

**IMPORTANT NOTICE:**

The local Fire District has individual authority to enforce fire code standards beyond the county's requirements. Cooperation and coordination with your local fire district early in the process may prevent costly alterations to your project and ensure compliance with all applicable health and safety standards. [See the Fire District web page for more information >>](#)

**THE 2015 JEFFERSON COUNTY BUILDING CODE SUPPLEMENT**

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## THE 2015 JEFFERSON COUNTY BUILDING CODE SUPPLEMENT

After due consideration, the Jefferson County Board of County Commissioners hereby adopts and promulgates the 2015 International Building Code with this supplement which contains deletions or additions to the 2015 International Building Code. The following items shall be known as the 2015 Jefferson County Building Code Supplement. The adopted 2015 International Building Code with this Supplement shall be referred to herein as "this code". This code shall apply to the unincorporated area of Jefferson County.

### SECTION 101 GENERAL

**Delete Section 101.1 in its entirety and add the following:**

**101.1 Title.** These Regulations shall be known as the Jefferson County International Building Code and Supplement, and shall be cited as such and will be referred to herein as "this code".

**Add the following new Sections:**

**101.2.2 Date effective. (a)** This Resolution shall be and is hereby declared to be adopted and in full force and effect, from January 1, 2016 this code shall apply to all *permits* applied for after January 1, 2016. All prior resolutions and building codes previously adopted are hereby repealed and revoked in their entirety as to *permits* applied for after January 1, 2016.

#### **NOTICE:**

**(b) ALL BUILDING PERMITS, INCLUDING BUT NOT LIMITED TO, ELECTRICAL, MECHANICAL, PLUMBING, ROOFING AND SIDING PERMITS, ISSUED THROUGH THE JEFFERSON COUNTY DIVISION OF BUILDING SAFETY PRIOR TO AUGUST 19, 1980, EXPIRED DECEMBER 31, 2000**

**101.2.3 Standards.** Whenever any State law or regulation imposes higher standards than are required by this code, the higher standards of that law or regulation shall govern. Whenever the standards imposed by this code are higher than the standards imposed by any other law or regulation or resolution of any governmental body, then the standards of this code shall govern.

**101.4.3 Plumbing. The last sentence is deleted and add the following sentence:** Private sewage disposal systems are regulated by the Jefferson County Public Health Department.

**Delete Section 101.4.4 (Property Maintenance) in its entirety.**

**101.4.5 Fire Prevention. Add the following sentence:** The provisions of the International Fire Code are not adopted herein and the International Fire Codes must be enforced by the Local Fire Districts having authority.

**Delete Section 101.4.6 (Energy) in its entirety and substitute as follows:**

**101.4.6 Energy.** The provisions of the 2009 International Energy Conservation Code shall apply to all matters governing the design and construction of buildings and energy efficiency.

**Add the following Section:**

**101.4.8 Electrical.** The provisions of the Electrical Code (NFPA-70) adopted by Jefferson County shall apply to the installation of electrical systems, including alterations, repairs, replacement, equipment, appliances, fixtures, fittings and appurtenances thereto.

## **SECTION 102 APPLICABILITY**

**Delete Section 102.6 (Existing structures) in its entirety and substitute 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.

## **SECTION 104 DUTIES AND POWERS OF BUILDING OFFICIAL**

**Add the following Section:**

**104.7.1 Records.** The *building official* shall keep an accurate account of all fees and other monies collected or received under this code, the names of the persons upon whose account the same were paid, the date and amount thereof, together with the location of the building or premises to which they relate.

**Delete Section 104.10.1 (Flood Hazard Areas) in its entirety and substitute as follows:**

**104.10.1 Flood Hazard Areas:** The *building official* shall not grant modifications to any provisions of this code for property in the Floodplain Overlay District if not in compliance with the Floodplain Overlay District zoning and all other County regulations.

**Delete Section 104.11 (Alternative materials) and substitute as follows:**

**104.11 Alternative materials, design and methods of construction and equipment for specific permits.** The provisions of this code are not intended to prevent the installation of any material or to prohibit any design or method of construction not specifically prescribed by this code, provided that any such alternative has been *approved* by the *building official*. An alternative material, design or method of construction for a specific *permit* may be *approved* on a case-by-case basis where the *building official* finds that the proposed design is satisfactory and complies with the intent of the provisions of this code, and that the material, method or work offered is, for the limited purpose intended, at least the equivalent of that prescribed in this code in quality, strength, effectiveness, fire resistance, durability and safety. This Section does not give the *building official* the authority to allow the usage of alternative material design and methods of construction on an ongoing basis

**104.11.1 Research reports.** Supporting data, where necessary to assist in the approval of materials or assemblies not specifically provided for in this code, shall consist of valid research reports from *approved* sources.

**104.11.2 Tests.** Whenever there is insufficient evidence of compliance with the provisions of this code, or evidence that a material or method does not conform to the requirements of this code, or in order to substantiate claims for alternative materials or methods, the *building official* shall have the authority to require tests as evidence of compliance to be made at no expense to the jurisdiction. Test methods shall be as specified in this code or by other recognized test standards. In the absence of recognized and accepted test methods, the *building official* shall approve the testing procedures. Tests shall be performed by an *approved* agency. Reports of such tests shall be retained by the *building official* for the period required for retention of public records.

## SECTION 105 PERMITS

**105.2 Work exempt from a permit. Add the following paragraph:**

Work exempted from requiring a building *permit* does not preclude any required approval from the Planning and Zoning Division. Unless otherwise exempted by this code, separate plumbing, electrical, and mechanical *permits* will be required for the exempted items. 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 resolutions of this jurisdiction.

**Building:**

**105.2 Modify the following exempted items to 105.2**

Item 1. One-story, detached accessory structures provided the floor area does not exceed 200 square feet, the building height does not exceed 14 feet and the horizontal roof area does not exceed 264 square feet.

Item 2. Fences.

Item 4. Retaining walls not part of a building foundation.

Item 5. Tanks.

Item 6. Decks that are not more than 30 inches above the grade plane.

All items not referenced above shall remain the same

### **105.3 Application for permit. Add the following:**

8. A completed Move and Set Pre-Inspection Form (provided by the division) shall be submitted to the Division of Building Safety prior to applying for a Move and Set *permit*. The original seal and signature of a Colorado Registered Professional Engineer will be required unless waived by the Division of Building Safety.

### **105.5 Expiration. Add the following paragraph:**

*Permits* having a valuation of less than \$100,000 shall expire one (1) year after date of issuance unless voided for suspension, abandonment or failure to commence the work as provided above. *Permits* having a valuation of \$100,000 or more shall expire two (2) years after date of issuance unless voided for suspension, abandonment or failure to commence the work. The *building official* may extend the expiration date for a period not exceeding 180 days upon request by the applicant showing that circumstances beyond the control of the applicant have prevented action from being taken. In order to renew action on a *permit* after expiration, the permittee may pay a new full *permit* fee, except the *building official* may authorize one-half the new fee where all rough inspections have been completed under the expired *permit*.

### **Add the following Section:**

**105.8 Transfer or cancellation of permits.** An unexpired *permit* may be cancelled or transferred from one party to another upon written application to the *building official*, by the original permittee or owner of the property, provided no inspections have been made and there is no change in the *construction documents* and specifications. If any inspections have been completed on the original *permit*, the new permittee shall pay one-half of a new *permit* fee so determined by the *building official*. No change will be made in the expiration date of the original *permit*.

## **SECTION 107 SUBMITTAL DOCUMENTS**

### **Add the following Sections:**

**107.1.1 Responsibility for preparation of construction documents.** *Construction documents for permits* are to be prepared, designed, and stamped by an engineer or architect licensed in the State of Colorado unless waived by the *building official* due to a finding by the *building official* that this requirement is not necessary for compliance with this code due to the nature of the work proposed. This requirement shall apply for submittals which include, but are not limited to:

1. All foundations.
2. Wall or roof framing, other than standard construction, not conforming to the requirements of Chapters 16 and 23.
3. Confirmation of beam sizes and spans, loading, or any structural element affecting the integrity of the building is required.
4. All building construction documents.

**107.2.1 Information on construction documents. Add the following sentence:**

The first sheet of each set of *construction documents* shall give the exact locations of the work to be done and the name of the person who prepared such *construction documents*.

**107.3.3 Phased approval. Add the following paragraph:**

When the Division of Building Safety has issued a *permit* for construction of part of a building or structure, as provided above, and the County adopts a new building code, the Division of Building Safety may issue the *permits* for the remaining portion of the building or structure under the provisions and requirements of the code in effect at the time the first *permit* was issued, if the remaining *permits* are issued within one (1) year of the adoption of the new code.

## **SECTION 108 TEMPORARY STRUCTURES AND USES**

**Delete Section 108.3 (Temporary power) in its entirety and substitute as follows:**

**108.3 Temporary power.** The *building official* is authorized to give permission to temporarily supply and use power in a portion of an electrical installation before such installation has been fully completed and the final electrical inspection has been *approved*. The portion of the installation covered by the temporary power shall comply with the requirements specified for temporary lighting, heat or power in the Electrical Code.

## **SECTION 109 FEES**

**Delete Section 109.2. in its entirety and substitute as follows:**

**109.2 Schedule of permit fees.** A fee for each building *permit* shall be paid to the *building official* as set forth in Table 1-A. The determination of value or valuation under any of the provisions of this code shall be made by the *building official*. The value to be used in computing the building *permit* and building plan review fees shall be the total value of all construction work for which the *permit* is issued. All Division of Building Safety fees which contain a fraction of a dollar will be rounded up to the next highest dollar.

**109.3 Building permit valuations. Add the following paragraph:**

The applicant for a *permit* shall provide an estimated value of all the work to be performed including mechanical, electrical, and plumbing at time of application. Final building *permit* valuation shall be as determined by the *building official*. Valuation may be based on the adjusted annual average cost of construction as published in the "Buildings Safety Journal" by the International Code Council.

**Delete Section 109.4 (Work commencing before permit issuance) in its entirety and substitute as follows:**

**109.4 Investigation Fee.** Any person who commences any work on a building, structure, electrical, gas, mechanical or plumbing system before obtaining the necessary *permits*, or is in violation of the *approved construction documents*, shall be subject to an investigation fee unless waived by the *building official*. The investigation fee shall be in addition to the required *permit* fee, shall be equal to the *permit* fee, and shall be collected whether or not a *permit* is then or subsequently issued.

**Add the following Sections:**

**109.5.1 Plan review fee.** When documents are required by Section 107, a plan review fee shall be charged on all *permits*. This fee may be required at time of submittal of the documents for plan review. Said plan review fee shall be 65 percent of the building *permit* fee as shown in Table 1-A.

The plan review fees specified in this Section are separate fees from the *permit* fees specified in Section 109.2 and are in addition to the *permit* fees.

When submitted documents are incomplete or changed so as to require additional plan review or when the project involves deferred submittal items as defined in **Section 107.3.4.1**, an additional plan review fee shall be charged at the rate shown in Table 1-A.

**109.5.2 Expiration of plan review.** Applications for which no *permit* is issued within 180 days following the date of application shall expire by limitation, and *construction documents* and other data submitted for review may thereafter be returned to the applicant or destroyed by the *building official*. The *building official* may extend the time for action by the applicant for a period not exceeding an additional 180 days upon request by the applicant showing that circumstances beyond the control of the applicant have prevented action from being taken. No application may be extended more than

once. In order to renew action on an application after expiration, the applicant shall resubmit plans and pay a new plan review fee.

## **109.6 Refunds. Add the following Sections**

**109.6.1 Refund processing fee.** There shall be a minimum \$45 fee for processing any refund unless waived by the *building official*. All refunds must be requested on the Refund Request Form provided by the Division of Building Safety. The *building official* may authorize the refunding of any fee paid hereunder which was erroneously paid or collected.

**109.6.2 Fee refund application.** The *building official* may not authorize the refunding of any fee paid except upon written application (provided by the division) filed by the original permittee not later than sixty (60) days after the date of the fee payment.

**109.7 Reinspection fees.** A reinspection fee may be assessed for each inspection or reinspection when such portion of work for which inspection is called is not complete or when required corrections are not made.

Reinspection fees may be assessed when the inspection record card is not posted or otherwise available on the work site, when the *approved construction documents* are not readily available to the inspector, for failure to provide access on the date for which inspection is requested, for deviating from *construction documents* requiring the approval of the *building official* or for failure to post a readily visible address.

To obtain a reinspection, the applicant shall pay the reinspection fee in accordance with Table 1-A. In instances where reinspection fees have been assessed, no additional inspection of the work shall be performed until the required fees have been paid.

## BUILDING PERMIT FEES

**Table 1-A**

TOTAL VALUATION	FEE
\$1 to \$1,000	\$55
\$1,001 to \$2,000	\$70
\$2,001 to \$40,000	\$69 for the first \$2,000 plus \$11 for each additional \$1,000 or fraction thereof, to and including \$40,000
\$40,001 to \$100,000	\$487 for the first \$40,000 plus \$9 for each additional \$1,000 or fraction thereof, to and including \$100,000
\$100,001 to \$500,000	\$1,027 for the first \$100,000 plus \$7 for each additional \$1,000 or fraction thereof, to and including \$500,000
\$500,001 to \$1,000,000	\$3,827 for the first \$500,000 plus \$5 for each additional \$1,000 or fraction thereof, to and including \$1,000,000
\$1,000,001 to \$5,000,000	\$6,327 for the first \$1,000,000 plus \$3 for each additional \$1,000 or fraction thereof, to and including \$5,000,000
\$5,000,001 and over	\$18,327 for the first \$5,000,000 plus \$1 for each additional \$1,000 or fraction thereof
<b>Other Fees and Charges:</b>	
1. Inspections outside of normal business hours.....	\$100 per hour* (Minimum Charge -- two hours)
2. Reinspection fees assessed under provisions of Section 109.4.1.....	\$100 per hour*
3. Inspections for which no fee is specifically indicated .....	\$100 per hour*
4. Additional plan review required by changes, additions or revisions.....	\$100 per hour*
5. For use of outside consultants for plan checking and inspections, or both.....	Actual Cost**
6. For issuance of each temporary certificate of occupancy .....	\$750***
7. Demolition Permits .....	\$30

### Other Fees

- \* Or the total hourly cost to the jurisdiction, whichever is the greatest. The cost shall include supervision, overhead, equipment, hourly wages and fringe benefits of the employees involved.
- \*\* Actual costs include administrative and overhead costs and any additional costs incurred by the jurisdiction.
- \*\*\* \$500 shall be refunded if a certificate of occupancy is issued prior to the expiration of the temporary certificate of occupancy.

## SECTION 110 INSPECTIONS

**Delete Section 110 (Inspections) in its entirety and substitute as follows:**

**110.1 General.** Construction or work for which a *permit* is required shall be subject to inspection by the *building official* and such construction or work shall remain accessible and exposed for inspection purposes until *approved*. Approval as a result of an inspection shall not be construed to be an approval of a violation of the provisions of this

code or of other ordinances of the jurisdiction or implied guarantee. Inspections presuming to give authority to violate or cancel the provisions of this code or of other ordinances of the jurisdiction shall not be valid. It shall be the duty of the *permit* applicant to cause the work to remain accessible and exposed for inspection purposes. Neither the *building official* nor the jurisdiction shall be liable for expense entailed in the removal or replacement of any material required to allow inspection.

**110.2 Building Permit Inspection Card.** Work requiring a *permit* shall not be commenced until the *permit* holder or his agent shall have posted a Permit Inspection Card in a conspicuous place on the premises and in a position as to allow the *building official* to make the required entries conveniently thereon regarding inspection of the work. This card shall be maintained in such position by the *permit* holder until all inspections have been made and final approval has been granted by the *building official*. No permanent electrical meters will be released until the card has all required signatures and is returned to the Division of Building Safety for verification.

The address of the building site must be posted in a conspicuous place readily visible from the public road.

**110.3 Required inspections.** The following inspections are required and the *building official*, upon notification, shall make the inspections set forth in Sections 110.3.1 through 110.3.9.

**110.3.1 Footing inspections.** Footing inspections shall be made after trenches are excavated, forms erected and reinforcing steel, if any, placed and before any footings are poured.

**110.3.1.1 Drilled pier inspections.** Drilled pier inspections shall be made while the piers are being drilled. The engineer of record or his authorized representative shall be present during the drilling operations and be available to the County building inspector during required inspections per Appendix Chapter X.

**110.3.1.2 Foundation wall inspections.** Foundation wall inspections shall be made after the footings or piers have been poured. The foundation walls shall be formed and reinforcing steel and void material in place prior to inspection.

**110.3.1.3 Concrete encased electrode (Ufer) observation.** Concrete encased electrode (Ufer) observation shall be made prior to concrete placement surrounding Ufer. Refer to Article 250.52 (A) (3) of the Electrical Code.

**110.3.2 Structural concrete slab or under-floor inspection.** Concrete slab and under-floor inspections shall be made after in-slab or under-floor reinforcing steel and building service equipment, conduit, piping accessories and other ancillary equipment items are in place, but before any concrete is placed or floor sheathing installed, including the subfloor.

**110.3.2.1 Building sheathing inspection.** A building sheathing inspection shall be made after all sheathing is installed and fastened per *approved construction documents* and prior to concealment.

**110.3.3 Midroof inspection.** A midroof inspection shall be required when the roof is at least 10 percent but not more than 25 percent completed. It shall be the applicant's duty to provide reasonable and safe access to all portions of the roof for both mid-roof and final inspections. The inspector has the authority to make the determination for what is reasonable and safe.

**110.3.4 Plumbing, mechanical, gas and electrical systems inspection.** Rough inspection of plumbing, mechanical, gas and electrical systems shall be made prior to covering or concealment, before fixtures or *appliances* are set or installed, and prior to framing inspection.

**Exception:** Backfilling of ground-source heat pump loop systems tested in accordance with Section M2105.1 prior to inspection shall be permitted.

**110.3.5 Frame inspection.** Framing inspections shall be made after the roof deck or sheathing, all framing, fire blocking and bracing are in place and pipes, chimneys and vents to be concealed are complete and the rough electrical, plumbing, heating, wires, pipes and ducts inspections are *approved*.

**110.3.6 Lath or 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.

**110.3.6.1 Fire-resistant penetrations.** Protection of joints and penetrations in fire-resistance-rated assemblies shall not be concealed from view until inspected and *approved*.

**110.3.7 Other inspections.** In addition to the inspections specified above, the *building official* is authorized to make or require other inspections of any construction work to ascertain compliance with the provisions of this code and other laws or regulations that are enforced by the Division of Building Safety.

**110.3.8 Special inspections.** For special inspections, see Section 901.5. and Chapter 17 of the 2015 International Building Code.

**110.3.9 Final inspection.** The final inspection shall be made after all work required by the building *permit* is completed.

**110.4 Inspection Agencies.** The *building official* is authorized to accept reports of *approved* inspection agencies, provided such agencies satisfy the requirements as to qualifications and reliability as determined by the *building official*.

**110.5 Inspection requests.** It shall be the duty of the holder of the *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 inspections of such work that are required by this code.

**110.6 Approval Required.** Work shall not be done beyond the point indicated in each successive inspection without first obtaining the approval of the *building official*. The *building official*, upon notification, shall make the requested inspections and shall either indicate the portion of the construction that is satisfactory as completed, or shall notify the *permit* holder or an agent of the *permit* holder wherein the same fails to comply with this code. Any portions that do not comply shall be corrected and such portion shall not be covered or concealed until authorized by the *building official*.

## **SECTION 111 CERTIFICATE OF OCCUPANCY**

**Delete Section 111.3 (Temporary occupancy) in its entirety and substitute 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. There will be a fee for a temporary certificate of occupancy as set forth in Table 1-A.

**Delete Section 113 (Board of Appeals) in its entirety and substitute as follow:**

## **SECTION 113 BOARD OF REVIEW**

**113.1 General.** A Board of Review is hereby established, the members of which shall be appointed by the Board of County Commissioners. The word "Board" when used in this Section shall be construed to mean Board of Review. The Board shall consist of three (3) members and two (2) alternate members. In the absence or abstention of a regular member an alternate member shall vote as a regular member. The members serving on the Board at the adoption of this code shall be retained and considered as reappointed to the Board for the length of terms which they were serving. All subsequent regular members of the Board shall be appointed for three (3) year terms respectively, except that the alternate members shall be appointed for a one (1) year term. All members shall be appointed so that at least the term of one member will expire each year. Vacancies shall be appointed for the balance of the term of the person replaced. Members of the Board shall be experienced in building practices and shall be chosen to be representative of both building design and construction fields. The Board shall, at its first regular meeting of each year, select a chairman, vice-

chairman, and a secretary. The secretary may or may not be a member of the Board. Each of these officers shall perform the duties customarily performed by such officers.

In all cases, a decision of the Board will require a vote of not less than two (2) members of the Board in favor of such decision. Each vote shall be entered as a matter of record in the proceedings of the Board meetings. The Board shall hold meetings as required and such meetings shall be open to the public. It shall keep complete minutes and records on all proceedings.

**113.2 Power of the Board. The Board shall have the following powers:**

**113.2.1** The Board may adopt substantive rules and regulations considered necessary for an effective, harmonious procedure at these meetings, not inconsistent with the code. In no case shall said rules or regulations become effective unless a public hearing thereon has been conducted by the Board, after notice of the hearing has been given setting forth the time and place of such hearing. The notice shall also include the time and place where the proposed rules and regulations may be inspected prior to the hearing.

**113.2.2** The Board may hear and decide upon appeal, where it is alleged by the appellant that there is a point of dispute with regard to any order, requirement, decision, or determination made by an administrative official or agency based on or made in the enforcement of this code. In the execution of this power, the Board may modify, change, or reverse the decision of the *building official*.

**113.2.3** The Board, in appropriate cases and subject to appropriate principles, standards, rules, conditions, and safeguards set forth in the International Building Code, may grant special exceptions to the International Building Code in harmony with the general intent and purpose of the code. The board shall have no authority to waive requirements of this code.

**113.2.4** In order to recognize changes in building materials and construction, the Board shall, at the request of the *building official*, review the code. At its discretion, the Board may recommend to the Board of County Commissioners amendments to the code. Upon request by the *building official*, special methods of design, methods of construction, and materials not covered by the code may be *approved* by the Board if within the intent and general purposes of the code.

**113.2.5** Appeals from decisions of the *building official* shall be filed not less than seven (7) days prior to a Board of Review hearing to appear on the agenda for that meeting. Appeals must be in writing, on forms prescribed by the Board of Review. Such forms shall be available in the *building official's* office. The form shall contain the name and address of the person appealing the decision of the *building official*; the name and address of the premises involved; and the reason why the person appealing believes the decision of the *building official* is in error. Three (3) copies of the appeal shall be filed, one of which shall be given to the *building official*, one of which shall be

permanently filed with the Board of Review, and one which shall be placed in the building *permit* file.

**113.2.6** All applications for an appeal of a decision of the *building official* or for a special exception shall be signed by the owner of the property or be accompanied by a power-of-attorney from the owner.

**113.2.7** No application or appeal dismissed or denied can be considered again, except: (a) on a motion to reconsider the vote; or (b) on a request for rehearing. No request to grant a rehearing will be entered unless new evidence is submitted which would not have been with due diligence, presented at the previous hearing.

**113.2.8** The Board may, on a motion by any member, review any decision that it has made and may reverse or modify such decision, but no such review shall prejudice the right of any person who has, in good faith, acted thereon before the ruling is reversed or modified.

**113.2.9** If a second or special hearing is granted by the Board, a fee of \$250 shall be paid by the appellant at the time of filing.

**Delete Section 116 (Unsafe Structures and Equipment) in its entirety.**

## **SECTION 202 DEFINITIONS**

**Section 202 Delete the definition Building Official.**

**202 Add the following definition: Building official.** The officer or other designated authority charged with the administration and enforcement of this code, or a duly authorized representative. Code official and building official shall be equivalent and interchangeable terms.

## **SECTION 901 GENERAL**

**Add the following Section:**

**901.5.1 Special inspector required.** All fire protection systems required by this chapter shall be inspected and approved by a special inspector. The inspector shall be an employee of the Fire District having jurisdiction or another qualified individual with prior approval of the *building official*. Inspections and approvals will be regulated under Chapter 17 of this code.

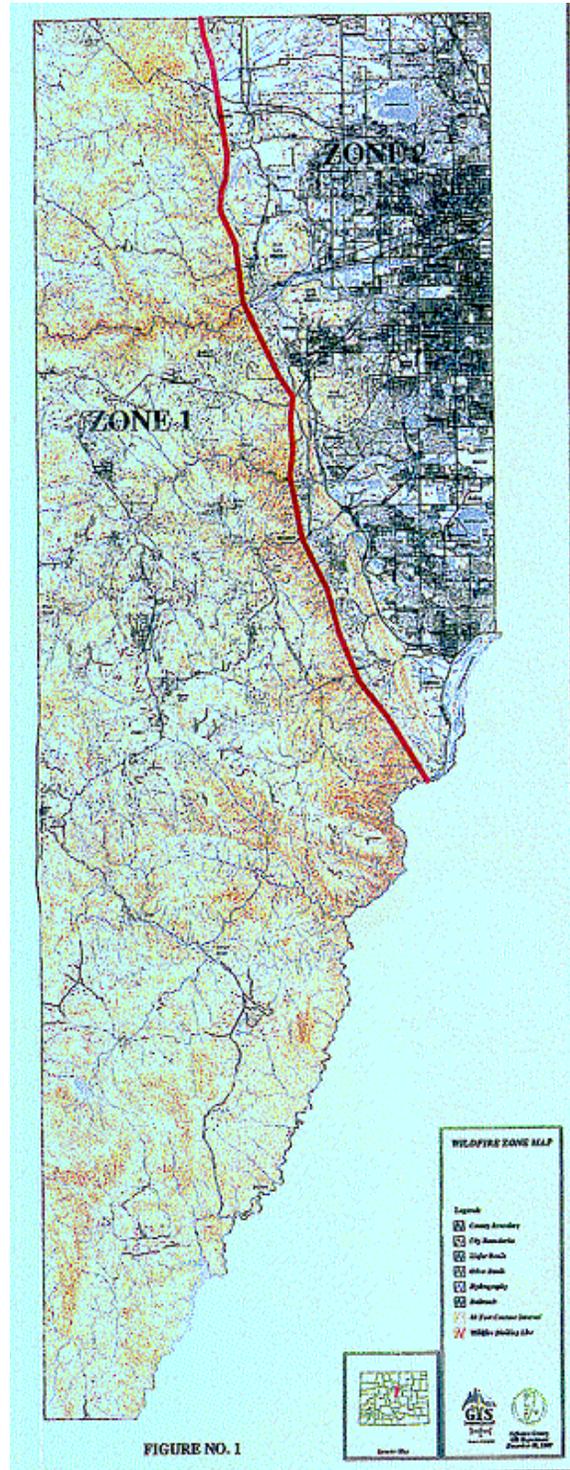
## WILDFIRE ZONE MAP

The Wildfire Zone line generally follows what is called the "mountain front," which is a line connecting the average Eastern-most points on the 6400 foot contour line of the U.S.G.S. topographic maps.

The State Forest Service concurs that this line indicates the predominant change from plain to mountain topography. The canyons are within the Wildfire Zone 1 because of the chimney-effect of the terrain.

The location of the Wildfire Zone Line recognizes vegetation, slope, fire department accessibility, water supply, response time and infrastructure.

This line has been imposed on the Jefferson County Base Map to divide the County into two Wildfire Zones as described in Chapter 15 of the Jefferson County Supplement to the 2015 International Building Code.



## SECTION 1505 FIRE CLASSIFICATION

### **Add the following Sections:**

**1505.1.1 Wildfire Zones defined.** For the purpose of this code, the unincorporated portion of Jefferson County is divided into Wildfire Zones which shall be known and designated as Wildfire Zones 1 and 2. The Wildfire Zones shall include such territory or portions of the unincorporated County as shown in Figure No. 1, the Wildfire Zone Map, which is attached to and incorporated into this chapter by this reference and is located in this Supplement. For sites close to the dividing line, a larger scale map is available in the Planning and Zoning Division for determining within which Wildfire Zone a property is located.

**1505.1.2 Buildings located in more than one Wildfire Zone.** A building or structure which is located partly in one Wildfire Zone and partly in another shall be considered to be in the Wildfire Zone in which more than one-third of its total floor area is located.

**1505.1.3 Moved buildings.** Any building or structure moved within or into any Wildfire Zone shall be made to comply with all the requirements for new buildings in that Wildfire Zone.

### **1505.1.4 Restrictions in Wildfire Zone 1.**

**1505.1.4.1 General.** Buildings hereafter erected, constructed, enlarged, altered, repaired or moved into Wildfire Zone 1 shall comply with the following:

**1505.1.4.2 Roof coverings, material Zone 1.** Except where Section 1505 and Table 1505.1 require greater protection, *roof coverings* for new buildings or structures or additions thereto or *roof coverings* utilized for re-roofing shall be Class A in accordance with Section 1505.2

### **1505.1.5 Restrictions in Wildfire Zone 2.**

**1505.1.5.1 General.** Buildings hereafter erected, constructed, enlarged, altered, repaired or moved into Wildfire Zone 2 shall comply with the following:

**1505.1.5.2 Roof coverings, material Zone 2.** Except where Section 1505 and Table 1505.1 require greater protection, *roof coverings* for new buildings, structures or additions, *roof coverings* utilized for re-roofing shall be Class A, Class B or Class C, or any other *roof covering* permitted by this code.

### **Add the following to Section 1511.1:**

**1511.1.1 Re-roofing:** Any *roof repair* of more than 2 squares requires a *permit*.

**Add the following to Section 1511.3.1.1 Roof Recover Exceptions**

4. Where the *roof covering* is Asphalt Shingles.

**SECTION 1608  
SNOW LOADS**

**Delete Section 1608.1 (General) in its entirety and substitute as follows:**

**1608.1 General.** Design snow loads shall be determined in accordance with Chapter 7 of ASCE 7, but the design roof load shall not be less than determined by Table 1608.

**1608.2 Ground snow loads. Add the following Table 1608:**

**SNOW LOAD TABLE  
Minimum Roof and Ground Snow Load 30 PSF**

**TABLE 1608**

Elevation	Ground Snow Load (p.s.f.)	Roof Snow Load (p.s.f.)	Elevation	Ground Snow Load (p.s.f.)	Roof Snow Load (p.s.f.)
<6,500	43	30	8,000	82	57
6,500	43	30	8,125	86	60
6,625	46	32	8,250	89	62
6,750	49	34	8,375	93	65
6,875	51	36	8,500	97	68
7,000	54	38	8,625	102	71
7,125	57	40	8,750	106	74
7,250	60	42	8,875	109	76
7,375	64	45	10,000	152	106
7,500	67	47	10,125	156	109
7,625	70	49	10,250	162	113
7,750	74	52	10,275	167	117
7,875	77	54	10,500	172	120

**Add the following Section:**

**1609.3.2 Jefferson County wind speed design criteria.** Jefferson County wind speed design criteria shall be:

Basic wind speed: 100 mph Exposure B  
Ultimate Wind Speed: 129 mph Exposure B

**Exception:** Rocky Mountain Metropolitan Airport area between Simms St. and Wadsworth Blvd. and north of 108th Ave shall be:

Basic wind speed 120 mph Exposure C  
Ultimate Wind Speed 155 Exposure C

**SECTION 1612  
FLOOD LOADS**

**Section 1612.1 General. Add the following sentence:**

Planning and Zoning Division approval required pursuant to other County regulations.

**Delete the first two sentences of Section 1612.3 (Establishment of flood hazard areas) and replace as follows:**

**Section 1612.3 Establishment of flood hazard areas.** Jefferson County has adopted the Floodplain Overlay District which is incorporated herein.

**SECTION 1803  
GEOTECHNICAL INVESTIGATIONS**

**Add the following Section:**

**1803.7 Design criteria for Designated Dipping Bedrock Area.**

**Note:** The Designated Dipping Bedrock Area is determined by the Planning and Zoning Division.

**Piers:**

Minimum pier length of 25 feet when bedrock is shallower than 19 feet below surface grade. For piers designed for support in bedrock, minimum 6 foot penetration into bedrock is required.

Minimum pier diameter of 10 inches

Minimum 1.5% steel area (Grade 60) = 1.18 square inches on 10 inch diameter pier = (2) #7 Grade 60 bars in 10 inch diameter pier

Pier steel should extend into top row of wall steel.

## **Foundation Walls:**

Designed for minimum 50 p.c.f. equivalent fluid pressure when house penetrates bedrock or when soils adjacent to basement swell greater than 4% at 1000 pound surcharge or 5% at 500 pound surcharge. Higher minimum equivalent fluid pressures should be used if geotechnical report indicates.

Structural basement floor required if bedrock is encountered within 6 feet of basement floor or when soils within 6 feet swell greater than 4% at 1000 pound surcharge or 5% at 500 pound surcharge. Adjustable teleposts must be used at intermediate structural floor support.

No wall with a lateral surcharge on only one side shall be greater than 25 feet in length without counterfort or buttress.

Minimum 6 inch foundation voids should be used when bedrock is encountered within 6 feet of basement or when soils within 6 feet of basement swell greater than 4% at 1000 pound surcharge or 5% at 500 pound surcharge.

## **Drainage and Grading:**

A foundation drain and sump pit shall be installed in all buildings unless exempted by this code or a design engineer. If the sump pit is the sole discharge system used, an operational pump must be installed with adequate surface discharge or discharge into positive sloped pipe to an underdrain. If the sump pit is used as a backup to an underdrain connection, a pump is not required.

Foundation drains shall have a minimum 1% fall with the low point at the discharge connection.

## **SECTION 2111 MASONRY FIREPLACES**

### **Add the following Section:**

#### **2111.1.1 New Fireplaces**

Every new *fireplace* shall have permanently installed either:

1. *Approved* gas logs;
2. Other *approved* gas or alcohol specific appliances;
3. An *approved* solid fuel appliance insert meeting the most stringent emission standards for wood stoves established under Colorado statute and/or regulations promulgated by the Colorado Air Quality Control Commission (AQCC) as of the time of installation of the *fireplace*; or
4. A solid fuel burning device which is classified as exempt from and not eligible for certification under U.S. Environmental Agency (U.S. EPA) regulation 40 CFR part 40 subpart AAA for wood stoves but has been tested by an accredited testing

agency to demonstrate its emission performance is in accordance with criteria and procedures not less stringent than those required by the U.S. EPA and/or AQCC for wood stoves manufactured after July 1, 1990, subject to the following:

- (a) Emission performance approval of the solid fuel burning device shall be based upon test results that demonstrate to the Jefferson County Division of Building Safety's satisfaction that the solid fuel burning device meets the emission performance requirements of the U.S. EPA and/or AQCC for wood stoves manufactured after July 1, 1990. (Effective January 1, 1991 - CC90-617.)

**THE JEFFERSON COUNTY SUPPLEMENT  
to  
THE 2015 INTERNATIONAL FUEL GAS CODE**

After due consideration, the Jefferson County Board of County Commissioners hereby adopts and promulgates the 2015 International Fuel Gas Code with this supplement which contains deletions or additions to the 2015 International Fuel Gas Code. The following items shall be known as the 2015 Jefferson County Fuel Gas Code Supplement. The adopted 2015 International Fuel Gas Code with this Supplement shall be referred to herein as “this code”. This code shall apply to the unincorporated area of Jefferson County.

**Delete Section 103.1 (General) in its entirety and substitute as follows:**

**103.1 General.** The official in charge of the Division of Building Safety shall be known as the *building official*. *Code official* and *building official* shall be equivalent and interchangeable terms.

**Delete Section 103.2 (Appointment) in its entirety.**

**Delete Section 106.6.2 (Permit Fees) in its entirety and substitute as follows:**

**106.6.2 Permit Fees.** The following Fee Table is to be used to determine the permit fees for all fuel gas *permits* issued for work not in conjunction with an active building *permit*.

<b>FEE TABLE</b>	
<b>VALUATION OF WORK</b>	<b>PERMIT FEE</b>
Not more than \$2,000	\$45
More than \$2,000 but not more than \$50,000	\$16 per each \$1,000 valuation or fraction thereof
More than \$50,000 but not more than \$500,000	\$150 plus \$13 per each \$1,000 valuation or fraction thereof
More than \$500,000	\$650 plus \$12 per each \$1,000 valuation or fraction thereof

**Delete Section 106.6.3 (Fee refunds) in its entirety and substitute as follows:**

**106.6.3 Fee refunds.** There shall be a minimum \$45 fee for processing any refund unless waived by the *code official*. All refunds must be requested on the Refund Request Form provided by the Division of Building Safety. The *code official* may authorize the refunding of any fee paid hereunder which was erroneously paid or collected.

**106.6.3.1 Fee refund application.** The *code official* may not authorize the refunding of any fee paid except upon written application (provided by the division) filed by the original permittee not later than sixty (60) days after the date of the fee payment.

**Section 202 Delete the definition Code Official.**

**202 Add the following definition: Code official.** The officer or other designated authority charged with the administration and enforcement of this code, or a duly authorized representative. Code official and building official shall be equivalent and interchangeable terms.

**303.3 Prohibited location. Delete exceptions numbered 3 and 4.**

**304.11 Combustion air ducts, Item 2 Add the following sentence:** Combustion air ducts shall terminate within 4 feet of the appliance served.

**Delete Section 404.12.1 (Individual outside appliances) in its entirety.**

**Delete Section 406.4.1 (Test pressure) in its entirety and substitute as follows:**

**406.4.1 Test pressure.** The test pressure to be used shall be not less than one and one-half (1.5) times the proposed maximum working pressure, but not less than 10 psig (30 kPa gauge), irrespective of design pressure. Where the test pressure exceeds 125 psig (862 kPa gauge,) 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.

**503.8 Venting system termination location. Add the following item:**

6. Vent systems shall terminate no closer than ten (10) feet from the property line or other building on the same lot.

**601 .1 Scope. Add the following sentence:**

*Approved* gas logs shall be installed in new solid fuel burning *fireplaces* when required by Sections 2111.1.1 of the International Building Code as amended effective January 1, 2016.

**Delete Section 621 (Unvented room heaters) in its entirety and substitute as follows:**

**Section 621.1 Prohibited.** Unvented room heaters are prohibited.

**THE JEFFERSON COUNTY SUPPLEMENT  
to  
THE 2015 INTERNATIONAL PLUMBING CODE**

After due consideration, the Jefferson County Board of County Commissioners hereby adopts and promulgates the 2015 International Plumbing Code with this supplement which contains deletions or additions to the 2015 International Plumbing Code. The following items shall be known as the 2015 Jefferson County Plumbing Code Supplement. The adopted 2015 International Plumbing Code with this Supplement shall be referred to herein as “this code”. This code shall apply to the unincorporated area of Jefferson County.

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, the more restrictive shall apply.

**Delete Section 103.1 (General) in its entirety and substitute as follows:**

**103.1 General.** The official in charge of the Division of Building Safety shall be known as the *building official*. *Code official* and *building official* shall be equivalent and interchangeable terms.

**Delete Section 103.2 (Appointment) in its entirety.**

**Delete Section 106.6.2 (Permit Fees) in its entirety and substitute as follows:**

**106.6.2 Permit Fees.** The following Fee Table is to be used to determine the *permit* fees for all mechanical *permits* issued for work not in conjunction with an active building *permit*.

<b>FEE TABLE</b>	
<b>VALUATION OF WORK</b>	<b>PERMIT FEE</b>
Not more than \$2,000	\$45
More than \$2,000 but not more than \$50,000	\$16 per each \$1,000 valuation or fraction thereof
More than \$50,000 but not more than \$500,000	\$150 plus \$13 per each \$1,000 valuation or fraction thereof
More than \$500,000	\$650 plus \$12 per each \$1,000 valuation or fraction thereof

**Delete Section 106.6.3 (Fee refunds) in its entirety and substitute as follows:**

**106.6.3 Fee refunds.** There shall be a minimum \$45 fee for processing any refund unless waived by the *code official*. All refunds must be requested on the Refund Request Form provided by the Division of Building Safety. The *code official* may authorize the refunding of any fee paid hereunder which was erroneously paid or collected.

**106.6.3.1 Fee refund application.** The *code official* may not authorize the refunding of any fee paid except upon written application (provided by the division) filed by the original permittee not later than sixty (60) days after the date of the fee payment.

**Delete Section 305.4. (Sewer depth) in its entirety and substitute as follows:**

**305.4.1 Sewer depth.** *Building sewers* that connect to private sewage disposal systems shall be a minimum of 12 inches below finished grade at the point of septic tank connection. *Building sewers* shall be a minimum of 12 inches below grade.

**Delete Section 712.3.3.1 (Materials) in its entirety.**

**Add the following Section:**

**Delete Section 903.1 (Roof extension) in its entirety and substitute as follows**

**903.1 Roof extension.** All open vent pipes which extend through a roof shall be terminated at least 6 inches above the roof or 6 inches above the anticipated snow accumulation, except where a roof is to be used for any purpose other than weather protection, the vent extensions shall run at least 7 feet above the roof.

**1003.6 Clothes washer discharge interceptor. Add Exception:**

**Exception 3:** Domestic washers in commercial applications.

**The following Appendix Chapters to the International Plumbing Code, 2015 Edition, are hereby adopted and enforced by Jefferson County, Colorado.** No other International Plumbing Code appendix chapters are adopted. The International Private Sewage Disposal Code is not adopted.

**Appendix Chapter B:** Rates of Rainfall for Various Cities

**Appendix Chapter C:** Structural Safety

**Appendix Chapter D:** Degree Day and Design Temperatures

**Appendix Chapter E:** Sizing of Water Piping System

**THE JEFFERSON COUNTY SUPPLEMENT  
to  
THE 2015 INTERNATIONAL MECHANICAL CODE**

After due consideration, the Jefferson County Board of County Commissioners hereby adopts and promulgates the 2015 International Mechanical Code with this supplement which contains deletions or additions to the 2015 International Mechanical Code. The following items shall be known as the 2015 Jefferson County Mechanical Code Supplement. The adopted 2015 International Mechanical Code with this Supplement shall be referred to herein as “this code”. This code shall apply to the unincorporated area of Jefferson County.

**Delete Section 103.1 (General) in its entirety and substitute as follows:**

**103.1 General.** The official in charge of the Division of Building Safety shall be known as the *building official*. *Code official* and *building official* shall be equivalent and interchangeable terms.

**Delete Section 103.2 (Appointment) in its entirety.**

**Delete Section 106.5.2 (Permit Fees) in its entirety and substitute as follows:**

**106.5.2 Permit Fees.** The following Fee Table is to be used to determine the *permit* fees for all mechanical *permits* issued for work not in conjunction with an active building *permit*.

<b>FEE TABLE</b>	
<b>VALUATION OF WORK</b>	<b>PERMIT FEE</b>
Not more than \$2,000	\$45
More than \$2,000 but not more than \$50,000	\$16 per each \$1,000 valuation or fraction thereof
More than \$50,000 but not more than \$500,000	\$150 plus \$13 per each \$1,000 valuation or fraction thereof
More than \$500,000	\$650 plus \$12 per each \$1,000 valuation or fraction thereof

**Delete Section 106.5.3 (Fee refunds) in its entirety and substitute as follows:**

**106.5.3 Fee refunds.** There shall be a minimum \$45 fee for processing any refund unless waived by the *code official*. All refunds must be requested on the Refund Request Form provided by the Division of Building Safety. The *code official* may authorize the refunding of any fee paid hereunder which was erroneously paid or collected.

**106.5.3.1 Fee refund application.** The *code official* may not authorize the refunding of any fee paid except upon written application (provided by the division) filed by the original permittee not later than sixty (60) days after the date of the fee payment.

**903.1 General. Add the following sentence:** Every new installation of a *solid fuel-burning appliance*, vented decorative *appliance* or *room heater* shall meet the most stringent emission standards for woodstoves established under Colorado statute and/or regulations promulgated by the Colorado Air Quality Control Commission as of the time of installation of the *appliance* or *room heater* and see also Section 2111.1.1 **New Fireplaces** in the 2015 Jefferson County Supplement to the 2015 International Building Code.

**THE JEFFERSON COUNTY SUPPLEMENT  
to  
THE NATIONAL ELECTRICAL CODE**

After due consideration, the Jefferson County Board of County Commissioners hereby adopts and promulgates the 2014 National Electrical Code with this supplement which contains deletions or additions to the 2014 National Electrical Code. The following items shall be known as the 2014 National Electrical Code Supplement. The adopted 2014 National Electrical Code with this Supplement shall be referred to herein as “this code” or “the Electrical Code”. This code shall apply to the unincorporated area of Jefferson County.

The Board also adopts any modifications to or newer version of the National Electrical Code (NFPA-70), which may from time to time be adopted by the Colorado Electrical Board pursuant to Section 12-23-104 C.R.S.

The following amendments to the Administrative Code Provisions for the National Electrical Code are hereby adopted:

**Permit fees.** The following Fee Table shall determine the *permit* fees for all Electrical *permits* issued for work not in conjunction with an active building *permit*.

<b>FEE TABLE</b>	
<b>VALUATION OF WORK</b>	<b>PERMIT FEE</b>
Not more than \$2,000	\$45
More than \$2,000 but not more than \$50,000	\$16 per each \$1,000 valuation or fraction thereof
More than \$50,000 but not more than \$500,000	\$150 plus \$13 per each \$1,000 valuation or fraction thereof
More than \$500,000	\$650 plus \$12 per each \$1,000 valuation or fraction thereof

**The following amendments to the Electrical Code (NFPA-70) are hereby adopted.**

**Article 210.52 Dwelling Unit Receptacle Outlets**

**(B) Small Appliances**

**(1) Receptacle Outlets Served**

**Add the following sentence to the end of the first paragraph:**

Such circuits, whether two or more are used, shall have no other outlets and shall be limited to a maximum of four (4) outlets per circuit.

## **REQUIREMENTS FOR THE 2009 INTERNATIONAL ENERGY CONSERVATION CODE**

After due consideration, the Jefferson County Board of County Commissioners hereby adopts and promulgates the 2009 International Energy Conservation Code with this supplement without additions or deletions to the 2009 International Energy Conservation Code. The adopted 2009 International Energy Conservation Code with this Supplement shall be referred to herein as “this code”. This code shall apply to the unincorporated area of Jefferson County.

**THE JEFFERSON COUNTY SUPPLEMENT**  
**to**  
**THE 2015 INTERNATIONAL EXISTING BUILDING CODE**

After due consideration, the Jefferson County Board of County Commissioners hereby adopts and promulgates the 2015 International Existing Building Code with this supplement which contains deletions or additions to the 2015 International Existing Building Code. The following items shall be known as the 2015 Jefferson County Existing Building Code Supplement. The adopted 2015 International Existing Building Code with this Supplement shall be referred to herein as “this code”. This code shall apply to the unincorporated area of Jefferson County.

**Delete Chapter 1 (Scope and Administration) in its entirety and substitute as follows:**

**Administration.** The administrative provisions set forth in the 2015 International Building Code and Supplement shall apply except as provided below:

**Delete Section 101.1 (Title) of the International Building Code in its entirety and add the following:**

This code in conjunction with the 2015 International Building Code and the 2015 International Residential Code shall apply to the repair, alteration, change of occupancy, addition and relocation of *existing buildings* as set forth in this code.

**Delete the exception to Section 101.2 (Scope) of the International Building Code.**

## **APPENDIX ADOPTED**

**The following Appendix Chapters are hereby adopted and enforced by the Jefferson County Division of Building Safety:**

**Appendix Chapter C in the 2015 IBC:** Group U – Agricultural Buildings

**Appendix Chapter K in the 2015 IBC:** Administrative Provisions

**Appendix Chapter X in this Supplement:** “Instructions for Completing the Foundation Compliance Form”

**Appendix Chapter Y in this Supplement:** “Unsafe Buildings and Structures”

**No other appendices in the 2015 International Building Code are adopted except as set forth herein.**

## **Appendix Chapter X**

### **Instructions for Completing the Foundation Compliance Form**

*A completed Foundation Compliance Form is required for all foundations designed by an engineer or architect unless waived by the building official.*

1. Section A or B shall be filled out completely and stamped by a professional engineer or licensed architect. (In the case of drilled piers, a professional engineer's stamp is required.) Please refer to the form to determine whether Section A or B is applicable.
2. The form cannot be altered.
3. If a drilled pier foundation is used, drilling logs SHALL be attached.
4. The completed form shall be submitted PRIOR to requesting a final building inspection.
5. Failure to follow these outlined procedures will result in REJECTION of the Foundation Compliance Form and a delay in the final building inspection and/or issuance of the certificate of occupancy.

#### **SITE CONDITIONS/PREPARATIONS**

This Section deals with the general onsite conditions found on the particular property to be inspected. These conditions include, but are not limited to:

Site Vegetation  
Tree Roots  
Lot Cut  
Lot Fill

**Site vegetation:** Foundation excavations shall be inspected for the presence of organic matter and vegetation. Such vegetation includes native grasses, weeds, shrubs and other vegetation. The site shall be void of such materials before the installation of the foundation.

**Tree roots:** The areas of the foundation where concrete will be placed shall be inspected for the presence of roots of trees and shrubs and shall be void of such materials before the installation of the foundation.

**Lot cut and fill:** Cut and fills which may affect the performance of the structure shall be verified to be of a stable configuration and meet the bearing capacity specified in the geotechnical report and foundation design.

**Drainage:** Any site drainage conditions that would require special site preparation or foundation design shall be noted and reported to the design engineer prior to installation of the foundation.

**Other:** The existence of other site conditions specified in the *construction documents* must be verified.

**Tolerances:** Any reference to a "tolerance" means the tolerance which is specified in the accepted *construction documents*.

**Piers/pier holes:** Piers (caissons) shall be inspected within the following parameters.

Number	Alignment
Size	Spacing
Depth	Concrete
Material Penetration	Cap Finish
Groundwater	Reinforcing
Refuse Material	Casings

**Number:** Total number of piers (caissons) shall be identical to pier number specified in design and specifications. Drilling logs shall be provided by the drilling contractor specifying the total number drilled and depth of each.

Inspections shall be made on a minimum of 50% of pier holes. The inspections shall include piers drilled on all levels of excavations, as well as at opposite ends of the excavations (two corners; diagonal.) A sketch showing the location of pier holes shall be attached.

**Size:** Minimum diameter tolerance on piers. Any variation in pier diameter shall be approved by the design engineer and noted on the drill log submitted with the Foundation Compliance Form. Diameter to be measured with steel tape.

**Depth:** Depth shall be per design and specifications and must be measured with steel tape.

**Material penetration:** Piers shall be drilled into bedrock or refusal per design and specifications. Inspection to be made with light and mirror test and onsite evaluation of material brought out of pier hole.

**Groundwater:** Pier holes should be dry at time of inspection. If conditions observed indicate more than 4" of groundwater in any pier hole, the inspector will remain to inspect all caissons and concrete placement.

**Refuse material:** Pier holes should be clean at the bottom and shall be visually inspected.

**Alignment:** Piers are to be straight, plumb, and true and shall be visually inspected. Proper alignment shall be verified at various depths of hole.

**Spacing:** Piers shall be located and spaced properly as per accepted foundation design and specifications.

**Concrete:** Concrete shall be placed and tested per the strength specifications and placement procedures contained in the accepted *construction documents*. Concrete shall be properly cured per the specified *construction documents* and standard engineering practice.

**Cap finish:** The pier cap shall be clean and the same diameter as the piers per accepted foundation design and specification.

**Reinforcing:** Reinforcing in pier shall be per accepted foundation and structural design and specifications.

**Casing:** If water is found in pier hole greater than 4" deep or if cave-in of pier hole sides occurs, design engineer shall specify remedy and should note the remedy on the submitted documentation accompanying the drill log.

## **PIER AND BEAM**

Piers shall be inspected as outlined. Beams shall conform to the following:

Pier union to beam via steel shall be per *construction documents* and design specifications.

Grade beam shall be of proper dimension per design specifications.

Grade beam shall be placed as specified in accepted design and specifications.

The top of drilled piers shall be clean and placed per accepted design specifications to create a uniform pier shaft.

Steel should be continuous with no gaps, except as specified in the accepted *construction documents*.

Steel size and grade shall be per accepted *construction documents* and design specifications.

The pier cap shall be clean and the same diameter as the piers per the accepted specifications.

## **BEAM VOIDS**

Proper void size and material shall be per *construction documents*.

Void material shall be properly placed per specifications in accepted *construction documents*.

Void material shall be in good condition.

Wet or collapsed void material shall be replaced prior to concrete placement or reestablished after forms are removed.

Joints in void material shall be sealed.

All concrete infiltration into void space shall be removed after forms are removed.

## **FOUNDATION WALLS/SPREAD AND PAD FOOTINGS/SLAB-ON-GRADE**

Height, depth, width, length and reinforcing shall be per accepted foundation structural design and specifications.

Steel reinforcing: Reinforcement steel/mesh shall be as specified by accepted foundation and structural design as to size, type and grade. Steel shall be clean and free of loose rust. Any loose rust or scaling shall be removed before concrete placement. The steel/mesh shall be positioned in the center of the slab or as outlined in the accepted *construction documents*.

Foundation drains: Foundation drains to be located and placed as per accepted foundation design and specifications.

The drains shall be inspected to verify the fall specified in the *construction documents*. The daylight or discharge point shall also be inspected to verify positive flow.

**FOUNDATION COMPLIANCE FORM**

Do Not Alter This Form (Please Print Legibly)

JEFFERSON COUNTY DIVISION OF BUILDING SAFETY PERMIT NO. \_\_\_\_\_  
 100 JEFFERSON COUNTY PARKWAY  
 GOLDEN, COLORADO 80419-3540

CONSTRUCTION SITE ADDRESS

CONTRACTOR'S NAME AND ADDRESS

Type of Foundation \_\_\_\_\_ Drilled Piers \_\_\_\_\_ Spread Footings \_\_\_\_\_ Pad and Grade Beam  
 \_\_\_\_\_ Narrow Spread Footings \_\_\_\_\_ Other (Please Specify) \_\_\_\_\_

**FOUNDATION INSPECTION PROCEDURE**

All inspections shall be performed according to the procedures outlined in this Appendix Chapter X, of the 2015 Jefferson County Code Supplement and shall be signed, dated, and stamped by a Colorado Registered Professional Engineer or Colorado Licensed Architect. (Drilled pier foundations shall bear the seal of a Colorado Registered Professional Engineer.) This appendix to the code provides a procedural guideline and is as comprehensive as possible, but cannot account for every possible situation encountered in the field. The guidelines shall be deemed to be the minimum inspection required and do not relieve the engineer or architect from any responsibility to conduct such additional inspections as may be necessary to determine that the foundation conforms to the *construction documents* and specification accepted for construction for the above referenced project. The inspecting engineer/architect is required to consult the design engineer/architect on any unusual condition which may arise on the site. A set of foundation drawings bearing the Jefferson County Stamp shall be on the job site. Any modifications to accepted *construction documents* shall be approved by the design engineer and revised *construction documents* showing those modifications submitted to the Division of Building Safety.

**VERIFICATION OF INSPECTION**

Our representative has inspected the applicable portion of the foundation and subsurface drainage system (where applicable) in accordance with the guidelines set forth in this appendix chapter of the International Building Code. I do hereby verify that the portions inspected were in compliance with the *construction documents* and specifications on file with the Division of Building Safety. However, this verification is not a guarantee as to the overall performance of the foundation system.

Drilling logs for drilled pier foundations SHALL be attached to the Foundation Compliance Form.

Section A may be used if one engineer has completed and is responsible for all the required inspections.

Fill out Section B if **more than one engineer** has completed and is responsible for **all** the required inspections.

**SECTION A**

Type Of Inspection		Dates of Inspections	Seal, Signature & Date
1.	Site Condition / Preparation		
2.	Pier Holes & Piers / Caissons / Footings		
3.	Grade Beams / Foundation Walls / Slab on Grade		
4.	Other:		
5.	Foundation Drains		
Engineer:			
Firm Name:			
Address:			

**SECTION B**

Site Condition Preparation	Dates of Inspections	Seal, Signature & Date
Engineer:		
Firm Name:		
Address:		

Pier Holes & Piers Caissons Spread Footings Pad Footings	Dates of Inspections	Seal & Signature
Engineer:		
Firm Name:		
Address:		

Grade Beams Foundation Walls Slab-on-Grade	Dates of Inspections	Seal & Signature
Engineer:		
Firm Name:		
Address:		

Other : Specify	Dates of Inspections	Seal & Signature
Engineer:		
Firm Name:		
Address:		

Foundation Drains	Dates of Inspections	Seal & Signature
Engineer:		
Firm Name:		
Address:		

NOTE: A completed Foundation Compliance Form shall be submitted and recorded with the Jefferson County Division of Building Safety PRIOR to requesting a final building inspection.

## APPENDIX CHAPTER Y UNSAFE BUILDINGS AND STRUCTURES

### UNSAFE BUILDINGS AND STRUCTURES

**115.1 Unsafe buildings or structures.** All buildings or structures regulated by this code which are structurally unsafe or not provided with adequate egress, or which constitute a distinct fire hazard, or are otherwise dangerous to human life are, for the purpose of this Section, unsafe. Any building or structure constituting a distinct hazard to safety, health or public welfare by reason of inadequate maintenance, dilapidation, obsolescence, fire hazard, disaster, or damage or abandonment is, for the purpose of this Section, unsafe. Parapet walls, cornices, spires towers, tanks, statuary and other appendages or structural members which are supported by, attached to, or a part of a building and which are in deteriorated condition or otherwise unable to sustain the design loads which are specified in this code are hereby designated as unsafe building appendages.

**115.2 Public nuisances.** All such unsafe buildings are hereby declared to be public nuisances and shall be abated by repair, rehabilitation, demolition, or removal in accordance with the procedures specified in this Section.

**115.2.1 Notice to owner.** The *building official* shall examine or cause to be examined every building or structure or portion thereof reported as dangerous or damaged and, if such is found to be an unsafe building as defined in this Section, the *building official* shall give to the owner of such building or structure written notice stating the defects thereof. This notice may require the owner or person in charge of the building premises, within 48 hours, to commence either the required repairs or improvements or demolition and removal of the building or structure or portion thereof, and all such work shall be completed within 90 days from the date of notice unless otherwise stipulated by the *building official*. If necessary, such notice shall also require the building, structure or portion thereof to be vacated forthwith and not reoccupied until the required repairs and improvements are completed, inspected, and *approved* by the *building official*.

If no address can be found for the owner of said property, the notice may be served by publishing a copy of the notice once in a newspaper of general circulation within Jefferson County, setting forth the address of the premises involved, if any, and the legal description of said premises and stating defects complained of and the time in which said defects shall be corrected. Said notice shall be considered served three (3) days after the publication date of said newspaper.

Proper service of such notice shall be by personal service upon the owner of record, or such service may be made upon said owner by certified mail; provided that, if such notice is by certified mail, the designated period within which said owner or persons in charge is required to comply with the order of the *building official* shall begin as of the date he received such notice.

**115.2.2 Posting of signs.** The *building official* shall cause to be posted at each entrance of such building a notice to read: "DANGER, KEEP OUT." THIS STRUCTURE IS UNSAFE FOR OCCUPANCY indicating the condition of the building. Such notice shall not be removed without permission of the *building official* and no person shall enter the building except for the purpose of making the required repairs or demolishing the building as indicated on the notice.

**115.2.3 Right to demolish.** In case the owner shall fail, neglect, or refuse to comply with the notice to repair, rehabilitate, or to demolish and remove said building or structure or portion thereof, the County Commissioners may order the owner of the building prosecuted as a violator of the provisions of the code and may order the *building official* to proceed with the work specified in such notice. A statement of the cost of such work will be transmitted to the County Commissioners who shall cause the same to be paid and levied as a special assessment against the property.

**115.2.4 Costs.** Costs incurred under subsection 115.2.3 shall be paid out of the County general fund. Such costs shall be charged to the owner of the premises involved as a special assessment on the land on which the building or structure is located, and shall be collected in the manner provided for special assessments.