

**CHAFFEE COUNTY
ORDINANCE NO. 2007-01**

TITLE: AN ORDINANCE ADOPTING THE 2006 INTERNATIONAL BUILDING CODE, 2006 INTERNATIONAL RESIDENTIAL CODE, 2005 NATIONAL ELECTRICAL CODE, 2006 INTERNATIONAL FUEL GAS CODE, 2006 INTERNATIONAL MECHANICAL CODE, 2006 INTERNATIONAL PLUMBING CODE, 2006 INTERNATIONAL ENERGY CONSERVATION CODE, 2006 INTERNATIONAL EXISTING BUILDING CODE, VARIOUS AMENDMENTS TO SUCH CODES AND THE PERMIT FEE SCHEDULE.

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

WHEREAS, C.R.S. 30-28-201 authorizes the Board of County Commissioners to adopt ordinances and a building code consistent with the uniform building code, 1988 edition, as promulgated by the international conference of building officials and as revised from time to time, in all or part of the county, and not embraced within the limits of any incorporated city or town. It further authorizes the board of county commissioners to adopt and enforce a building energy code that meets or exceeds the standards in the 2003 version of the international energy conservation code.

WHEREAS, pursuant to Resolution 2002-9 (as amended by Resolutions 2004-62 and 2005-28), the Board of Commissioners of Chaffee County (the "Board") adopted the 2000 International Building Code with amendments, the 2000 International Residential Code with amendments, the 2002 National Electric Code with amendments, and a fee schedule. Pursuant to Resolution 1997-33, the Board adopted the 1997 Uniform Mechanical Code and the 1997 Uniform Plumbing Code.

WHEREAS, the Board has made a thorough study of the 2006 International Building Code, the 2006 International Residential Code, the 2005 National Electrical Code, the 2006 International Fuel Gas Code, the 2006 International Mechanical Code, the 2006 International Plumbing Code, the 2006 International Energy Conservation Code, the 2006 International Existing Building Code, proposed changes to such codes and proposed changes to the building permit fee schedule.

WHEREAS, C.R.S. 30-28-204 authorizes the board of county commissioners from time to time by resolution to alter and amend any county building code after public hearing, notice of which hearing shall be given by at least one publication in a newspaper of general circulation in the county at least fourteen days prior to said hearing.

WHEREAS, public hearings were held on July 17, 2007 and August 7, 2007 (continued to September 4, 2007 and October 2, 2007) following publication of the meetings on July 5, 2007 and July 19, 2007 in the Mountain Mail and the Chaffee County Times, newspapers of general circulation in Chaffee County.

WHEREAS, the Board has requested the input of construction contractors throughout Chaffee County, and the County building department has held meetings for the purpose of obtaining such input.

WHEREAS, the people of Chaffee County have had an opportunity to review the proposed changes to County's Building Code and have had an opportunity to make public comment for or against adoption of the proposed amendment.

WHEREAS, the Board has had an opportunity to review public comments with respect to the proposed changes and finds that publication of notice of the public hearing has been properly published and the requirements have been satisfied with respect to the public hearing.

WHEREAS, the Board has determined that it will better promote the health, safety, and welfare of the citizens of and visitors to Chaffee County if it adopts the proposed changes.

Section 1. Adoption of the 2006 International Building Code. The Board hereby amends the county Building Code by adopting Chapters 1 through 35 and Appendix I of the 2006 International Building Code, published by the International Code Council, Inc., 500 New Jersey Avenue, N.W., Sixth Floor, Washington, D.C. 20001, to have the same force and effect as if set forth herein in every particular; provided however, that such code be amended by the changes set forth on Exhibit A to this Ordinance. The 2000 International Building Code, as adopted by Resolution No. 2002-9 and Amendments to the 2000 International Building Code, as adopted by Resolution No. 2004-62 are hereby repealed.

Section 2. Adoption of the 2006 International Residential Code. The Board hereby amends the county Building Code by adopting Chapters 1 through 43 and Appendices A, B, G, H, J and O of the 2006 International Residential Code, published by the International Code Council, Inc., 500 New Jersey Avenue, N.W., Sixth Floor, Washington, D.C. 20001, to have the same force and effect as if set forth herein in every particular; provided however, that such code be amended by the changes set forth on Exhibit B to this Ordinance. The 2000 International Residential Code, as adopted by Resolution No. 2002-9 and Amendments to the 2000 International Residential Code, as adopted by Resolution Nos. 2004-62 and 2005-28 are hereby repealed.

Section 3. Adoption of the 2005 National Electrical Code. The Board hereby amends the county Building Code by adopting Article 90 and Chapters 1 through 9 of the 2005 National Electrical Code, published by the National Fire Protection Association, Inc., One Batterymatch Park, Quincy, Massachusetts 02169-7471, to have the same force and effect as if set forth herein in every particular; provided however, that such code be amended by the changes set forth on Exhibit C to this Ordinance. The 2002 National Electrical Code, as adopted by Resolution No. 2002-9 is hereby repealed.

Section 4. Adoption of the 2006 International Fuel Gas Code. The Board hereby amends the county Building Code by adopting Chapters 1 through 8 and Appendices A and B of the 2006 International Fuel Gas Code, published by the International Code Council, Inc., 500 New Jersey Avenue, N.W., Sixth Floor, Washington, D.C. 20001, to have the same force and effect as if set forth herein in every particular; provided however, that such code be amended by the changes set forth on Exhibit D to this Ordinance.

Section 5. Adoption of the 2006 International Mechanical Code. The Board hereby amends the county Building Code by adopting Chapters 1 through 15 and Appendix A of the 2006 International Mechanical Code, published by the International Code Council, Inc., 500 New Jersey Avenue, N.W., Sixth Floor, Washington, D.C. 20001, to have the same force and effect as if set forth herein in every particular; provided however, that such code be amended by the changes set forth on Exhibit E. The 1997 Uniform Mechanical Code, as adopted by Resolution No. 1997-33, is hereby repealed.

Section 6. Adoption of the 2006 International Plumbing Code. The Board hereby amends the county Building Code by adopting Chapters 1 through 13 and Appendices C, E and F of the 2006

International Plumbing Code, published by the International Code Council, Inc., 500 New Jersey Avenue, N.W., Sixth Floor, Washington, D.C. 20001, to have the same force and effect as if set forth herein in every particular; provided however, that such code be amended by the changes set forth on Exhibit F to this Ordinance. The 1997 Uniform Plumbing Code, as adopted by Resolution No. 1997-33, is hereby repealed.

Section 7. Adoption of the 2006 International Energy Conservation Code. The Board hereby amends the county Building Code by adopting Chapters 1 through 6 of the 2006 International Energy Conservation Code, published by the International Code Council, Inc., 500 New Jersey Avenue, N.W., Sixth Floor, Washington, D.C. 20001, to have the same force and effect as if set forth herein in every particular; provided however, that such code be amended by the changes set forth on Exhibit G to this Ordinance.

Section 8. Adoption of the 2006 International Existing Building Code. The Board hereby adopts Chapters 1 through 15 and Appendix B, of the 2006 International Existing Building Code, published by the International Code Council, Inc., 500 New Jersey Avenue, N.W., Sixth Floor, Washington, D.C. 20001, to have the same force and effect as if set forth herein in every particular; provided however, that such code be amended by the changes set forth on Exhibit H to this Ordinance.

Section 9. Code Copies. Copies of the above-referenced codes, certified to be true copies, have been and are now on file in the office of the Board of County Commissioners and in the office of the county Building Department and may be inspected by any person interested during normal business hours. The codes as finally adopted shall be available for sale to the public through the office of the county Building Department at a moderate price not to exceed the cost of printing the same.

Section 10. Inspection and Supervision. It shall be unlawful to erect, construct, reconstruct, alter, or change the use of any building or other structure within the unincorporated territory of Chaffee County without obtaining a building permit from the County. The Chief Building Official, appointed by the Board of County Commissioners of Chaffee County, and his designees shall have the duty to enforce all provisions of this Resolution, as well as to receive applications required by these codes, issue permits and furnish the prescribed certificate, to examine the premises for which permits have been issued and to make necessary inspections to see that the provisions of law are complied with and that construction is prosecuted safely. The Chief Building Official and his/her designees are hereby granted the authority to enter on all premises within Chaffee County Colorado for the purposes of carrying out their duties as building officials.

Section 11. Fees. Current fees are set as attached at Exhibit I. The Board retains the authority to amend any and all fees attached at Exhibit I from time to time by Resolution. The fee schedule and permit fees adopted by Resolution 2002-9 are hereby repealed.

Section 12. Building Permit Effective Periods and Extensions (replacing Section 1 of Exhibit A to Resolution 2004-32).

Section 12.01 Notwithstanding provisions in the applicable Building Codes to the contrary, permits issued under the county Building Codes are effective for a period of one year.

Section 12.02 Upon a written request for an extension by the applicant, a permit may be extended for an

additional one year period. Up to two extensions may be requested, provided that in no event may a permit be valid for more than three years, or for more than two years following the adoption of a new version of the applicable building code, whichever is less. For example, if a plumbing permit is issued on February 1, 2004 and a new version of the plumbing code is adopted on May 1, 2004, the maximum date to which the permit can be effective, including extensions, would be May 1, 2006.

Section 12.03 In order to renew action on a permit after expiration, the permittee shall 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.

Section 13. Notice of Building Permit Expirations (replacing Section 2 of Exhibit A to Resolution 2004-32).

Section 13.01 The Department of Building Safety shall endeavor to send by certified letter a Notice of Building Permit Expiration to a property owner 30 days prior to the expiration of a building permit or if there have been no requests for inspection on a building permit for a period of six months. Any failure to comply with this Section shall not result in an extension of a building permit.

Section 13.02 The Notice of Building Permit Expiration shall advise the property owner that if a certificate of occupancy is not obtained, upon expiration of the permit, a letter may be filed and recorded with the Chaffee County Clerk that indicates that structures on the property may not have been inspected by building officials and thus, may not meet past or current building codes and that no building permit for additions to or new structures will be issued unless the current structure is brought up to code or evidence of a prior certificate of occupancy is submitted.

Section 13.03 If a certificate of occupancy is not obtained within 60 days of the expiration of the building permit, the Department of Building Safety shall endeavor to proceed with filing and recording such letter with the Chaffee County Clerk; in addition, the Department of Building Safety and the County may pursue other remedies provided by statute, ordinance or resolution with respect to building code violations, if any. Nothing in this Section shall obligate the County to file such letter or prosecute building code violations nor prevent or limit the County from seeking to remedy building code violations as provided by Colorado law.

Section 14. Modification and Forms. The Chief Building Official shall have the power to modify any of the provisions of the codes hereby adopted upon application in writing by the owner or lessee or his duly authorized agent when there are practical difficulties in the way of carrying out the strict letter of the codes, provided that the spirit of the codes shall be observed, public safety secured and substantial justice done. The particulars of such modification when granted or allowed and the decision of the Chief Building Official shall be entered upon the Department's records and a signed copy shall be furnished to the applicant. The Chief Building Official is authorized to adopt any forms or documents as necessary to implement the provisions of this Resolution and adopted codes.

Section 15. Appeals. An appeal to the Board of Review may be taken by any person aggrieved by his inability to obtain a building permit or certificate or by any County department or representative affected by the grant or refusal of a building permit or certificate. An appeal may be made to the Board of Review from any decision of the Chief Building Official based upon or made in the course of the administration or enforcement of the building code, including without limitation a failure of an inspection or a claim that the provisions of the County's building codes do not apply or the true intent and meaning

of the County's building codes have been misconstrued or wrongly interpreted. See Resolution 2004-31.

Section 16. **Building Code Violations (replacing Section 3 of Exhibit A to Resolution 2004-32).** Building code violations may be remedied as provided by ordinance, resolution, or Colorado statutes.

Section 17. **Validity.** If any part or parts of this ordinance are for any reason held to be invalid such decision shall not affect the validity of remaining portions of this Ordinance. The Board of County Commissioners hereby declares that it would have passed this Ordinance and each part or parts thereof, irrespective of the fact that any one part or parts be declared invalid.

Section 18. **Repealer.** Resolution Nos. 1997-33, 2002-9, 2004-62, and 2005-28 and Exhibit A to Resolution No. 2004-32 are hereby repealed in full. In addition to the resolutions and portions of resolutions specifically repealed by this Ordinance, all resolutions or ordinances, or parts thereof, in conflict with this Ordinance are hereby repealed, provided that this repealer shall not repeal the repealer clauses of such resolution or ordinance nor revive any resolution thereby.

Section 19. **Effective Date.** This Resolution shall be in full force and effect beginning January 1, 2008.

ADOPTED BY THE BOARD OF COUNTY COMMISSIONERS this 2nd day of October 2007.

BOARD OF COUNTY COMMISSIONERS

Tim Glenn, Chairman

Jim Osborne, Commissioner

Jerry Mallett, Commissioner

STATE OF COLORADO)
) ss.
CHAFFEE COUNTY)

ATTEST:

The above is a true and correct record of Ordinance 2007-01 duly and unanimously adopted by the Board of County Commissioners of Chaffee County at a regular meeting, properly noticed and held on October 2, 2007, at least ten days following introduction and reading of the proposed ordinance on July 17, 2007, and publication of the proposed ordinance on July 19, 2007 in the Mountain Mail and the Chaffee County Times.

Chaffee County Clerk

Notice of Adopted Ordinance Published in the Mountain Mail on _____
and the Chaffee County Times on _____

Exhibit A to Ordinance 2007-01
Amendments to the International Building Code

101.1 Add to Section: "... *Building Code of Chaffee County, Colorado...*"

101.4.1 Electrical. Delete Section. Add "*The electric code shall be the National Electrical Code 2005 Edition. For structures built under the provisions of the IRC, the requirements of Part VIII- Electrical shall be equivalent to the NEC. Any references in this code to the ICC Electrical Code shall instead refer to the 2005 NEC.*"

101.4.4 Replace "International Private Sewage Disposal Code" with "*Chaffee County On-site Wastewater Treatment System Regulations.*"

101.4.5 Property Maintenance. Delete section. Add "*All references to provisions of the Property Maintenance Code shall not apply unless specifically adopted by the appropriate governing body.*"

101.4.6 Fire prevention. Delete Section. Add "*The International Fire Code as adopted by the Chaffee County Commissioners shall apply.*"

105.1: Add "*A permit application will not be accepted unless it includes the appropriate approval from agencies or departments governing zoning, water supply, wastewater treatment, and access.*"

105.1.1 Annual Permit. Delete section.

105.1.2 Annual Permit Records. Delete section.

105.2 #5. Add to beginning of clause "*Other than Cisterns for fire and domestic water supply water tanks. . .*"

106.2: Add "*Plans shall also include location of utilities, private well and waste water sites, ditches, rivers, lakes, drainages, slopes greater than 30%, accesses, bridges and road grade.*"

106.3.2. Previous approvals. Delete section.

108.3. Delete Section and replace with "*Valuation shall be established using the procedures outlined in Exhibit I.*"

202 Definitions. Add:

"Design Professional." – Colorado State licensed Architect or Engineer.

"Townhouse." Change to " A single-family dwelling unit constructed in a group of two or more attached units in which each unit extends from the foundation to the roof and with open space on at least two sides. A legal property line shall separate the units along the common walls."

901.1. Scope. Delete section. Add: "*The provisions of this chapter shall specify where fire protection systems are required. The design, installation, and operation of the fire protection systems must be in*

compliance with Colorado State Law.”

901.2 Exception. Replace clause “this code” so that provision reads: “... that such system meets the requirements of ~~this code~~ *the fire official having jurisdiction.*”

1608.2. Ground snow loads. Add “*Snow load shall be determined by the map and table located at Exhibit J.1 and J.2.*”

1609.3 Basic Wind Speed. Replace clause so that provision reads: “Basic wind speeds determined by the local jurisdiction shall be *90 mph for a three second gust.*”

1805.2.1. Delete Section. Add “*Depth of footing for frost protection shall be governed by Exhibit K.*”

2701.1 Scope. Change clause so that provision reads: “... of the *2005 National Electrical Code.*”

3410.2 Applicability. In the insert area, replace bracketed language with “*the effective date of adoption of building codes within the jurisdiction.*”

Exhibit B to Ordinance 2007-01
Amendments to the International Residential Code

Part I - Administrative

R101.1 Insert "...Dwellings of *Chaffee County, Colorado, and...*"

R101.4. Add "*For structures built under the provisions of the IRC, the requirements of Part VIII-Electrical shall be equivalent to the NEC. Any references in this code to the ICC Electrical Code shall instead refer to the 2005 NEC.*"

R102.7: Delete references to "International Property Maintenance Code and the International Fire Code."

R105.1: Add "*A permit application will not be accepted unless it includes the appropriate approval from agencies or departments governing zoning, water supply, wastewater treatment, and access.*"

R105.2 Work exempt from permit. Replace and add as follows:

Building:

1. "... floor area does not exceed ~~420~~ 200 square feet. *No sleeping use is permitted*"
4. "... exceed 2 to 1. *Fire and domestic water cisterns require a cistern permit.*"
5. "... and raised platforms and decks less than 30" above grade."

R105.3.2. Delete Section

R106.2 Add "*Plans shall also include utilities, private well and waste water sites, ditches rivers, lakes, drainages, slopes greater than 30 degrees, access, bridges and road grade.*"

R108.3 Delete section and replace with "*Valuation shall be established using the procedures outlined in Exhibit I.*"

R109.1.1. Foundation Inspection. Add "*After initial pre-pour inspection, the building official may allow photo documentation of corrections for defects in lieu of a re-inspection prior to pour, provided the inspection reports states photo documents will be permitted*"

R110.1

Exceptions. Add:

2. "*Accessory buildings or structures without habitable space or decks, porches, or minor remodels (remodels other than room additions).*"

Part II - Definitions

R202 Definitions.

Add: "*Design Professional.*" – *Colorado State licensed Architect or Engineer.*"

"Townhouse. Change: A single-family dwelling unit constructed in a group of *two* or more attached units in which each unit extends from the foundation to *the* roof and with open space on at least two sides. A legal property line shall separate the units along the common walls."

Part III – Building Planning and Construction

Insert - Table R301.2(1):

Ground Snow Load-see Chaffee County Table

Wind Speed- 90 MPH 3 second gust

Seismic design category- C

Weathering- severe

Frost depth- varies (see Exhibit K)

Termite- none to slight

Winter design temp- (- 16 *Fahrenheit*)

Ice barrier underlayment required- no

Flood hazard- see FEMA maps

Air freezing index- 1166

Mean annual temp- 43.9 *Fahrenheit*

R311.5.3.3. Add to Exceptions:

“3. Interior risers may allow passage of a 6” diameter sphere.”

R312.2. Add to Exceptions

“3. A 6-inch sphere for exterior decks and balconies shall be permitted upon written request and approved by the building official.”

R319.1.4 WOOD COLUMNS. Add to “...wood. *Heavy timber or log columns may be used when approved by the building official.*”

R320 PROTECTION AGAINST TERMITES. Delete section.R322.1 Scope. Change so provision reads “Where there are ~~four~~ *seven* or more...”

R402.1 WOOD FOUNDATIONS. Delete section and add “*Shall be designed by a licensed Design Professional in accordance with IRC Chapter 4 and have prior approval of the building official.*”

Section R403 shall begin with this statement:

“The Chaffee County Minimum Footing/Foundation Requirements (see Exhibit K) shall be used to construct such footings and foundations described in this section or a design professional may use the provisions of this Section to design these elements.”

Section R403.1.4 will include the following exception:

“Exception: Where top soil and vegetation have been removed and soils are stable and included in Group I or II of Table R405.1 footings are not required to be 12” into undisturbed ground.”

Section R404.4.7.1 will include the following exception:

“Exception: ICF walls of detached accessory buildings and garages without habitable space and attached garages with a 1-hour separation from the dwelling unit do not require a thermal barrier.”

R408.4 Add “*An unobstructed pathway from the access to each remote end of the structure must be maintained, in addition to an 18” clearance throughout*

Part V - Mechanical

M1503.1 General. Add “*In spaces where a gas outlet is provided for a range, hoods or down draft vents shall be installed at ranges and shall discharge...*”

Part VI – Fuel Gas

G 2406.2 Add “... except with *prior approval of the Building Official and where...*”

G2411.1 Delete section and add “*As required by E3509.7*”

G2414.5.2 Delete section and add “*Copper tubing, fittings or pipe shall not be installed downstream of the riser.*”

G2415.4 Add “...*Gas piping shall daylight immediately prior to penetrating the foundation.*”

G2427.8 Change so provision reads ‘... The bottom of the vent terminal and air intake shall be located at least “18” above grade.’

Part VII – Plumbing

P2708.1 Delete Exception 2

Part VIII – Electrical

E3501.3 Add “...structure. *Townhomes shall be considered separate structures.*”

E3501.6.2 Service Disconnect Location. Change so provision reads “The service disconnecting means shall be installed at a readily accessible location outside of a building *at the point of entrance* of the service conductors *or at the location of the meter, transformer or pedestal when approved by the AHJ.*”

Exhibit C to Ordinance 2007-01
Amendments to the National Electrical Code

90.8 (C) Add “Electrical plans shall be submitted with the building permit application and shall include service and feeder circuit size and load calculations and identify use of branch circuits to show compliance with the Code.”

230.70 (A)(1) Readily Accessible Location. Change so provision reads “The service disconnecting mean shall be installed at a readily accessible location outside of a building or structure *at the point of entrance of the service conductors or at the location of the meter, transformer, or pedestal when approved by the AHJ.*”

Exhibit D to Ordinance 2007-01
Amendments to the International Fuel Gas Code

101.1 Add "... *Fuel Gas Code of Chaffee County, Colorado...*"

303.3 Prohibited Locations. Add "... except with *prior approval of the building official and where...*"

310.1 Gas Pipe Bonding. Delete section and replace with "*As required by the 2005 National Electrical Code*"

403.5.2 Copper and Brass Tubing. Delete section and replace with "*Copper tubing, fittings or pipe shall not be installed downstream of the riser.*"

404.4 Piping through foundation wall. Add "...*Gas piping shall daylight immediately prior to penetrating the foundation.*"

503.8 3. Change so provision reads "... The bottom of the vent terminal and air intake shall be located at least "*18*" above grade."

Exhibit E to Ordinance 2007-01
Amendments to the International Mechanical Code

101.1 Add "... *Mechanical Code of Chaffee County, Colorado...*"

505.1 Domestic systems. Add "*Where a gas outlet is supplied for domestic ranges and similar appliances, such appliances shall have a means to exhaust fumes and vapors to the outside. Where domestic range hoods and domestic appliances equipped with downdraft exhaust are...*"

Exhibit F to Ordinance 2007-01
Amendments to the International Plumbing Code

101.1 Add "... *Plumbing Code of Chaffee County, Colorado...*"

417.4 Delete Exception 2.

Exhibit G to Ordinance 2007-01
Amendments to the International Energy Conservation Code

101.1 Add "... *Energy Conservation Code of Chaffee County, Colorado...*"

Exhibit H to Ordinance 2007-01
Amendments to the International Existing Building Code

101.1 Add "... *Existing Building Code of Chaffee County, Colorado...*"

Exhibit I to Ordinance 2007-01
Permit Fee Schedule

Permit Fee Schedule

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

$$SQUARE FOOT COST \text{ (per table)} \times GROSS AREA = PROJECT COST$$

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

(<http://www.iccsafe.org/cs/techservices/>). (see Building Valuation Data, page 2 in the PDF Format link)

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

$$SQUARE FOOT COST \text{ (see note above)} \times GROSS AREA = PROJECT COST$$

3. Calculating permit fees for buildings used for storage only and classified as S-1 or S-2 occupancy

When a building is used for an S-1 or S-2 occupancy and one or more of the following trades are omitted from the project a 15% discount for each system shall be deducted from the tabulated value: electrical, mechanical, plumbing and interior finish. The total discount shall not exceed 50% no matter the number of trades omitted.

4. Project Cost Determination for Additions, Alterations, and Repairs. With respect to additions, alterations and repairs, the “Project Cost” shall be determined by the Building Department Alternatively, the project cost may determine the Project Cost using evidence supplied by the applicant, provided such evidence includes material, labor, profit and overhead and the Building Official determines that such evidence reasonably reflects rates in the area at the time of application. A reasonable amount must be estimated for labor, regardless of who is providing the labor.

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

$$PROJECT\ COST \times FEE\ ADJUSTMENT\ FACTOR = PERMIT\ FEE$$

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

6. Fee Adjustment Factor. The Fee Adjustment Factor shall be .006 for projects with R occupancies or accessory uses to an R occupancy and .004 for projects Other than R occupancies.
7. Minimum Building Permit Fee and Trade Permit Fees. The minimum building permit fee shall be \$50.00. Such fee shall also apply to demolition permits. Electrical permits shall have the same fee as applied by the State plus 15%. Fees for plumbing permits shall be the same as the Plumbing Permit Fees on the Examining Board of Plumbers Fiscal Year Fee Schedule applied by the State plus 15%. Fees for mechanical permits shall be the same as the plumbing fees listed on the Examining Board of Plumbers Fiscal Year Fees Schedule applied by the State plus 15%.
8. Outside Review. If the County does not have qualified staff to review certain elements of any application, the Building Department may authorize the review be performed by an outside consultant. The applicant shall be responsible for the actual costs of such review. At the time of determining the need for a consultant, the Building Department shall determine the estimated costs of such review and require a deposit in an amount necessary to cover the estimated costs (including County staff time and expenses) incurred in the review and consideration of the permit application, and shall notify the applicant in writing of such fee and the estimated amount of such permit fee. The review fee may be increased at any time if it is determined by the Building Department that the fee is not sufficient to cover all costs associated with the application. If the actual costs exceed the estimated amount, the applicant shall pay the difference within five working. The Building Department will take no action or will suspend further action on the application until all fees and expenses related to the application review process have been paid. Any portion of the plan review fee submitted by the applicant which is not necessary to cover the cost of processing the application will be reimbursed to the applicant.

**Exhibit J2 to Ordinance 2007-01
Chaffee County Snow Load Table**

Chaffee County

Building Department

Snow Design Load

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

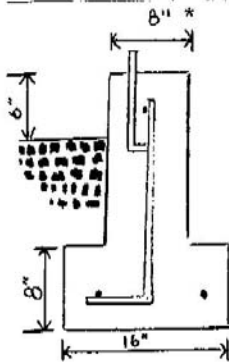
Basic Snow Design Loads
In pounds per square foot

9/23/04

Exhibit K to Ordinance 2007-01

CHAFFEE COUNTY MINIMUM FOOTING/FOUNDATION REQUIREMENTS

Page #1 (See Page 2 for depth and other details)



PERIMETER FOUNDATION

Reinforcement

FOOTING – 2 #4 (½ inch) continuous, lapped 16 inches and bent around corners.

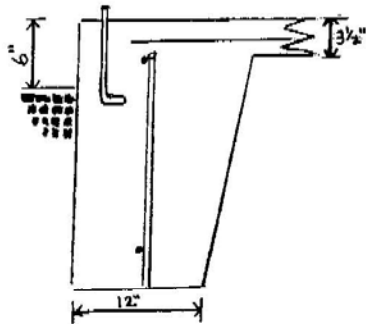
CONCRETE FOUNDATION – Horizontally 1 #4 at 2 Ft. on center
Vertically 1 #3 at 3 Ft. on center

BLOCK FOUNDATION – Horizontally joint reinforcement every other course. Vertically 1 #4 at 3 Ft. on center (32" O.C.)

FOUNDATION BOLTS - ½" Embedded a minimum of 7". Spaced Maximum 6 Ft. on center. One within 12" of each end at sill plate joints (minimum 2 in each sill plate)

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

Rebar minimum #4 2'o.c. each way (with minimum 2 horizontal)



MONOLITHIC FOUNDATION

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

REINFORMENT – Horizontally 2 #4 (½") continuous lapped 16 inches and bent around corners. Provide vertical rebar to support the horizontal rebar in proper position. 6" x 6" welded wire mesh with 6" laps.

FOUNDATION BOLTS – Same as above

PATIO – DECK – CARPORT COLUMN PAD

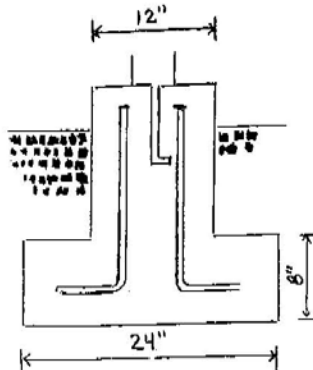
Design may be square or circular

REINFORCEMENT – 2 #4 (½") rebar if connecting two pours together.

Column base or other type of approved connector is needed.

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

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

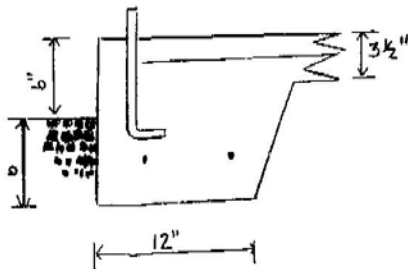


**DETACHED SINGLE STORY ACCESSORY STRUCTURE
UNDER 400 SQUARE FEET**

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

REINFORCEMENT – Horizontally 2 #4 (½") lapped minimum 16" and bent around corners, with 6" x 6" welded wire mesh lapped 6"

FOUNDATION BOLTS – Same as above



Chaffee County Minimum Footing/Foundation Requirements

Page K-2

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

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

All footings adjacent to slopes must comply with applicable code (2006 I.R.C. Section R403 and 2006 I.B.C. Section 1805) and this information must be provided with the application.

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

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

Footing Depth Table

	Percolation more than 4" per hour	Percolation less than 4" per hour	Ground water within 5 ft.	Ground water more than 5 ft.	Under 8000 ft. elevation	Over 8000 ft. elevation
Soil type GW, GP, SW, SP	18"	30"	30"	18"	18"	24"
Other soil type	24"	30"	30"	30"	30"	36"
Percolation more than 4" per hour	X	X	30"	18"	18"	24"
Percolation less than 4" per hour	X	X	30"	30"	30"	36"
Ground water less than 5"	X	X	X	X	30"	36"

The bottom of the footing will need to be placed at the greatest depth that is indicated for your specific site (Table indicates number of inches below finish grade).

For soil type information see 2006 I.R.C. Table R405.1