

ORDINANCE NO. 434

AN ORDINANCE RELATING TO BUILDING, PLUMBING, AND ELECTRICAL CODES, ADOPTING BY REFERENCE THE UNIFORM BUILDING CODE SHORT FORM, 1958 EDITION, PUBLISHED BY THE INTERNATIONAL CONFERENCE OF BUILDING OFFICIALS, 610 SOUTH BROADWAY, LOS ANGELES 14, CALIFORNIA, EXCEPT AS AMENDED, ALTERED, AND AS DELETED HEREIN; THE 1956 NATIONAL ELECTRICAL CODE, STANDARD OF THE NATIONAL BOARD OF FIRE UNDERWRITERS FOR ELECTRICAL WIRING AND APPARATUS AS RECOMMENDED BY THE NATIONAL FIRE PROTECTION ASSOCIATION, AMERICAN STANDARD APPROVED SEPTEMBER 4, 1956, BY AMERICAN STANDARDS ASSOCIATION, PUBLISHED BY THE NATIONAL BOARD OF FIRE UNDERWRITERS, 35 JOHN STREET, NEW YORK 38, NEW YORK, 222 WEST ADAMS STREET, CHICAGO 6, ILLINOIS, AND 465 CALIFORNIA STREET, SAN FRANCISCO 4, CALIFORNIA, NOVEMBER, 1956, EXCEPT AS AMENDED, ALTERED, AND DELETED HEREIN; AND THE COLORADO STATE DEPARTMENT OF PUBLIC HEALTH PLUMBING REGULATIONS, EFFECTIVE OCTOBER 28, 1953, AMENDED JUNE 14, 1954, AND APRIL 9, 1956, AS ISSUED BY THE COLORADO STATE DEPARTMENT OF PUBLIC HEALTH, 414 STATE OFFICE BUILDING, DENVER 2, COLORADO, AND REPEALING ORDINANCE NO. 289 OF THE CITY OF GOLDEN, COLORADO, ADOPTED THE 7th DAY OF SEPTEMBER, 1950.

Section 1. In pursuance of the authority conferred by 139-34-1 through 139-34-8, 1953 Colorado Revised Statutes as amended by the Session Laws of the 1955 Colorado Legislature, this ordinance is hereby enacted for the preservation and promotion of the public health, welfare, and safety of the inhabitants of the City of Golden, and of the public; and for the preservation and promotion of the convenience, good order, tranquility, prosperity and happiness, morals, best interests, and general welfare of said people, and to establish minimum standards of design, materials, and workmanship for all buildings, and structures hereafter erected, altered or repaired, and to establish methods of moving or wrecking of buildings within the City Limits of the City of Golden.

Section 2. That the Uniform Building Code Short Form, 1958 Edition published by the International Conference of Building Officials, 610 South Broadway, Los Angeles 14, California, be adopted by reference as printed in total except as follows:

- A. Add to Section 103 (b) the following:
Chapter 51 of the 1958 Edition of the Uniform Building Code shall apply to buildings within the scope of this Section.
- B. Delete Section 204; replaced by Section 5 of this ordinance.
- C. Add to Section 104 (h) the fol-

lowing: Such buildings shall also comply with the requirements of Ordinance Number 397.

D. Delete the words "or demolish" from Section 301 (a) and add the following: No person, firm, or corporation shall install, construct, reconstruct, repair, extend, remove, or convert any electrical installation within the scope of the National Electrical Code as adopted by Section 3 of this ordinance, without first obtaining an electrical permit for such work from the Building Official. No person, firm, or corporation shall install, construct, reconstruct, repair, extend, remove, or convert any plumbing installation within the scope of the Colorado State Department of Public Health Plumbing Regulations as adopted by Section 4 of this ordinance, without first obtaining a plumbing permit for such work from the Building Official.

E. Add sub-paragraph 8 to Section 301 (b) to read as follows:

8. All provisions of Section 301 (b), and Section 301 (c), except sub-paragraph 5 of Section 301 (b), shall be applicable to application for an electrical permit or a plumbing permit.

E-1. Add to Section 301 (a) the following:

A building permit shall not be required for routine maintenance of an existing building, provided such work complies with Section 104 (g) of this Code. An electrical permit shall not be required for existing installations where defective components of same are replaced, provided such installation substantially complies with the electrical code.

F. Delete Section 301 (c) and replace same to read as follows: (c) Plans and Specifications. With each application for a building permit, or electrical permit, or plumbing permit, and when required by the Building Official for enforcement of any provisions of this Code, two sets of plans and specifications shall be submitted. Said plans and specifications shall bear the seal of an engineer or architect licensed by the State of Colorado, to practice as such; this requirement shall not be applicable to residential buildings containing no more than four dwelling units each nor to Group J occupancies. EXCEPTIONS: When authorized by the Building Official plans and specifications need not be submitted for the following:

1. One-story buildings of construction with an area not exceeding 600 square feet and | or \$5,400.00 valuation.
 2. Small and unimportant work.
- In lieu of above plans and specifications, the applicant may, at the approval of the Building Official, submit a sketch of the floor plan and

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- written explanation of construction to be used.
- G. Delete all of Section 301 (d) except the title and the first sentence and add the following:
Plans shall include the following:
1. Plot plan -- all four setback dimensions -- all walks and driveways, contractors name, owners name, and who prepared drawings.
 2. Footing and foundation plan showing all dimensions and details of columns, bearing partitions, basement room divisions if basement is to be finished.
 3. Access openings, crawl space and attic dimensions.
 4. Floor plans complete with room names, sizes, opening sizes, special items.
 5. Location and ventilation for furnace and hot water heater, ventilation for inside baths, attic and crawl space.
 6. Cross section of house covering approximately 60% of house from exterior into house.
 7. Section showing any unusual structural details such as beam structures and list of finish materials.
 8. Elevations.
 9. Fireplace details.
- In lieu of detailed specifications, the Building Official may approve references on the plans to a specific section or part of this Code or other ordinances.
Computations, stress diagrams, and other data sufficient to show the correctness of the plans, shall be submitted when required by the Building Official.
- H. Add to Section 302 (a) the following:
The Building Official may issue a permit for the construction of part of a building or structure before the entire plans and specifications for the whole building or structure have been submitted or approved provided adequate information and detailed statements have been filed complying with all pertinent requirements of this Code. The holder of such permit shall proceed at his own risk without assurance that the permit for the entire building or structure will be granted.
The application filed by an applicant for an electrical permit or a plumbing permit shall be checked by the Building Official. If the Building Official is satisfied that the work described in an application for permit conforms to the requirements of the electrical or plumbing code and other pertinent laws and ordinances and that the fee specified in Section 303 has been paid, he shall issue a permit therefor to the applicant.
- I. Delete the second paragraph of Section 302 (b).
- J. Delete Table No. 3-A and the last paragraph of Section 303 (a); also delete Section 303 (b); add a new Section 303 (b) and Section 303 (c) to read as follows: Section 303 (a) Building Permit fees. A fee for each building permit shall be paid to the Building Official as set forth in Table No. 3-A.
The determination of value or valuation under any of the provisions of this Code shall be made by the Building Official.
(see tables below)
- K. Delete the first paragraph of Section 304 (b) and add the following in its place (b) Inspection Record Card.
The permit holder or his agent shall post an inspection card in a conspicuous place on the premises and in such position as to allow the Building Official conveniently to make the required entries thereon regarding inspection of the work.
- L. Add to sub-paragraph 2, of Section 304 (d) the following:
Electrical and/or plumbing work, when required, shall be completely "roughed-in".
- M. Delete sub-paragraph 3, of Section 304 (d).
- N. In the ALLEY definition of Section 402, change "sixteen feet" to "twenty feet".
- O. In the FIRE-RESISTIVE CONSTRUCTION definition of Section 407 add the following:
Gypsum wall board may be used for one-hour fire-resistive construction.
- P. In the FRONT OF LOT definition of Section 407, delete "may be either frontage" and all "shall be the narrower dimension of the lot."
- Q. In the STREET definition of Section 416, change "sixteen feet" to "forty feet".
- R. Section 1605 is added, reading as follows: Until such time as a Fire Zone Ordinance is adopted, the entire City of Golden shall be classified as Fire Zone No. 3.
- S. Delete the first paragraph of Section 1902 (b).
- T. In Table 19-A under Section 1902 change the following:
Footing thicknesses of "6 inches" and "7 inches" shall both be changed to "eight inches."
- U. In Table No. 19-A and in Table No. 19-B under Section 1902 change all figures in the last column to "36 inches".
- V. Add to Sections 1903 and 1904 the following: One-story buildings of Group J occupancy shall have a minimum depth of foundation below grade of twelve inches.
- W. Delete Section 1905 (b).
- X. Add to the last sentence of Section 2001 (d) the following: "and Section 2411 of this Code".
- Y. Add to the first paragraph of Section 2306 the following: A water heater installation in a group I occupancy may be vented to an approved common vent manifold of an approved Type "B" gas vent serving a gas furnace if installed in accordance with the additional requirements of this Section.

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TABLE 3-A-BUILDING PERMIT FEES

TOTAL VALUATION	FEE
Less than \$100	No fee
\$100 to & including \$1,000	\$3.00
\$1,001 to & including \$15,000	\$3.00 per each \$1,000 valuation or major fraction thereof.
\$15,001 to \$100,000	\$45.00 plus \$2.00 per each \$1,000 valuation or major fraction thereof over \$15,001.
\$100,001 and over	\$215 plus \$1.00 per each \$1,000 valuation or major fraction thereof over \$100,001.

(b) Electrical Permit Fees. A fee for each electrical permit shall be paid to the Building Official as set forth in Table 3-B.

TABLE No. 3-B- ELECTRICAL PERMIT FEES

WORK	FEE
Change Service Entrance	50c per 200 amps or fraction thereof.
Wiring Motors & Controls (Heater Equipment Circuit)	\$1.50 per inspection
Signs (Neon or incandescent)	\$1.00 each
Transformers & Rectifiers	\$1.50 per bank of ½ KVA
Motors	\$1.00 per first H. P., 15c per add. H. P. per motor (Max. fee \$10.)
Circuits	\$1.00 each
New Service Entrance	\$1.00 per 200 amps or fraction thereof
Temporary Meter	\$1.00
Addition to old work	\$1.00 per each five outlets or fraction thereof.

(c) Plumbing Permit Fee. A fee for each plumbing permit shall be paid to the Building Official as set forth in Table No. 3-C.

TABLE NO. 3-C-PLUMBING PERMIT FEES

WORK	FEE
1 thru 5 fixtures, inclusive	\$3.50
Each additional fixture over 5	\$.50
Inspection where no fixtures are installed	\$1.50

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- Z. The second sentence of Section 2401 is deleted.
- AA. The following is added to the second paragraph of Section 2411: For residential occupancies furring may be of nominal one inch by three inch (1" x 3") size where furring supports are 16 inches or less apart.
- BB. The last sentence of Section 5103 (c) 2 is deleted.
- Section 3. That the 1956 National Electrical Code, Standard of the National Board of Fire Underwriters for Electrical Wiring and Apparatus as recommended by the National Fire Protection Association, American Standard, approved September 4, 1956, by American Standards Association, National Board of Fire Underwriters, 85 John Street, New York 38, New York, 222 West Adams Street, Chicago 6, Illinois, 465 California Street, San Francisco 4, California, be and the same is hereby adopted by reference in total except as follows:
- A. Section 1122 is added to Article 110, reading as follows: Buildings dwellings, and premises shall be wholly and completely wired, equipped, and approved for electrical service before connecting to, or being supplied by, a source of supply of electricity. This provision shall not be applicable to temporary electrical service for buildings under construction; temporary service shall conform to Section 2351-e.
- B. Section 1123 is added to Article 110, reading as follows: All electrical wiring within or on all buildings hereafter erected which are used as a combination of living quarters, and business, commercial, and or industrial establishments, and alterations and additions to such wiring in or on such existing buildings shall be installed in approved metal raceway systems. This provision shall not be applicable to the residential portions of such mixed occupancy in those cases where all of the branch circuits of such living quarters serve only outlets used for such living quarters.
- C. Section 2332 is completely deleted and replaced to read as follows: All electrical service conductors within or on any and all buildings hereafter erected and within or on all existing buildings hereafter altered, extended, revised or remodeled, or in or on which the electrical service is altered, extended, revised, or remodeled shall be installed in rigid metal raceway or in electrical metallic tubing, or metal enclosed bus duct. Such raceways and bus ducts shall extend from the service head to the service entrance switch or switches and shall be of sufficient size for the connected load, but in no case shall such raceways be smaller than two inch trade size, except that for individual occupancies of not over sixteen hundred square feet such raceways shall be not smaller than one and one-fourth inch trade size.
- D. Section 2331 is changed by deleting the following phrase from the first sentence, "in cables approved for the purpose, or".
- E. Add to Section 2337 the following: Service heads shall be located not more than two feet from the point of attachment of the service drop to the building.
- F. The first paragraph of Section 2351 is amended to read as follows: General. Each set of service entrance conductors shall be provided with a readily accessible means of disconnecting all conductors from the source of supply. Service entrance switches or any service equipment shall not be installed within a bathroom, toilet, closet, or cabinet. Such service equipment may be installed in utility rooms, machinery rooms, and storage rooms if a clear space void of all obstacles is provided. All service switches of whatever capacity or potential shall be installed at a location as near the point of entrance of service conductors as may be possible, considering the character of buildings and accessibility in case of fire or other reasons for opening the switch and disconnecting the premises from the source of supply.
- G. Section 2304-a is amended by deleting the last sentence and adding a sub-paragraph "5", reading as follows:
5. All individual residences hereafter erected or all existing individual residences in or on which electrical service is altered, extended, or remodeled shall be served with a minimum of 100 ampere, 3-wire service.
- H. Add to Section 2372 the following: Service entrance conductors shall not be run a distance greater than twenty feet within buildings, unless provided with automatic over-current protection at their outer ends; where automatic over-current protection is not provided at the outer ends, service entrance conductors shall be installed in rigid metal raceway, electrical metallic tubing, or metal enclosed bus duct of a size consistent with the requirements of Section 2332.
- I. Add to Section 2351-a the following: Tie-bars used to connect circuit breakers together shall be of a type designed for and approved for the purpose.
- J. Add to Section 3488 the following: All electrical metallic tubing connectors shall be provided with insulated type when enclosing Number 4 or larger wire bushings unless equivalent protection is provided by approved insulated interiors integral with the connectors.
- K. Add to Section 3468 the following: Locknuts shall be provided both inside and outside all boxes or enclosures to which conduit is attached unless threaded hubs integral with such boxes or enclosures are provided for the purpose.

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L. Change Paragraph "b" of Section 2115, to read ". . . TWO or more 20 ampere branch circuits . . .". Add the following sub-sections: d. Fixed Electrical Appliance Circuits. The following equipment shall be supplied by a separate individual circuit with minimum overcurrent protection, conforming to Section 2122; conductors shall conform to Section 2121.

*Range	230 volts
Water Heater	230 volts
Furnace	115 volts
**Clothes Dryer	230 volts
Bathroom Heater	115 volts
Air Conditioner	230 volts
Dishwasher	115 volts

(when installed with heat unit)

*For ranges where burner unit and oven unit are installed as separate appliances, each shall be wired in a separate individual circuit not less than three No. 10 AWG conductors to each unit.

**Conductor shall not be smaller than Number 6 AWG, overcurrent protection shall conform to Section 2122-b.

e. Other Requirements. No branch circuit shall have a conductor smaller than Number 12 AWG except that part of a lighting circuit which connects a load of less than 10 amperes to a switch may be of Number 14 AWG size. A lighting circuit in dwelling occupancies shall have overcurrent protection in the form of a 15 ampere circuit breaker or 15 ampere non-tamperable fuse: see Section 2403-a. A lighting or general purpose circuit shall serve no more than eight outlets. A utility circuit as defined in Section 2115-b shall serve no more than four outlets; these outlet boxes shall be grounded.

M. Add to Section 2351 the following: f. Underground Service Conductors. Underground service conductors shall have a readily accessible approved means of disconnecting all buried conductors from the source of supply at some point prior to their entry below ground.

N. Add to Section 2357 the following: Individual residences shall have a service switch rating in accordance with Section 2304-a-5.

O. Delete from Section 2371-a-4 and Section 2371-a-3 the phrase: "or six sets of fuses."

P. The provisions of Section 2452 shall be mandatory.

Q. Section 2582 is deleted in its entirety.

Section 4. That the Colorado State Department of Public Health Plumbing Regulations as issued by the Colorado State Department of Public Health, 414 State Office Building, Denver 2, Colo-

rado, effective October 28, 1953, amended June 14, 1954, and April 9, 1956, be and the same is hereby adopted by reference in its entirety.

Section 5. Violation and Penalty. Any person, firm or corporation that violates, disobeys, omits, neglects, or refuses to comply with or resist the enforcements of any of the provisions of the ordinance, upon conviction thereof, shall be fined not less than \$10.00 nor more than \$100.00 for each offense, or by imprisonment not to exceed 90 days. Any building erected, razed, converted or land or premises used in violation of any provision of this ordinance or the requirements thereof, is hereby declared to be a nuisance, and such nuisance may be abated in such manner as nuisances are now or may hereafter be abated under existing law.

Section 6. Ordinance No. 289 of the City of Golden is hereby repealed.

Section 7. That all ordinances or parts of ordinances in conflict herewith are hereby repealed.

Section 8. WHEREAS, in the opinion of the City Council, an emergency exists and this ordinance is necessary for the immediate preservation of the public peace, health and safety, therefore this ordinance shall be in full force and effect upon the expiration of five days from and after its final passage, and publication.

Adopted and approved this 9th day of April, 1959.

CLARK B. CARPENTER
Mayor

Attest:
CLARENCE E. MABB
City Clerk

Approved as to form:
WILLIAM D. JOHNSON
City Attorney

I, CLARENCE E. MABB, City Clerk of the City of Golden, Colorado, do hereby certify that the foregoing ordinance was introduced and read at a regular meeting of the City Council of said City on the 12th day of March, 1959, and by order of said City Council was published as a proposed ordinance as the law directs, and for more than ten days prior to its passage in The Golden Outlook, a legal newspaper; and that on the 9th day of April, 1959, the said proposed ordinance was read and passed by the City Council aforesaid, the said meeting being a regular meeting of said City Council, and ordered published in the aforesaid newspaper as the law directs.

Witness my hand and official seal of the City of Golden, Colorado, this 10th day of April, 1959.

(SEAL)

Attest:
CLARENCE E. MABB
City Clerk of the City of Golden, Colorado.

Published in Golden Outlook April 17, 1959.