not exceed 5,000 gallons and the ratio of height to diameter or width does not exceed 2 to 1.
5. ~~Sidewalks and driveways not more than 30 inches above grade and not over any basement or story below~~**PLATFORMS, WALKS AND DRIVEWAYS AT GRADE AND WHICH ARE NOT PART OF AN ACCESSIBLE ROUTE.**
6. Painting, papering, tiling, carpeting, cabinets, counter tops and similar finish work.
7. Prefabricated swimming pools that are less than 24 inches deep.
8. Swings and other playground equipment.
9. Window awnings supported by an exterior wall which do not project more than 54 inches from the exterior wall and do not require additional support.
10. ~~Decks not exceeding 200 square feet in area, that are not more than 30 inches above grade at any point, are not attached to a dwelling and do not serve the exit door required by Section R311.4~~

## 11. AGRICULTURAL BUILDINGS AS DEFINED HEREIN.

Section R105.3.1.1 is amended by deleting in its entirety. **THIS SECTION DELETED.**

Section R105.5 is amended to read as follows:

**R105.5 Expiration.** ~~Every permit issued shall become invalid unless the work authorized by such permit is commenced within 180 days after its issuance, or if the work authorized by such permit is suspended or abandoned for a period of 180 days after the time the work is commenced. The building official is authorized to grant, in writing, one or more extensions of time, for periods not more than 180 days each. The extension shall be requested in writing and justifiable cause demonstrated.~~ **EVERY PERMIT ISSUED BY THE BUILDING OFFICIAL UNDER THE PROVISIONS OF THIS CODE SHALL EXPIRE BY LIMITATION AND BECOME NULL AND VOID IF THE BUILDING OR WORK AUTHORIZED BY SUCH PERMIT IS NOT COMMENCED WITHIN 180 DAYS FROM THE DATE OF SUCH PERMIT, OR IF THE BUILDING OR WORK AUTHORIZED BY SUCH PERMIT IS SUSPENDED OR ABANDONED AT ANY TIME AFTER THE WORK IS COMMENCED FOR A PERIOD OF 240 DAYS.**

**BEFORE SUCH WORK CAN BE COMMENCED, A NEW PERMIT SHALL BE OBTAINED. THE FEE FOR A RE-ISSUED NEW PERMIT SHALL BE ONE-HALF THE AMOUNT REQUIRED FOR A NEW PERMIT FOR SUCH WORK, PROVIDED NO CHANGES HAVE BEEN MADE OR WILL BE MADE IN THE ORIGINAL PLANS AND SPECIFICATIONS FOR SUCH WORK, AND FURTHER PROVIDED THAT SUCH SUSPENSION OR ABANDONMENT HAS NOT EXCEEDED ONE YEAR. CHANGES IN PLANS AND SPECIFICATIONS SHALL REQUIRE AN ADDITIONAL PERMIT FEE AND PLAN REVIEW FEE AS DESCRIBED IN SECTION R106 AND SECTION R108. ANY NULLIFIED PERMIT WHERE THE SUSPENSION OR ABANDONMENTS HAVE EXCEEDED ONE YEAR WILL REQUIRE THE PERMITTEE TO PAY A NEW PERMIT FEE PLUS PLAN REVIEW FEE.**

**ANY PERSON HOLDING AN UNEXPIRED AND VALID PERMIT MAY APPLY FOR AN EXTENSION OF TIME TO COMMENCE WORK, RETURN TO WORK OR COMPLETE WORK UNDER THAT PERMIT BY SUBMITTING A WRITTEN REQUEST DESCRIBING GOOD AND SATISFACTORY REASON FOR SUCH EXTENSION. THIS REQUEST SHALL BE RECEIVED PRIOR TO THE DATE ON WHICH THE ORIGINAL PERMIT EXPIRES OR BECOMES NULL AND VOID. AN EXTENDED PERMIT IS VALID FOR 18 MONTHS FROM THE DATE OF THE EXTENSION, DOES NOT REQUIRE COMPLIANCE WITH CODES ADOPTED SINCE THE ORIGINAL PERMIT WAS ISSUED, AND**

**DOES NOT REQUIRE PAYMENT OF NEW FEES. NO PERMIT SHALL BE EXTENDED MORE THAN TWICE.**

**WHEN A PERMIT HAS EXPIRED OR BEEN NULLIFIED AND A NEW ADDITION OF THE BUILDING CODE HAS BEEN ADOPTED, THE ORIGINAL PLANS SHALL BE REVIEWED AND REQUIRED TO COMPLY WITH THE CURRENT CODE. THE PERMITTEE SHALL PAY A NEW PERMIT FEE BASED ON THE CURRENT PROJECTED VALUATION.**

Section R106 is amended by adding a new subsection to read as follows:

**R106.1.1.1 Proof of water and sewer. THE APPLICANT SHALL PROVIDE DOCUMENTATION THAT WATER AND SEWER TAPS HAVE BEEN OBTAINED OR A WELL PERMIT AND SEPTIC PERMIT HAVE BEEN OBTAINED.**

Section R106.1.3 is amended by deleting in its entirety. **THIS SECTION DELETED.**

Section R106.3.1 is amended to read as follows:

**R106.3.1 Approval of construction documents.** When the building official issues a permit, the construction documents shall be approved in writing or by a stamp which states ~~“REVIEWED FOR CODE COMPLIANCE.”~~ ~~One set of construction documents so reviewed shall be retained by the building official. The other set shall be returned to the applicant, shall be kept at the site of work and shall be open to inspection by the building official or his or her authorized representative.~~ **ONE SET OF APPROVED CONSTRUCTION DOCUMENTS SHALL BE RETAINED BY THE BUILDING DEPARTMENT. ONE SET OF APPROVED CONSTRUCTION DOCUMENTS SHALL BE RETURNED TO THE APPLICANT AND ONE SET OF APPROVED CONSTRUCTION DOCUMENTS SHALL BE KEPT ON SITE OF THE AUTHORIZED WORK AT ALL TIMES.**

Section R106.3.3 is amended to read as follows:

**R106.3.3 Phased approval.** ~~The building official is authorized to issue a permit for the construction of foundations or any other part of a building or structure before the construction documents for the whole building or structure have been submitted, provided that adequate information and detailed statements have been filed complying with pertinent requirements of this code. The holder of such permit for the foundation or other parts of a building or structure shall proceed at the holder’s own risk with the building operation and without assurance that a permit for the entire structure will be granted.~~ **THE BUILDING OFFICIAL SHALL NOT ISSUE A PERMIT FOR THE CONSTRUCTION OF PART OF A BUILDING OR STRUCTURE BEFORE THE ENTIRE PLANS AND**

**SPECIFICATIONS FOR THE ENTIRE BUILDING OR STRUCTURE  
HAVE BEEN SUBMITTED AND APPROVED.**

Section R107 is amended by deleting in its entirety. **THIS SECTION DELETED.**

Section R108 is amended to read as follows:

**R108.2 Schedule of permit fees.** On buildings, structures, ~~electrical, gas,~~ mechanical and plumbing systems or alterations requiring a permit, a fee for each permit shall be paid as required, in accordance with ~~the schedule as established by the applicable governing authority~~ **THE GRAND COUNTY TABLE 1-A BUILDING PERMIT FEE SCHEDULE.**

**R108.5 Refunds.** The building official is authorized to establish a refund policy. **THE BUILDING OFFICIAL MAY AUTHORIZE REFUNDING OF NOT MORE THAN 80 PERCENT OF THE PERMIT FEE PAID WHEN NO WORK HAS BEEN DONE UNDER A PERMIT ISSUED IN ACCORDANCE WITH THIS CODE. THE DEPOSIT PAID FOR A PERMIT APPLICATION IS NON-REFUNDABLE. THE BUILDING OFFICIAL SHALL NOT AUTHORIZE REFUNDING OF ANY FEE PAID EXCEPT ON WRITTEN APPLICATION FILED BY THE ORIGINAL PERMITTEE NOT LATER THAN 180 DAYS AFTER THE DATE OF FEE PAYMENT.**

Section R109 is amended to read as follows:

~~**R109.1.3 Floodplain inspections.** For construction permitted in areas prone to flooding as established by Table R301.2(1), upon placement of the lowest floor, including basement, and prior to further vertical construction, the building official shall require submission of a certification, prepared by a registered professional engineer or land surveyor, of the elevation of the lowest floor, including basement, required in Section R322.~~ **THIS SUBSECTION DELETED.**

Section R109.1.5 is amended by adding a new subsection to read as follows:

**R109.1.5.1 Re-inspections.** A RE-INSPECTION FEE MAY BE ASSESSED FOR EACH INSPECTION OR RE-INSPECTION WHEN SUCH PORTION OF WORK FOR WHICH INSPECTION IS CALLED IS NOT COMPLETE OR WHEN CORRECTIONS CALLED FOR ARE NOT MADE.

**RE-INSPECTION FEES MAY BE ASSESSED WHEN THE INSPECTION RECORD CARD IS NOT POSTED OR OTHERWISE AVAILABLE ON THE WORK SITE, THE APPROVED PLANS ARE NOT READILY AVAILABLE TO THE INSPECTOR, FOR FAILING TO PROVIDE**

**ACCESS ON THE DATE FOR WHICH THE INSPECTION IS REQUESTED OR DEVIATING FROM THE APPROVED PLANS.**

**IN INSTANCES WHERE RE-INSPECTION FEES HAVE BEEN ASSESSED, NO ADDITIONAL INSPECTION OF THE WORK WILL BE PERFORMED UNTIL THE RE-INSPECTION FEE HAS BEEN RECEIVED BY THE BUILDING DEPARTMENT.**

Section 109.3 is amended to read as follows:

**R109.3 Inspection requests.** ~~It shall be the duty of the holder of the permit or their duly authorized agent to notify the code official when work is ready for inspection. It shall be the duty of the permit holder to provide access to and means for inspections of such work that are required by this code.~~ **IT SHALL BE THE DUTY OF THE PERSON DOING THE WORK, THE OWNER, CONTRACTOR OR SUBCONTRACTOR TO KNOW THAT THE BUILDING OR STRUCTURE HAS A VALID PERMIT AND TO NOTIFY THE BUILDING DEPARTMENT WHEN WORK IS READY FOR INSPECTION.**

**UPON CONVICTION, A FINE WILL BE ASSESSED TO THE PERSON DOING THE WORK, THE OWNER, CONTRACTOR OR SUBCONTRACTOR IF WORK IS BEING DONE WITHOUT A PERMIT AND THE INSPECTION IS NOT REQUESTED PER SECTION 109.**

**IT SHALL BE THE DUTY OF THE PERSON DOING THE WORK, THE OWNER, CONTRACTOR OR SUBCONTRACTOR REQUESTING ANY INSPECTIONS REQUIRED BY THIS CODE TO PROVIDE ACCESS AND MEANS FOR INSPECTION OF SUCH WORK.**

**ALL INSPECTIONS REQUESTED PRIOR TO 3:00 P.M. WILL BE PERFORMED THE FOLLOWING WORKING DAY. SUCH REQUEST FOR INSPECTION MAY BE IN WRITING OR BY CALLING THE 24 HOUR AUTOMATED TELEPHONE ANSWERING SYSTEM.**

Section R110 is amended to read as follows:

**R110.1 Use and occupancy.** No building or structure shall be used or occupied, and no change in the existing occupancy classification of a building or structure or portion thereof shall be made until the building official has issued a ~~certificate of occupancy~~ **LETTER OF OCCUPANCY** therefore as provided herein. Issuance of a ~~certificate of occupancy~~ **LETTER OF OCCUPANCY** shall not be construed as an approval of a violation of the provisions of this code or of other ordinances of the jurisdiction. ~~Certificates~~ **LETTERS OF OCCUPANCY** presuming to give authority to violate or cancel the provisions of this code or other ordinances of the jurisdiction shall not be valid.

**R110.3 Certificate LETTER issued.** After the building official inspects the building or structure and finds no violations of the provisions of this code or other laws that are enforced by the ~~department of building and safety,~~ **CODE ENFORCEMENT AGENCY, AND ALL CONDITIONS OF ISSUANCE HAVE BEEN MET,** the building official shall issue a ~~certificate of occupancy~~ **LETTER OF OCCUPANCY** which shall contain the following:

1. The building permit number.
2. The address of the structure.
3. The name and address of the owner.
4. A description of that portion of the structure for which the ~~certificate~~ **LETTER OF OCCUPANCY** is issued.
5. A statement that the described portion of the structure has been inspected for compliance with the requirements of this code.
6. The name of the building official.
7. The edition of the code under which the permit was issued.
8. If an automatic sprinkler system is provided and whether the sprinkler system is required.
9. Any special stipulations and conditions of the building permit.

**R110.4 Temporary occupancy.** ~~The building official is authorized to issue a temporary certificate of occupancy before the completion of the entire work covered by the permit, provided that such portion or portions shall be occupied safely. The building official shall set a time period during which the temporary certificate of occupancy is valid.~~ **TEMPORARY LETTERS, CERTIFICATES OF OCCUPANCY ARE PROHIBITED AND SHALL NOT BE ISSUED.**

**R110.5 Revocation.** The building official shall, in writing, suspend or revoke a ~~certificate of occupancy~~ **LETTER OF OCCUPANCY** issued under the provisions of this code wherever the ~~certificate~~ **LETTER OF OCCUPANCY** is issued in error, or on the basis of incorrect information supplied, or where it is determined that the building or structure or portion thereof is in violation of any ordinance or regulation or any of the provisions of this code.

Section R111 is amended to read as follows:

**R111.1 Connection of service utilities.** ~~No person shall make connections from a utility, source of energy, fuel or power to any building or system that is regulated by this code for which a permit is required, until approved by the building official.~~ **THIS SUBSECTION DELETED.**

**R111.2 Temporary connection.** ~~The building official shall have the authority to authorize and approve the temporary connection of the building or system to the utility source of energy, fuel or power.~~ **THIS SUBSECTION DELETED.**

Section R112 is amended to read as follows:

**~~R112.2.1 Determination of substantial improvement in areas prone to flooding.~~** When the building official provides a finding required in Section R105.3.1.1, the board of appeals shall determine whether the value of the proposed work constitutes a substantial improvement. A substantial improvement means any repair, reconstruction, rehabilitation, addition, or improvement of a building or structure, the cost of which equals or exceeds 50 percent of the market value of the building or structure before the improvement or repair is started. If the building or structure has sustained substantial damage, all repairs are considered substantial improvement regardless of the actual repair work performed. The term does not include:

- ~~1. Improvements of a building or structure required to correct existing health, sanitary or safety code violations identified by the building official and which are the minimum necessary to assure safe living conditions.~~
  - ~~2. Any alteration of an historic building or structure provided that the alteration will not preclude the continued designation as an historic building or structure.~~
- THIS SUBSECTION DELETED.**

**~~R112.2.2 Criteria for issuance of a variance for areas prone to flooding.~~** A variance shall only be issued upon:

- ~~1. A showing of good and sufficient cause that the unique characteristics of the size, configuration or topography of the site render the elevation standards in Section R322 inappropriate.~~
- ~~2. A determination that failure to grant the variance would result in exceptional hardship by rendering the lot un-developable.~~
- ~~3. A determination that the granting of a variance will not result in increased flood heights, additional threats to public safety, extraordinary public expense, nor create nuisances, cause fraud on or victimization of the public, or conflict with existing local laws or ordinances.~~
- ~~4. A determination that the variance is the minimum necessary to afford relief, considering the flood hazard.~~
- ~~5. Submission to the applicant of written notice specifying the difference between the design flood elevation and the elevation to which the building is to be built, stating that the cost of flood insurance will be commensurate with the increased risk resulting from the reduced elevation, and stating that construction below the design flood elevation increases risks to life and property.~~ **THIS SUBSECTION DELETED.**

**R112.3 Qualifications.** The board of appeals shall consist of members who are qualified by experience and training to pass on matters pertaining to building construction and are not employees of the jurisdiction. **THERE SHALL BE AND IS HEREBY CREATED A BOARD OF APPEALS, WHICH SHALL**

**BE KNOWN AS THE BOARD OF REVIEW, CONSISTING OF FIVE MEMBERS WHO ARE QUALIFIED BY EXPERIENCE AND TRAINING TO PASS UPON MATTERS PERTAINING TO BUILDING CONSTRUCTION.**

**THE BUILDING OFFICIAL SHALL BE AN EX-OFFICIO MEMBER AND SHALL ACT AS SECRETARY OF THE BOARD. THE BOARD OF REVIEW SHALL BE APPOINTED AND THEIR TERM OF OFFICE SHALL BE SET BY THE BOARD OF COUNTY COMMISSIONERS OF WHICH AT LEAST A TERM OF ONE MEMBER SHALL EXPIRE EACH YEAR.**

**ANY MEMBER OF THE BOARD MAY BE REMOVED FOR CAUSE BY THE BOARD OF COUNTY COMMISSIONERS UPON WRITTEN CHARGES AND AFTER A PUBLIC HEARING. VACANCIES SHALL BE FILLED FOR THE UNEXPIRED TERM IN THE SAME MANNER AS IN THE CASE OF ORIGINAL APPOINTMENTS.**

**THE BOARD OF APPEALS SHALL HAVE JURISDICTION TO DECIDE ANY APPEAL FROM THE BUILDING OFFICIAL IF THE DECISION OF THE BUILDING OFFICIAL CONCERNS SUITABLE OR ALTERNATIVE MATERIALS, METHODS OF CONSTRUCTION, OR A REASONABLE INTERPRETATION OF THE CODE.**

**BOARD OF APPEALS SHALL NOT HEAR APPEALS WITH REGARD TO LIFE-SAFETY ITEMS.**

**THE FIRST ORDER OF BUSINESS AT ANY HEARING AT THE BOARD OF APPEALS SHALL BE TO DETERMINE IF IT HAS JURISDICTION TO HEAR THE APPEAL.**

**ANY APPEAL TO THE BOARD OF APPEALS SHALL BE PRECEDED BY A WRITTEN APPEAL TO THE BUILDING OFFICIAL, WHO SHALL REPLY IN WRITING. THE DECISION OF THE BUILDING OFFICIAL MAY BE APPEALED TO THE BOARD OF APPEALS BY SERVING UPON THE SECRETARY OF THE BOARD OF APPEALS, WITHIN TEN DAYS FROM THE DATE OF THE DECISION OF THE BUILDING OFFICIAL, A NOTICE OF APPEAL TO THE BUILDING OFFICIAL AND A COPY OF THE BUILDING OFFICIAL'S DECISION.**

**A NOTICE OF APPEAL SHALL BE ACCOMPANIED BY A FEE OF \$250.00.**

Section R113 is amended to read as follows:

**R113.1 Unlawful acts.** It shall be unlawful for any person, firm, or corporation to erect, construct, alter, extend, repair, move, remove, demolish or occupy any building, structure or equipment regulated by this code, or cause same to be done, in conflict with or in violation of any of the provisions of this code. **ANY PERSON AS DEFINED HEREIN (SECTION R202) WHO ERECTS, CONSTRUCTS, RECONSTRUCTS, REMODELS, ENLARGES, ALTERS, REPAIRS, MOVES, IMPROVES, CONVERTS, DEMOLISHES, EQUIPS, USES, OCCUPIES, OR MAINTAINS ANY BUILDING OR STRUCTURE, OR ANY PART OF A BUILDING OR STRUCTURE, IN THE UNINCORPORATED AREA OF GRAND COUNTY OR CAUSES THE SAME TO BE DONE, CONTRARY TO OR IN VIOLATION OF ANY PROVISIONS OF THIS CODE, OR ANY PROVISIONS OF PART 2, ARTICLE 28, TITLE 30, C.R.S., 1973, AS AMENDED SHALL BE DEEMED GUILTY OF A MISDEMEANOR.**

**AND UPON CONVICTION THEREOF, SHALL BE FINED NOT MORE THAN \$100.00, OR BY IMPRISONMENT IN THE COUNTY JAIL FOR NOT MORE THAN TEN DAYS, OR BOTH BY SUCH FINE AND IMPRISONMENT. EACH AND EVERY DAY DURING WHICH SUCH ILLEGAL ERECTION, CONSTRUCTION, RECONSTRUCTION, REMODEL, ENLARGEMENT, ALTERATION, REPAIR, MOVE, IMPROVEMENT, CONVERSION, DEMOLITION, MAINTENANCE OR USE CONTINUES SHALL BE DEEMED A SEPARATE OFFENSE.**

**IN CASE ANY BUILDING OR STRUCTURE IS OR IS PROPOSED TO BE ERECTED, CONSTRUCTED, RECONSTRUCTED, ENLARGED, ALTERED, REPAIRED, MOVED, IMPROVED, CONVERTED, DEMOLISHED, MAINTAINED OR USED IN VIOLATION OF THIS CODE OR OF ANY PROVISION OF PART 2, ARTICLE 28, TITLE 30, C.R.S., AS AMENDED, THE DISTRICT ATTORNEY OF THE DISTRICT, THE BOARD OF COUNTY COMMISSIONERS OF GRAND COUNTY, OR ANY OWNER OF REAL ESTATE WITHIN THE AREA SUBJECT TO THIS CODE, IN ADDITION TO OTHER REMEDIES PROVIDED BY LAW, MAY INSTITUTE AN APPROPRIATE ACTION FOR INJUNCTION, MANDAMUS OR ABATEMENT TO PREVENT, ENJOIN, ABATE, OR REMOVE SUCH UNLAWFUL ERECTION, CONSTRUCTION, RECONSTRUCTION, REMODEL, ENLARGEMENT, ALTERATION, REPAIR, MOVE, IMPROVEMENT, CONVERSION, DEMOLITION, MAINTENANCE OR USE.**

Section R113.4.4 is amended by deleting in its entirety.

~~**R113.4 Violation penalties.** Persons who shall violate a provision of this code or shall fail to comply with any of the requirements thereof or who shall erect,~~

~~install, alter or repair mechanical work in violation of the approved construction documents or directive of the code official, or of a permit or certificate issued under the provisions of this code, shall be guilty of a [SPECIFY OFFENSE], punishable by a fine of not more than [AMOUNT] dollars or by imprisonment not exceeding [NUMBER OF DAYS], or both such fine and imprisonment. Each day that a violation continues after due notice has been served shall be deemed a separate offense.~~

Section R202 is amended by adding the following definitions within the alphabetical order of the existing definitions.

**ACCESSORY DWELLING UNIT.** One additional dwelling unit within, and not legally sub-dividable from, the principal structure. This additional dwelling unit shall be no greater than 50 percent of the square footage of the primary dwelling unit, or 1500 square feet, whichever is the lesser size. The dwelling must be in a continuous enclosure. Any dwelling spaces joined by a garage or breezeway are not considered to be a single-dwelling. The entire dwelling must function as a unit without any permanent physical separation such as wall or floor with no means of connection.

**AGRICULTURAL BUILDING.** A structure located on real property classified as agriculture by the Grand County Assessor that is designed, constructed and used to house farm implements, hay, grain, poultry, livestock or other horticultural products. This structure shall not be a place of human habitation or a place of employment where agricultural products are processed, treated or packaged, nor shall it be a place used by the public.

**BEDROOM.** A room which is designed as a sleeping room, a loft, a mezzanine in group R occupancies or a room or area that can be used as a sleeping room and contains a closet.

**CERTIFICATE OF OCCUPANCY.** A written notification from the building official that the work covered under the permit is complete and the permit is closed. Certificate of Occupancy is issued only to structures other than Group R Division 3, and Group U occupancies.

**FACTORY BUILT BUILDING.** A building which is assembled in a facility that has been approved by the State of Colorado, built to the building, plumbing and mechanical codes as adopted by the Colorado Division of Housing, with the work performed at the facility inspected by and bearing the Colorado Division of Housing identification label.

**FIRE DEPARTMENT.** The Chief Officer of East Grand, Granby, Grand Fire Protection District, Grand Lake, Hot Sulphur Springs and Kremmling fire protection districts, or the Chief Officer's authorized representative.

**HEIGHT, BUILDING.** ~~The vertical distance from grade plane to the average height of the highest roof surface.~~ **THE VERTICAL DISTANCE ABOVE A REFERENCE DATUM MEASURED TO THE HIGHEST POINT OF THE STRUCTURE. THE REFERENCE DATUM SHALL BE SELECTED BY EITHER OF THE FOLLOWING, WHICHEVER YIELDS A GREATER HEIGHT OF BUILDING;**

- 1. THE ELEVATION OF THE HIGHEST ADJOINING SIDEWALK OR GROUND SURFACE WITHIN A 10 FOOT HORIZONTAL DISTANCE OF THE EXTERIOR WALL OF THE BUILDING OR STRUCTURE WHEN SUCH SIDEWALK OR GROUND SURFACE IS NOT MORE THAN 5 FEET ABOVE THE LOWEST GRADE.**
- 2. AN ELEVATION 5 FEET HIGHER THAN THE LOWEST GRADE WHEN THE SIDEWALK OR GROUND SURFACE DESCRIBED IN ITEM 1 ABOVE IS MORE THAN 5 FEET ABOVE LOWEST GRADE.**

**THE HEIGHT OF A STEPPED OR TERRACED BUILDING IS THE MAXIMUM HEIGHT OF ANY SEGMENT OF THE BUILDING.**

**KITCHEN.** A room or area that is designated to be used for the preparation of food which contains more than one standard size kitchen appliance or fixture.

**LETTER OF OCCUPANCY.** A written notification from the building official that the permit has been closed and the Group R-3 structure is safe and sanitary to occupy.

**MANUFACTURED HOME.** A single family dwelling which is partially or entirely assembled in a factory, is not less than twenty-four feet in width and thirty-six feet in length, is installed on an engineered, permanent foundation, has a brick, wood or cosmetically equivalent exterior and a pitched roof, is certified pursuant to the "National Manufactured Housing Construction and Safety Standards Act of 1974", 42 U.S.C. 5401 et seq., as amended, and bearing the H.U.D. identification label. Installed and set up as required in the set up manual supplied with the manufactured home.

**PERSON.** A natural person or any individual, partnership, corporation, association, company or other public or corporate body, including the federal government, and includes any political subdivision, agency, **INSTRUMENTALITY**, or corporation of the state or the United States government. Singular includes plural, male includes female.

**USEABLE SPACE UNDER FLOORS.** Useable space is that space under the first story between the underside of the floor joist or floor truss and the ground below which exceeds 30 inches at any point.

Section R301 is amended to read as follows:

**Table R301.2(1)**

**ROOF SNOW LOAD – AS DETERMINED BY GRAND COUNTY SNOW  
LOAD/SNOW ZONE MAP OR GRAND COUNTY SUBDIVISION INDEX**

**WIND SPEED – 90MPH**

**TOPOGRAPHIC EFFECTS – NO**

**SEISMIC DESIGN CATEGORY – B**

**WEATHERING PROBABILITY FOR CONCRETE – SEVERE**

**FROST LINE DEPTH – 30 INCHES**

**TERMITE INFESTATION PROBABILITY – NONE TO SLIGHT**

**WINTER DESIGN TEMPERATURE - -16**

**ICE BARRIER – YES**

**FLOOD HAZARDS – NO**

**DECAY PROBABILITY – NONE TO SLIGHT**

**EXPOSURE CATEGORY – C**

Table R301.4 is amended to read as follows:

**TABLE R301.5**

<b>Balconies (exterior) and decks, e.</b>	<b><del>40</del> 60</b>
<b>Sleeping rooms</b>	<b><del>30</del> 40</b>

**Foot note e. Uncovered decks and balconies shall be designed to a uniformly distributed live load of 60lbs. per square foot or the design snow load whichever is greater.**

Section R305.1 is amended to read as follows:

**R305.1 Minimum height.** *Habitable space*, hallways, bathrooms, toilet rooms, laundry rooms and ~~portions of UNFINISHED basements containing these spaces~~ shall have a ceiling height of not less than 7 feet. **THE REQUIRED HEIGHT SHALL BE MEASURED FROM THE FINISHED FLOOR TO THE LOWEST PROJECTION FROM THE CEILING.**

**Exceptions:**

1. For rooms with sloped ceilings, at least 50 percent of the required floor area of the room must have a ceiling height of at least 7 feet and no portion of the required floor area may have a ceiling height of less than 5 feet.
2. Bathrooms shall have a minimum ceiling height of 6 feet 8 inches at the center of the front clearance area for fixtures as shown in Figure R307.1. The ceiling height above fixtures shall be such that the fixture is capable of being used for its intended purpose. A shower or tub equipped with a showerhead shall have a minimum ceiling height of 6 feet 8 inches above a minimum area 30 inches by 30 inches at the showerhead.

Section R305.1.1 is amended by deleting in its entirety.

~~**R305.1.1 Basements.** Portions of *basements* that do not contain *habitable space*, hallways, bathrooms, toilet rooms and laundry rooms shall have a ceiling height of not less than 6 feet 8 inches.~~

~~**Exception:** Beams, girders, ducts or other obstructions may project to within 6 feet 4 inches of the finished floor.~~

Section R306 is amended by adding a new subsection to read as follows:

**R306.5 Sanitation at construction sites. TOILET FACILITIES SHALL BE PROVIDED FOR CONSTRUCTION WORKERS AND SUCH FACILITIES SHALL BE CONVENIENTLY LOCATED AND MAINTAINED IN A SANITARY CONDITION. THE FACILITIES SHALL BE AVAILABLE FROM THE TIME THE FIRST WORK IS STARTED UNTIL THE LETTER OF OCCUPANCY OR CERTIFICATE OF OCCUPANCY IS ISSUED.**

Section R309.5 is amended by deleting in its entirety.

~~**R309.5 Flood hazard areas.** For buildings located in flood hazard areas as established by Table 301.2(1), garage floors shall be:~~

- ~~1. Elevated to or above the design flood elevation as determined in Section R322; or~~

~~2. Located below the design flood elevation provided they are at or above grade on at least one side, are used solely for parking, building access, or storage, meet the requirements of Section R322, and are otherwise constructed in accordance with this code. THIS SUBSECTION DELETED.~~

Section R310.1 is amended to read as follows:

**R310.1 Emergency escape and rescue required.** Basements, habitable attics and every sleeping room, **LOFT, MEZZANINE IN GROUP R OCCUPANCIES, OR A ROOM OR AREA THAT CAN BE USED AS A SLEEPING ROOM AND CONTAINS A CLOSET** shall have at least one operable emergency escape and rescue opening. Where basements contain one or more sleeping rooms, emergency egress and rescue openings shall be required in each sleeping room. Where emergency escape and rescue openings are provided they shall have a sill height of not more than 44 inches above the floor. Where a door opening having a threshold below the adjacent ground elevation serves as an emergency escape and rescue opening and is provided with a bulkhead enclosure, the bulkhead enclosure shall comply with Section R310.3. The net clear opening dimensions required by this section shall be obtained by the normal operation of the emergency escape and rescue opening from the inside. Emergency escape and rescue openings with a finished sill height below the adjacent ground elevation shall be provided with a window well in accordance with Section R310.2. Emergency escape and rescue openings shall open directly into a public way, or to a yard or court that opens to a public way.

Section R311.7.4.3 is amended to read as follows:

**R311.7.4.3 Profile.** The radius of curvature at the leading edge of the tread shall be no greater than 9/16 inch. A nosing not less than  $\frac{3}{4}$  inch but not more than  $1\frac{1}{4}$  inches shall be provided on stairways with solid risers. The greatest nosing projection shall not exceed the smallest nosing projection by more than  $\frac{3}{8}$  inch between two stories, including the nosing at the level of floors and landings. Beveling of nosing shall not exceed  $\frac{1}{2}$  inch. Risers shall be vertical or sloped under the tread above from the underside of the nosing above at an angle not more than 30 degrees from the vertical. Open risers are permitted, ~~provided that the opening between treads does not permit the passage of a 4 inch diameter sphere.~~

Section R313 is amended to read as follows:

**R313.1 Townhouse automatic fire sprinkler systems. EFFECTIVE JANUARY 1, 2013** An automatic residential fire sprinkler system shall be installed in *townhouses*.

**Exception:** An automatic residential fire sprinkler system shall not be required when *additions* or *alterations* are made to existing *townhouses* that do not have an automatic residential fire sprinkler system installed.

**R313.1.1 Design and installation.** Automatic residential fire sprinkler systems for *townhouses* shall be designed and installed in accordance with Section P2904.

~~**R313.2 One and two family dwellings automatic fire systems.** Effective January 1, 2011, an automatic residential fire sprinkler system shall be installed in one and two family *dwellings*.~~

~~**Exception:** An automatic residential fire sprinkler system shall not be required for *additions* or *alterations* to existing buildings that are not already provided with an automatic residential fire sprinkler system.~~

~~**R313.2.1 Design and installation.** Automatic residential fire sprinkler systems shall be designed and installed in accordance with Section P2904 or NFPA 13D.~~

Section R322 **FLOOD-RESISTANT CONSTRUCTION** is amended by deleting in its entirety. **THIS SECTION DELETED.**

Section R403.1 is amended to read as follows:

**R403.1 General.** All exterior walls shall be supported on continuous solid or fully grouted masonry or concrete footings, crushed stone footings, wood foundations, or other approved structural systems which shall be of sufficient design to accommodate all loads according to Section R301 and to transmit the resulting loads to the soil within the limitations as determined from the character of the soil. Footings shall be supported on undisturbed natural soils or engineered fill. **EXCEPT WHERE ERECTED ON SOLID ROCK OR OTHERWISE PROTECTED FROM FROST, FOUNDATION WALLS, PIERS AND OTHER PERMANENT SUPPORTS OF BUILDINGS AND STRUCTURES LARGER THAN 120 SQUARE FEET IN AREA OR 10 FEET IN HEIGHT SHALL EXTEND TO AT LEAST 30 INCHES BELOW FINISHED GRADE, AND SPREAD FOOTINGS OF 8 INCHES THICK X 16 INCHES WIDE MINIMUM SIZE SHALL BE PROVIDED TO PROPERLY DISTRIBUTE THE LOAD WITHIN THE ALLOWABLE LOAD-BEARING VALUE OF THE SOIL.**

**ALTERNATIVELY, SUCH STRUCTURES SHALL BE SUPPORTED ON PILES WHERE SOLID EARTH OR ROCK IS NOT AVAILABLE. FOOTINGS SHALL NOT BEAR ON FROZEN SOILS. CONCRETE FOOTINGS SHALL INCLUDE A MINIMUM OF TWO #4 REINFORCEMENT BARS TO BE TIED CONTINUOUSLY AND SPACED A MINIMUM OF TWO INCHES FROM THE GROUND AND EQUALLY WITHIN THE FOOTING. FOOTINGS SHALL BE SO DESIGNED THAT THE ALLOWABLE BEARING CAPACITY OF THE SOIL IS NOT EXCEEDED, AND THAT DIFFERENTIAL SETTLEMENT IS MINIMIZED. THE MINIMUM WIDTH OF FOOTINGS SHALL BE 16 INCHES.**

**EXCEPTION: UNLESS DESIGNED AND STAMPED BY AN ENGINEER.**

Section R403.1.1 is amended to read as follows:

**R403.1.1 Minimum size.** ~~Minimum sizes for concrete and masonry footings shall be as set forth in Table R403.1 and Figure R403.1(1). The footing width,  $W$ , shall be based on the load bearing value of the soil in accordance with Table R401.4.1. Spread footings shall be at least 6 8 inches in thickness. Footing projections,  $P$ , shall be at least 2 inches and shall not exceed the thickness of the footing. The size of footings supporting piers and columns shall be based on the tributary load and allowable soil pressure in accordance with Table R401.4.1. Footings for wood foundations shall be in accordance with the details set forth in Section R403.2, and Figures R403.1(2) and R403.1(3).~~

Section R408.7 is amended by deleting in its entirety.

~~**R408.67 Flood resistance.** For buildings located in areas prone to flooding as established in Table R301.2(1):~~

- ~~1. The walls enclosing the underfloor space shall be provided with flood openings in accordance with Section R322.2.2.~~
- ~~2. The finished ground level of the under floor space shall be equal to or higher than the outside finished ground level on at least one side.~~

~~**Exception:** Under floor spaces that meet the requirements of FEMA/FIA TB 11-1.~~

Section R408 is amended by adding a new subsection to read as follows.

**R408.8 Vapor retarder ground cover.** A VAPOR RETARDER GROUND COVER SHALL BE OF 6 MIL POLYETHYLENE, OR AN APPROVED EQUAL WITH A RATING OF 1 PERM OR LESS. THE VAPOR RETARDER SHALL COVER THE ENTIRE GROUND AREA WITHIN CRAWLSPACES IN ACCORDANCE WITH THE FOLLOWING:

1. **THE VAPOR RETARDER SHALL BE OVERLAPPED SIX INCHES MINIMUM AT JOINTS AND SHALL EXTEND OVER THE TOP OF PIER FOOTINGS.**
2. **THE EDGES OF THE VAPOR RETARDER SHALL BE TURNED UP A MINIMUM OF FOUR INCHES AT THE STEM WALL.**
3. **PENETRATIONS IN THE VAPOR RETARDER SHALL BE NO LARGER THAN NECESSARY TO FIT PIERS, BEAM SUPPORTS, PLUMBING AND OTHER PENETRATIONS.**

Section R502.11 is amended to read as follows:

**R502.11.1 Design.** Wood trusses shall be designed in accordance with approved engineering practice. The design and manufacture of metal plate connected wood trusses shall comply with ANSI/TPI 1. The design drawings shall be prepared by a registered professional where required by the statutes of the jurisdiction in which the project is to be constructed in accordance with Section R106.1. **THE USE OF LOAD DURATION FACTORS FOR SNOW LOAD OR SLOPE OF ROOF SHALL BE PROHIBITED.**

Section R602 is amended by adding two new exceptions to read as follows:

**R602.2 Grade.** Studs shall be a minimum No. 3, standard or stud grade lumber.

**Exception:**

1. Bearing studs not supporting floors and non-bearing studs may be utility grade lumber, provided the studs are spaced in accordance with Table R602.3(5).
2. **IN SINGLE FAMILY DWELLINGS OF LOG CONSTRUCTION, WALL LOGS NEED NOT BE GRADED.**
3. **IN SINGLE FAMILY DWELLINGS OF LOG CONSTRUCTION, ALL STRUCTURAL LOGS MAY BE DESIGNED BY A LICENSED COLORADO ARCHITECT OR ENGINEER AND INSPECTED BY THAT ARCHITECT OR ENGINEER AFTER THE COMPLETION OF THE FRAMING WITH THE ARCHITECT OR ENGINEER CERTIFYING TO THE BUILDING DEPARTMENT THAT THE LOGS ARE OF THE SIZE, QUALITY AND SPECIES OF THE DESIGN AND THAT THEY WERE INSTALLED TO THAT DESIGN. WALL LOGS NEED NOT BE PART OF THE STRUCTURAL DESIGN.**

Section R602.3 is amended to read as follows:

**R602.3 Design and construction.** Exterior walls of wood-frame construction shall be designed and constructed in accordance with the provisions of this chapter and Figures R602.3(1) and R602.3(2) or in accordance with AF&PA's NDS. **THE USE OF LOAD DURATION FACTORS FOR SNOW LOAD SHALL BE PROHIBITED.** Components of exterior walls shall be fastened in accordance with Tables R602.3(1) through R602.3(4). Structural wall sheathing shall be fastened directly to structural framing members. Exterior wall coverings shall be capable of resisting the wind pressures listed in Table R301.2(2) adjusted for height and exposure using table R301.2(3). Wood structural panel sheathing used for exterior walls shall conform to the requirements of Table R602.3(3).

Section R802.2 is amended to read as follows:

**R802.2 Design and construction.** The framing details required in Section R802 apply to roofs having a minimum slope of three units vertical in 12 units horizontal (25-percent) or greater. Roof-ceilings shall be designed and constructed in accordance with the provisions of this chapter and Figures R606.11(1), R606.11(2) and R606.11(3) or in accordance with AFPA/NDS. **THE USE OF LOAD DURATION FACTORS FOR SNOW LOAD OR SLOPE OF ROOF SHALL BE PROHIBITED.** Components of roof-ceilings shall be fastened in accordance with Table R602.3(1).

Section R802.10 is amended to read as follows:

**R802.10.2 Design.** Wood trusses shall be designed in accordance with accepted engineering practice. The design and manufacture of metal-plate-connected wood trusses shall comply with ANSI/TPI 1. The truss design drawings shall be prepared by a registered professional where required by the statutes of the *jurisdiction* in which the project is to be constructed in accordance with Section R106.1. **THE USE OF LOAD DURATION FACTORS FOR SNOW LOAD OR SLOPE OF ROOF SHALL BE PROHIBITED.**

Section R803.2 is amended by adding a new subsection to read as follows:

**R803.2.1.3 Wood structural panel sheathing thickness. A MINIMUM OF 5/8 INCH PLYWOOD, PARTICLE BOARD OR WAFERWOOD SHALL BE USED ON ROOF RAFTERS OR ROOF TRUSSES SPACED 24 INCHES ON CENTER IN ANY SNOW LOAD AREA.**

**Wood structural panel roof sheathing shall be bonded by exterior glue.**

Section R903 is amended by adding a new subsection to read as follows:

**R903.2.2.1 Mechanical barriers for metal roof shingles and metal roof panels. ROOFS WITH METAL ROOF SHINGLES OR METAL ROOF PANELS SHALL BE DESIGNED SO AS TO PREVENT ACCUMULATIONS OF SNOW FROM SHEDDING ONTO PEDESTRIAN AND VEHICULAR EXITS FROM BUILDINGS AND ON TO SIDEWALKS, STREETS AND ALLEY WAYS.**

**MECHANICAL BARRIERS INSTALLED TO PREVENT SNOW SHEDDING FROM THE ROOF SHALL BE SECURED TO ROOF FRAMING MEMBERS OR TO SOLID BLOCKING SECURED TO FRAMING MEMBERS IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.**

**INDIVIDUAL DEVICES INSTALLED IN A GROUP OF DEVICES TO CREATE A BARRIER TO PREVENT SNOW SHEDDING SHALL BE INSTALLED IN AT LEAST TWO ROWS WITH THE FIRST ROW NO MORE THAN 24 INCHES FROM THE EDGE OF THE ROOF OR EAVE. THE ROWS SHALL BE PARALLEL WITH THE EXTERIOR WALL LINE AND THE DEVICES IN EACH ROW SHALL BE STAGGERED FOR A SPACING OF NO MORE THAN 24 INCHES ON CENTER MEASURED PARALLEL WITH THE EXTERIOR WALL LINE.**

**CONTINUOUS SNOW BARRIERS SHALL BE SECURED TO ROOF FRAMING AT NO MORE THAN 48 INCHES ON CENTER. CONTINUOUS BARRIERS SHALL BE INSTALLED PARALLEL WITH THE EXTERIOR WALL LINE AND NO MORE THAN 24 INCHES FROM THE EDGE OF THE ROOF OR EAVE.**

Section R905 is amended by adding two new subsections to read as follows:

**R905.1.1 Ice barrier. AN ICE BARRIER THAT CONSISTS OF AN APPROVED SELF-ADHERING POLYMER MODIFIED BITUMEN SHEET SHALL BE USED IN LIEU OF NORMAL UNDERLAYMENT ON ALL SLOPED ROOFS. THIS ICE DAM PROTECTION UNDERLAYMENT SHALL BE INSTALLED FROM THE EAVES TO A POINT 6 FEET INSIDE THE EXTERIOR WALL LINE OF THE BUILDING AND 24 INCHES FROM THE CENTER LINE OF ALL VALLEYS, FULLY ADHERED TO THE SUBSTRATE ON ALL HABITABLE STRUCTURES.**

**Exception: DETACHED ACCESSORY STRUCTURES THAT CONTAIN NO CONDITIONED FLOOR AREA.**

**R905.1.2 Snow-shed barriers. ROOFS SHALL BE DESIGNED TO PREVENT ACCUMULATIONS OF SNOW FROM SHEDDING ABOVE OR IN FRONT OF GAS UTILITY OR ELECTRIC UTILITY METERS.**

Section R905.2.7.1 is amended by deleting in its entirety.

~~**R905.2.7.1 Ice barrier.** In areas where there has been a history of ice forming along the eaves causing a backup of water as designated in Table R301.2(1), an ice barrier that consists of at least two layers of underlayment cemented together or of a self-adhering polymer modified bitumen sheet, shall be used in lieu of normal underlayment and extend from the lowest edges of all roof surfaces to a point at least 24 inches inside the exterior wall line of the building.~~

~~**Exception:** Detached *accessory structures* that contain no *conditioned floor area*.~~

Section R905.4.3.1 is amended by deleting in its entirety.

~~**R905.4.3.1 Ice barrier.** In areas where there has been a history of ice forming along the eaves causing a backup of water as designated in Table R301.2(1), an ice barrier that consists of at least two layers of underlayment cemented together or of a self-adhering polymer modified bitumen sheet, shall be used in lieu of normal underlayment and extend from the lowest edges of all roof surfaces to a point at least 24 inches inside the exterior wall line of the building.~~

~~**Exception:** Detached *accessory structures* that contain no *conditioned floor space*.~~

Section R905.4 is amended by adding a new subsection to read as follows:

**R905.4.7 MECHANICAL BARRIERS. MECHANICAL BARRIERS INSTALLED TO PREVENT SNOW SHEDDING FROM THE ROOF SHALL BE SECURED TO ROOF FRAMING MEMBERS OR TO SOLID BLOCKING SECURED TO FRAMING MEMBERS IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.**

**INDIVIDUAL DEVICES INSTALLED IN A GROUP OF DEVICES TO CREATE A BARRIER TO PREVENT SNOW SHEDDING SHALL BE INSTALLED IN AT LEAST TWO ROWS WITH THE FIRST ROW NO MORE THAN 24 INCHES FROM THE EDGE OF THE ROOF OR EAVE. THE ROWS SHALL BE PARALLEL WITH THE EXTERIOR WALL LINE AND THE DEVICES IN EACH ROW SHALL BE STAGGERED FOR A SPACING OF NO MORE THAN**

**24 INCHES ON CENTER MEASURED PARALLEL WITH THE EXTERIOR WALL LINE.**

**CONTINUOUS SNOW BARRIERS SHALL BE SECURED TO ROOF FRAMING AT NO MORE THAN 48 INCHES ON CENTER. CONTINUOUS BARRIERS SHALL BE INSTALLED PARALLEL WITH THE EXTERIOR WALL LINE AND NO MORE THAN 24 INCHES FROM THE EDGE OF THE ROOF OR EAVE.**

Section R905.5.3.1 is amended by deleting in its entirety.

~~**R905.5.3.1 Ice barrier.** In areas where there has been a history of ice forming along the eaves causing a backup of water as designated in Table R301.2(1), an ice barrier that consists of at least two layers of underlayment cemented together or of a self-adhering polymer modified bitumen sheet, shall be used in lieu of normal underlayment and extend from the lowest edges of all roof surfaces to a point at least 24 inches inside the exterior wall line of the building.~~

~~**Exception:** Detached *accessory structures* that contain no *conditioned floor area*.~~

Section R905.6.3.1 is amended by deleting in its entirety.

~~**R905.6.3.1 Ice barrier.** In areas where there has been a history of ice forming along the eaves causing a backup of water as designated in Table R301.2(1), an ice barrier that consists of at least two layers of underlayment cemented together or of a self-adhering polymer modified bitumen sheet, shall be used in lieu of normal underlayment and extend from the lowest edges of all roof surfaces to a point at least 24 inches inside the exterior wall line of the building.~~

~~**Exception:** Detached *accessory structures* that contain no *conditioned floor space*.~~

Section R905.7.3.1 is amended by deleting in its entirety.

~~**R905.7.3.1 Ice barrier.** In areas where there has been a history of ice forming along the eaves causing a backup of water as designated in Table R301.2(1), an ice barrier that consists of at least two layers of underlayment cemented together or of a self-adhering polymer modified bitumen sheet, shall be used in lieu of normal underlayment and extend from the lowest edges of all roof surfaces to a point at least 24 inches inside the exterior wall line of the building.~~

~~**Exception:** Detached *accessory structures* that contain no *conditioned floor space*.~~

Section R905.8.3.1 is amended by deleting in its entirety.

~~**R905.8.3.1 Ice barrier.** In areas where there has been a history of ice forming along the eaves causing a backup of water as designated in Table R301.2(1), an ice barrier that consists of at least two layers of underlayment cemented together or of a self-adhering polymer modified bitumen sheet, shall be used in lieu of normal underlayment and extend from the lowest edges of all roof surfaces to a point at least 24 inches inside the exterior wall line of the building.~~

~~**Exception:** Detached *accessory structures* that contain no *conditioned floor space*.~~

Section R905.10 is amended by adding a new subsection to read as follows:

**R905.10.5.1 Mechanical barriers for metal roof shingles and metal roof panels. ROOFS WITH METAL ROOF SHINGLES OR METAL ROOF PANELS SHALL BE DESIGNED SO AS TO PREVENT ACCUMULATIONS OF SNOW FROM SHEDDING ONTO PEDESTRIAN AND VEHICULAR EXITS FROM BUILDINGS AND ON TO SIDEWALKS, STREETS AND ALLEY WAYS.**

**MECHANICAL BARRIERS INSTALLED TO PREVENT SNOW SHEDDING FROM THE ROOF SHALL BE SECURED TO ROOF FRAMING MEMBERS OR TO SOLID BLOCKING SECURED TO FRAMING MEMBERS IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.**

**INDIVIDUAL DEVICES INSTALLED IN A GROUP OF DEVICES TO CREATE A BARRIER TO PREVENT SNOW SHEDDING SHALL BE INSTALLED IN AT LEAST TWO ROWS WITH THE FIRST ROW NO MORE THAN 24 INCHES FROM THE EDGE OF THE ROOF OR EAVE. THE ROWS SHALL BE PARALLEL WITH THE EXTERIOR WALL LINE AND THE DEVICES IN EACH ROW SHALL BE STAGGERED FOR A SPACING OF NO MORE THAN 24 INCHES ON CENTER MEASURED PARALLEL WITH THE EXTERIOR WALL LINE.**

**CONTINUOUS SNOW BARRIERS SHALL BE SECURED TO ROOF FRAMING AT NO MORE THAN 48 INCHES ON CENTER. CONTINUOUS BARRIERS SHALL BE INSTALLED PARALLEL WITH THE EXTERIOR WALL LINE AND NO MORE THAN 24 INCHES FROM THE EDGE OF THE ROOF OR EAVE.**

Section R907.3 is amended to read as follows:

**R907.3 Recovering versus replacement.** New roof coverings shall not be installed without first removing all existing roof coverings where any of the following conditions occur:

1. Where the existing roof or roof covering is water-soaked or has deteriorated to the point that the existing roof or roof covering is not adequate as a base for additional roofing.
2. Where the existing roof covering is wood shake, slate, clay, cement or asbestos-cement tile.
3. Where the existing roof has ~~two or~~ **MORE THAN ONE** applications of any type of roof covering.
4. For asphalt shingles, when the building is located in an area subject to severe hail damage according to Figure R903.5.

Section R1001 is amended by adding a new subsection to read as follows:

**R1001.1.1 Masonry fireplaces. DETACHED ONE-AND TWO-FAMILY DWELLINGS MAY HAVE NO MORE THAN ONE SOLID FUEL BURNING DEVICE PER PROPERTY. CONDOMINIUMS AND APARTMENT HOUSES MAY HAVE ONE SOLID FUEL BURNING DEVICE LOCATED IN A LOBBY OR OTHER MAIN COMMON AREA.**

Section R1004 is amended by adding a new subsection to read as follows:

**R1004.1.1 Factory-built fireplaces and stoves. DETACHED ONE-AND TWO-FAMILY DWELLINGS MAY HAVE NO MORE THAN ONE SOLID FUEL BURNING DEVICE PER PROPERTY. CONDOMINIUMS AND APARTMENT HOUSES MAY HAVE ONE SOLID FUEL BURNING DEVICE LOCATED IN A LOBBY OR OTHER MAIN COMMON AREA. FACTORY-BUILT FIREPLACES AND STOVES SHALL MEET E.P.A. PHASE II OR COLORADO PHASE III AIR QUALITY REQUIREMENTS.**

Section R1004.4 is amended by deleting in its entirety.

~~**R1004.4 Unvented gas log heaters.** An unvented gas log heater shall not be installed in a factory built fireplace unless the fireplace system has been specifically tested, *listed* and *labeled* for such use in accordance with UL 127.~~  
**INSTALLATION OF UNVENTED GAS LOG HEATERS IS PROHIBITED.**

Section R1004 is amended by adding a new subsection to read as follows:

**R1004.1.1 Factory-built fireplaces and stoves. DETACHED ONE-AND TWO-FAMILY DWELLINGS MAY HAVE NO MORE THAN ONE SOLID FUEL BURNING DEVICE PER PROPERTY. CONDOMINIUMS AND APARTMENT HOUSES MAY HAVE ONE SOLID FUEL BURNING DEVICE LOCATED IN A LOBBY OR OTHER MAIN COMMON AREA. FACTORY-BUILT FIREPLACES AND STOVES SHALL MEET E.P.A. PHASE II OR COLORADO PHASE III AIR QUALITY REQUIREMENTS.**

Section R1005 is amended by adding a new subsection to read as follows:

**R1005.7 Factory built chimney enclosures. FACTORY-BUILT CHIMNEYS SHALL BE ENCLOSED WITHIN A CONTINUOUS ENCLOSURE PROTECTED ON THE INTERIOR (CHIMNEY) SIDE BY NOT LESS THAN 5/8 INCH TYPE-X GYPSUM WALLBOARD. JOINTS AND FASTENERS SHALL BE TAPED AND FINISHED.**

**EXCEPTION: THE PORTION OF THE CHIMNEY LOCATED IN THE SAME ROOM AS THE APPLIANCE AND THE PORTION OF THE CHIMNEY ABOVE THE FINISHED ROOF IS NOT REQUIRED TO BE ENCLOSED.**

**FACTORY-BUILT CHIMNEYS SHALL BE EFFECTIVELY FIREBLOCKED WITHIN SUCH ENCLOSURE AT EACH FLOOR-CEILING LEVEL AND AT THE ROOF. THE VERTICAL DISTANCE BETWEEN ADJACENT FIREBLOCKING SHALL NOT EXCEED 10 FEET.**

Section N1101.2 is amended to read as follows:

**N1101.1 Compliance.** Compliance shall be demonstrated by either meeting the requirements of the **2006 *International Energy Conservation Code*** or meeting the requirements of this chapter. Climate zones from Figure N1101.2 or Table N1101.2 shall be used in determining the applicable requirements from this chapter.

Section M1414 is amended by adding a new subsection to read as follows:

**M1414.1.1 Fireplace stoves. DETACHED ONE-AND TWO-FAMILY DWELLINGS MAY HAVE NO MORE THAN ONE SOLID FUEL BURNING DEVICE PER PROPERTY. CONDOMINIUMS AND APARTMENT HOUSES MAY HAVE ONE SOLID FUEL BURNING DEVICE LOCATED IN A LOBBY OR OTHER MAIN COMMON AREA.**

**FACTORY-BUILT FIREPLACES AND STOVES SHALL MEET E.P.A. PHASE II OR COLORADO PHASE III AIR QUALITY REQUIREMENTS.**

Section M1415 is amended by adding a new subsection to read as follows:

**M1415.1.1 Fireplace stoves. DETACHED ONE-AND TWO-FAMILY DWELLINGS MAY HAVE NO MORE THAN ONE SOLID FUEL BURNING DEVICE PER PROPERTY. CONDOMINIUMS AND APARTMENT HOUSES MAY HAVE ONE SOLID FUEL BURNING DEVICE LOCATED IN A LOBBY OR OTHER MAIN COMMON AREA. FACTORY-BUILT FIREPLACES AND STOVES SHALL MEET E.P.A. PHASE II OR COLORADO PHASE III AIR QUALITY REQUIREMENTS.**

Section G2404.7 is amended by deleting in its entirety.

~~**G2404.7 (301.11) Flood hazard.** For structures located in *flood hazard areas*, the *appliance, equipment* and system installations regulated by this *code* shall be located at or above the *design flood elevation* and shall comply with the flood-resistant requirements of Section R322.~~

Section G2406.2 is amended to read as follows:

**G2406.2 (303.3) Prohibited locations.** *Appliances* shall not be located in sleeping rooms, bathrooms, toilet rooms, storage closets or surgical rooms, or in a space that opens only into such rooms or spaces, except where the installation complies with one of the following:

- ~~1.~~ 1. The *appliance* is a direct-vent *appliance* installed in accordance with the conditions of the listing and the manufacturer's instructions.
- ~~2.~~ 2. *Vented room heaters*, wall *furnaces*, vented decorative *appliances*, vented gas *fireplaces*, vented gas *fireplace* heaters and decorative *appliances* for installation in vented solid fuel-burning *fireplaces* are installed in rooms that meet the required volume criteria of Section G2407.5.
- ~~3.~~ A single wall mounted unvented room heater is installed in a bathroom and such unvented room heater is equipped as specified in Section 621.6 and has an input rating not greater than 6,000 Btu/h. The bathroom shall meet the volume criteria of Section G2407.5.
- ~~4.~~ A single wall mounted unvented room heater is installed in a bedroom and such unvented room heater is equipped as specified in Section 621.6 and has an input rating not greater than 10,000 Btu/h. the bedroom shall meet the required volume criteria of Section G2407.5.
3. The *appliance* is installed in a room or space that opens only into a bedroom or bathroom, and such room or space is used for no other purpose and is provided with a solid weather-stripped door equipped with an

*approved* self-closing device. All *combustion air* shall be taken directly from the outdoors in accordance with Section G2407.6

Section G2406 is amended by adding a new subsection to read as follows:

**G2406.4 (303.7.1) LP-GAS APPLIANCE IN PIT OR BASEMENT. LIQUEFIED PETROLEUM GAS PIPING MAY SERVE A GAS APPLIANCE LOCATED IN A PIT, BASEMENT OR SIMILAR LOCATION WHEN ALL OF THE FOLLOWING CONDITIONS ARE MET:**

**1. THERE SHALL BE INSTALLED A *LISTED* GAS DETECTOR THAT IS INTERLOCKED TO A *LISTED* SOLENOID VALVE LOCATED SO AS TO SHUT OFF THE SUPPLY OF GAS TO THE BUILDING IN THE EVENT OF AN ALARM.**

**2. THERE SHALL BE INSTALLED AN EXHAUST SYSTEM FOR THE PURPOSE OF REMOVING UNBURNED GASES. THE EXHAUST SYSTEM SHALL BE INTERLOCKED TO THE GAS DETECTOR SO AS TO OPERATE AUTOMATICALLY IN THE EVENT OF AN ALARM. THE EXHAUST SYSTEM SHALL PROVIDE A MINIMUM OF FOUR (4) AIR CHANGES PER HOUR AND THE EXHAUST INTAKE SHALL BE LOCATED WITHIN 6 INCHES OF THE FLOOR.**

Section G2417.4.1 is amended to read as follows:

**G2416.4.1 (406.4.1) Test pressure.** The test pressure to be used shall be not less than one and one-half times the proposed maximum working pressure, but not but not less than  $\geq 10$  psig, irrespective of design pressure. Where the test pressure exceeds 125 psig, the test pressure shall not exceed a value that produces a hoop stress in the *pipng* greater than 50 percent of the specified minimum yield strength of the *pipe*.

Section G2425.8 is amended to read as follows:

**G2425.8 Appliances not required to be vented.** The following *appliances* shall not be required to be vented:

1. Ranges.
2. Built-in domestic cooking units listed and marked for optional venting.
3. Hot plates and laundry stoves.
4. *Type 1 Clothes dryers* (*Type 1 clothes dryers* shall be exhausted in accordance with the requirements of Section G2439).
5. Refrigerators.
6. Counter *appliances*.
7. ~~Room heaters listed for unvented use.~~

Section G2433 (603) is amended by deleting in its entirety.

~~**SECTION G2433 (603)**~~  
~~**LOG LIGHTERS**~~

**G2433.1 (603.1) General. INSTALLATION OF LOG LIGHTERS IS PROHIBITED.**

Section G2445 (621) is amended by deleting in its entirety.

~~**SECTION G2445 (621)**~~  
~~**UNVENTED ROOM HEATERS**~~

**G2445.1 (621.1) General. INSTALLATION OF UNVENTED ROOM HEATERS AND UNVENTED DECORATIVE ROOM HEATERS IS PROHIBITED.**

Section P2501.1 is amended to read as follows:

**P2501.1 Scope.** The provisions of this chapter shall establish the general administrative requirements applicable to plumbing systems and inspection requirements of this code. **THE INTENT OF THIS CODE IS TO MEET OR EXCEED THE REQUIREMENTS OF THE STATE OF COLORADO PLUMBING CODE. WHEN TECHNICAL REQUIREMENTS, SPECIFICATIONS OR STANDARDS IN THE COLORADO PLUMBING CODE CONFLICT WITH THIS CODE, THE MORE RESTRICTIVE SHALL APPLY.**

Section P3103.1 is amended to read as follows:

**P3103.1 Roof extension.** Open vent pipes that extend through a roof shall be terminated at least ~~6~~ **12 INCHES** above the roof ~~or 6 inches above the anticipated snow accumulation, whichever is greater,~~ except that where a roof is used for any purpose other than weather protection, the vent extensions shall be run at least 7 feet above the roof.

**AMENDMENTS  
2009 INTERNATIONAL BUILDING CODE**

Section 101.1 is amended to read as follows:

**101.1 Title.** ~~These regulations~~ **THIS RESOLUTION** shall be known as the *Building Code* of **GRAND COUNTY, COLORADO. THIS RESOLUTION SHALL BE KNOWN AS THE “BUILDING CODE”, MAY BE CITED AS SUCH, AND WILL BE REFERRED TO HEREIN AS “THIS CODE”.** **THIS CODE SHALL APPLY TO ALL OF THE UNINCORPORATED AREA OF GRAND COUNTY, COLORADO.**

Section 101.4.4 is amended to read as follows:

**101.4.4 Plumbing.** The provisions of the *International Plumbing Code* shall apply to the installation, *alteration*, repair and replacement of plumbing systems, including equipment, appliances, fixtures, fittings and appurtenances, and where connected to a water or sewage system and all aspects of a medical gas system. The provisions of the *International Private Sewage Disposal Code* **GUIDELINES ON INDIVIDUAL SEWAGE DISPOSAL SYSTEMS AS PUBLISHED BY THE COLORADO DEPARTMENT OF HEALTH, WATER QUALITY CONTROL DIVISION** shall apply to private sewage disposal systems.

Section 101.4.4 is amended by deleting in its entirety.

~~**101.4.4 Property maintenance.** The provisions of the *International Property Maintenance Code* shall apply to existing structures and premises; equipment and facilities; light, ventilation, space heating, sanitation, life and fire safety, hazards; responsibilities of owners, operators and occupants; and occupancy of existing premises and structures. **THIS SUBSECTION DELETED.**~~

Section 101.4.6 is amended to read as follows:

**101.4.6 Energy.** The provisions of the **2006** *International Energy Conservation Code* shall apply to all matters governing the design and construction of buildings for energy efficiency.

Section 102.6 is amended to read as follows:

**102.6 Existing structures.** The legal occupancy of any structure existing on the date of adoption of this code shall be permitted to continue without change, except as is specifically covered in this code, ~~the *International Property Maintenance Code*~~ or the *International Fire Code*, or as is deemed necessary by

the *building official* for the general safety and welfare of the occupants and the public.

Section 103.3 is amended to read as follows:

**103.3 Deputies.** In accordance with the prescribed procedures of this jurisdiction and with the concurrence of the appointing authority, the *building official* shall have the authority to appoint a deputy building official, the related technical officers, inspectors, plan examiners and other employees. Such employees shall have powers as delegated by the *building official*. ~~For the maintenance of existing properties, see the *International Property Maintenance Code*.~~

Section 104.1 is amended to read as follows:

**104.1 General. THE BUILDING OFFICIAL IS HEREBY AUTHORIZED AND DIRECTED TO ENFORCE ALL OF THE PROVISIONS OF THIS CODE; HOWEVER, A GUARANTEE THAT ALL BUILDINGS AND STRUCTURES HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH ALL OF THE PROVISIONS OF THIS CODE IS NEITHER INTENDED NOR IMPLIED.** The *building official* is hereby authorized and directed to enforce the provisions of this code. The *building 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.

Section 104.8 is amended to read as follows:

**104.8 Liability. THE ADOPTION OF THIS CODE, AND ANY PREVIOUS CODES ADOPTED BY GRAND COUNTY, SHALL NOT BE DEEMED TO GIVE RISE TO A DUTY OF CARE ON THE PART OF ANY PUBLIC ENTITY, PUBLIC EMPLOYEE OR AGENT, NOR SHALL THIS CODE OR ANY PREVIOUS CODES BE DEEMED TO CREATE ANY CIVIL REMEDY AGAINST A PUBLIC ENTITY, PUBLIC EMPLOYEE OR AGENT.** The *building official*, member of the board of appeals or employee charged with the enforcement of this code, while acting for the jurisdiction in good faith and without malice in the discharge of the duties required by this code or other pertinent law or ordinance, shall not thereby be rendered liable personally and is hereby relieved from personal liability for any damage accruing to persons or property as a result of any act or by reason of an act or omission in the discharge of official duties. Any suit instituted against an officer or employee because of an act performed by that officer or employee in the lawful discharge of duties and under the provisions of this code shall be defended by legal representative of the jurisdiction until the final termination of the proceedings.

The *building official* or any subordinate shall not be liable for cost in any action, suit or proceeding that is instituted in pursuance of the provisions of this code.

Section 105.1.1 is amended by deleting in its entirety.

~~**105.1.1 Annual permit.** In lieu of an individual *permit* for each *alteration* to an already *approved* electrical, gas, mechanical or plumbing installation, the *building official* is authorized to issue an annual *permit* upon application therefore to any person, firm or corporation regularly employing one or more qualified trade persons in the building, structure or on the premises owned or operated by the applicant for the *permit*. THIS SUBSECTION DELETED.~~

Section 105.1.2 is amended by deleting in its entirety.

~~**105.1.2 Annual permit records.** The person to whom an annual *permit* is issued shall keep a detailed record of *alterations* made under such annual *permit*. The *building official* shall have access to such records at all times or such records shall be filed with the *building official* as designated. THIS SUBSECTION DELETED.~~

Section 105.2 is amended to read as follows:

**105.2 Work exempt from permit.** Exemptions from *permit* requirements of this code shall not be deemed to grant authorization for any work to be done in any manner in violation of the provisions of this code or any other laws or ordinances of this jurisdiction. *Permits* shall not be required for the following:

**Building:**

1. One-story detached accessory structures used as tool and storage sheds, playhouses and similar uses, provided the floor area does not exceed 120 square feet.
2. Fences not over 6 feet high.
3. Oil derricks.
4. Retaining walls which are not over 4 feet in height measured from the bottom of the footing to the top of the wall, unless supporting a surcharge or impounding Class I, II or III-A liquids.
5. Water tanks supported directly upon grade if the capacity does not exceed 5,000 gallons and the ratio of height to diameter or width does not exceed 2 to 1.
6. ~~Sidewalks and driveways not more than 30 inches above adjacent grade, and not over any basement or story below~~ **PLATFORMS, WALKS AND DRIVEWAYS AT GRADE** and which are not part of an *accessible route*.
7. Painting, papering, tiling, carpeting, cabinets, counter tops and similar finish work.

8. Temporary motion picture, television and theater stage sets and scenery.
9. Prefabricated swimming pools accessory to a Group R-3 occupancy, which are less than 24 inches deep, do not exceed 5,000 gallons and are installed entirely above ground.
10. Shade cloth structures constructed for nursery or agricultural purposes, not including service systems.
11. Swings and other playground equipment accessory to one- and two-family *dwelling*s.
12. Window *awnings* supported by an *exterior wall* that do not project more than 54 inches from the *exterior wall* and do not require additional support of Groups R-3 and U occupancies.
13. Nonfixed and movable fixtures, cases, racks, counters and partitions not over 5 feet, 9 inches in height.

Section 105.5 is amended to read as follows:

**105.5 Expiration.** ~~Every *permit* issued shall become invalid unless the work on the site authorized by such *permit* is commenced within 180 days after its 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. The *building official* is authorized to grant, in writing, one or more extensions of time, for periods not more than 180 days each. The extension shall be requested in writing and justifiable cause demonstrated.~~ **EVERY PERMIT ISSUED BY THE BUILDING OFFICIAL UNDER THE PROVISIONS OF THIS CODE SHALL EXPIRE BY LIMITATION AND BECOME NULL AND VOID IF THE BUILDING OR WORK AUTHORIZED BY SUCH PERMIT IS NOT COMMENCED WITHIN 180 DAYS FROM THE DATE OF SUCH PERMIT, OR IF THE BUILDING OR WORK AUTHORIZED BY SUCH PERMIT IS SUSPENDED OR ABANDONED AT ANY TIME AFTER THE WORK IS COMMENCED FOR A PERIOD OF 240 DAYS.**

**BEFORE SUCH WORK CAN BE COMMENCED, A NEW PERMIT SHALL BE OBTAINED. THE FEE FOR A RE-ISSUED NEW PERMIT SHALL BE ONE-HALF THE AMOUNT REQUIRED FOR A NEW PERMIT FOR SUCH WORK, PROVIDED NO CHANGES HAVE BEEN MADE OR WILL BE MADE IN THE ORIGINAL PLANS AND SPECIFICATIONS FOR SUCH WORK, AND FURTHER PROVIDED THAT SUCH SUSPENSION OR ABANDONMENT HAS NOT EXCEEDED ONE YEAR. CHANGES IN PLANS AND SPECIFICATIONS SHALL REQUIRE AN ADDITIONAL PERMIT FEE AND PLAN REVIEW FEE AS DESCRIBED IN SECTION 106 AND SECTION 108. ANY NULLIFIED PERMIT WHERE THE SUSPENSION OR ABANDONMENTS HAVE EXCEEDED ONE YEAR WILL REQUIRE THE PERMITTEE TO PAY A NEW PERMIT FEE PLUS PLAN REVIEW FEE.**

**ANY PERSON HOLDING AN UNEXPIRED AND VALID PERMIT MAY APPLY FOR AN EXTENSION OF TIME TO COMMENCE WORK, RETURN TO WORK OR COMPLETE WORK UNDER THAT PERMIT BY SUBMITTING A WRITTEN REQUEST DESCRIBING GOOD AND SATISFACTORY REASON FOR SUCH EXTENSION. THIS REQUEST SHALL BE RECEIVED PRIOR TO THE DATE ON WHICH THE ORIGINAL PERMIT EXPIRES OR BECOMES NULL AND VOID. AN EXTENDED PERMIT IS VALID FOR 18 MONTHS FROM THE DATE OF THE EXTENSION, DOES NOT REQUIRE COMPLIANCE WITH CODES ADOPTED SINCE THE ORIGINAL PERMIT WAS ISSUED, AND DOES NOT REQUIRE PAYMENT OF NEW FEES. NO PERMIT SHALL BE EXTENDED MORE THAN TWICE.**

**WHEN A PERMIT HAS EXPIRED OR BEEN NULLIFIED AND A NEW ADDITION OF THE BUILDING CODE HAS BEEN ADOPTED, THE ORIGINAL PLANS SHALL BE REVIEWED AND REQUIRED TO COMPLY WITH THE CURRENT CODE. THE PERMITTEE SHALL PAY A NEW PERMIT FEE BASED ON THE CURRENT PROJECTED VALUATION.**

Section 107 is amended by adding a new subsection to read as follows:

**107.2.1.1 Proof of water and sewer. THE APPLICANT SHALL PROVIDE DOCUMENTATION THAT WATER AND SEWER TAPS HAVE BEEN OBTAINED OR A WELL PERMIT AND SEPTIC PERMIT HAVE BEEN OBTAINED.**

Section 107.3.1 is amended to read as follows:

**107.3.1 Approval of construction documents.** When the *building official* issues a *permit*, the *construction documents* shall be *approved*, in writing or by stamp, as “Reviewed for Code Compliance.” ~~One set of construction documents so reviewed shall be retained by the building official. The other set shall be returned to the applicant, shall be kept at the site of work and shall be open to inspection by the building official or his authorized representative.~~ **ONE SET OF APPROVED CONSTRUCTION DOCUMENTS, SHALL BE RETAINED BY THE BUILDING DEPARTMENT. ONE SET OF APPROVED CONSTRUCTION DOCUMENTS, SHALL BE RETURNED TO THE APPLICANT AND ONE SET OF APPROVED CONSTRUCTION DOCUMENTS SHALL BE KEPT ON SITE OF THE AUTHORIZED WORK AT ALL TIMES.**

Section 107.3.3 is amended to read as follows:

**107.3.3 Phased approval.** ~~The *building official* is authorized to issue a permit for the construction of foundations or any other part of a building or structure before the *construction documents* for the whole building or structure have been submitted, provided that adequate information and detailed statements have been filed complying with pertinent requirements of this code. The holder of such *permit* for the foundation or other parts of a building or structure shall proceed at the holder's own risk with the building operation and without assurance that a *permit* for the entire structure will be granted.~~ **THE BUILDING OFFICIAL SHALL NOT ISSUE A PERMIT FOR THE CONSTRUCTION OF PART OF A BUILDING OR STRUCTURE BEFORE THE ENTIRE PLANS AND SPECIFICATIONS FOR THE ENTIRE BUILDING OR STRUCTURE HAVE BEEN SUBMITTED AND APPROVED.**

Section 108.3 is amended by deleting in its entirety.

~~**108.3 Temporary power.** The *building official* is authorized to give permission to temporarily supply and use power in part of an electric installation before such installation has been fully completed and the final certificate of completion has been issued. The part covered by the temporary certificate shall comply with the requirements specified for temporary lighting, heat or power in NFPA 70. THIS SUBSECTION DELETED.~~

Section 109.2 is amended to read as follows:

**109.2 Schedule of permit fees.** On buildings, structures, ~~electrical, gas,~~ mechanical and plumbing systems or *alterations* requiring a *permit*, a fee for each *permit* shall be paid as required, in accordance with ~~the schedule as established by the applicable governing authority~~ **THE GRAND COUNTY TABLE 1-A BUILDING PERMIT FEE SCHEDULE.**

Section 109.6 is amended to read as follows:

**109.6 Refunds.** The building official is authorized to establish a refund policy. **THE BUILDING OFFICIAL MAY AUTHORIZE REFUNDING OF NOT MORE THAN 80 PERCENT OF THE PERMIT FEE PAID WHEN NO WORK HAS BEEN DONE UNDER A PERMIT ISSUED IN ACCORDANCE WITH THIS CODE. THE DEPOSIT PAID FOR A PERMIT APPLICATION IS NON-REFUNDABLE. THE BUILDING OFFICIAL SHALL NOT AUTHORIZE REFUNDING OF ANY FEE PAID EXCEPT ON WRITTEN APPLICATION FILED BY THE ORIGINAL PERMITTEE NOT LATER THAN 180 DAYS AFTER THE DATE OF FEE PAYMENT.**

Section 110 is amended by adding a new subsection to read as follows:

**110.1.1 Sanitation at construction sites. TOILET FACILITIES SHALL BE PROVIDED FOR CONSTRUCTION WORKERS AND SUCH FACILITIES SHALL BE CONVENIENTLY LOCATED AND MAINTAINED IN A SANITARY CONDITION. THE FACILITIES SHALL BE AVAILABLE FOR USE FROM THE START OF THE PROJECT UNTIL THE LETTER OF OCCUPANCY OR CERTIFICATE OF OCCUPANCY IS ISSUED.**

Section 110.3.3 is amended by deleting in its entirety.

~~**110.3.3 Lowest floor elevation.** In flood hazard areas, upon placement of the lowest floor, including the basement, and prior to further vertical construction, the elevation certificate required in Section 1612.5 shall be submitted to the *building official*.~~ **THIS SUBSECTION DELETED.**

Section 110.3.5 is amended to read as follows:

**110.3.5 Lath and gypsum board inspection.** Lath and gypsum board inspections shall be made after lathing and gypsum board, interior and exterior, is in place, but before any plastering is applied or before gypsum board joints and fasteners are taped and finished.  
~~**Exception:** Gypsum board that is not part of a fire resistive assembly or a shear assembly.~~

Section 109.5 is amended to read as follows:

~~**109.5 Inspection requests.** It shall be the duty of the holder of the building permit or their duly authorized agent to notify the building official when work is ready for inspection. It shall be the duty of the permit holder to provide access to and means for inspection of such work for any inspections that are required by this code.~~ **IT SHALL BE THE DUTY OF THE PERSON DOING THE WORK, THE OWNER, CONTRACTOR OR SUBCONTRACTOR TO KNOW THAT THE BUILDING OR STRUCTURE HAS A VALID PERMIT AND TO NOTIFY THE BUILDING DEPARTMENT WHEN WORK IS READY FOR INSPECTION.**

**UPON CONVICTION, A FINE WILL BE ASSESSED TO THE PERSON DOING THE WORK, THE OWNER, CONTRACTOR OR SUBCONTRACTOR IF WORK IS BEING DONE WITHOUT A PERMIT AND THE INSPECTION IS NOT REQUESTED PER SECTION 109.**

**IT SHALL BE THE DUTY OF THE PERSON DOING THE WORK, THE OWNER, CONTRACTOR OR SUBCONTRACTOR REQUESTING ANY INSPECTIONS REQUIRED BY THIS CODE TO PROVIDE ACCESS AND MEANS FOR INSPECTION OF SUCH WORK.**

**ALL INSPECTIONS REQUESTED PRIOR TO 3:00 P.M. WILL BE PERFORMED THE FOLLOWING WORKING DAY. SUCH REQUEST FOR INSPECTION MAY BE IN WRITING OR BY CALLING THE 24 HOUR AUTOMATED TELEPHONE ANSWERING SYSTEM.**

Section 110.3.8 is amended by adding a new subsection to read as follows:

**110.3.8.1 Re-inspections. A RE-INSPECTION FEE MAY BE ASSESSED FOR EACH INSPECTION OR RE-INSPECTION WHEN SUCH PORTION OF WORK FOR WHICH INSPECTION IS CALLED IS NOT COMPLETE OR WHEN CORRECTIONS CALLED FOR ARE NOT MADE.**

**RE-INSPECTION FEES MAY BE ASSESSED WHEN THE INSPECTION RECORD CARD IS NOT POSTED OR OTHERWISE AVAILABLE ON THE WORK SITE, THE APPROVED PLANS ARE NOT READILY AVAILABLE TO THE INSPECTOR, FOR FAILING TO PROVIDE ACCESS ON THE DATE FOR WHICH THE INSPECTION IS REQUESTED OR DEVIATING FROM THE APPROVED PLANS.**

**IN INSTANCES WHERE RE-INSPECTION FEES HAVE BEEN ASSESSED, NO ADDITIONAL INSPECTION OF THE WORK WILL BE PERFORMED UNTIL THE RE-INSPECTION FEE HAS BEEN RECEIVED BY THE BUILDING DEPARTMENT.**

Section 110.5 is amended to read as follows:

~~It shall be the duty of the holder of the permit or their duly authorized agent to notify the code official when work is ready for inspection. It shall be the duty of the permit holder to provide access to and means for inspections of such work that are required by this code.~~ **IT SHALL BE THE DUTY OF THE PERSON DOING THE WORK, THE OWNER, CONTRACTOR OR SUBCONTRACTOR TO KNOW THAT THE BUILDING OR STRUCTURE HAS A VALID PERMIT AND TO NOTIFY THE BUILDING DEPARTMENT WHEN WORK IS READY FOR INSPECTION.**

**UPON CONVICTION, A FINE WILL BE ASSESSED TO THE PERSON DOING THE WORK, THE OWNER, CONTRACTOR OR SUBCONTRACTOR IF WORK IS BEING DONE WITHOUT A PERMIT AND THE INSPECTION IS NOT REQUESTED PER SECTION 109.**

**IT SHALL BE THE DUTY OF THE PERSON DOING THE WORK, THE OWNER, CONTRACTOR OR SUBCONTRACTOR REQUESTING ANY INSPECTIONS REQUIRED BY THIS CODE TO PROVIDE ACCESS AND MEANS FOR INSPECTION OF SUCH WORK.**

**ALL INSPECTIONS REQUESTED PRIOR TO 3:00 P.M. WILL BE PERFORMED THE FOLLOWING WORKING DAY. SUCH REQUEST FOR INSPECTION MAY BE IN WRITING OR BY CALLING THE 24 HOUR AUTOMATED TELEPHONE ANSWERING SYSTEM.**

Section 111.3 is amended to read as follows:

~~**111.3 Temporary occupancy.** The building official is authorized to issue a temporary certificate of occupancy before the completion of the entire work covered by the permit, provided that such portion or portions shall be occupied safely. The building official shall set a time period during which the temporary certificate of occupancy is valid.~~ **TEMPORARY CERTIFICATES OF OCCUPANCY ARE PROHIBITED AND SHALL NOT BE ISSUED.**

Section 112.1 is amended by deleting in its entirety.

~~**112.1 Connection of service utilities.** No person shall make connections from a utility, source of energy, fuel or power to any building or system that is regulated by this code for which a permit is required, until released by the building official.~~ **THIS SUBSECTION DELETED.**

Section 112.2 is amended by deleting in its entirety.

~~**112.2 Temporary connection.** The building official shall have the authority to authorize the temporary connection of the building or system to the utility source of energy, fuel or power.~~ **THIS SUBSECTION DELETED.**

Section 113 is hereby repealed in its entirety and reenacted to read as follows:

### **SECTION 113 BOARD OF APPEALS**

**113.1 General. IN ORDER TO HEAR AND DECIDE APPEALS OF ORDERS, DECISIONS OR DETERMINATIONS MADE BY THE BUILDING OFFICIAL RELATIVE TO THE APPLICATION AND INTERPRETATION OF THIS CODE, THERE SHALL BE AND IS HEREBY CREATED A BOARD OF APPEALS.**

**THE BOARD OF APPEALS SHALL BE APPOINTED BY THE GOVERNING BODY AND SHALL HOLD OFFICE AT ITS PLEASURE.**

**THE BOARD SHALL ADOPT RULES OF PROCEDURE FOR CONDUCTING ITS BUSINESS.**

**113.2 Limitations on authority. AN APPLICATION FOR APPEAL SHALL BE BASED ON A CLAIM THAT THE TRUE INTENT OF THIS CODE OR THE RULES LEGALLY ADOPTED THEREUNDER HAVE BEEN INCORRECTLY INTERPRETED, THE PROVISIONS OF THIS CODE DO NOT FULLY APPLY, OR AN EQUALLY GOOD OR BETTER FORM OF CONSTRUCTION IS PROPOSED.**

**THE BOARD OF APPEALS SHALL HAVE NO AUTHORITY RELATIVE TO THE INTERPRETATION OF THE ADMINISTRATIVE PROVISIONS OF THIS CODE NOR SHALL THE BOARD BE EMPOWERED TO WAIVE REQUIREMENTS OF THIS CODE.**

**113.3 Qualifications. THERE SHALL BE AND IS HEREBY CREATED A BOARD OF APPEALS, WHICH SHALL BE KNOWN AS THE BOARD OF REVIEW, CONSISTING OF FIVE MEMBERS WHO ARE QUALIFIED BY EXPERIENCE AND TRAINING TO PASS UPON MATTERS PERTAINING TO BUILDING CONSTRUCTION.**

**THE BUILDING OFFICIAL SHALL BE AN EX-OFFICIO MEMBER AND SHALL ACT AS SECRETARY OF THE BOARD. THE BOARD OF REVIEW SHALL BE APPOINTED AND THEIR TERM OF OFFICE SHALL BE SET BY THE BOARD OF COUNTY COMMISSIONERS OF WHICH AT LEAST A TERM OF ONE MEMBER SHALL EXPIRE EACH YEAR.**

**ANY MEMBER OF THE BOARD MAY BE REMOVED FOR CAUSE BY THE BOARD OF COUNTY COMMISSIONERS UPON WRITTEN CHARGES AND AFTER A PUBLIC HEARING. VACANCIES SHALL BE FILLED FOR THE UNEXPIRED TERM IN THE SAME MANNER AS IN THE CASE OF ORIGINAL APPOINTMENTS.**

**THE BOARD OF APPEALS SHALL HAVE JURISDICTION TO DECIDE ANY APPEAL FROM THE BUILDING OFFICIAL IF THE DECISION OF THE BUILDING OFFICIAL CONCERNS SUITABLE OR ALTERNATIVE MATERIALS, METHODS OF CONSTRUCTION, OR A REASONABLE INTERPRETATION OF THE CODE.**

**BOARD OF APPEALS SHALL NOT HEAR APPEALS WITH REGARD TO LIFE-SAFETY ITEMS.**

**THE FIRST ORDER OF BUSINESS AT ANY HEARING AT THE BOARD OF APPEALS SHALL BE TO DETERMINE IF IT HAS JURISDICTION TO HEAR THE APPEAL.**

**ANY APPEAL TO THE BOARD OF APPEALS SHALL BE PRECEDED BY A WRITTEN APPEAL TO THE BUILDING OFFICIAL, WHO SHALL REPLY IN WRITING. THE DECISION OF THE BUILDING OFFICIAL MAY BE APPEALED TO THE BOARD OF APPEALS BY SERVING UPON THE SECRETARY OF THE BOARD OF APPEALS, WITHIN TEN DAYS FROM THE DATE OF THE DECISION OF THE BUILDING OFFICIAL, A NOTICE OF APPEAL TO THE BUILDING OFFICIAL AND A COPY OF THE BUILDING OFFICIAL'S DECISION.**

**A NOTICE OF APPEAL SHALL BE ACCOMPANIED BY A FEE OF \$250.00.**

Section 114 is amended to read as follows:

**114.1 Unlawful acts.** ~~It shall be unlawful for any person, firm, or corporation to erect, construct, alter, extend, repair, move, remove, demolish or occupy any building, structure or equipment regulated by this code, or cause same to be done, in conflict with or in violation of any of the provisions of this code.~~ **ANY PERSON AS DEFINED HEREIN (SECTION 202) WHO ERECTS, CONSTRUCTS, RECONSTRUCTS, REMODELS, ENLARGES, ALTERS, REPAIRS, MOVES, IMPROVES, CONVERTS, DEMOLISHES, EQUIPS, USES, OCCUPIES, OR MAINTAINS ANY BUILDING OR STRUCTURE, OR ANY PART OF A BUILDING OR STRUCTURE, IN THE UNINCORPORATED AREA OF GRAND COUNTY OR CAUSES THE SAME TO BE DONE, CONTRARY TO OR IN VIOLATION OF ANY PROVISIONS OF THIS CODE, OR ANY PROVISIONS OF PART 2, ARTICLE 28, TITLE 30, C.R.S., 1973, AS AMENDED SHALL BE DEEMED GUILTY OF A MISDEMEANOR.**

**AND UPON CONVICTION THEREOF, SHALL BE FINED NOT MORE THAN \$100.00, OR BY IMPRISONMENT IN THE COUNTY JAIL FOR NOT MORE THAN TEN DAYS, OR BOTH BY SUCH FINE AND IMPRISONMENT, EACH AND EVERY DAY DURING WHICH SUCH ILLEGAL ERECTION, CONSTRUCTION, RECONSTRUCTION, REMODEL, ENLARGEMENT, ALTERATION, REPAIR, MOVE, IMPROVEMENT, CONVERSION, DEMOLITION, MAINTENANCE OR USE CONTINUES SHALL BE DEEMED A SEPARATE OFFENSE.**

**IN CASE ANY BUILDING OR STRUCTURE IS OR IS PROPOSED TO BE ERECTED, CONSTRUCTED, RECONSTRUCTED, ENLARGED, ALTERED, REPAIRED, MOVED, IMPROVED, CONVERTED, DEMOLISHED, MAINTAINED OR USED IN VIOLATION OF THIS CODE OR OF ANY PROVISION OF PART 2, ARTICLE 28, TITLE 30, C.R.S., AS AMENDED, THE DISTRICT ATTORNEY OF THE DISTRICT, THE BOARD OF COUNTY COMMISSIONERS OF GRAND COUNTY,**

**OR ANY OWNER OF REAL ESTATE WITHIN THE AREA SUBJECT TO THIS CODE, IN ADDITION TO OTHER REMEDIES PROVIDED BY LAW, MAY INSTITUTE AN APPROPRIATE ACTION FOR INJUNCTION, MANDAMUS OR ABATEMENT TO PREVENT, ENJOIN, ABATE, OR REMOVE SUCH UNLAWFUL ERECTION, CONSTRUCTION, RECONSTRUCTION, REMODEL, ENLARGEMENT, ALTERATION, REPAIR, MOVE, IMPROVEMENT, CONVERSION, DEMOLITION, MAINTENANCE OR USE.**

Section 114.4 is amended by deleting in its entirety.

~~**114.4 Violation penalties.** Persons who shall violate a provision of this code or shall fail to comply with any of the requirements thereof or who shall erect, install, alter or repair plumbing work in violation of the approved construction documents or directive of the code official, or of a permit or certificate issued under the provisions of this code, shall be guilty of a [SPECIFY OFFENSE], punishable by a fine of not more than [AMOUNT] dollars or by imprisonment not exceeding [NUMBER OF DAYS], or both such fine and imprisonment. Each day that a violation continues after due notice has been served shall be deemed a separate offense.~~

Section 202 is amended by adding the following definitions within the alphabetical order of the existing definitions.

**ACCESSORY DWELLING UNIT.** One additional dwelling unit within, and not legally subdividable from, the principal structure. This additional dwelling unit shall be no greater than 50 percent of the square footage of the primary dwelling unit, or 1500 square feet, whichever is the lesser size. The dwelling must be in a continuous enclosure. Any dwelling spaces joined by a garage or breezeway are not considered to be a single-dwelling. The entire dwelling must function as a unit without any permanent physical separation such as wall or floor with no means of connection.

**BEDROOM.** A room which is designed as a sleeping room, a loft, a mezzanine in group R occupancies or a room or area that can be used as a sleeping room and contains a closet.

**CERTIFICATE OF OCCUPANCY.** A written notification from the building official that the work covered under the permit is complete and the permit is closed. Certificate of Occupancy is issued only to structures other than Group R Division 3, and Group U occupancies.

**FACTORY BUILT BUILDING.** A building which is assembled in a facility that has been approved by the State of Colorado, built to the building, plumbing and mechanical codes as adopted by the Colorado Division of Housing, with the work performed at the facility inspected by and bearing the Colorado Division of

Housing identification label.

**HEIGHT, BUILDING.** ~~The vertical distance from grade plane to the average height of the highest roof surface.~~ **THE VERTICAL DISTANCE ABOVE A REFERENCE DATUM MEASURED TO THE HIGHEST POINT OF THE STRUCTURE. THE REFERENCE DATUM SHALL BE SELECTED BY EITHER OF THE FOLLOWING, WHICHEVER YIELDS A GREATER HEIGHT OF BUILDING;**

- 1. THE ELEVATION OF THE HIGHEST ADJOINING SIDEWALK OR GROUND SURFACE WITHIN A 10 FOOT HORIZONTAL DISTANCE OF THE EXTERIOR WALL OF THE BUILDING OR STRUCTURE WHEN SUCH SIDEWALK OR GROUND SURFACE IS NOT MORE THAN 5 FEET ABOVE THE LOWEST GRADE.**
- 2. AN ELEVATION 5 FEET HIGHER THAN THE LOWEST GRADE WHEN THE SIDEWALK OR GROUND SURFACE DESCRIBED IN ITEM 1 ABOVE IS MORE THAN 5 FEET ABOVE LOWEST GRADE.**

**THE HEIGHT OF A STEPPED OR TERRACED BUILDING IS THE MAXIMUM HEIGHT OF ANY SEGMENT OF THE BUILDING.**

**KITCHEN.** A room or area that is designated to be used for the preparation of food which contains more than one standard size kitchen appliance or fixture.

**LETTER OF OCCUPANCY.** A written notification from the building official that the permit has been closed and the Group R-3 structure is safe and sanitary to occupy.

**MANUFACTURED HOME.** A single family dwelling which is partially or entirely assembled in a factory, is not less than twenty-four feet in width and thirty-six feet in length, is installed on an engineered, permanent foundation, has a brick, wood or cosmetically equivalent exterior and a pitched roof, is certified pursuant to the "National Manufactured Housing Construction and Safety Standards Act of 1974", 42 U.S.C. 5401 et seq., as amended, and bearing the H.U.D. identification label. Installed and set up as required in the set up manual supplied with the manufactured home.

**PERSON.** A natural person or any individual, partnership, corporation, association, company or other public or corporate body, including the federal government, and includes any political subdivision, agency, **INSTRUMENTALITY**, or corporation of the state or the United States government. Singular includes plural, male includes female.

**USEABLE SPACE UNDER FLOORS.** Useable space is that space under the first story between the underside of the floor joist or floor truss and the ground below which exceeds 30 inches at any point.

Section 311.2 is amended by adding a new subsection to read as follows:

**311.2.1 Group S-1 self-storage. BUILDINGS USED FOR SELF-STORAGE/MINI STORAGE THAT ARE CONSTRUCTED WITHOUT SPRINKLER SYSTEMS SHALL BE PEPARATED BY NOT LESS THAN ONE-HOUR-FIRE RESISTIVE CONSTRUCTION AT EACH FLOOR/CEILING LEVEL AND AT EACH ONE THOUSAND (1000) SQUARE FOOT OF FLOOR AREA.**

Section 717.2.5 is amended to read as follows:

**717.2.5 Ceiling and floor openings.** Where required by annular space Exception 6 of Section 708.2, Exception 1 of Section 713.4.1.2, or Section 713.4.2, fireblocking of the *annular space* around vents, pipes, ducts, ~~chimneys~~ and fireplaces at ceilings and floor levels shall be installed with a material specifically tested in the form and manner intended for use to demonstrate its ability to remain in place and resist the free passage of flame and the products of combustion. material to resist the free passage of flame and the products of combustion.

Section 717.2.5.1 is amended to read as follows:

**717.2.5.1 Factory built chimneys and fireplaces.** ~~Factory built chimneys and~~ fireplaces shall be fireblocked in accordance with UL 103 and UL 127. **FACTORY-BUILT CHIMNEYS SHALL BE ENCLOSED WITHIN A CONTINUOUS ENCLOSURE PROTECTED ON THE INTERIOR (CHIMNEY) SIDE BY NOT LESS THAN 5/8 INCH TYPE-X GYPSUM WALLBOARD. JOINTS AND FASTENERS SHALL BE TAPED AND FINISHED.**

**EXCEPTION: THE PORTION OF THE CHIMNEY LOCATED IN THE SAME ROOM AS THE APPLIANCE AND THE PORTION OF THE CHIMNEY ABOVE THE FINISHED ROOF IS NOT REQUIRED TO BE ENCLOSED.**

**FACTORY-BUILT CHIMNEYS SHALL BE EFFECTIVELY FIREBLOCKED WITHIN SUCH ENCLOSURE AT EACH FLOOR-CEILING LEVEL AND AT THE ROOF. THE VERTICAL DISTANCE BETWEEN ADJACENT FIREBLOCKING SHALL NOT EXCEED 10 FEET.**

Section 901.5 is amended by adding a new subsection to read as follows:

**901.5.1 Special inspector required. ALL FIRE PROTECTION SYSTEMS REQUIRED BY THIS CODE SHALL BE INSPECTED AND APPROVED BY A SPECIAL INSPECTOR. THE SPECIAL INSPECTOR SHALL BE AN AUTHORIZED REPRESENTATIVE OF THE FIRE DEPARTMENT OR ANOTHER QUALIFIED INDIVIDUAL WITH PRIOR APPROVAL OF THE BUILDING OFFICIAL. APPROVALS OF SPECIAL INSPECTORS AND INSPECTIONS, APPROVALS AND REPORTS BY SPECIAL INSPECTORS SHALL BE IN ACCORDANCE WITH CHAPTER 17 OF THIS CODE.**

Section 902.1 is amended by adding the following definition within the alphabetical order of the existing definitions.

**[F] FIRE DEPARTMENT.** The Chief Officer of East Grand, Granby, Grand fire protection district, Grand Lake, Hot Sulphur Springs and Kremmling fire protection districts, or the Chief Officer's authorized representative.

Section 1009 is amended to read as follows:

**1009.4.5 Profile.** The radius of curvature at the leading edge of the tread shall be not greater than 9/16 inch. Beveling of *nosings* shall not exceed 9/16 inch. Risers shall be ~~solid and~~ vertical or sloped under the tread above from the underside of the *nosing* above at an angle not more than 30 degrees from the vertical. The leading edge (nosings) of treads shall project not more than 1 1/4 inches beyond the tread below and all projections of the leading edges shall be of uniform size, including the leading edge of the floor at the top of a *flight*.

**Exceptions:**

1. Solid risers are not required for *stairways* that are not required to comply with Section 1007.3, ~~provided that the opening between treads does not permit the passage of a sphere with a diameter of 4 inches.~~
2. Solid risers are not required for occupancies in Group I-3 or in Group F, H and S occupancies other than areas accessible to the public. There are no restrictions on the size of the opening in the riser.
3. Solid risers and not required for *spiral stairways* constructed in accordance with Section 1009.9.
4. Solid risers are not required for *alternating tread devices* constructed in accordance with Section 1009.10.

Section 1203.3 is amended by adding a new subsection to read as follows:

**1203.3.3 Vapor retarder ground cover. A VAPOR RETARDER GROUND COVER SHALL BE OF 6 MIL REINFORCED POLYETHYLENE, OR AN APPROVED EQUAL WITH A RATING OF 1 PERM OR LESS. THE VAPOR RETARDER SHALL COVER THE ENTIRE GROUND AREA WITHIN CRAWLSPACES IN ACCORDANCE WITH THE FOLLOWING:**

- 1. THE VAPOR RETARDER SHALL BE OVERLAPPED SIX INCHES MINIMUM AT JOINTS AND SHALL EXTEND OVER THE TOP OF PIER FOOTINGS.**
- 2. THE EDGES OF THE VAPOR RETARDER SHALL BE TURNED UP A MINIMUM OF FOUR INCHES AT THE STEM WALL.**
- 3. PENETRATIONS IN THE VAPOR RETARDER SHALL BE NO LARGER THAN NECESSARY TO FIT PIERS, BEAM SUPPORTS, PLUMBING AND OTHER PENETRATIONS.**

Section 1207.2 is amended to read as follows:

**1208.2 Minimum ceiling heights.** Occupiable spaces, *habitable spaces*, *corridors* AND UNFINISHED BASEMENTS shall have a ceiling height of not less than 7 feet, 6 inches. Bathrooms, toilet rooms, kitchens, storage rooms and laundry rooms shall be permitted to have a ceiling height of not less than 7 feet.

**Exceptions:**

1. In one- and two-family *dwelling*s, beams or girders spaced not less than 4 feet on center and projecting not more than 6 inches below the required ceiling height.
2. If any room in a building has a sloping ceiling, the prescribed ceiling height for the room is required in one-half the area thereof. Any portion of the room measuring less than 5 feet from the finished floor to the finished ceiling shall not be included in any computation of the minimum area thereof.
3. *Mezzanines* constructed in accordance with Section 505.1.

Section 1503 is amended by adding a new subsection to read as follows:

**1503.7 Mechanical barriers for metal roof shingles and metal roof panels. ROOFS WITH METAL ROOF SHINGLES OR METAL ROOF PANELS SHALL BE DESIGNED SO AS TO PREVENT ACCUMULATIONS OF SNOW FROM SHEDDING ONTO PEDESTRIAN AND VEHICULAR**

**EXITS FROM BUILDINGS AND ON TO SIDEWALKS, STREETS AND ALLEY WAYS.**

**MECHANICAL BARRIERS INSTALLED TO PREVENT SNOW SHEDDING FROM THE ROOF SHALL BE SECURED TO ROOF FRAMING MEMBERS OR TO SOLID BLOCKING SECURED TO FRAMING MEMBERS IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.**

**INDIVIDUAL DEVICES INSTALLED IN A GROUP OF DEVICES TO CREATE A BARRIER TO PREVENT SNOW SHEDDING SHALL BE INSTALLED IN AT LEAST TWO ROWS WITH THE FIRST ROW NO MORE THAN 24 INCHES FROM THE EDGE OF THE ROOF OR EAVE. THE ROWS SHALL BE PARALLEL WITH THE EXTERIOR WALL LINE AND THE DEVICES IN EACH ROW SHALL BE STAGGERED FOR A SPACING OF NO MORE THAN 24 INCHES ON CENTER MEASURED PARALLEL WITH THE EXTERIOR WALL LINE.**

**CONTINUOUS SNOW BARRIERS SHALL BE SECURED TO ROOF FRAMING AT NO MORE THAN 48 INCHES ON CENTER. CONTINUOUS BARRIERS SHALL BE INSTALLED PARALLEL WITH THE EXTERIOR WALL LINE AND NO MORE THAN 24 INCHES FROM THE EDGE OF THE ROOF OR EAVE.**

Section 1507.1 is amended by adding two new subsections to read as follows:

**1507.1.1 Ice barrier. AN ICE BARRIER THAT CONSISTS OF AN APPROVED SELF-ADHERING POLYMER MODIFIED BITUMEN SHEET SHALL BE USED IN LIEU OF NORMAL UNDERLAYMENT ON ALL SLOPED ROOFS. THIS ICE DAM PROTECTION UNDERLAYMENT SHALL BE INSTALLED FROM THE EAVES TO A POINT 6 FEET INSIDE THE EXTERIOR WALL LINE OF THE BUILDING AND 24 INCHES FROM THE CENTER LINE OF ALL VALLEYS, FULLY ADHERED TO THE SUBSTRATE ON ALL HABITABLE STRUCTURES.**

**Exception: DETACHED ACCESSORY STRUCTURES THAT CONTAIN NO CONDITIONED FLOOR AREA.**

**1507.1.2 Snow-shed barriers. ROOFS SHALL BE DESIGNED TO PREVENT ACCUMULATIONS OF SNOW FROM SHEDDING ABOVE OR IN FRONT OF GAS UTILITY OR ELECTRIC UTILITY METERS.**

Section 1507.2.8.2 is amended by deleting in its entirety.

~~**1507.2.8.2. Ice barrier.** In areas where there has been a history of ice forming along the eaves causing a backup of water, an ice barrier that consists of at least two layers of underlayment cemented together or of a self-adhering polymer-modified bitumen sheet shall be used in lieu of normal underlayment and extend from the lowest edges of all roof surfaces to a point at least 24 inches inside the exterior wall line of the building.~~

~~**Exception:** Detached accessory structures that contain no conditioned floor area.~~

Section 1507.4 is amended by adding a new subsection to read as follows:

**1507.4.1.1 Mechanical barriers for metal roof shingles and metal roof panels. ROOFS WITH METAL ROOF SHINGLES OR METAL ROOF PANELS SHALL BE DESIGNED SO AS TO PREVENT ACCUMULATIONS OF SNOW FROM SHEDDING ONTO PEDESTRIAN AND VEHICULAR EXITS FROM BUILDINGS AND ON TO SIDEWALKS, STREETS AND ALLEY WAYS.**

**MECHANICAL BARRIERS INSTALLED TO PREVENT SNOW SHEDDING FROM THE ROOF SHALL BE SECURED TO ROOF FRAMING MEMBERS OR TO SOLID BLOCKING SECURED TO FRAMING MEMBERS IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.**

**INDIVIDUAL DEVICES INSTALLED IN A GROUP OF DEVICES TO CREATE A BARRIER TO PREVENT SNOW SHEDDING SHALL BE INSTALLED IN AT LEAST TWO ROWS WITH THE FIRST ROW NO MORE THAN 24 INCHES FROM THE EDGE OF THE ROOF OR EAVE. THE ROWS SHALL BE PARALLEL WITH THE EXTERIOR WALL LINE AND THE DEVICES IN EACH ROW SHALL BE STAGGERED FOR A SPACING OF NO MORE THAN 24 INCHES ON CENTER MEASURED PARALLEL WITH THE EXTERIOR WALL LINE.**

**CONTINUOUS SNOW BARRIERS SHALL BE SECURED TO ROOF FRAMING AT NO MORE THAN 48 INCHES ON CENTER. CONTINUOUS BARRIERS SHALL BE INSTALLED PARALLEL WITH THE EXTERIOR WALL LINE AND NO MORE THAN 24 INCHES FROM THE EDGE OF THE ROOF OR EAVE.**

Section 1507.5 is amended by adding a new subsection to read as follows:

**1507.5.1.1 Mechanical barriers for metal roof shingles and metal roof panels. ROOFS WITH METAL ROOF SHINGLES OR METAL ROOF PANELS SHALL BE DESIGNED SO AS TO PREVENT ACCUMULATIONS OF SNOW FROM SHEDDING ONTO PEDESTRIAN AND VEHICULAR EXITS FROM BUILDINGS AND ON TO SIDEWALKS, STREETS AND ALLEY WAYS.**

**MECHANICAL BARRIERS INSTALLED TO PREVENT SNOW SHEDDING FROM THE ROOF SHALL BE SECURED TO ROOF FRAMING MEMBERS OR TO SOLID BLOCKING SECURED TO FRAMING MEMBERS IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.**

**INDIVIDUAL DEVICES INSTALLED IN A GROUP OF DEVICES TO CREATE A BARRIER TO PREVENT SNOW SHEDDING SHALL BE INSTALLED IN AT LEAST TWO ROWS WITH THE FIRST ROW NO MORE THAN 24 INCHES FROM THE EDGE OF THE ROOF OR EAVE. THE ROWS SHALL BE PARALLEL WITH THE EXTERIOR WALL LINE AND THE DEVICES IN EACH ROW SHALL BE STAGGERED FOR A SPACING OF NO MORE THAN 24 INCHES ON CENTER MEASURED PARALLEL WITH THE EXTERIOR WALL LINE.**

**CONTINUOUS SNOW BARRIERS SHALL BE SECURED TO ROOF FRAMING AT NO MORE THAN 48 INCHES ON CENTER. CONTINUOUS BARRIERS SHALL BE INSTALLED PARALLEL WITH THE EXTERIOR WALL LINE AND NO MORE THAN 24 INCHES FROM THE EDGE OF THE ROOF OR EAVE.**

Section 1507.5.4 is amended by deleting in its entirety.

~~**1507.5.4 Ice barrier.** In areas where there has been a history of ice forming along the eaves causing a backup of water, an ice barrier that consists of at least two layers of underlayment cemented together or of a self-adhering polymer-modified bitumen sheet shall be used in lieu of normal underlayment and extend from the lowest edges of all roof surfaces to a point at least 24 inches inside the exterior wall line of the building.~~

~~**Exception:** Detached accessory structures that contain no conditioned floor area.~~

Section 1507.6.4 is amended by deleting in its entirety.

~~**1507.6.4 Ice barrier.** In areas where there has been a history of ice forming along the eaves causing a backup of water, an ice barrier that consists of at least~~

~~two layers of underlayment cemented together or of a self-adhering polymer-modified bitumen sheet shall be used in lieu of normal underlayment and extend from the lowest edges of all roof surfaces to a point at least 24 inches inside the exterior wall line of the building.~~

~~**Exception:** Detached accessory structures that contain no conditioned floor area.~~

Section 1507.7.4 is amended by deleting in its entirety.

~~**1507.7.4 Ice barrier.** In areas where there has been a history of ice forming along the eaves causing a backup of water, an ice barrier that consists of at least two layers of underlayment cemented together or of a self-adhering polymer-modified bitumen sheet shall be used in lieu of normal underlayment and extend from the lowest edges of all roof surfaces to a point at least 24 inches inside the exterior wall line of the building.~~

~~**Exception:** Detached accessory structures that contain no conditioned floor area.~~

Section 1507.8.4 is amended by deleting in its entirety.

~~**1507.8.4 Ice barrier.** In areas where there has been a history of ice forming along the eaves causing a backup of water, an ice barrier that consists of at least two layers of underlayment cemented together or of a self-adhering polymer-modified bitumen sheet shall be used in lieu of normal underlayment and extend from the lowest edges of all roof surfaces to a point at least 24 inches inside the exterior wall line of the building.~~

~~**Exception:** Detached accessory structures that contain no conditioned floor area.~~

Section 1507.9.4 is amended by deleting in its entirety.

~~**1507.9.4 Ice barrier.** In areas where there has been a history of ice forming along the eaves causing a backup of water, an ice barrier that consists of at least two layers of underlayment cemented together or of a self-adhering polymer-modified bitumen sheet shall be used in lieu of normal underlayment and extend from the lowest edges of all roof surfaces to a point at least 24 inches inside the exterior wall line of the building.~~

~~**Exception:** Detached accessory structures that contain no conditioned floor area.~~

Section 1605.3.1.2 is amended by deleting in its entirety.

~~**1605.3.1.2 Flood loads.** Where flood loads,  $F_a$ , are to be considered in design, the load combinations of Section 2.4.2 of ASCE 7 shall be used.~~

Section 1607.9 is amended by deleting in its entirety.

~~**1607.9 Reduction in live loads.** Except for uniform live loads at roofs, all other minimum uniformly distributed live loads,  $L_o$ , in Table 1607.1 are permitted to be reduced in accordance with Section 1607.9.1 or 1607.9.2. Roof uniform live loads, other than special purpose roofs of Section 1607.11.2.2, are permitted to be reduced in accordance with Section 1607.11.2. Roof uniform live loads of special purpose roofs are permitted to be reduced in accordance with Section 1607.9.1 or 1607.9.2.~~

Section 1607.11.2 is amended by deleting in its entirety.

~~**1607.11.2 Reduction in roof live loads.** The minimum uniformly distributed live loads of roof and marquees,  $L_o$ , in Table 1607.1 are permitted to be reduced in accordance with Section 1607.11.2.1 or 1607.11.2.2.~~

Section 1608.2 is amended to read as follows:

~~**1608.2 Ground snow loads. ROOF SNOW LOAD. AS DETERMINED BY GRAND COUNTY SNOW LOAD/SNOW ZONE MAP OR GRAND COUNTY SUBDIVISION INDEX.** The ground snow loads to be used in determining the design snow loads for roofs are given in Figure 1608.2 for the contiguous United States and Table 1608.2 for Alaska. Site-specific case studies shall be made in areas designated CS in Figure 1608.2. Ground snow loads **ROOF SNOW LOADS** for sites at elevations above the limits indicated in Figure 1608.2 and for all sites within the CS areas shall be *approved*. Ground snow load determination for such sites shall be based on an extreme value statistical analysis of data available in the vicinity of the site using a value with a 2-percent annual probability of being exceeded (50 year mean recurrence interval). Snow loads are zero for Hawaii, except in mountainous regions as *approved* by the *building official*.~~

Section 1612 is amended by deleting in its entirety.

## **SECTION 1612 FLOOD LOADS**

Section 1702.1 is amended by adding the following definition within the alphabetical order of the existing definitions.

**FIRE DEPARTMENT.** The Chief Officer of East Grand, Granby, Grand Fire Protection District, Grand Lake, Hot Sulphur Springs and Kremmling fire protection districts, or the Chief Officer's authorized representative.

Section 1703.1 is amended to read as follows:

**1703.1 Approved agency.** An *approved agency* shall provide all information as necessary for the *building official* to determine that the agency meets the applicable requirements. **THE FIRE DEPARTMENT OR THE STATE OF COLORADO DIVISION OF FIRE SAFETY OR THEIR AUTHORIZED REPRESENTATIVE SHALL BE AN APPROVED AGENCY FOR SPECIAL INSPECTION OF FIRE PROTECTION SYSTEMS REQUIRED BY THIS CODE AND THE *INTERNATIONAL FIRE CODE*.**

Section 1704 is amended by adding two new subsections to read as follows:

**[F] 1704.17 Fire protection systems.** **FIRE PROTECTION SYSTEMS SHALL HAVE THE DESIGN PLANS APPROVED BY A *SPECIAL INSPECTION* AGENCY AND THE SYSTEMS INSPECTED AND TESTED BY A SPECIAL INSPECTOR FOR COMPLIANCE WITH THE REQUIREMENTS OF THIS CODE AND THE *INTERNATIONAL FIRE CODE*.**

**[F] 1704.17.1 Qualifications.** **SPECIAL INSPECTORS FOR FIRE PROTECTION SYSTEMS SHALL HAVE EXPERTISE IN FIRE-PROTECTION. SPECIAL INSPECTORS FOR FIRE SUPPRESSION SYSTEMS SHALL BE A CERTIFIED FIRE SUPPRESSION SYSTEMS INSPECTOR BY THE STATE OF COLORADO DIVISION OF FIRE SAFETY.**

**Exception: SPECIAL INSPECTION BY THE *FIRE DEPARTMENT* OR THE STATE OF COLORADO DIVISION OF FIRE SAFETY OR THEIR AUTHORIZED REPRESENTATIVE OF FIRE PROTECTION SYSTEMS.**

Section 1804.4 is amended by deleting in its entirety.

~~**1804.4 Grading and fill in flood hazard areas.** In *flood hazard areas* established in Section 1612.3, grading and/or fill shall not be *approved*:~~  
~~1. Unless such fill is placed, compacted and sloped to minimize shifting, slumping and erosion during the rise and fall of flood water and as applicable, wave action.~~

~~2. In floodways, unless it has been demonstrated through hydrologic and hydraulic analyses performed by a *registered design professional* in accordance with standard engineering practice that the proposed grading or fill, or both, will not result in any increase in flood levels during the occurrence of the *design flood*.~~

~~3. In flood hazard areas subject to high velocity wave action, unless such fill is conducted and/or placed to avoid diversion of water and waves toward any building or structure.~~

~~4. Where design flood elevations are specified but floodways have not been designated, unless it has been demonstrated that the cumulative effect of the proposed *flood hazard area* encroachment, when combined with all other existing and anticipated *flood hazard area* encroachment, will not increase the design flood elevation more than 1 foot at any point.~~

Section 1805.1.2.1 is amended by deleting in its entirety.

~~**1805.1.2.1 Flood hazard areas.** For buildings and structures in flood hazard areas as established in Section 1612.3, the finished ground level of an under floor space such as a crawl space shall be equal to or higher than the outside finished ground level on at least one side.~~

~~**Exception:** Under floor spaces of Group R-3 buildings that meet the requirements of FEMA/FIA TB-11.~~

Section 1807.1 is amended to read as follows:

**1807.1 Foundation walls.** Foundation walls shall be designed and constructed in accordance with Sections 1807.1.1 through 1807.1.6. Foundation walls shall be supported by ~~foundations~~ **FOOTINGS** designed in accordance with Section 1808.

Section 1808 is amended to read as follows:

## **SECTION 1808**

### **FOOTINGS AND FOUNDATIONS**

Section 1808.1 is amended to read as follows:

**1808.1 General. FOOTINGS** and foundations shall be designed and constructed in accordance with Sections 1808.2 through 1808.9. Shallow **FOOTINGS** and foundations shall also satisfy the requirements of Section 1809. Deep **FOOTINGS** and foundations shall also satisfy the requirements of Section 1810. **ALL EXTERIOR WALLS SHALL BE SUPPORTED ON CONTINUOUS SOLID OR FULLY GROUTED MASONRY OR CONCRETE FOOTINGS. CONCRETE FOOTINGS SHALL INCLUDE A MINIMUM OF TWO #4 REINFORCEMENT BARS TO BE TIED**

**CONTINUOUSLY AND SPACED A MINIMUM OF TWO INCHES FROM THE GROUND AND EQUALLY WITHIN THE FOOTING.**

**EXCEPTION: UNLESS DESIGNED AND STAMPED BY AN ENGINEER.**

Section 1808.2 is amended to read as follows:

**1808.2 Design for capacity and settlement.** FOOTINGS and foundations shall be so designed that the allowable bearing capacity of the soil is not exceeded, and the differential settlement is minimized. FOOTINGS and foundations in areas with expansive soils shall be designed in accordance with the provisions of Section 1808.6

Section 1808.3 is amended to read as follows:

**1808.3 Design loads.** FOOTINGS and foundations shall be designed for the most unfavorable effects due to the combinations of loads specified in Section 1605.2 or 1605.3. The dead load is permitted to include the weight of foundations and overlying fill. ~~Reduced live loads, as specified in Sections 1607.9 and 1607.11, shall be permitted to be used in the design of foundations.~~

Section 1809 is amended to read as follows:

**SECTION 1809  
SHALLOW FOOTINGS AND FOUNDATIONS**

Section 1809.1 is amended by adding three new subsections to read as follows:

**1809.1 General.** Shallow FOOTINGS and foundations shall be designed and constructed in accordance with Sections 1809.2 through 1809.13.

**1809.1.1 FOOTINGS. ALL EXTERIOR WALLS SHALL BE SUPPORTED ON CONTINUOUS SOLID OR FULLY GROUTED MASONRY OR CONCRETE FOOTINGS. CONCRETE FOOTINGS SHALL INCLUDE A MINIMUM OF TWO #4 REINFORCEMENT BARS TO BE TIED CONTINUOUSLY AND SPACED A MINIMUM OF TWO INCHES FROM THE GROUND AND EQUALLY WITHIN THE FOOTING. THERE SHALL BE #4 VERTICAL REBAR 4 FEET ON CENTER, MINIMUM. VERTICAL REBAR SHALL EXTEND FROM THE FOOTING TO THE TOP COURSE OF THE HORIZONTAL FOUNDATION WALL REBAR.**

**EXCEPTION: UNLESS DESIGNED AND STAMPED BY AN ENGINEER.**

**1809.1.1.2 FOUNDATIONS. THE MINIMUM FOUNDATION DESIGN IS AN 8 INCH THICK CONCRETE WALL. WALLS UP TO AND INCLUDING 4 FEET IN HEIGHT REQUIRE TWO (2) #4 CONTINUOUS REBAR IN THE TOP OF THE WALL. WALLS OVER 4 FEET UP TO AND INCLUDING 8 FEET IN HEIGHT REQUIRE TWO (2) #4 CONTINUOUS REBAR TOP AND BOTTOM. WALLS OVER 8 FEET IN HEIGHT ARE REQUIRED TO BE DESIGNED AND STAMPED BY AN ENGINEER. ALL FOUNDATION WALLS REQUIRE #4 VERTICAL REBAR 4 FEET ON CENTER, MINIMUM.**

**EXCEPTION: UNLESS DESIGNED AND STAMPED BY AN ENGINEER.**

**1809.1.1.3 PIERS. ALL CONCRETE PIERS SHALL INCLUDE A MINIMUM OF TWO (2) #4 VERTICAL REINFORCEMENT BARS TO BE SPACED EQUALLY WITHIN THE PIER. EXCEPT FOR STEEL DOWELS EMBEDDED 5 FEET OR LESS IN THE PIER, REINFORCEMENT SHALL BE ASSEMBLED AND TIED TOGETHER AND SHALL BE PLACED IN THE PIER HOLE AS A UNIT BEFORE THE REINFORCED PORTION OF THE PIER IS FILLED WITH CONCRETE.**

**EXCEPTIONS:**

- 1. UNLESS DESIGNED AND STAMPED BY AN ENGINEER.**
- 2. REINFORCEMENT IS PERMITTED TO BE WET SET AND THE 2 ½ INCH CONCRETE COVER REQUIREMENT BE REDUCED TO 2 INCHES FOR GROUP R-3 AND GROUP U OCCUPANCIES NOT EXCEEDING TWO STORIES OF LIGHT-FRAME CONSTRUCTION, PROVIDED THE CONSTRUCTION METHOD CAN BE DEMONSTRATED TO THE SATISFACTION OF THE BUILDING OFFICIAL.**

Section 1809.3 is amended to read as follows:

**1809.3 Stepped footings.** The top surface of footings shall be level. The bottom surface of footings shall be permitted to have a slope not exceeding one unit vertical in 10 units horizontal (10-percent slope). Footings shall be stepped where it is necessary to change the elevation of the top surface of the footing or where the surface of the ground slopes more than one unit vertical in 10 units horizontal (10-percent slope). **ALL EXTERIOR WALLS SHALL BE SUPPORTED ON CONTINUOUS SOLID OR FULLY GROUTED MASONRY OR CONCRETE FOOTINGS. CONCRETE FOOTINGS SHALL INCLUDE A MINIMUM OF TWO #4 REINFORCEMENT BARS TO BE TIED CONTINUOUSLY AND SPACED A MINIMUM OF TWO INCHES FROM THE GROUND AND EQUALLY WITHIN THE FOOTING. THERE SHALL BE #4 VERTICAL REBAR 4 FEET ON CENTER, MINIMUM.**

**VERTICAL REBAR SHALL EXTEND FROM THE FOOTING TO THE TOP COURSE OF THE HORIZONTAL FOUNDATION WALL REBAR.**

Section 1809.4 is amended to read as follows:

**1809.4 Depth and width AND EDGE THICKNESS of SPREAD footings.**

The minimum depth of **SPREAD** footings below ~~the undisturbed ground surface~~ **FINISHED GRADE** shall be ~~12 inches~~ **30 INCHES, MEASURED TO THE BOTTOM OF FOOTING.** Where applicable, the requirements of Section 1809.5 shall also be satisfied. The minimum width of **SPREAD** footings shall be ~~12~~ **16 inches. THE MINIMUM EDGE THICKNESS OF SPREAD FOOTINGS SHALL BE 8 INCHES.**

Section 1809.5 is amended to read as follows:

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

1. Extending below the frost line of the locality; **30 INCHES.**
2. Constructing in accordance with ASCE 32; or
3. Erecting on solid rock.

**Exception:** Free-standing buildings meeting ~~all~~ **BOTH** of the following conditions shall not be required to be protected:

- ~~1. Assigned to Occupancy Category I, in accordance with Section 1604.5.~~
2. Area of ~~600~~ **120** square feet or less for light-frame construction or ~~400~~ **120** square feet or less for other than light-frame construction; and
3. Eave height of 10 feet or less.

Shallow foundations shall not bear on frozen soil ~~unless such frozen condition is of a permanent character.~~

Section 1809.7 is amended by deleting in its entirety.

~~**1809.7 Prescriptive footings for light framed construction.** Where a specific design is not provided, concrete or masonry unit footings supporting walls of light frame construction shall be permitted to be designed in accordance with Table 1809.7~~

Table 1809.7 is deleted in its entirety.

Section 2301.2 is amended to read as follows:

**2301.2 General design requirements.** The design of structural elements or systems, constructed partially or wholly of wood or wood-based products, shall be in accordance with one of the following methods: **THE USE OF LOAD DURATION FACTORS FOR SNOW LOAD OR SLOPE OF ROOF SHALL NOT BE PERMITTED IN ANY OF THESE DESIGN METHODS.**

1. *Allowable stress design* in accordance with Sections 2304, 2305 and 2306.
2. *Load and resistance factor design* in accordance with Sections 2304, 2305 and 2307.
3. *Conventional light-frame construction* in accordance with Sections 2304 and 2308.  
Exception: Buildings designed in accordance with the provisions of the AF&PA WFCM shall be deemed to meet the requirements of the provisions of Section 2308.
4. The design and construction of log structures shall be in accordance with the provisions of ICC 400.

Section 2303.1.10 is amended by adding two Exceptions to read as follows:

**2303.1.10 Structural log members.** Stress grading of structural log members of nonrectangular shape, as typically used in log buildings, shall be in accordance with ASTM D 3957. Such structural log members shall be identified by the *grade mark* of an *approved* lumber grading or inspection agency. In lieu of a *grade mark* on the material, a certificate of inspection as to species and grade issued by a lumber grading or inspection agency meeting the requirements of this section shall be permitted.

**Exceptions:**

1. **IN SINGLE FAMILY DWELLINGS OF LOG CONSTRUCTION, WALL LOGS NEED NOT BE GRADED.**
2. **IN SINGLE FAMILY DWELLINGS OF LOG CONSTRUCTION, ALL STRUCTURAL LOGS MAY BE DESIGNED BY A LICENSED COLORADO ARCHITECT OR ENGINEER AND INSPECTED BY THAT ARCHITECT OR ENGINEER AFTER THE COMPLETION OF THE FRAMING WITH THE ARCHITECT OR ENGINEER CERTIFYING TO THE BUILDING DEPARTMENT THAT THE LOGS ARE OF THE SIZE, QUALITY AND SPECIES OF THE DESIGN AND THAT THEY WERE INSTALLED TO THAT DESIGN. WALL LOGS NEED NOT BE PART OF THE STRUCTURAL DESIGN.**

Section 2303.4.1 is amended to read as follows:

**2303.4.1 Design.** Wood trusses shall be designed in accordance with the provisions of this code and accepted engineering practice. Members are permitted to be joined by nails, glue, bolts, timber connectors, metal connector plates or other *approved* framing devices. **THE USE OF LOAD DURATION FACTORS FOR SNOW LOAD OR SLOPE OF ROOF SHALL NOT BE PERMITTED IN ANY OF THESE DESIGN METHODS.**

Section 2304.2 is amended to read as follows:

**2304.2 Size of structural members.** Computations to determine the required sizes of members shall be based on the net dimensions (actual sizes) and not nominal sizes. **THE USE OF LOAD DURATION FACTORS FOR SNOW LOAD OR SLOPE OF ROOF SHALL NOT BE PERMITTED IN ANY OF THESE COMPUTATIONS.**

Section 2304.4 is amended to read as follows:

**2304.4 Floor and roof framing.** The framing of wood-joisted floors and wood framed roofs shall be in accordance with the provisions specified in Section 2308 unless a specific design is furnished. **THE USE OF LOAD DURATION FACTORS FOR SNOW LOAD OR SLOPE OF ROOFS SHALL NOT BE PERMITTED.**

Section 2304.7.2 is amended to read as follows:

**2304.7 Structural roof sheathing.** Structural roof sheathing shall be designed in accordance with the general provisions of this code and the special provisions in this section.

Roof sheathing conforming to the provisions of Table 2304.7(1), 2304.7(2), 2304.7(3) or 2304.7(4) shall be deemed to meet the requirements of this section.

**Exception: A MINIMUM OF 5/8 INCH PLYWOOD, PARTICLE BOARD OR WAFERWOOD SHALL BE USED ON ROOF RAFTERS OR ROOF TRUSSES SPACED 24 INCHES ON CENTER IN ANY SNOW LOAD AREA.**

**Wood structural panel roof sheathing shall be bonded by exterior glue.**

Section 2308.9.5.2 is amended to read as follows:

**2308.9.5.1 Headers.** Headers shall be provided over each opening in exterior-bearing walls. **THE USE OF LOAD DURATION FACTORS FOR SNOW LOAD OR SLOPE OF ROOF SHALL NOT BE PERMITTED.** ~~The spans in Table 2308.9.5 are permitted to be used for one- and two-family dwellings. Headers for other buildings shall be designed in accordance with Section 2301.2, Item 1 or 2.~~ Headers shall be of two pieces of nominal 2-inch framing lumber set on edge, **MINIMUM**, ~~as permitted by Table 2308.9.5~~ and nailed together in accordance with Table 2304.9.1 or of solid lumber of equivalent size.

Section 2308.10.3 is amended to read as follows:

**2308.10.3 Rafter spans.** Allowable spans for rafters shall be in accordance with Table 2308.10.3(1), 2308.10.3(2), 2308.10.3(3), 2308.10.3(4), 2308.10.3(5) or 2308.10.3(6). For other grades and species, refer to the *AF&PA Span Tables for Joists and Rafters*. **THE USE OF LOAD DURATION FACTORS FOR SNOW LOAD OR SLOPE OF ROOF SHALL NOT BE PERMITTED.**

Section 2308.10.8 is amended to read as follows:

**2308.10.8 Roof sheathing.** Roof sheathing shall be in accordance with Tables 2304.7(3) and 2304.7(5) for wood structural panels, and Tables 2304.7(1) and 2304.7(2) for lumber and shall comply with Section 2304.7.2.

**EXCEPTION: A MINIMUM OF 5/8 INCH PLYWOOD, PARTICLE BOARD OR WAFERWOOD SHALL BE USED ON ROOF RAFTERS OR ROOF TRUSSES SPACED 24 INCHES ON CENTER IN ANY SNOW LOAD AREA.**

Section 2901.1 is amended to read as follows:

**[P] 2901.1 Scope.** The provisions of this chapter and the *International Plumbing Code* shall govern the erection, installation, *alteration*, repairs, relocation, replacement, addition to, use or maintenance of plumbing equipment and systems. Plumbing systems and equipment shall be constructed, installed and maintained in accordance with the *International Plumbing Code*. Private sewage disposal systems shall conform to the ~~*International Private Sewage Disposal Code*~~. **GUIDELINES ON INDIVIDUAL SEWAGE DISPOSAL SYSTEMS AS PUBLISHED BY THE COLORADO DEPARTMENT OF HEALTH, WATER QUALITY CONTROL DIVISION.**

Section 2901 is amended by adding a new subsection to read as follows:

**[P] 2901.1.1 SANITATION AT CONSTRUCTION SITES. TOILET FACILITIES SHALL BE PROVIDED FOR CONSTRUCTION WORKERS AND SUCH FACILITIES SHALL BE CONVENIENTLY LOCATED AND MAINTAINED IN A SANITARY CONDITION. THE FACILITIES SHALL BE AVAILABLE FOR USE FROM THE START OF THE PROJECT UNTIL THE LETTER OF OCCUPANCY OR CERTIFICATE OF OCCUPANCY IS ISSUED.**

Section 3001.1 is amended to read as follows:

**3001.1 Scope.** This chapter governs the design, construction, installation, *alteration*, MAINTENANCE and repair of NEW AND EXISTING INSTALLATIONS OF elevators, DUMBWAITERS, ESCALATORS, AND MOVING WALKS, ~~and conveying systems and their components~~ REQUIRING PERMITS THEREFOR AND PROVIDING PROCEDURES FOR THE INSPECTION AND MAINTENANCE OF SUCH CONVEYANCES.

Chapter 30, concerning elevators, moving walks, escalators or dumbwaiters, is amended by adding four new sections and subsections to read as follows:

**SECTION 3009  
PERMITS AND CERTIFICATES OF INSPECTION**

**3009.1 Permits required.** IT SHALL BE UNLAWFUL TO INSTALL ANY NEW ELEVATOR, MOVING WALK, ESCALATOR OR DUMBWAITER, OR TO MAKE MAJOR ALTERATIONS TO ANY EXISTING ELEVATOR, DUMBWAITER, ESCALATOR OR MOVING WALK, AS DEFINED IN PART XII OF ASME A17.1, WITHOUT FIRST HAVING OBTAINED A PERMIT FOR SUCH INSTALLATION. PERMITS SHALL NOT BE REQUIRED FOR MAINTENANCE OR MINOR ALTERATIONS.

**3009.2 Certificates of inspection required.** IT SHALL BE UNLAWFUL TO OPERATE ANY ELEVATOR, DUMBWAITER, ESCALATOR OR MOVING WALK WITHOUT A CURRENT CERTIFICATE OF INSPECTION ISSUED BY THE APPROVED INSPECTION AGENCY. SUCH CERTIFICATE SHALL BE ISSUED UPON PAYMENT OF PRESCRIBED FEES AND THE PRESENTATION OF A VALID INSPECTION REPORT INDICATING THAT THE CONVEYANCE IS SAFE AND THAT THE INSPECTIONS AND TESTS HAVE BEEN PERFORMED IN ACCORDANCE WITH PART X OF THE ASME A17.1. CERTIFICATES SHALL NOT BE ISSUED WHEN THE CONVEYANCE IS POSTED AS UNSAFE PURSUANT TO SECTION 3010.

**EXCEPTION: CERTIFICATES OF INSPECTION SHALL NOT BE REQUIRED FOR CONVEYANCES WITHIN A DWELLING UNIT.**

**3009.3 Application for permit.** APPLICATION FOR A PERMIT TO INSTALL SHALL BE MADE ON FORMS PROVIDED BY THE INSPECTION AGENCY, AND THE PERMIT SHALL BE ISSUED TO AN OWNER UPON PAYMENT OF THE PERMIT FEES SPECIFIED.

**3009.4 Application for certificate of inspection. APPLICATION FOR A CERTIFICATE OF INSPECTION SHALL BE MADE BY THE OWNER OF AN ELEVATOR, DUMBWAITER, ESCALATOR OR MOVING WALK. APPLICATIONS SHALL BE ACCOMPANIED BY AN INSPECTION REPORT AS DESCRIBED IN SECTION 3009. FEES FOR CERTIFICATES OF INSPECTION SHALL BE AS SPECIFIED.**

**3009.5 Fees. A FEE FOR EACH PERMIT SHALL BE PAID TO THE BUILDING DEPARTMENT. A FEE FOR EACH CERTIFICATE OF INSPECTION SHALL BE PAID TO THE INSPECTION AGENCY.**

## **SECTION 3010 DESIGN**

**3010.1 Detailed requirements. FOR DETAILED DESIGN, CONSTRUCTION AND INSTALLATION REQUIREMENTS, SEE CHAPTER 16 AND THE APPROPRIATE REQUIREMENTS OF ASME A17.1.**

## **SECTION 3011 REQUIREMENTS FOR OPERATION AND MAINTENANCE**

**3011.1 General. THE OWNER SHALL BE RESPONSIBLE FOR THE SAFE OPERATION AND MAINTENANCE OF EACH ELEVATOR, DUMBWAITER, ESCALATOR AND MOVING WALK INSTALLATION AND SHALL CAUSE PERIODIC INSPECTIONS TO BE MADE ON SUCH CONVEYANCES AS REQUIRED IN THIS SECTION.**

**3011.2 Periodic inspections and tests. ROUTINE AND PERIODIC INSPECTIONS AND TESTS SHALL BE MADE AS REQUIRED BY PART X OF ASME A17.1.**

**3011.3 Alterations, repairs and maintenance. ALTERATIONS, REPAIRS AND MAINTENANCE SHALL BE MADE AS REQUIRED BY PART XII OF ASME A17.1.**

**3011.4 Inspection costs. ALL COSTS OF SUCH INSPECTIONS AND TESTS SHALL BE PAID BY THE OWNER.**

**3011.5 Inspection reports. AFTER EACH REQUIRED INSPECTION, A FULL AND CORRECT REPORT OF SUCH INSPECTION SHALL BE FILED WITH THE BUILDING OFFICIAL.**

**SECTION 3012  
UNSAFE CONDITIONS**

**3012.1 Unsafe conditions. WHEN AN INSPECTION REVEALS AN UNSAFE CONDITION OF AN ELEVATOR, MOVING WALK, ESCALATOR OR DUMBWAITER, THE INSPECTOR SHALL IMMEDIATELY FILE WITH THE OWNER AND THE BUILDING OFFICIAL A FULL AND TRUE REPORT OF SUCH INSPECTION AND SUCH UNSAFE CONDITION. IF THE BUILDING OFFICIAL FINDS THAT THE UNSAFE CONDITION ENDANGERS HUMAN LIFE, THE BUILDING OFFICIAL SHALL CAUSE TO BE PLACED ON SUCH ELEVATOR, ESCALATOR OR MOVING WALK, IN A CONSPICUOUS PLACE, A NOTICE STATING THAT SUCH CONVEYANCE IS UNSAFE. THE OWNER SHALL SEE TO IT THAT SUCH NOTICE OF UNSAFE CONDITION IS LEGIBLY MAINTAINED WHERE PLACED BY THE BUILDING OFFICIAL. THE BUILDING OFFICIAL SHALL ALSO ISSUE AN ORDER IN WRITING TO THE OWNER REQUIRING THE REPAIRS OR ALTERATIONS TO BE MADE TO SUCH CONVEYANCE THAT ARE NECESSARY TO RENDER IT SAFE AND MAY ORDER THE OPERATION THEREOF DISCONTINUED UNTIL THE REPAIRS OR ALTERATIONS ARE MADE OR THE UNSAFE CONDITIONS ARE REMOVED. A POSTED NOTICE OF UNSAFE CONDITIONS SHALL BE REMOVED ONLY BY THE BUILDING OFFICIAL WHEN SATISFIED THAT THE UNSAFE CONDITIONS HAVE BEEN CORRECTED.**

Section 3109.4.1.8 is amended by deleting in its entirety.

**~~3109.4.1.8 Dwelling unit wall as a barrier.~~** Where the wall of a dwelling serves as part of the barrier, ~~one of the following shall apply:~~

- ~~1. Doors with direct access to the pool through that wall shall be equipped with an alarm which produces an audible warning when the door and/or its screen, if present are opened. The alarm shall be *listed* and labeled in accordance with UL 2017. In dwellings not required to be *Accessible units, Type A units or Type B units*, the deactivation switch shall be located 54 inches or more above the threshold of the door. In dwellings required to be *Accessible units, Type A units or Type B units*, the deactivation switch(es) shall be located at 54 inches maximum and 48 inches minimum above the threshold of the door.~~
- ~~2. The pool shall be equipped with a power safety cover that complies with ASTM F 1346.~~
- ~~3. Other means of protection, such as self-closing doors with self-latching devices, which are *approved*, shall be accepted so long as the degree of protection afforded is not less than the protection afforded by Section 3109.4.1.8, Item 1 or 2.~~

Section 3309 is amended to read as follows:

**[F] 3309.1 Where required.** All structures under construction, *alteration* or demolition shall be provided with ~~not less than one~~ *approved* portable fire extinguishers ~~in accordance with Section 906 and sized for not less than ordinary hazard as follows:~~ **AS REQUIRED BY THE FIRE DEPARTMENT.**

- ~~1. At each *stairway* on all floor levels where combustible materials have accumulated.~~
- ~~2. In every storage and construction shed.~~
- ~~3. Additional portable fire extinguishers shall be provided where special hazards exist, such as the storage and use of flammable and combustible liquids.~~

Section 3311.1 is amended to read as follows:

**[F] 3311.1 Where required.** In buildings required to have standpipes by Section ~~905.3.1,~~ **AS REQUIRED BY THE FIRE DEPARTMENT.** ~~not less than one standpipe shall be provided for use during construction. Such standpipes shall be installed when the progress of construction is not more than 40 feet in height above the lowest level of fire department vehicle access. Such standpipe shall be provided with fire department hose connections at accessible locations adjacent to usable stairs. Such standpipes shall be extended as construction progresses to within one floor of the highest point of construction having secured decking or flooring.~~

Section 3311.2 is amended to read as follows:

**[F] 3311.2 Buildings being demolished.** Where a building is being demolished and a standpipe exists within such a building, such standpipe shall be maintained in an operable condition so as to be available for use by the fire department. Such standpipe shall be demolished with the building but shall not be demolished more than one floor below the floor being demolished **OR AS APPROVED BY THE FIRE DEPARTMENT.**

Section 3311.4 is amended to read as follows:

**3311.4 Water supply.** Water supply for fire protection, either temporary or permanent shall be made available as ~~soon as combustible material accumulates~~ **REQUIRED BY THE FIRE DEPARTMENT.**

Section 3401.3 is amended to read as follows:

**3401.3 Compliance.** Alterations, repairs, additions and changes of occupancy to existing structures shall comply with the provisions for alterations, repairs, additions and changes of occupancy in the ~~*International Fire Code, International Fuel Gas Code, International Mechanical Code, International Plumbing Code,*~~

*International Property Maintenance Code, International Private Sewage Disposal Code, GUIDELINES ON INDIVIDUAL SEWAGE DISPOSAL SYSTEMS AS PUBLISHED BY THE COLORADO DEPARTMENT OF HEALTH, WATER QUALITY CONTROL DIVISION, International Residential Code and NFPA 70.*

Section 3401.4 is amended by deleting in its entirety.

~~**3401.4 Alternative compliance.** Work performed in accordance with the *International Existing Building Code* shall be deemed to comply with the provisions of this chapter.~~

Section 3403.2 is amended by deleting in its entirety.

~~**3403.2 Flood hazard areas.** For buildings and structures in flood hazard areas established in Section 1612.3, any *addition* that constitutes substantial improvement of the *existing structure*, as defined in Section 1612.2, shall comply with the flood design requirements for new construction, and all aspects of the *existing structure* shall be brought into compliance with the requirements for new construction for flood design.~~

~~For buildings and structures in flood hazard areas established in Section 1612.3, any additions that do not constitute substantial improvement or substantial damage of the *existing structure*, as defined in Section 1612.2, are not required to comply with the flood design requirements for new construction.~~

Section 3404.2 is amended by deleting in its entirety.

~~**3404.2 Flood hazard areas.** For buildings and structures in flood hazard areas established in Section 1612.3, any *alteration* that constitutes substantial improvement of the existing structure, as defined in Section 1612.2, shall comply with the flood design requirements for new construction, and all aspects of the *existing structure* shall be brought into compliance with the requirements for new construction for flood design.~~

~~For buildings and structures in flood hazard areas established in Section 1612.3, any alterations that do not constitute substantial improvement or substantial damage of the existing structure, as defined in Section 1612.2, are not required to comply with flood design requirements for new construction.~~

Section 3409.2 is amended by deleting in its entirety.

~~**3409.2 Flood hazard areas.** Within flood hazard areas established in accordance with Section 1612.3, where the work proposed constitutes substantial improvement as defined in Section 1612.2, the building shall be brought into compliance with Section 1612.~~

**Exception:** ~~Historic buildings that are:~~

- ~~1. Listed or preliminarily determined to be eligible for listing in the National Register of Historic Places;~~
- ~~2. Determined by the Secretary of the U.S. Department of Interior as contributing to the historical significance of a registered historic district or a district preliminarily determined to qualify as an historic district; or~~
- ~~3. Designated as historic under a state or local historic preservation program that is approved by the Department of Interior.~~

Section 3412.2 is amended to read as follows:

**3412.2 Applicability.** Structures existing prior to ~~[DATE TO BE INSERTED BY THE JURISDICTION]~~ **APRIL 26, 1971** ~~Note: it is recommended that this date coincide with the effective date of building codes within the jurisdiction],~~ in which there is work involving additions, alterations or changes of occupancy shall be made to comply with the requirements of this section or the provisions of Sections 3412.2.1 through 3412.2.5 shall apply to existing occupancies that will continue to be, or are proposed to be, in Groups A, B, E, F, M, R, S and U. These provisions shall not apply to buildings with occupancies in Group H or I.

Section 3412.2.4.1 is amended by deleting in its entirety.

~~**3412.2.4.1 Flood hazard areas.** For existing buildings located in flood hazard areas established in Section 1612.3, if the *alterations* and repairs constitute substantial improvement of the existing building, the existing building shall be brought into compliance with the requirements for new construction for flood design.~~

Section 3412.3.2 is amended by deleting in its entirety.

~~**3412.3.2 Compliance with other codes.** Buildings that are evaluated in accordance with this section shall comply with the *International Fire Code* and *International Property Maintenance Code*.~~

Section 3412.4 is amended to read as follows:

**3412.4 Investigation and evaluation.** For proposed work covered by this section, the building owner shall cause the existing building to be investigated and evaluated in accordance with the provisions of this section **BY A DESIGN PROFESSIONAL LICENSED TO PRACTICE IN THE STATE OF COLORADO.**

**EXCEPTION: GROUP R, DIVISION 3 AND GROUP U OCCUPANCIES.**

Section 3412.6 is amended to read as follows:

**3412.6 Evaluation process. THE BUILDING OWNER SHALL CAUSE THE EXISTING BUILDING TO BE EVALUATED IN ACCORDANCE WITH THE PROVISIONS OF THIS SECTION BY A DESIGN PROFESSIONAL(S) LICENSED TO PRACTICE IN THE STATE OF COLORADO.** The evaluation process specified herein shall be followed in its entirety to evaluate existing buildings. Table 3412.7 shall be utilized for tabulating the results of the evaluation. References to other sections of this code indicate that compliance with those sections is required in order to gain credit in the evaluation herein outlined. In applying this section to a building with mixed occupancies, where the separation between the mixed occupancies does not qualify for any category indicated in Section 3412.6.16, the score for each occupancy shall be determined and the lower score determined for each section of the evaluation process shall apply to the entire building.

Where the separation between the mixed occupancies qualifies for any category indicated in Section 3412.6.16, the score for each occupancy shall apply to each portion of the building based on the occupancy of the space.

**EXCEPTION: GROUP R, DIVISION 3 AND GROUP U OCCUPANCIES.**

**AMENDMENTS**  
**2009 INTERNATIONAL MECHANICAL CODE**

Section 101.1 is amended to read as follows:

**101.1 Title.** ~~These regulations~~ **THIS RESOLUTION** shall be known as the *Mechanical Code* of **GRAND COUNTY, COLORADO. THIS RESOLUTION SHALL BE KNOWN AS THE “MECHANICAL CODE”, MAY BE CITED AS SUCH, AND WILL BE REFERRED TO HEREIN AS “THIS CODE”. THIS CODE SHALL APPLY TO ALL OF THE UNINCORPORATED AREA OF GRAND COUNTY, COLORADO.**

Section 103.2 is amended to read as follows:

**103.2 Appointment BUILDING OFFICIAL.** ~~The code official shall be appointed by the chief appointing authority of the jurisdiction.~~ **THE BUILDING OFFICIAL IS HEREBY AUTHORIZED AND DIRECTED TO ENFORCE ALL OF THE PROVISIONS OF THIS CODE; HOWEVER, A GUARANTEE THAT ALL BUILDINGS AND STRUCTURES HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH ALL OF THE PROVISIONS OF THIS CODE IS NEITHER INTENDED NOR IMPLIED.**

Section 103.4 is amended to read as follows:

**103.4 Liability. THE ADOPTION OF THIS CODE, AND ANY PREVIOUS CODES ADOPTED BY GRAND COUNTY, SHALL NOT BE DEEMED TO GIVE RISE TO A DUTY OF CARE ON THE PART OF ANY PUBLIC ENTITY, PUBLIC EMPLOYEE OR AGENT, NOR SHALL THIS CODE OR ANY PREVIOUS CODES BE DEEMED TO CREATE ANY CIVIL REMEDY AGAINST A PUBLIC ENTITY, PUBLIC EMPLOYEE OR AGENT.** The ~~code~~ **BUILDING** official, member of the board of appeals or employee charged with the enforcement of this code, while acting for the jurisdiction in good faith and without malice in the discharge of the duties required by this code or other pertinent law or ordinance, shall not thereby be rendered liable personally, and is hereby relieved from all personal liability for any damage accruing to persons or property as a result of an act or by reason of an act or omission in the discharge of official duties.

Any suit instituted against an officer or employee because of an act performed by that officer or employee in the lawful discharge of duties under the provisions of this code shall be defended by the legal representative of the jurisdiction until the final termination of the proceedings. The ~~code~~ **BUILDING** official or any subordinate shall not be liable for costs in any action, suit or proceeding that is instituted in pursuance of the provisions of this code.

Section 106.4.3 is amended to read as follows:

**106.4.3 Expiration.** ~~Every permit issued by the code official under the provisions of this code shall expire by limitation and become null and void if the work authorized by such permit is not commenced within 180 days from the date of such permit, or if the work authorized by such permit is suspended or abandoned at any time after the work is commenced for a period of 180 days. Before such work recommences, a new permit shall be first obtained and the fee, therefore, shall be one-half the amount required for a new permit for such work, provided no changes have been made or will be made in the original construction documents for such work, and provided further that such suspension or abandonment has not exceeded one year.~~ **EVERY PERMIT ISSUED BY THE BUILDING OFFICIAL UNDER THE PROVISIONS OF THIS CODE SHALL EXPIRE BY LIMITATION AND BECOME NULL AND VOID IF THE BUILDING OR WORK AUTHORIZED BY SUCH PERMIT IS NOT COMMENCED WITHIN 180 DAYS FROM THE DATE OF SUCH PERMIT, OR IF THE BUILDING OR WORK AUTHORIZED BY SUCH PERMIT IS SUSPENDED OR ABANDONED AT ANY TIME AFTER THE WORK IS COMMENCED FOR A PERIOD OF 240 DAYS.**

**BEFORE SUCH WORK CAN BE COMMENCED, A NEW PERMIT SHALL BE OBTAINED. THE FEE FOR A RE-ISSUED NEW PERMIT SHALL BE ONE-HALF THE AMOUNT REQUIRED FOR A NEW PERMIT FOR SUCH WORK, PROVIDED NO CHANGES HAVE BEEN MADE OR WILL BE MADE IN THE ORIGINAL PLANS AND SPECIFICATIONS FOR SUCH WORK, AND FURTHER PROVIDED THAT SUCH SUSPENSION OR ABANDONMENT HAS NOT EXCEEDED ONE YEAR. CHANGES IN PLANS AND SPECIFICATIONS SHALL REQUIRE AN ADDITIONAL PERMIT FEE AND PLAN REVIEW FEE AS DESCRIBED IN SECTION 106 AND SECTION 108. ANY NULLIFIED PERMIT WHERE THE SUSPENSION OR ABANDONMENTS HAVE EXCEEDED ONE YEAR WILL REQUIRE THE PERMITTEE TO PAY A NEW PERMIT FEE PLUS PLAN REVIEW FEE.**

**ANY PERSON HOLDING AN UNEXPIRED AND VALID PERMIT MAY APPLY FOR AN EXTENSION OF TIME TO COMMENCE WORK, RETURN TO WORK OR COMPLETE WORK UNDER THAT PERMIT BY SUBMITTING A WRITTEN REQUEST DESCRIBING GOOD AND SATISFACTORY REASON FOR SUCH EXTENSION. THIS REQUEST SHALL BE RECEIVED PRIOR TO THE DATE ON WHICH THE ORIGINAL PERMIT EXPIRES OR BECOMES NULL AND VOID. AN EXTENDED PERMIT IS VALID FOR 18 MONTHS FROM THE DATE OF THE EXTENSION, DOES NOT REQUIRE COMPLIANCE WITH CODES ADOPTED SINCE THE ORIGINAL PERMIT WAS ISSUED, AND**

**DOES NOT REQUIRE PAYMENT OF NEW FEES. NO PERMIT SHALL BE EXTENDED MORE THAN TWICE.**

**WHEN A PERMIT HAS EXPIRED OR BEEN NULLIFIED AND A NEW ADDITION OF THE BUILDING CODE HAS BEEN ADOPTED, THE ORIGINAL PLANS SHALL BE REVIEWED AND REQUIRED TO COMPLY WITH THE CURRENT CODE. THE PERMITTEE SHALL PAY A NEW BUILDING PERMIT FEE BASED ON THE CURRENT PROJECTED VALUATION.**

Section 106.4.4 is amended to read as follows:

**106.4.4 Extensions.** ~~A permittee holding an unexpired permit shall have the right to apply for an extension of the time within which he or she will commence work under that permit when work is unable to be commenced within the time required by this section for good and satisfactory reasons. The code official shall extend the time for action by the permittee for a period not exceeding 180 days if there is reasonable cause. A permit shall not be extended more than once. The fee for an extension shall be one half the amount required for a new permit for such work.~~ **ANY PERSON HOLDING AN UNEXPIRED AND VALID PERMIT MAY APPLY FOR AN EXTENSION OF TIME TO COMMENCE WORK, RETURN TO WORK OR COMPLETE WORK UNDER THAT PERMIT BY SUBMITTING A WRITTEN REQUEST DESCRIBING GOOD AND SATISFACTORY REASON FOR SUCH EXTENSION. THIS REQUEST SHALL BE RECEIVED PRIOR TO THE DATE ON WHICH THE ORIGINAL PERMIT EXPIRES OR BECOMES NULL AND VOID. AN EXTENDED PERMIT IS VALID FOR 18 MONTHS FROM THE DATE OF THE EXTENSION, DOES NOT REQUIRE COMPLIANCE WITH CODES ADOPTED SINCE THE ORIGINAL PERMIT WAS ISSUED, AND DOES NOT REQUIRE PAYMENT OF NEW FEES. NO PERMIT SHALL BE EXTENDED MORE THAN TWICE.**

Section 106.5.2 is amended to read as follows:

**106.5.2 Fee schedule.** ~~The fees for mechanical work shall be as indicated in the following schedule~~ **IN ACCORDANCE WITH THE GRAND COUNTY TABLE 1-A BUILDING PERMIT FEE SCHEDULE.**

Section 106.5.3 is amended to read as follows:

**106.5.3 Fee refunds.** The code **BUILDING** official shall authorize the refunding of fees as follows:

- ~~1. The full amount of any fee paid hereunder which was erroneously paid or collected.~~
- ~~2. Not more than [SPECIFY PERCENTAGE] percent of the permit fee paid~~

~~when no work has been done under a permit issued in accordance with this code.~~

- ~~3. Not more than [SPECIFY PERCENTAGE] percent of the plan review fee paid when an applicant for a permit for which a plan review fee has been paid is withdrawn or canceled before any plan review effort has been expended.~~

~~The code official shall not authorize the refunding of any fee paid, except upon written application filed by the original permittee not later than 180 days after the date of fee payment.~~ **THE BUILDING OFFICIAL MAY AUTHORIZE REFUNDING OF NOT MORE THAN 80 PERCENT OF THE PERMIT FEE PAID WHEN NOWORK HAS BEEN DONE UNDER A PERMIT ISSUED IN ACCORDANCE WITH THIS CODE. THE DEPOSIT PAID FOR A PERMIT APPLICATION IS NON-REFUNDABLE. THE BUILDING OFFICIAL SHALL NOT AUTHORIZE REFUNDING OF ANY FEE PAID EXCEPT ON WRITTEN APPLICATION FILED BY THE ORIGINAL PERMITTEE NOT LATER THAN 180 DAYS AFTER THE DATE OF FEE PAYMENT.**

Section 107.2.1 is amended by adding a new subsection to read as follows:

**107.2.1.1 Re-inspections. A RE-INSPECTION FEE MAY BE ASSESSED FOR EACH INSPECTION OR RE-INSPECTION WHEN SUCH PORTION OF WORK FOR WHICH INSPECTION IS CALLED IS NOT COMPLETE OR WHEN CORRECTIONS CALLED FOR ARE NOT MADE.**

**RE-INSPECTION FEES MAY BE ASSESSED WHEN THE INSPECTION RECORD CARD IS NOT POSTED OR OTHERWISE AVAILABLE ON THE WORK SITE, THE APPROVED PLANS ARE NOT READILY AVAILABLE TO THE INSPECTOR, FOR FAILING TO PROVIDE ACCESS ON THE DATE FOR WHICH THE INSPECTION IS REQUESTED OR DEVIATING FROM THE APPROVED PLANS.**

**IN INSTANCES WHERE RE-INSPECTION FEES HAVE BEEN ASSESSED, NO ADDITIONAL INSPECTION OF THE WORK WILL BE PERFORMED UNTIL THE RE-INSPECTION FEE HAS BEEN RECEIVED BY THE BUILDING DEPARTMENT.**

Section 107.2.2 is amended to read as follows:

~~107.2.2 Inspection requests. It shall be the duty of the holder of the permit or their duly authorized agent to notify the code official when work is ready for inspection. It shall be the duty of the permit holder to provide access to and means for inspections of such work that are required by this code.~~ **IT SHALL BE THE DUTY OF THE PERSON DOING THE WORK, THE OWNER, CONTRACTOR OR SUBCONTRACTOR TO KNOW THAT THE**

**BUILDING OR STRUCTURE HAS A VALID PERMIT AND TO NOTIFY THE BUILDING DEPARTMENT WHEN WORK IS READY FOR INSPECTION.**

**UPON CONVICTION, A FINE WILL BE ASSESSED TO THE PERSON DOING THE WORK, THE OWNER, CONTRACTOR OR SUBCONTRACTOR IF WORK IS BEING DONE WITHOUT A PERMIT AND THE INSPECTION IS NOT REQUESTED PER SECTION 107.**

**IT SHALL BE THE DUTY OF THE PERSON DOING THE WORK, THE OWNER, CONTRACTOR OR SUBCONTRACTOR REQUESTING ANY INSPECTIONS REQUIRED BY THIS CODE TO PROVIDE ACCESS AND MEANS FOR INSPECTION OF SUCH WORK.**

**ALL INSPECTIONS REQUESTED PRIOR TO 3:00 P.M. WILL BE PERFORMED THE FOLLOWING WORKING DAY. SUCH REQUEST FOR INSPECTION MAY BE IN WRITING OR BY CALLING THE 24 HOUR AUTOMATED TELEPHONE ANSWERING SYSTEM.**

Section 108.1 is amended to read as follows:

**108.1 Unlawful acts.** ~~It shall be unlawful for a person, firm or corporation to erect, construct, alter, repair, remove, demolish or utilize a mechanical system, or cause same to be done, in conflict with or in violation of any of the provisions of this code.~~ **ANY PERSON AS DEFINED HEREIN (SECTION 202) WHO ERECTS, CONSTRUCTS, RECONSTRUCTS, REMODELS, ENLARGES, ALTERS, REPAIRS, MOVES, IMPROVES, CONVERTS, DEMOLISHES, EQUIPS, USES, OCCUPIES, OR MAINTAINS ANY BUILDING OR STRUCTURE, OR ANY PART OF A BUILDING OR STRUCTURE, IN THE UNINCORPORATED AREA OF GRAND COUNTY OR CAUSES THE SAME TO BE DONE, CONTRARY TO OR IN VIOLATION OF ANY PROVISIONS OF THIS CODE, OR ANY PROVISIONS OF PART 2, ARTICLE 28, TITLE 30, C.R.S., 1973, AS AMENDED SHALL BE DEEMED GUILTY OF A MISDEMEANOR.**

**AND UPON CONVICTION THEREOF, SHALL BE FINED NOT MORE THAN \$100.00, OR BY IMPRISONMENT IN THE COUNTY JAIL FOR NOT MORE THAN TEN DAYS, OR BOTH BY SUCH FINE AND IMPRISONMENT, EACH AND EVERY DAY DURING WHICH SUCH ILLEGAL ERECTION, CONSTRUCTION, RECONSTRUCTION, REMODEL, ENLARGEMENT, ALTERATION, REPAIR, MOVE, IMPROVEMENT, CONVERSION, DEMOLITION, MAINTENANCE OR USE CONTINUES SHALL BE DEEMED A SEPARATE OFFENSE.**

**IN CASE ANY BUILDING OR STRUCTURE IS OR IS PROPOSED TO BE ERECTED, CONSTRUCTED, RECONSTRUCTED, ENLARGED,**

**ALTERED, REPAIRED, MOVED, IMPROVED, CONVERTED, DEMOLISHED, MAINTAINED OR USED IN VIOLATION OF THIS CODE OR OF ANY PROVISION OF PART 2, ARTICLE 28, TITLE 30, C.R.S., AS AMENDED, THE DISTRICT ATTORNEY OF THE DISTRICT, THE BOARD OF COUNTY COMMISSIONERS OF GRAND COUNTY, OR ANY OWNER OF REAL ESTATE WITHIN THE AREA SUBJECT TO THIS CODE, IN ADDITION TO OTHER REMEDIES PROVIDED BY LAW, MAY INSTITUTE AN APPROPRIATE ACTION FOR INJUNCTION, MANDAMUS OR ABATEMENT TO PREVENT, ENJOIN, ABATE, OR REMOVE SUCH UNLAWFUL ERECTION, CONSTRUCTION, RECONSTRUCTION, REMODEL, ENLARGEMENT, ALTERATION, REPAIR, MOVE, IMPROVEMENT, CONVERSION, DEMOLITION, MAINTENANCE OR USE.**

Section 108.4 is hereby repealed in its entirety.

~~**108.4 Violation penalties.** Persons who shall violate a provision of this code or shall fail to comply with any of the requirements thereof or who shall erect, install, alter or repair mechanical work in violation of the approved construction documents or directive of the code official, or of a permit or certificate issued under the provisions of this code, shall be guilty of a [SPECIFY OFFENSE], punishable by a fine of not more than [AMOUNT] dollars or by imprisonment not exceeding [NUMBER OF DAYS], or both such fine and imprisonment. Each day that a violation continues after due notice has been served shall be deemed a separate offense.~~

Section 109 is hereby repealed in its entirety and reenacted to read as follows:

**SECTION 109  
BOARD OF APPEALS**

**109.1 General. IN ORDER TO HEAR AND DECIDE APPEALS OF ORDERS, DECISIONS OR DETERMINATIONS MADE BY THE BUILDING OFFICIAL RELATIVE TO THE APPLICATION AND INTERPRETATION OF THIS CODE, THERE SHALL BE AND IS HEREBY CREATED A BOARD OF APPEALS. THE BOARD OF APPEALS SHALL BE APPOINTED BY THE GOVERNING BODY AND SHALL HOLD OFFICE AT ITS PLEASURE. THE BOARD SHALL ADOPT RULES OF PROCEDURE FOR CONDUCTING ITS BUSINESS.**

**109.2 Limitations on authority. AN APPLICATION FOR APPEAL SHALL BE BASED ON A CLAIM THAT THE TRUE INTENT OF THIS CODE OR THE RULES LEGALLY ADOPTED THEREUNDER HAVE BEEN INCORRECTLY INTERPRETED, THE PROVISIONS OF THIS CODE DO NOT FULLY APPLY, OR AN EQUALLY GOOD OR BETTER FORM OF CONSTRUCTION IS PROPOSED.**

**THE BOARD OF APPEALS SHALL HAVE NO AUTHORITY RELATIVE TO THE INTERPRETATION OF THE ADMINISTRATIVE PROVISIONS OF THIS CODE NOR SHALL THE BOARD BE EMPOWERED TO WAIVE REQUIREMENTS OF THIS CODE.**

**109.3 Qualifications. THERE SHALL BE AND IS HEREBY CREATED A BOARD OF APPEALS, WHICH SHALL BE KNOWN AS THE BOARD OF REVIEW, CONSISTING OF FIVE MEMBERS WHO ARE QUALIFIED BY EXPERIENCE AND TRAINING TO PASS UPON MATTERS PERTAINING TO BUILDING CONSTRUCTION.**

**THE BUILDING OFFICIAL SHALL BE AN EX-OFFICIO MEMBER AND SHALL ACT AS SECRETARY OF THE BOARD. THE BOARD OF REVIEW SHALL BE APPOINTED AND THEIR TERM OF OFFICE SHALL BE SET BY THE BOARD OF COUNTY COMMISSIONERS OF WHICH AT LEAST A TERM OF ONE MEMBER SHALL EXPIRE EACH YEAR.**

**ANY MEMBER OF THE BOARD MAY BE REMOVED FOR CAUSE BY THE BOARD OF COUNTY COMMISSIONERS UPON WRITTEN CHARGES AND AFTER A PUBLIC HEARING. VACANCIES SHALL BE FILLED FOR THE UNEXPIRED TERM IN THE SAME MANNER AS IN THE CASE OF ORIGINAL APPOINTMENTS.**

**THE BOARD OF APPEALS SHALL HAVE JURISDICTION TO DECIDE ANY APPEAL FROM THE BUILDING OFFICIAL IF THE DECISION OF THE BUILDING OFFICIAL CONCERNS SUITABLE OR ALTERNATIVE MATERIALS, METHODS OF CONSTRUCTION, OR A REASONABLE INTERPRETATION OF THE CODE.**

**BOARD OF APPEALS SHALL NOT HEAR APPEALS WITH REGARD TO LIFE-SAFETY ITEMS.**

**THE FIRST ORDER OF BUSINESS AT ANY HEARING AT THE BOARD OF APPEALS SHALL BE TO DETERMINE IF IT HAS JURISDICTION TO HEAR THE APPEAL.**

**ANY APPEAL TO THE BOARD OF APPEALS SHALL BE PRECEDED BY A WRITTEN APPEAL TO THE BUILDING OFFICIAL, WHO SHALL REPLY IN WRITING. THE DECISION OF THE BUILDING OFFICIAL MAY BE APPEALED TO THE BOARD OF APPEALS BY SERVING UPON THE SECRETARY OF THE BOARD OF APPEALS, WITHIN TEN DAYS FROM THE DATE OF THE DECISION OF THE BUILDING OFFICIAL, A NOTICE OF APPEAL TO THE BUILDING OFFICIAL AND A COPY OF THE BUILDING OFFICIAL'S DECISION.**

**A NOTICE OF APPEAL SHALL BE ACCOMPANIED BY A FEE OF \$250.00.**

Section 202 is amended by adding the following definition within the alphabetical order of the existing definitions.

**FIRE DEPARTMENT.** The chief officer of East Grand, Granby, Grand Lake, Hot Sulphur Springs and Kremmling fire protection districts, or the chief officer's authorized representative.

**PERSON.** A natural person or any individual, partnership, corporation, association, company or other public or corporate body, including the federal government, and includes any political subdivision, agency, **INSTRUMENTALITY**, or corporation of the state or the United States government. Singular includes plural, male includes female.

Section 303 is amended by adding a new subsection to read as follows:

**303.7.1 LP-GAS APPLIANCE IN PIT OR BASEMENT. LIQUEFIED PETROLEUM GAS PIPING MAY SERVE A GAS APPLIANCE LOCATED IN A PIT, BASEMENT OR SIMILAR LOCATION WHEN ALL OF THE FOLLOWING CONDITIONS ARE MET:**

- 1. THERE SHALL BE INSTALLED A *LISTED* GAS DETECTOR THAT IS INTERLOCKED TO A *LISTED* SOLENOID VALVE LOCATED SO AS TO SHUT OFF THE SUPPLY OF GAS TO THE BUILDING IN THE EVENT OF AN ALARM.**
- 2. THERE SHALL BE INSTALLED AN EXHAUST SYSTEM FOR THE PURPOSE OF REMOVING UNBURNED GASES. THE EXHAUST SYSTEM SHALL BE INTERLOCKED TO THE GAS DETECTOR SO AS TO OPERATE AUTOMATICALLY IN THE EVENT OF AN ALARM. THE EXHAUST SYSTEM SHALL PROVIDE A MINIMUM OF FOUR (4) AIR CHANGES PER HOUR AND THE EXHAUST INTAKE SHALL BE LOCATED WITHIN 6 INCHES OF THE FLOOR.**

Section 509.1 is amended to read as follows:

**509.1 Where required.** *Commercial cooking appliances* required by Section 507.2.1 to have a Type I hood shall be provided with an *approved* automatic fire suppression system complying with the *International Building Code* and the *International Fire Code*. **ALL FIRE SUPPRESSION SYSTEMS REQUIRED BY THIS CODE SHALL BE INSPECTED AND APPROVED BY A SPECIAL INSPECTOR. THE SPECIAL INSPECTOR SHALL BE AN AUTHORIZED REPRESENTATIVE OF THE FIRE DEPARTMENT OR**

**ANOTHER QUALIFIED INDIVIDUAL WITH PRIOR APPROVAL OF THE BUILDING OFFICIAL. APPROVALS OF SPECIAL INSPECTORS AND INSPECTIONS, APPROVALS AND REPORTS BY SPECIAL INSPECTORS SHALL BE IN ACCORDANCE WITH CHAPTER 17 OF THE *INTERNATIONAL BUILDING CODE*.**

Section 805 is amended by adding a new section to read as follows:

**805.7 Chimney enclosure. FACTORY-BUILT CHIMNEYS SHALL BE ENCLOSED WITHIN A CONTINUOUS ENCLOSURE PROTECTED ON THE INTERIOR (CHIMNEY) SIDE BY NOT LESS THAN 5/8 INCH TYPE-X GYPSUM WALLBOARD. JOINTS AND FASTENERS SHALL BE TAPED AND FINISHED.**

**EXCEPTION: THE PORTION OF THE CHIMNEY LOCATED IN THE SAME ROOM AS THE APPLIANCE AND THE PORTION OF THE CHIMNEY ABOVE THE FINISHED ROOF IS NOT REQUIRED TO BE ENCLOSED.**

**FACTORY-BUILT CHIMNEYS SHALL BE EFFECTIVELY FIREBLOCKED WITHIN SUCH ENCLOSURE AT EACH FLOOR-CEILING LEVEL AND AT THE ROOF. THE VERTICAL DISTANCE BETWEEN ADJACENT FIREBLOCKING SHALL NOT EXCEED 10 FEET.**

Section 903.3 is amended to read as follows:

**903.3 Unvented gas log heater. ~~An unvented gas log heater shall not be installed in a factory built fireplace unless the fireplace system has been specifically tested, listed and labeled for such use in accordance with UL 127.~~ UNVENTED GAS LOG HEATERS ARE PROHIBITED.**

**AMENDMENTS  
2009 INTERNATIONAL PLUMBING CODE**

Section 101.1 is amended to read as follows:

**101.1 Title.** ~~These regulations~~ **THIS RESOLUTION** shall be known as the *Plumbing Code* of **GRAND COUNTY, COLORADO. THIS RESOLUTION SHALL BE KNOWN AS THE “PLUMBING CODE”, MAY BE CITED AS SUCH, AND WILL BE REFERRED TO HEREIN AS “THIS CODE”. THIS CODE SHALL APPLY TO ALL OF THE UNINCORPORATED AREA OF GRAND COUNTY, COLORADO.**

Section 101.3 is amended to read as follows:

**101.3 Intent.** The purpose of this code is to provide 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 plumbing equipment and systems. **THE INTENT OF THIS CODE IS TO MEET OR EXCEED THE REQUIREMENTS OF THE STATE OF COLORADO PLUMBING CODE. WHEN TECHNICAL REQUIREMENTS, SPECIFICATIONS OR STANDARDS IN THE COLORADO PLUMBING CODE CONFLICT WITH THIS CODE, THE MORE RESTRICTIVE SHALL APPLY.**

Section 103.2 is amended to read as follows:

**103.2 Appointment BUILDING OFFICIAL.** ~~The code official shall be appointed by the chief appointing authority of the jurisdiction.~~ **THE BUILDING OFFICIAL IS HEREBY AUTHORIZED AND DIRECTED TO ENFORCE ALL OF THE PROVISIONS OF THIS CODE; HOWEVER, A GUARANTEE THAT ALL BUILDINGS AND STRUCTURES HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH ALL OF THE PROVISIONS OF THIS CODE IS NEITHER INTENDED NOR IMPLIED.**

Section 103.4 is amended to read as follows:

**103.4 Liability.** **THE ADOPTION OF THIS CODE, AND ANY PREVIOUS CODES ADOPTED BY GRAND COUNTY, SHALL NOT BE DEEMED TO GIVE RISE TO A DUTY OF CARE ON THE PART OF ANY PUBLIC ENTITY, PUBLIC EMPLOYEE OR AGENT, NOR SHALL THIS CODE OR ANY PREVIOUS CODES BE DEEMED TO CREATE ANY CIVIL REMEDY AGAINST A PUBLIC ENTITY, PUBLIC EMPLOYEE OR AGENT.** ~~The code~~ **BUILDING** official, member of the board of appeals or employee charged with the enforcement of this code, while acting for the jurisdiction in good faith and without malice in the discharge of the duties required by this code or other pertinent law or ordinance, shall not thereby be

rendered liable personally, and is hereby relieved from all personal liability for any damage accruing to persons or property as a result of an act or by reason of an act or omission in the discharge of official duties.

Any suit instituted against an officer or employee because of an act performed by that officer or employee in the lawful discharge of duties under the provisions of this code shall be defended by the legal representative of the jurisdiction until the final termination of the proceedings. The ~~code~~ **BUILDING** official or any subordinate shall not be liable for costs in any action, suit or proceeding that is instituted in pursuance of the provisions of this code.

Section 106.5.3 is amended to read as follows:

**106.5.3 Expiration.** ~~Every permit issued by the code official under the provisions of this code shall expire by limitation and become null and void if the work authorized by such permit is not commenced within 180 days from the date of such permit, or if the work authorized by such permit is suspended or abandoned at any time after the work is commenced for a period of 180 days. Before such work recommences, a new permit shall be first obtained and the fee, therefore, shall be one-half the amount required for a new permit for such work, provided no changes have been made or will be made in the original construction documents for such work, and provided further that such suspension or abandonment has not exceeded one year.~~ **EVERY PERMIT ISSUED BY THE BUILDING OFFICIAL UNDER THE PROVISIONS OF THIS CODE SHALL EXPIRE BY LIMITATION AND BECOME NULL AND VOID IF THE BUILDING OR WORK AUTHORIZED BY SUCH PERMIT IS NOT COMMENCED WITHIN 180 DAYS FROM THE DATE OF SUCH PERMIT, OR IF THE BUILDING OR WORK AUTHORIZED BY SUCH PERMIT IS SUSPENDED OR ABANDONED AT ANY TIME AFTER THE WORK IS COMMENCED FOR A PERIOD OF 240 DAYS.**

**BEFORE SUCH WORK CAN BE COMMENCED, A NEW PERMIT SHALL BE OBTAINED. THE FEE FOR A RE-ISSUED NEW PERMIT SHALL BE ONE-HALF THE AMOUNT REQUIRED FOR A NEW PERMIT FOR SUCH WORK, PROVIDED NO CHANGES HAVE BEEN MADE OR WILL BE MADE IN THE ORIGINAL PLANS AND SPECIFICATIONS FOR SUCH WORK, AND FURTHER PROVIDED THAT SUCH SUSPENSION OR ABANDONMENT HAS NOT EXCEEDED ONE YEAR. CHANGES IN PLANS AND SPECIFICATIONS SHALL REQUIRE AN ADDITIONAL PERMIT FEE AND PLAN REVIEW FEE AS DESCRIBED IN SECTION 106 AND SECTION 108. ANY NULLIFIED PERMIT WHERE THE SUSPENSION OR ABANDONMENTS HAVE EXCEEDED ONE YEAR WILL REQUIRE THE PERMITTEE TO PAY A NEW PERMIT FEE PLUS PLAN REVIEW FEE.**

**ANY PERSON HOLDING AN UNEXPIRED AND VALID PERMIT MAY APPLY FOR AN EXTENSION OF TIME TO COMMENCE WORK, RETURN TO WORK OR COMPLETE WORK UNDER THAT PERMIT BY SUBMITTING A WRITTEN REQUEST DESCRIBING GOOD AND SATISFACTORY REASON FOR SUCH EXTENSION. THIS REQUEST SHALL BE RECEIVED PRIOR TO THE DATE ON WHICH THE ORIGINAL PERMIT EXPIRES OR BECOMES NULL AND VOID. AN EXTENDED PERMIT IS VALID FOR 18 MONTHS FROM THE DATE OF THE EXTENSION, DOES NOT REQUIRE COMPLIANCE WITH CODES ADOPTED SINCE THE ORIGINAL PERMIT WAS ISSUED, AND DOES NOT REQUIRE PAYMENT OF NEW FEES. NO PERMIT SHALL BE EXTENDED MORE THAN TWICE.**

**WHEN A PERMIT HAS EXPIRED OR BEEN NULLIFIED AND A NEW ADDITION OF THE BUILDING CODE HAS BEEN ADOPTED, THE ORIGINAL PLANS SHALL BE REVIEWED AND REQUIRED TO COMPLY WITH THE CURRENT CODE. THE PERMITTEE SHALL PAY A NEW BUILDING PERMIT FEE BASED ON THE CURRENT PROJECTED VALUATION.**

Section 106.5.4 is amended to read as follows:

**106.5.4 Extensions.** ~~A permittee holding an unexpired permit shall have the right to apply for an extension of the time within which he or she will commence work under that permit when work is unable to be commenced within the time required by this section for good and satisfactory reasons. The code official shall extend the time for action by the permittee for a period not exceeding 180 days if there is reasonable cause. A permit shall not be extended more than once. The fee for an extension shall be one half the amount required for a new permit for such work.~~ **ANY PERSON HOLDING AN UNEXPIRED AND VALID PERMIT MAY APPLY FOR AN EXTENSION OF TIME TO COMMENCE WORK, RETURN TO WORK OR COMPLETE WORK UNDER THAT PERMIT BY SUBMITTING A WRITTEN REQUEST DESCRIBING GOOD AND SATISFACTORY REASON FOR SUCH EXTENSION. THIS REQUEST SHALL BE RECEIVED PRIOR TO THE DATE ON WHICH THE ORIGINAL PERMIT EXPIRES OR BECOMES NULL AND VOID. AN EXTENDED PERMIT IS VALID FOR 18 MONTHS FROM THE DATE OF THE EXTENSION, DOES NOT REQUIRE COMPLIANCE WITH CODES ADOPTED SINCE THE ORIGINAL PERMIT WAS ISSUED, AND DOES NOT REQUIRE PAYMENT OF NEW FEES. NO PERMIT SHALL BE EXTENDED MORE THAN TWICE.**

Section 106.6.2 is amended to read as follows:

**106.6.2 Fee schedule.** The fees for plumbing work shall be as indicated in the following schedule **IN ACCORDANCE WITH THE GRAND COUNTY TABLE 1-A BUILDING PERMIT FEE SCHEDULE.**

Section 106.6.3 is amended to read as follows:

**106.6.3 Fee refunds.** The code **BUILDING** official shall authorize the refunding of fees as follows:

- ~~1. The full amount of any fee paid hereunder which was erroneously paid or collected.~~
- ~~2. Not more than [SPECIFY PERCENTAGE] percent of the permit fee paid when no work has been done under a permit issued in accordance with this code.~~
- ~~3. Not more than [SPECIFY PERCENTAGE] percent of the plan review fee paid when an applicant for a permit for which a plan review fee has been paid is withdrawn or canceled before any plan review effort has been expended.~~

~~The code official shall not authorize the refunding of any fee paid, except upon written application filed by the original permittee not later than 180 days after the date of fee payment.~~ **THE BUILDING OFFICIAL MAY AUTHORIZE REFUNDING OF NOTMORE THAN 80 PERCENT OF THE PERMIT FEE PAID WHEN NOWORK HAS BEEN DONE UNDER A PERMIT ISSUED IN ACCORDANCE WITH THIS CODE. THE DEPOSIT PAID FOR A PERMIT APPLICATION IS NON-REFUNDABLE. THE BUILDING OFFICIAL SHALL NOT AUTHORIZE REFUNDING OF ANY FEE PAID EXCEPT ON WRITTEN APPLICATION FILED BY THE ORIGINAL PERMITTEE NOT LATER THAN 180 DAYS AFTER THE DATE OF FEE PAYMENT.**

Section 107.2.1 is amended by adding a new subsection to read as follows:

**107.2.1.1 Re-inspections.** A RE-INSPECTION FEE MAY BE ASSESSED FOR EACH INSPECTION OR RE-INSPECTION WHEN SUCH PORTION OF WORK FOR WHICH INSPECTION IS CALLED IS NOT COMPLETE OR WHEN CORRECTIONS CALLED FOR ARE NOT MADE.

**RE-INSPECTION FEES MAY BE ASSESSED WHEN THE INSPECTION RECORD CARD IS NOT POSTED OR OTHERWISE AVAILABLE ON THE WORK SITE, THE APPROVED PLANS ARE NOT READILY AVAILABLE TO THE INSPECTOR, FOR FAILING TO PROVIDE ACCESS ON THE DATE FOR WHICH THE INSPECTION IS REQUESTED OR DEVIATING FROM THE APPROVED PLANS.**

**IN INSTANCES WHERE RE-INSPECTION FEES HAVE BEEN ASSESSED, NO ADDITIONAL INSPECTION OF THE WORK WILL BE PERFORMED UNTIL THE RE-INSPECTION FEE HAS BEEN RECEIVED BY THE BUILDING DEPARTMENT.**

Section 107.2.2 is amended to read as follows:

**107.2.2 Inspection requests.** ~~It shall be the duty of the holder of the permit or their duly authorized agent to notify the code official when work is ready for inspection. It shall be the duty of the permit holder to provide access to and means for inspections of such work that are required by this code.~~ **IT SHALL BE THE DUTY OF THE PERSON DOING THE WORK, THE OWNER, CONTRACTOR OR SUBCONTRACTOR TO KNOW THAT THE BUILDING OR STRUCTURE HAS A VALID PERMIT AND TO NOTIFY THE BUILDING DEPARTMENT WHEN WORK IS READY FOR INSPECTION.**

**UPON CONVICTION, A FINE WILL BE ASSESSED TO THE PERSON DOING THE WORK, THE OWNER, CONTRACTOR OR SUBCONTRACTOR IF WORK IS BEING DONE WITHOUT A PERMIT AND THE INSPECTION IS NOT REQUESTED PER SECTION 107.**

**IT SHALL BE THE DUTY OF THE PERSON DOING THE WORK, THE OWNER, CONTRACTOR OR SUBCONTRACTOR REQUESTING ANY INSPECTIONS REQUIRED BY THIS CODE TO PROVIDE ACCESS AND MEANS FOR INSPECTION OF SUCH WORK.**

**ALL INSPECTIONS REQUESTED PRIOR TO 3:00 P.M. WILL BE PERFORMED THE FOLLOWING WORKING DAY. SUCH REQUEST FOR INSPECTION MAY BE IN WRITING OR BY CALLING THE 24 HOUR AUTOMATED TELEPHONE ANSWERING SYSTEM.**

Section 108.1 is amended to read as follows:

**108.1 Unlawful acts.** ~~It shall be unlawful for any person, firm or corporation to erect, construct, alter, repair, remove, demolish or utilize any plumbing system, or cause same to be done, in conflict with or in violation of any of the provisions of this code.~~ **ANY PERSON AS DEFINED HEREIN (SECTION 202) WHO ERECTS, CONSTRUCTS, RECONSTRUCTS, REMODELS, ENLARGES, ALTERS, REPAIRS, MOVES, IMPROVES, CONVERTS, DEMOLISHES, EQUIPS, USES, OCCUPIES, OR MAINTAINS ANY BUILDING OR STRUCTURE, OR ANY PART OF A BUILDING OR STRUCTURE, IN THE UNINCORPORATED AREA OF GRAND COUNTY OR CAUSES THE SAME TO BE DONE, CONTRARY TO OR IN VIOLATION OF ANY PROVISIONS OF THIS CODE, OR ANY PROVISIONS OF PART 2, ARTICLE 28, TITLE 30, C.R.S., 1973, AS AMENDED SHALL BE**

**DEEMED GUILTY OF A MISDEMEANOR.**

**AND UPON CONVICTION THEREOF, SHALL BE FINED NOT MORE THAN \$100.00, OR BY IMPRISONMENT IN THE COUNTY JAIL FOR NOT MORE THAN TEN DAYS, OR BOTH BY SUCH FINE AND IMPRISONMENT, EACH AND EVERY DAY DURING WHICH SUCH ILLEGAL ERECTION, CONSTRUCTION, RECONSTRUCTION, REMODEL, ENLARGEMENT, ALTERATION, REPAIR, MOVE, IMPROVEMENT, CONVERSION, DEMOLITION, MAINTENANCE OR USE CONTINUES SHALL BE DEEMED A SEPARATE OFFENSE.**

**IN CASE ANY BUILDING OR STRUCTURE IS OR IS PROPOSED TO BE ERECTED, CONSTRUCTED, RECONSTRUCTED, ENLARGED, ALTERED, REPAIRED, MOVED, IMPROVED, CONVERTED, DEMOLISHED, MAINTAINED OR USED IN VIOLATION OF THIS CODE OR OF ANY PROVISION OF PART 2, ARTICLE 28, TITLE 30, C.R.S., AS AMENDED, THE DISTRICT ATTORNEY OF THE DISTRICT, THE BOARD OF COUNTY COMMISSIONERS OF GRAND COUNTY, OR ANY OWNER OF REAL ESTATE WITHIN THE AREA SUBJECT TO THIS CODE, IN ADDITION TO OTHER REMEDIES PROVIDED BY LAW, MAY INSTITUTE AN APPROPRIATE ACTION FOR INJUNCTION, MANDAMUS OR ABATEMENT TO PREVENT, ENJOIN, ABATE, OR REMOVE SUCH UNLAWFUL ERECTION, CONSTRUCTION, RECONSTRUCTION, REMODEL, ENLARGEMENT, ALTERATION, REPAIR, MOVE, IMPROVEMENT, CONVERSION, DEMOLITION, MAINTENANCE OR USE.**

Section 108.4 is hereby repealed in its entirety.

~~**108.4 Violation penalties.** Persons who shall violate a provision of this code or shall fail to comply with any of the requirements thereof or who shall erect, install, alter or repair plumbing work in violation of the approved construction documents or directive of the code official, or of a permit or certificate issued under the provisions of this code, shall be guilty of a [SPECIFY OFFENSE], punishable by a fine of not more than [AMOUNT] dollars or by imprisonment not exceeding [NUMBER OF DAYS], or both such fine and imprisonment. Each day that a violation continues after due notice has been served shall be deemed a separate offense.~~

Section 109 is hereby repealed in its entirety and reenacted to read as follows:

**SECTION 109  
BOARD OF APPEALS**

**109.1 General. IN ORDER TO HEAR AND DECIDE APPEALS OF ORDERS, DECISIONS OR DETERMINATIONS MADE BY THE BUILDING OFFICIAL RELATIVE TO THE APPLICATION AND INTERPRETATION OF THIS CODE, THERE SHALL BE AND IS HEREBY CREATED A BOARD OF APPEALS. THE BOARD OF APPEALS SHALL BE APPOINTED BY THE GOVERNING BODY AND SHALL HOLD OFFICE AT ITS PLEASURE. THE BOARD SHALL ADOPT RULES OF PROCEDURE FOR CONDUCTING ITS BUSINESS.**

**109.2 Limitations on authority. AN APPLICATION FOR APPEAL SHALL BE BASED ON A CLAIM THAT THE TRUE INTENT OF THIS CODE OR THE RULES LEGALLY ADOPTED THEREUNDER HAVE BEEN INCORRECTLY INTERPRETED, THE PROVISIONS OF THIS CODE DO NOT FULLY APPLY, OR AN EQUALLY GOOD OR BETTER FORM OF CONSTRUCTION IS PROPOSED.**

**THE BOARD OF APPEALS SHALL HAVE NO AUTHORITY RELATIVE TO THE INTERPRETATION OF THE ADMINISTRATIVE PROVISIONS OF THIS CODE NOR SHALL THE BOARD BE EMPOWERED TO WAIVE REQUIREMENTS OF THIS CODE.**

**109.3 Qualifications. THERE SHALL BE AND IS HEREBY CREATED A BOARD OF APPEALS, WHICH SHALL BE KNOWN AS THE BOARD OF REVIEW, CONSISTING OF FIVE MEMBERS WHO ARE QUALIFIED BY EXPERIENCE AND TRAINING TO PASS UPON MATTERS PERTAINING TO BUILDING CONSTRUCTION.**

**THE BUILDING OFFICIAL SHALL BE AN EX-OFFICIO MEMBER AND SHALL ACT AS SECRETARY OF THE BOARD. THE BOARD OF REVIEW SHALL BE APPOINTED AND THEIR TERM OF OFFICE SHALL BE SET BY THE BOARD OF COUNTY COMMISSIONERS OF WHICH AT LEAST A TERM OF ONE MEMBER SHALL EXPIRE EACH YEAR.**

**ANY MEMBER OF THE BOARD MAY BE REMOVED FOR CAUSE BY THE BOARD OF COUNTY COMMISSIONERS UPON WRITTEN CHARGES AND AFTER A PUBLIC HEARING. VACANCIES SHALL BE FILLED FOR THE UNEXPIRED TERM IN THE SAME MANNER AS IN THE CASE OF ORIGINAL APPOINTMENTS.**

**THE BOARD OF APPEALS SHALL HAVE JURISDICTION TO DECIDE ANY APPEAL FROM THE BUILDING OFFICIAL IF THE DECISION OF THE BUILDING OFFICIAL CONCERNS SUITABLE OR ALTERNATIVE MATERIALS, METHODS OF CONSTRUCTION, OR A REASONABLE INTERPRETATION OF THE CODE.**

**BOARD OF APPEALS SHALL NOT HEAR APPEALS WITH REGARD TO LIFE-SAFETY ITEMS.**

**THE FIRST ORDER OF BUSINESS AT ANY HEARING AT THE BOARD OF APPEALS SHALL BE TO DETERMINE IF IT HAS JURISDICTION TO HEAR THE APPEAL.**

**ANY APPEAL TO THE BOARD OF APPEALS SHALL BE PRECEDED BY A WRITTEN APPEAL TO THE BUILDING OFFICIAL, WHO SHALL REPLY IN WRITING. THE DECISION OF THE BUILDING OFFICIAL MAY BE APPEALED TO THE BOARD OF APPEALS BY SERVING UPON THE SECRETARY OF THE BOARD OF APPEALS, WITHIN TEN DAYS FROM THE DATE OF THE DECISION OF THE BUILDING OFFICIAL, A NOTICE OF APPEAL TO THE BUILDING OFFICIAL AND A COPY OF THE BUILDING OFFICIAL'S DECISION.**

**A NOTICE OF APPEAL SHALL BE ACCOMPANIED BY A FEE OF \$250.00.**

Section 202 is amended by adding the following definition within the alphabetical order of the existing definitions.

**FIRE DEPARTMENT.** The chief officer of East Grand, Granby, Grand Lake, Hot Sulphur Springs and Kremmling fire protection districts, or the chief officer's authorized representative.

**PERSON.** A natural person or any individual, partnership, corporation, association, company or other public or corporate body, including the federal government, and includes any political subdivision, agency, **INSTRUMENTALITY**, or corporation of the state or the United States government. Singular includes plural, male includes female.

Section 305.6.1 is amended to read as follows:

**305.6.1 Sewer depth.** Building sewers that connect to private sewage disposal systems shall be a minimum of [21 ¼ INCHES] below finished grade at the point of septic tank connection. Building sewers shall be a minimum of [12 INCHES] below grade.

Section 309 is amended by deleting in its entirety.

**SECTION 309**  
**FLOOD HAZARD RESISTANCE**

~~**309.1 General.** Plumbing systems and equipment in structures erected in flood hazard areas shall be constructed in accordance with the requirements of this section and the *International Building Code*.~~

~~**[B] 309.2 Flood hazard.** For structures located in flood hazard areas, the following systems and equipment shall be located at or above the *design flood elevation*.~~

~~**Exception:** The following systems are permitted to be located below the *design flood elevation* provided that the systems are designed and installed to prevent water from entering or accumulating within their components and the systems are constructed to resist hydrostatic and hydrodynamic loads and stresses, including the effects of buoyancy, during the occurrence of flooding to the *design flood elevation*.~~

- ~~1. All water service pipes.~~
- ~~2. Pump seals in individual water supply systems where the pump is located below the *design flood elevation*.~~
- ~~3. Covers on potable water wells shall be sealed, except where the top of the casing well or pipe sleeve is elevated to at least 1 foot above the *design flood elevation*.~~
- ~~4. All sanitary drainage piping.~~
- ~~5. All storm drainage piping.~~
- ~~6. Manhole covers shall be sealed, except where elevated to or above the *design flood elevation*.~~
- ~~7. All other plumbing fixtures, faucets, fixture fittings, piping systems and equipment.~~
- ~~8. Water heaters.~~
- ~~9. Vents and vent systems.~~

~~**[B] 309.3 Flood hazard areas subject to high-velocity wave action.** Structures located in flood hazard areas subject to high-velocity wave action shall meet the requirements of Section 309.2. The plumbing systems, pipes and fixtures shall not be mounted on or penetrate through walls intended to break away under flood loads.~~

Section 701.2 is amended to read as follows:

**701.2 Sewer required.** Every building in which plumbing fixtures are installed and all premises having drainage piping shall be connected to a *public sewer*, where available, or an *approved private sewage disposal system* in accordance with the *International Private Sewage Disposal Code*. **GUIDELINES ON INDIVIDUAL SEWAGE DISPOSAL SYSTEMS AS PUBLISHED BY THE**

**COLORADO DEPARTMENT OF HEALTH, WATER QUALITY  
CONTROL DIVISION.**

Section 904.1 is amended to read as follows:

**904.1 Roof extension.** All open vent pipes that extend through a roof shall be terminated at least [**12 INCHES**] above the roof, except that where a roof is to be used for any purpose other than weather protection, the vent extensions shall be run at least 7 feet above the roof.

Section 1106.1 is amended to read as follows:

**1106.1 General.** The size of the vertical conductors and leaders, building storm drains, building storm sewers, and any horizontal branches of such drains or sewers shall be based on the 100-year hourly rainfall rate indicated in Figure 1106.1, ~~or on other rainfall rates determined from *approved* local weather data~~ **OF TWO INCHES PER HOUR.**

Section 1108.1 is amended to read as follows:

~~**1108.1 Size of combined drains and sewers.** The size of a combination sanitary and storm drain or sewer shall be computed in accordance with the method in Section 1106.3. The fixture units shall be converted into an equivalent projected roof or paved area. Where the total fixture load on the combined drain is less than or equal to 256 fixture units, the equivalent drainage area in horizontal projection shall be taken as 4,000 square feet. Where the total fixture load exceeds 256 fixture units, each additional fixture unit shall be considered the equivalent of 15.6 square feet of drainage area. These values are based on a rainfall rate of 1 inch per hour.~~ **COMBINATION SANITARY AND STORM DRAINS OR SEWERS ARE PROHIBITED.**

**AMENDMENTS  
2009 INTERNATIONAL FUEL GAS CODE**

Section 101.1 is amended to read as follows:

**101.1 Title.** ~~These regulations~~ **THIS RESOLUTION** shall be known as the *Fuel Gas Code* of **GRAND COUNTY, COLORADO. THIS RESOLUTION SHALL BE KNOWN AS THE “FUEL GAS CODE”, MAY BE CITED AS SUCH, AND WILL BE REFERRED TO HEREIN AS “THIS CODE”. THIS CODE SHALL APPLY TO ALL OF THE UNINCORPORATED AREA OF GRAND COUNTY, COLORADO.**

Section 103.2 is amended to read as follows:

**103.2 Appointment BUILDING OFFICIAL.** ~~The code official shall be appointed by the chief appointing authority of the jurisdiction.~~ **THE BUILDING OFFICIAL IS HEREBY AUTHORIZED AND DIRECTED TO ENFORCE ALL OF THE PROVISIONS OF THIS CODE; HOWEVER, A GUARANTEE THAT ALL BUILDINGS AND STRUCTURES HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH ALL OF THE PROVISIONS OF THIS CODE IS NEITHER INTENDED NOR IMPLIED.**

Section 103.4 is amended to read as follows:

**103.4 Liability.** **THE ADOPTION OF THIS CODE, AND ANY PREVIOUS CODES ADOPTED BY GRAND COUNTY, SHALL NOT BE DEEMED TO GIVE RISE TO A DUTY OF CARE ON THE PART OF ANY PUBLIC ENTITY, PUBLIC EMPLOYEE OR AGENT, NOR SHALL THIS CODE OR ANY PREVIOUS CODES BE DEEMED TO CREATE ANY CIVIL REMEDY AGAINST A PUBLIC ENTITY, PUBLIC EMPLOYEE OR AGENT.** ~~The code~~ **BUILDING** official, member of the board of appeals or employee charged with the enforcement of this code, while acting for the jurisdiction in good faith and without malice in the discharge of the duties required by this code or other pertinent law or ordinance, shall not thereby be rendered liable personally, and is hereby relieved from all personal liability for any damage accruing to persons or property as a result of an act or by reason of an act or omission in the discharge of official duties.

Any suit instituted against an officer or employee because of an act performed by that officer or employee in the lawful discharge of duties under the provisions of this code shall be defended by the legal representative of the jurisdiction until the final termination of the proceedings. ~~The code~~ **BUILDING** official or any subordinate shall not be liable for costs in any action, suit or proceeding that is instituted in pursuance of the provisions of this code.

Section 106.5.3 is amended to read as follows:

**106.5.3 Expiration.** ~~Every permit issued by the code official under the provisions of this code shall expire by limitation and become null and void if the work authorized by such permit is not commenced within 180 days from the date of such permit, or if the work authorized by such permit is suspended or abandoned at any time after the work is commenced for a period of 180 days. Before such work recommences, a new permit shall be first obtained and the fee, therefore, shall be one-half the amount required for a new permit for such work, provided no changes have been made or will be made in the original *construction documents* for such work, and provided further that such suspension or abandonment has not exceeded one year.~~ **EVERY PERMIT ISSUED BY THE BUILDING OFFICIAL UNDER THE PROVISIONS OF THIS CODE SHALL EXPIRE BY LIMITATION AND BECOME NULL AND VOID IF THE BUILDING OR WORK AUTHORIZED BY SUCH PERMIT IS NOT COMMENCED WITHIN 180 DAYS FROM THE DATE OF SUCH PERMIT, OR IF THE BUILDING OR WORK AUTHORIZED BY SUCH PERMIT IS SUSPENDED OR ABANDONED AT ANY TIME AFTER THE WORK IS COMMENCED FOR A PERIOD OF 240 DAYS.**

**BEFORE SUCH WORK CAN BE COMMENCED, A NEW PERMIT SHALL BE OBTAINED. THE FEE FOR A RE-ISSUED NEW PERMIT SHALL BE ONE-HALF THE AMOUNT REQUIRED FOR A NEW PERMIT FOR SUCH WORK, PROVIDED NO CHANGES HAVE BEEN MADE OR WILL BE MADE IN THE ORIGINAL PLANS AND SPECIFICATIONS FOR SUCH WORK, AND FURTHER PROVIDED THAT SUCH SUSPENSION OR ABANDONMENT HAS NOT EXCEEDED ONE YEAR. CHANGES IN PLANS AND SPECIFICATIONS SHALL REQUIRE AN ADDITIONAL PERMIT FEE AND PLAN REVIEW FEE AS DESCRIBED IN SECTION R106 AND SECTION R108. ANY NULLIFIED PERMIT WHERE THE SUSPENSION OR ABANDONMENTS HAVE EXCEEDED ONE YEAR WILL REQUIRE THE PERMITTEE TO PAY A NEW PERMIT FEE PLUS PLAN REVIEW FEE.**

**WHEN A PERMIT HAS EXPIRED OR BEEN NULLIFIED AND A NEW ADDITION OF THE BUILDING CODE HAS BEEN ADOPTED, THE ORIGINAL PLANS SHALL BE REVIEWED AND REQUIRED TO COMPLY WITH THE CURRENT CODE. THE PERMITTEE SHALL PAY A NEW PERMIT FEE BASED ON THE CURRENT PROJECTED VALUATION.**

Section 106.5.4 is amended to read as follows:

**106.5.4 Extensions.** ~~A permittee holding an unexpired permit shall have the right to apply for an extension of the time within which he or she will commence work under that permit when work is unable to be commenced within the time required by this section for good and satisfactory reasons. The code official shall extend the time for action by the permittee for a period not exceeding 180 days if there is reasonable cause. A permit shall not be extended more than once. The fee for an extension shall be one half the amount required for a new permit for such work.~~ **ANY PERSON HOLDING AN UNEXPIRED AND VALID PERMIT MAY APPLY FOR AN EXTENSION OF TIME TO COMMENCE WORK, RETURN TO WORK OR COMPLETE WORK UNDER THAT PERMIT BY SUBMITTING A WRITTEN REQUEST DESCRIBING GOOD AND SATISFACTORY REASON FOR SUCH EXTENSION. THIS REQUEST SHALL BE RECEIVED PRIOR TO THE DATE ON WHICH THE ORIGINAL PERMIT EXPIRES OR BECOMES NULL AND VOID. AN EXTENDED PERMIT IS VALID FOR 18 MONTHS FROM THE DATE OF THE EXTENSION, DOES NOT REQUIRE COMPLIANCE WITH CODES ADOPTED SINCE THE ORIGINAL PERMIT WAS ISSUED, AND DOES NOT REQUIRE PAYMENT OF NEW FEES. NO PERMIT SHALL BE EXTENDED MORE THAN TWICE.**

Section 106.6.2 is amended to read as follows:

**106.6.2 Fee schedule.** ~~The fees for work shall be as indicated in the following schedule~~ **IN ACCORDANCE WITH THE GRAND COUNTY TABLE 1-A BUILDING PERMIT FEE SCHEDULE.**

Section 106.6.3 is amended to read as follows:

**106.6.3 Fee refunds.** The code **BUILDING** official shall authorize the refunding of fees as follows:

- ~~1. The full amount of any fee paid hereunder which was erroneously paid or collected.~~
- ~~2. Not more than [SPECIFY PERCENTAGE] percent of the permit fee paid when no work has been done under a permit issued in accordance with this code.~~
- ~~3. Not more than [SPECIFY PERCENTAGE] percent of the plan review fee paid when an applicant for a permit for which a plan review fee has been paid is withdrawn or canceled before any plan review effort has been expended.~~

~~The code official shall not authorize the refunding of any fee paid, except upon written application filed by the original permittee not later than 180 days after the~~

~~date of fee payment.~~ **THE BUILDING OFFICIAL MAY AUTHORIZE REFUNDING OF NOT MORE THAN 80 PERCENT OF THE PERMIT FEE PAID WHEN NO WORK HAS BEEN DONE UNDER A PERMIT ISSUED IN ACCORDANCE WITH THIS CODE. THE DEPOSIT PAID FOR A PERMIT APPLICATION IS NON-REFUNDABLE. THE BUILDING OFFICIAL SHALL NOT AUTHORIZE REFUNDING OF ANY FEE PAID EXCEPT ON WRITTEN APPLICATION FILED BY THE ORIGINAL PERMITTEE NOT LATER THAN 180 DAYS AFTER THE DATE OF FEE PAYMENT.**

Section 107.2.1 is amended by adding a new subsection to read as follows:

**107.2.1.1 Re-inspections. A RE-INSPECTION FEE MAY BE ASSESSED FOR EACH INSPECTION OR REINSPECTION WHEN SUCH PORTION OF WORK FOR WHICH INSPECTION IS CALLED IS NOT COMPLETE OR WHEN CORRECTIONS CALLED FOR ARE NOT MADE.**

**RE-INSPECTION FEES MAY BE ASSESSED WHEN THE INSPECTION RECORD CARD IS NOT POSTED OR OTHERWISE AVAILABLE ON THE WORK SITE, THE APPROVED PLANS ARE NOT READILY AVAILABLE TO THE INSPECTOR, FOR FAILING TO PROVIDE ACCESS ON THE DATE FOR WHICH THE INSPECTION IS REQUESTED OR DEVIATING FROM THE APPROVED PLANS.**

**IN INSTANCES WHERE RE-INSPECTION FEES HAVE BEEN ASSESSED, NO ADDITIONAL INSPECTION OF THE WORK WILL BE PERFORMED UNTIL THE RE-INSPECTION FEE HAS BEEN RECEIVED BY THE BUILDING DEPARTMENT.**

Section 107.2.2 is amended to read as follows:

~~107.2.2 Inspection requests. It shall be the duty of the holder of the permit or his or her duly authorized agent to notify the code official when work is ready for inspection. It shall be the duty of the permit holder to provide access to and means for inspections of such work that are required by this code.~~ **IT SHALL BE THE DUTY OF THE PERSON DOING THE WORK, THE OWNER, CONTRACTOR OR SUBCONTRACTOR TO KNOW THAT THE BUILDING OR STRUCTURE HAS A VALID PERMIT AND TO NOTIFY THE BUILDING DEPARTMENT WHEN WORK IS READY FOR INSPECTION.**

**UPON CONVICTION, A FINE WILL BE ASSESSED TO THE PERSON DOING THE WORK, THE OWNER, CONTRACTOR OR SUBCONTRACTOR IF WORK IS BEING DONE WITHOUT A PERMIT AND THE INSPECTION IS NOT REQUESTED PER SECTION 107.**

**IT SHALL BE THE DUTY OF THE PERSON DOING THE WORK, THE OWNER, CONTRACTOR OR SUBCONTRACTOR REQUESTING ANY INSPECTIONS REQUIRED BY THIS CODE TO PROVIDE ACCESS AND MEANS FOR INSPECTION OF SUCH WORK.**

**ALL INSPECTIONS REQUESTED PRIOR TO 3:00 P.M. WILL BE PERFORMED THE FOLLOWING WORKING DAY. SUCH REQUEST FOR INSPECTION MAY BE IN WRITING OR BY CALLING THE 24 HOUR AUTOMATED TELEPHONE ANSWERING SYSTEM.**

Section 108.1 is amended to read as follows:

**108.1 Unlawful acts.** ~~It shall be unlawful for a person, firm or corporation to erect, construct, alter, repair, remove, demolish or utilize an installation, or cause same to be done, in conflict with or in violation of any of the provisions of this code.~~ **ANY PERSON AS DEFINED HEREIN (SECTION 202) WHO ERECTS, CONSTRUCTS, RECONSTRUCTS, REMODELS, ENLARGES, ALTERS, REPAIRS, MOVES, IMPROVES, CONVERTS, DEMOLISHES, EQUIPS, USES, OCCUPIES, OR MAINTAINS ANY BUILDING OR STRUCTURE, OR ANY PART OF A BUILDING OR STRUCTURE, IN THE UNINCORPORATED AREA OF GRAND COUNTY OR CAUSES THE SAME TO BE DONE, CONTRARY TO OR IN VIOLATION OF ANY PROVISIONS OF THIS CODE, OR ANY PROVISIONS OF PART 2, ARTICLE 28, TITLE 30, C.R.S., 1973, AS AMENDED SHALL BE DEEMED GUILTY OF A MISDEMEANOR.**

**AND UPON CONVICTION THEREOF, SHALL BE FINED NOT MORE THAN \$100.00, OR BY IMPRISONMENT IN THE COUNTY JAIL FOR NOT MORE THAN TEN DAYS, OR BOTH BY SUCH FINE AND IMPRISONMENT. EACH AND EVERY DAY DURING WHICH SUCH ILLEGAL ERECTION, CONSTRUCTION, RECONSTRUCTION, REMODEL, ENLARGEMENT, ALTERATION, REPAIR, MOVE, IMPROVEMENT, CONVERSION, DEMOLITION, MAINTENANCE OR USE CONTINUES SHALL BE DEEMED A SEPARATE OFFENSE.**

**IN CASE ANY BUILDING OR STRUCTURE IS OR IS PROPOSED TO BE ERECTED, CONSTRUCTED, RECONSTRUCTED, ENLARGED, ALTERED, REPAIRED, MOVED, IMPROVED, CONVERTED, DEMOLISHED, MAINTAINED OR USED IN VIOLATION OF THIS CODE OR OF ANY PROVISION OF PART 2, ARTICLE 28, TITLE 30, C.R.S., AS AMENDED, THE DISTRICT ATTORNEY OF THE DISTRICT, THE BOARD OF COUNTY COMMISSIONERS OF GRAND COUNTY, OR ANY OWNER OF REAL ESTATE WITHIN THE AREA SUBJECT TO THIS CODE, IN ADDITION TO OTHER REMEDIES PROVIDED BY LAW, MAY INSTITUTE AN APPROPRIATE ACTION FOR INJUNCTION, MANDAMUS OR ABATEMENT TO PREVENT, ENJOIN,**

**ABATE, OR REMOVE SUCH UNLAWFUL ERECTION,  
CONSTRUCTION, RECONSTRUCTION, REMODEL, ENLARGEMENT,  
ALTERATION, REPAIR, MOVE, IMPROVEMENT, CONVERSION,  
DEMOLITION, MAINTENANCE OR USE.**

Section 108.4 is amended by deleting in its entirety.

~~**108.4 Violation penalties.** Persons who shall violate a provision of this code, fail to comply with any of the requirements thereof or erect, install, alter or repair work in violation of the *approved construction documents* or directive of the code official, or of a permit or certificate issued under the provisions of this code, shall be guilty of a [SPECIFY OFFENSE], punishable by a fine of not more than [AMOUNT] dollars or by imprisonment not exceeding [NUMBER OF DAYS], or both such fine and imprisonment. Each day that a violation continues after due notice has been served shall be deemed a separate offense.~~

Section 109 is hereby repealed in its entirety and reenacted to read as follows:

**SECTION 109  
BOARD OF APPEALS**

**109.1 General. IN ORDER TO HEAR AND DECIDE APPEALS OF ORDERS, DECISIONS OR DETERMINATIONS MADE BY THE BUILDING OFFICIAL RELATIVE TO THE APPLICATION AND INTERPRETATION OF THIS CODE, THERE SHALL BE AND IS HEREBY CREATED A BOARD OF APPEALS. THE BOARD OF APPEALS SHALL BE APPOINTED BY THE GOVERNING BODY AND SHALL HOLD OFFICE AT ITS PLEASURE. THE BOARD SHALL ADOPT RULES OF PROCEDURE FOR CONDUCTING ITS BUSINESS.**

**109.2 Limitations on authority. AN APPLICATION FOR APPEAL SHALL BE BASED ON A CLAIM THAT THE TRUE INTENT OF THIS CODE OR THE RULES LEGALLY ADOPTED THEREUNDER HAVE BEEN INCORRECTLY INTERPRETED, THE PROVISIONS OF THIS CODE DO NOT FULLY APPLY, OR AN EQUALLY GOOD OR BETTER FORM OF CONSTRUCTION IS PROPOSED. THE BOARD OF APPEALS SHALL HAVE NO AUTHORITY RELATIVE TO THE INTERPRETATION OF THE ADMINISTRATIVE PROVISIONS OF THIS CODE NOR SHALL THE BOARD BE EMPOWERED TO WAIVE REQUIREMENTS OF THIS CODE.**

**109.3 Qualifications. THERE SHALL BE AND IS HEREBY CREATED A BOARD OF APPEALS, WHICH SHALL BE KNOWN AS THE BOARD OF REVIEW, CONSISTING OF FIVE MEMBERS WHO ARE QUALIFIED BY EXPERIENCE AND TRAINING TO PASS UPON MATTERS PERTAINING TO BUILDING CONSTRUCTION.**

**THE BUILDING OFFICIAL SHALL BE AN EX-OFFICIO MEMBER AND SHALL ACT AS SECRETARY OF THE BOARD. THE BOARD OF REVIEW SHALL BE APPOINTED AND THEIR TERM OF OFFICE SHALL BE SET BY THE BOARD OF COUNTY COMMISSIONERS OF WHICH AT LEAST A TERM OF ONE MEMBER SHALL EXPIRE EACH YEAR.**

**ANY MEMBER OF THE BOARD MAY BE REMOVED FOR CAUSE BY THE BOARD OF COUNTY COMMISSIONERS UPON WRITTEN CHARGES AND AFTER A PUBLIC HEARING. VACANCIES SHALL BE FILLED FOR THE UNEXPIRED TERM IN THE SAME MANNER AS IN THE CASE OF ORIGINAL APPOINTMENTS.**

**THE BOARD OF APPEALS SHALL HAVE JURISDICTION TO DECIDE ANY APPEAL FROM THE BUILDING OFFICIAL IF THE DECISION OF THE BUILDING OFFICIAL CONCERNS SUITABLE OR ALTERNATIVE MATERIALS, METHODS OF CONSTRUCTION, OR A REASONALBE INTERPRETATION OF THE CODE.**

**BOARD OF APPEALS SHALL NOT HEAR APPEALS WITH REGARD TO LIFE-SAFETY ITEMS.**

**THE FIRST ORDER OF BUSINESS AT ANY HEARING AT THE BOARD OF APPEALS SHALL BE TO DETERMINE IF IT HAS JURISDICTION TO HEAR THE APPEAL.**

**ANY APPEAL TO THE BOARD OF APPEALS SHALL BE PRECEDED BY A WRITTEN APPEAL TO THE BUILDING OFFICIAL, WHO SHALL REPLY IN WRITING. THE DECISION OF THE BUILDING OFFICIAL MAY BE APPEALED TO THE BOARD OF APPEALS BY SERVING UPON THE SECRETARY OF THE BOARD OF APPEALS, WITHIN TEN DAYS FROM THE DATE OF THE DECISION OF THE BUILDING OFFICIAL, A NOTICE OF APPEAL TO THE BUILDING OFFICIAL AND A COPY OF THE BUILDING OFFICIAL'S DECISION.**

**A NOTICE OF APPEAL SHALL BE ACCOMPANIED BY A FEE OF \$250.00.**

Section 202 is amended by adding the following definition within the alphabetical order of the existing definitions.

**FIRE DEPARTMENT.** The chief officer of East Grand, Granby, Grand Lake, Hot Sulphur Springs and Kremmling fire protection districts, or the chief officer's authorized representative.

**PERSON.** A natural person or any individual, partnership, corporation, association, company or other public or corporate body, including the federal government, and includes any political subdivision, agency, **INSTRUMENTALITY,** or corporation of the state or the United States government. Singular includes plural, male includes female.

Section 303.3 is amended to read as follows:

**303.3 Prohibited locations.** Appliances shall not be located in sleeping rooms, bathrooms, toilet rooms, storage closets or surgical rooms, or in a space that opens only into such rooms or spaces, except where the installation complies with one of the following:

- ~~5.~~ 1. The *appliance* is a direct-vent *appliance* installed in accordance with the conditions of the listing and the manufacturer's instructions.
- ~~6.~~ 2. Vented room heaters, wall furnaces, vented decorative appliances, vented gas fireplaces, vented gas fireplace heaters and decorative appliances for installation in vented solid fuel-burning fireplaces are installed in rooms that meet the required volume criteria of Section 304.5.
- ~~7.~~ ~~A single wall mounted unvented room heater is installed in a bathroom and such unvented room heater is equipped as specified in Section 621.6 and has an input rating not greater than 6,000 Btu/h. The bathroom shall meet the volume criteria of Section 304.5.~~
- ~~8.~~ ~~A single wall mounted unvented room heater is installed in a bedroom and such unvented room heater is equipped as specified in Section 621.6 and has an input rating not greater than 10,000 Btu/h. the bedroom shall meet the required volume criteria of Section 304.5.~~
9. 3. The *appliance* is installed in a room or space that opens only into a bedroom or bathroom, and such room or space is used for no other purpose and is provided with a solid weather-stripped door equipped with an *approved* self-closing device. All *combustion air* shall be taken directly from the outdoors in accordance with Section 304.6.

Section 303 is amended by adding a new subsection to read as follows:

**303.8 LP-GAS APPLIANCE IN PIT OR BASEMENT. LIQUEFIED PETROLEUM GAS PIPING MAY SERVE A GAS APPLIANCE LOCATED IN A PIT, BASEMENT OR SIMILAR LOCATION WHEN ALL OF THE FOLLOWING CONDITIONS ARE MET:**

- 1. THERE SHALL BE INSTALLED A LISTED GAS DETECTOR THAT IS INTERLOCKED TO A LISTED SOLENOID VALVE LOCATED SO AS TO SHUT OFF THE SUPPLY OF GAS TO THE BUILDING IN THE EVENT OF AN ALARM.**
- 2. THERE SHALL BE INSTALLED AN EXHAUST SYSTEM FOR THE**

**PURPOSE OF REMOVING UNBURNED GASES. THE EXHAUST SYSTEM SHALL BE INTERLOCKED TO THE GAS DETECTOR SO AS TO OPERATE AUTOMATICALLY IN THE EVENT OF AN ALARM. THE EXHAUST SYSTEM SHALL PROVIDE A MINIMUM OF FOUR (4) AIR CHANGES PER HOUR AND THE EXHAUST INTAKE SHALL BE LOCATED WITHIN 6 INCHES OF THE FLOOR.**

Section 406.4.1 is amended to read as follows:

**406.4.1 Test pressure.** The test pressure to be used shall be no less than 1-1/2 times the proposed maximum working pressure, but not less than ~~3~~ **10** psig irrespective of design pressure. Where the test pressure exceeds 125 psig, the test pressure shall not exceed a value that produces a hoop stress in the piping greater than 50 percent of the specified minimum yield strength of the pipe.

Section 501.8 is amended to read as follows:

**501.8 Equipment not required to be vented.** The following appliances shall not be required to be vented.

1. Ranges.
2. Built-in domestic cooking units *listed* and marked for optional venting.
3. Hot plates and laundry stoves.
4. Type 1 clothes dryers (Type 1 clothes dryers shall be exhausted in accordance with the requirements of Section 614.)
5. A single booster type automatic instantaneous water heater, where designed and used solely for the sanitizing rinse requirements of a dishwashing machine, provided that the heater is installed in a commercial kitchen having a mechanical exhaust system. Where installed in this manner, the draft hood, if required, shall be in place and unaltered and the draft hood *outlet* shall be not less than 36 inches vertically and 6 inches horizontally from any surface other than the heater.
6. Refrigerators.
7. Counter appliances.
- ~~8. Room heaters *listed* for unvented use.~~
- 98.** Direct-fired make-up air heaters.
- ~~109.~~ Other equipment *listed* for unvented use and not provided with flue collars.
- ~~110.~~ Specialized equipment of limited input such as laboratory burners and gas lights.

Where the appliances and equipment listed in items 1 through ~~11~~ **10** above are installed so that the aggregate input rating exceeds 20 British thermal units (Btu) per hour per cubic feet of volume of the room or space in which such appliances are installed, one or more shall be provided with venting systems or other *approved* means for conveying the vent gases to the outdoor atmosphere so that the aggregate input rating of the remaining unvented appliances does not exceed

20 Btu per hour per cubic foot. Where the room or space in which the *appliance* is installed is directly connected to another room or space by a doorway, archway or other opening of comparable size that cannot be closed, the volume of such adjacent room or space shall be permitted to be included in the calculations.

Section 506 is amended by adding a new subsection to read as follows:

**506.4 Factory-built chimney enclosures. FACTORY-BUILT CHIMNEYS SHALL BE ENCLOSED WITHIN A CONTINUOUS ENCLOSURE PROTECTED ON THE INTERIOR (CHIMNEY) SIDE BY NOT LESS THAN 5/8 INCH TYPE-X GYPSUM WALLBOARD. JOINTS AND FASTENERS SHALL BE TAPED AND FINISHED.**

**EXCEPTION: THE PORTION OF THE CHIMNEY LOCATED IN THE SAME ROOM AS THE APPLIANCE AND THE PORTION OF THE CHIMNEY ABOVE THE FINISHED ROOF IS NOT REQUIRED TO BE ENCLOSED.**

**FACTORY-BUILT CHIMNEYS SHALL BE EFFECTIVELY FIREBLOCKED WITHIN SUCH ENCLOSURE AT EACH FLOOR-CEILING LEVEL AND AT THE ROOF. THE VERTICAL DISTANCE BETWEEN ADJACENT FIREBLOCKING SHALL NOT EXCEED 10 FEET.**

Section 603.1 is amended to read as follows:

**603.1 General.** ~~Log lighters shall be tested in accordance with CSA 8 and installed in accordance with the manufacturer's installation instructions~~ **ARE PROHIBITED.**

Section 621 is amended to read as follows:

## **SECTION 621 UNVENTED ROOM HEATERS**

**621.1 ~~General~~ PROHIBITED INSTALLATION. INSTALLATION OF UNVENTED ROOM HEATERS AND UNVENTED DECORATIVE ROOM HEATERS IS PROHIBITED.** ~~Unvented room heaters shall be tested in accordance with ANSI Z 21.11.2 and shall be installed in accordance with the conditions of the listing and the manufacturer's installation instructions. Unvented room heaters utilizing fuels other than fuel gas shall be regulated by the *International Mechanical Code*.~~

**~~621.2 Prohibited use.~~** ~~One or more unvented room heaters shall not be used as the sole source of comfort heating in a *dwelling* unit.~~

**621.3 Input rating.** Unvented room heaters shall not have an input rating in excess of 40,000 Btu/h.

**621.4 Prohibited locations.** Unvented room heaters shall not be installed within occupancies in Use Groups A, E and I. The location of unvented room heaters shall also comply with Section 303.3.

**621.5 Room or space volume.** The aggregate input rating of all unvented appliances installed in a room or space shall not exceed 20 Btu/h per cubic foot of volume of such room or space. Where the room or space in which the appliances are installed is directly connected to another room or space by a doorway, archway, or other opening of comparable size that cannot be closed, the volume of such adjacent room or space shall be permitted to be included in the calculations.

**621.6 Oxygen depletion safety system.** Unvented room heaters shall be equipped with an oxygen depletion sensitive safety shutoff system. The system shall shut off the gas supply to the main and pilot burners when the oxygen in the surrounding atmosphere is depleted to the percent concentration specified by the manufacturer, but not lower than 18 percent. The system shall not incorporate field adjustment means capable of changing the set point at which the system acts to shut off the gas supply to the room heater.

**621.7 Unvented decorative room heaters.** An unvented decorative room heater shall not be installed in a factory built *fireplace* unless the *fireplace* system has been specifically tested, *listed* and *labeled* for such use in accordance with UL 127.

**621.7.1 Ventless firebox enclosures.** Ventless firebox enclosures used with unvented decorative room heaters shall be *listed* as complying with ANSI Z21.91.

**2006 INTERNATIONAL ENERGY  
CONSERVATION CODE**

Section 101 is amended to read as follows:

**101.1 Title.** ~~This code~~ **THIS RESOLUTION** shall be known as the *Energy Conservation Code of GRAND COUNTY, COLORADO.* **THIS RESOLUTION SHALL BE KNOWN AS THE “ENERGY CODE”, MAY BE CITED AS SUCH, AND WILL BE REFERRED TO HEREIN AS “THIS CODE”. THIS CODE SHALL APPLY TO ALL OF THE UNINCORPORATED AREA OF GRAND COUNTY, COLORADO**