

ORDINANCE NO. 812

AN ORDINANCE AMENDING ORDINANCE NO. 479, AS AMENDED, CONCERNING THE ELECTRICAL CODE.

Section 1. That Section 2 of Ordinance No. 479, as amended, shall be and the same is hereby amended so as to read as follows:

Section 2. QUALIFICATIONS OF INSPECTOR. The Electrical Inspector shall be a practical electrician who shall have been actively engaged in such profession for at least five (5) years, or a graduate Electrical Engineer with at least two (2) years of practical experience.

Section 2. Section 4 of Ordinance No. 479, as amended, shall be and the same is hereby amended so as to read as follows:

Section 4. AUTHORIZATION AND POWERS. The Electrical Inspector is hereby authorized, empowered and directed to have general supervision over the arranging, supporting and stringing of all electric light, power, signal or other wires and the location and general construction of all poles, lines and electric appliances, so as to prevent radio interference, fire, accident or injury to persons or property. Further, it shall be the duty of the Electrical Inspector to cause all such lines and equipment to be maintained, insulated and guarded as not to endanger life or property, and all such lines and equipment now existing as well as those hereafter constructed or placed shall be subject to such supervision. All electric lines hereafter constructed shall be in accordance with the rules and standards of the National Electrical Safety Code. Plans for proposed construction must be submitted to the Electrical Inspector for approval before the work is started, in such cases as are deemed necessary by him.

The Inspector or his assistants shall at all times have access to any building, structure or premises, in or on which electrical wiring is being done or in or on which such wiring has been done, or in or on which devices, appliances or wiring cause radio interference; provided that such inspection shall be made at reasonable hours.

The Electrical Inspector is hereby authorized to require the correction of any defects in any electric light, power, or communication installation or use thereof which are not in accordance with the provisions of this Ordinance or which he deems to be dangerous to life or property.

In cases of emergency, when necessary for safety to persons or property, or where electrical equipment may interfere with the work of the fire department, the Electrical Inspector shall have the authority to disconnect or cause the disconnection immediately of any electrical equipment.

Section 3. That Section 7 of Ordinance No. 479, as amended, shall be and the same is hereby repealed.

Section 4. That Section 8 of Ordinance No. 479, as amended, shall be renumbered Section 7 and shall be amended so as to read as follows:

Section 7. LICENSE FOR CONTRACTORS. (a) Any person, firm or corporation engaged in the business of, or desiring to engage in the business of manufacturing electrical equipment, installing electric wires, fixtures, appliances, or appurtenances inside of or on any building or buildings within the corporate limits of the City of Grand Junction, Colorado, shall first secure a license from the City Clerk of said City of Grand Junction, to conduct such business; provided, however, that nothing contained in this section shall apply to a public telephone, telegraph, or messenger call, or power company operating under the regular franchise granted by the City of Grand Junction, installing their own apparatus.

Providing further, that before such license shall be granted said person, firm or corporation, there shall be paid to the City Treasurer, the sum of Twenty-five (\$25.00) Dollars which shall be the annual fee for said license. The Electrical Inspector shall make such examinations or investigations necessary to satisfy himself upon the qualifications of such applicant and report his recommendations in writing to the City Manager.

Such person, firm, or corporation shall also furnish a good and sufficient surety bond to be approved by the City Council, in the sum of One Thousand (\$1,000.00) Dollars, conditioned upon the faithful performance of all things required of them under the provisions of the Ordinances of the City of Grand Junction, Colorado. Said bond to be approved and filed with the City Clerk before issuance of such license.

All labor performed under the provisions of this ordinance must be so performed either by the contractor or a duly qualified journeyman electrician who has previously satisfied the Electrical Inspector as to his qualifications and holds a certificate to that effect. Nothing contained herein shall be construed to prohibit the use of helpers on the work provided such helpers are at all times in subordinate positions and never in responsible charge of any job or work.

(b) Any journeyman electrician or wireman desiring to work under any contractor in the City of Grand Junction, Colorado, must first satisfy the Electrical Inspector by written examination of his qualifications. Each applicant shall pay an examination fee of \$3.00. If the Electrical Inspector is satisfied with the applicant's qualifications, he shall issue a certificate to that effect, to be countersigned by the City Clerk. If he is not satisfied with the applicant's qualifications, he may place any reasonable restrictions upon the kind of work which the applicant may do, and these restrictions shall be stated upon the certificate. Such certificate shall be issued annually, only upon the payment of an annual fee of Five (\$5.00) Dollars to the City Treasurer of the City of Grand Junction.

(c) Nothing contained herein shall be construed to prevent licensed sign contractors, licensed music vendors or licensed heating contractors from installing and

maintaining systems other than 120 volts or 220 volt systems. The rules as provided in the National Electrical Code for such systems shall govern and be enforced.

Section 5. There shall be added to Ordinance No. 479, as amended, a new Section 8 which shall read as follows:

Section 8. LICENSE FOR ELECTRICAL MAINTENANCE. (a) Any person, firm or corporation who regularly maintains an electrical maintenance man or any person who directs, supervises or controls the installation, alteration, repair or maintenance of electrical equipment, wires or apparatus in or about his or his employer's own building, business or properties for his or his employer's own purpose or use shall be required to have an Electrical Maintenance License.

(b) Applicants for a maintenance license shall file with the Electrical Inspector an affidavit setting forth that such applicant is not less than twenty-one (21) years of age and has had not less than four (4) years of experience in the installation, repair, alteration, or maintenance of electrical equipment, wire and apparatus. A certificate of graduation from or an affidavit of attendance at a recognized technical school or college may at the discretion of the Electrical Inspector be credited as all or part of the four (4) years' experience required. In lieu of the foregoing, an applicant shall submit to a written and oral examination and shall pass an average of not less than seventy (70) per cent on such examination. It shall be unlawful for any person holding an electrical maintenance license to supervise or do any electrical work other than the work on his or his employer's building, business or properties.

(c) Persons, firms or corporations holding an Electrical Maintenance License shall keep a written record of all electrical work performed and shall at the end of every sixty (60) days, or oftener, take out permits to cover any and all such extensions or alterations made to their wiring systems or electrical equipment, provided, however, that where electrical wiring is to be concealed the Electrical Inspector shall be notified for inspection before such work is covered. Permits will not be required for minor repair work such as repair of switches, replacing fuses, changing sockets and receptacles, taping bare joints, repairing drop cords, or wiring required for experimental electrical work. Maintenance licenses shall be Ten (\$10.00) Dollars per year and run from January 1st to January 1st. Examination fee shall be Five (\$5.00) Dollars.

Section 6. That Section 10 of Ordinance No. 479, as amended, shall be and the same is hereby amended so as to read as follows:

Section 10. PERMIT FOR WIRING -- APPLICATION. It shall be unlawful for any person, firm or corporation to do electric wiring in or on any building or buildings within the corporate limits of Grand Junction, Colorado, without procuring a wiring permit from the Electrical Inspector for each and every installation. The term "electric wiring" herein used is intended to mean the installation of repair of electric wires, fixtures, appliances or apparatus used or to be used for the purpose of transmitting, regulating, controlling or utilizing electrical current for light, heat or power, except minor repair work such as

repair of flush or snap switches, replacing fuses, changing lamp sockets and receptacles, taping bare joints and repairing drop cords.

In order to procure a permit for the installation of electric wiring, the corporations or individuals shall, before beginning any electrical work, or any additions to old wiring, make written application to the Electrical Inspector on forms furnished for this purpose.

If a permit to do electrical work, where required by this ordinance, is not obtained within twenty-four (24) hours after such work is started, Saturdays, Sundays and holidays excluded, all fees pertaining to the installation shall be doubled; but the payment of such double fee shall not relieve any person from fully complying with the requirements of this ordinance in the execution of the work nor from any other penalties prescribed herein.

Section 7. That Section 11 of Ordinance No. 479, as amended, shall be and the same is hereby amended so as to read as follows:

Section 11 PERMITS -- FEES FOR. (a) In order to procure a permit for the installation of electric wiring or fittings, fixtures, apparatus and appliances used for light, heat, or power, or for making alterations in or additions to present equipment of any existing electrical installations, the person, firm or corporation applying for and receiving such permit shall pay to the City Treasurer the amount or amounts, as required by the following schedule of fees; provided, however, that no permit shall be issued to any person, firm or corporation who is not a holder of the license required by this ordinance, and provided further, that this ordinance shall not be so construed as to prohibit any owner from himself doing electrical work in or about his own buildings in case he shall first obtain a permit and license which license shall be issued upon the payment of a fee of One (\$1.00) Dollar, and likewise satisfy the Electrical Inspector that he is competent to make such installations and repairs.

(b) The following schedule of fees is hereby provided for all electrical work in the City of Grand Junction:

(1) Aerials - Each installation \$1.00

(2) Permanently connected motor-driven appliances and heating apparatus: (Ranges, Water Heaters, Stokers, Blowers, Oil and Gas Furnaces, Dishwasher, Garbage Disposals, Fans, Air Conditioners, and all similar devices.)

(a) First unit 1.00

(b) Each additional unit25

(3) Switch, lighting and convenience outlets, disconnects, controllers, relays and auxiliary gutters

(a) First one to five (1 to 5) inclusive 1.00

(b) Each additional10

(4) Lighting fixtures if installed by other than those doing body wiring

(a) First one to five (1 to 5) incl. Fixtures 1.00

(b) Each additional10

(5) Motors, transformers (all types, except signs) resistors, generators, rectifiers, capacitors, reactors, radiant heaters, or any other permanently connected apparatus

(a) one-eighth to two H.P. 1.00

(b) Over two H.P. to ten H.P. - per H.P.25

(c) Over Ten to twenty-five H.P. per H.P.20

(d) Twenty-five to fifty H.P. per H.P.10

(e) Over fifty to one hundred H.P. per H.P.05

(f) Each 100 H.P. or fraction thereof over 100 H.P.2.00

(Note - if name plate lists volt amps instead of H.P. 750 VA shall equal one H.P. If name plate lists watts and power factor is below 87%, convert watts to volt amps.)

(6) For signs bearing underwriters label or shop inspection prior to installation:

(a) First Branch Circuit 1.00

(b) Each additional branch circuit25

(7) For shop, indoors, or outdoor inspection of all signs

(a) First one to ten letters or sockets 1.00

(b) Each additional letter or socket10

(c) Each motor, flasher, speller, transformer or other similar device25

(d) Border lighting all types - each 20' or fraction thereof25

(c) Miscellaneous

(1) For inspections requiring investigation of complicated panel and control boards or special complicated wiring methods where several hours of inspection is required, a fee of four (\$4.00) Dollars per hour will be charged based upon time of actual inspection.

(2) For permits for electric apparatus, appliances, requiring special or new wiring and not hereinbefore provided for, a fee of One (\$1.00) Dollar shall be charged for each installation.

(3) The fee hereinbefore provided shall not include more than three inspections, and all additional inspections or re-inspections shall be charged for at the rate of One (\$1.00) Dollar each; provided, that this shall not be construed to apply to the wiring of large buildings where wires are to be concealed, and where non-inspection would delay the progress of the building operations.

(4) In case a person, firm or corporation takes out a permit to do the "body wiring" of any building or structures, he or they shall be allowed to install all fixtures thereof without extra fee.

Section 8. That Section 12 of Ordinance No. 479, as amended, shall be and the same is hereby amended so as to read as follows:

Section 12. INSPECTION OF NEW WORK. (a) It shall be unlawful for any person to hinder or interfere with the Electrical Inspector of the City of Grand Junction in the discharge of his duties.

(b) Any person, firm or corporation shall, on the immediate completion of any electrical work covered by any permit so to do, notify the Electrical Inspector that such electrical work is ready to inspect, and it shall be the duty of the Electrical Inspector, or his qualified representatives, to inspect all such wiring within twenty-four (24) hours after the receipt of such notice. (Saturdays, Sundays and Holidays not included in this time.)

(c) On inspecting any electric wiring for covering, if found to comply with all the provisions of this ordinance, a yellow tag shall be placed at the service, or at any other conspicuous place, but if the wiring is found to be defective, incomplete or otherwise not complying with the provisions of this ordinance, a green tag shall be placed in a conspicuous place and the person doing such work shall correct all defects. When defects are corrected, the Electrical Inspector shall be notified for a re-inspection, and if the work then complies with this ordinance, a yellow tag shall be issued.

(d) All tags or labels shall bear the signature of the Electrical Inspector and the date of inspection.

(e) No electric current shall be turned on or connection made for use until final inspection has been made and a certificate of approval issued; provided the Electrical

Inspector may issue a temporary permit for use of electric current during course of construction or alterations of any building or other structure, and said permit shall automatically expire when the work and materials are not being installed in conformity with the requirements of this ordinance.

(f) On completion of any work covered by any permit so to do, and in accordance with all the provisions of this ordinance, the Electrical Inspector shall issue a certificate of inspection.

(g) No person shall lath, or otherwise cover from view any wiring that has not been accepted by the Electrical Inspector or his qualified representative.

(h) All steam and gas fittings, furnace work, plumbing, and any "Signal" wiring shall be in place before the electric wiring for light, heat, or power is completed, and no such wiring shall be considered completed until the work referred to above is in place.

Section 9. That Section 13 of Ordinance No. 479, as amended, shall be and the same is hereby amended so as to read as follows:

Section 13. CHANGES AFTER INSPECTION. It shall be unlawful for any tenant, firm, person, corporation or workman, not holding a permit for doing electrical work to cut, damage, interfere, make additions to or alterations in any wiring, fixtures, fittings, etc., that have been accepted by the Electrical Inspector or his qualified representatives. If in case the wiring is in such a position as to interfere with the completion of the building, as called for by the plans or as afterwards changed, the wiring contractor or owner must be notified when said electrical work is changed, and he or they in turn must notify the Electrical Inspector of any change having been made after said Electrical Inspector has accepted the work. After installation is approved no metal shall be brought closer than three (3) inches and no wood closer than one (1) inch to any fitting or conductor, unless conductor is encased in approved conduit or tubing.

Section 10. That Section 14 of Ordinance No. 479, as amended, shall be and the same is hereby amended so as to read as follows:

Section 14. PLANS AND SPECIFICATIONS REQUIRED BEFORE PERMIT. All persons applying for wiring permit shall be required to furnish such plans and specifications for proposed work as may be deemed necessary by the Electrical Inspector before any permit for same shall be issued.

Section 11. That Section 17 1/2 of Ordinance No. 479, as amended, shall be and the same is hereby amended so as to read as follows:

Section 17 1/2 INTERIOR WIRING. (a) All wiring in public buildings, commercial buildings, hotels, tourist courts, and apartment houses which have dwellings on more

than a single floor, excluding the basement, shall be installed in approved rigid conduit, electric metallic tubing or metal molding.

(b) All multiple dwelling units over four apartments must have overcurrent protection on or within the apartment.

(c) In all structures of brick, tile, cinder block, stonework, or concrete, all wiring shall be installed in approved rigid conduit, metal molding, or electrical metallic tubing.

(d) No wire smaller than No. 12 wire shall be used for wall or floor outlets.

Section 12. That Section 18 of Ordinance No. 479, as amended, shall be and the same is hereby amended so as to read as follows:

Section 18. STANDARDS FOR ELECTRICAL EQUIPMENT AND METHODS OF INSTALLATION.

(a) All electrical equipment installed or used shall be reasonably safe to persons and property and in conformity with the provisions of this ordinance. Conformity of electrical equipment with applicable standards of "Underwriters Laboratories, Inc." shall be prima-facie evidence that such equipment is reasonably safe to persons and property.

(b) All installations of electrical wiring and communication circuits shall be reasonably safe to persons and property and in conformity with the provisions of this ordinance. Conformity of installations of electrical wiring and equipment with applicable regulations set forth in the National Electric Code, as approved by the American Standards Association, shall be prima-facie evidence that such installations are reasonably safe to persons and property.

(c) All service entrance wires shall be installed in approved rigid iron conduit, and service equipment, if located indoors, shall not be located more than fifteen (15) feet from the point of entrance.

(d) All electrical installations requiring cutouts shall have fuse blocks installed in metallic cabinets.

(e) Any portion of an interior wiring system which is located on the structure's exterior shall be installed in approved metal conduit. Conductors shall be required for wet locations.

(f) Service equipment shall not be installed in bedrooms, bathrooms, living rooms or dining rooms, over sinks, doors, stoves or in household cabinets or behind shelving or in unfinished basements.

Section 13. That Section 19 of Ordinance No. 479, as amended, shall be and the same is hereby amended so as to read as follows:

Section 19. DAMAGED CONDITION TO EXISTING INSTALLATIONS. (a) Any building wherein damage has been done to wiring, apparatus and fittings by fire, water, chemical or by deterioration to the extent of forty-five per cent (45%) or more of the entire structure, shall be rewired in conformity with the provisions of this ordinance. All fittings and apparatus shall conform to the provisions of this ordinance.

(b) All buildings being remodeled to the extent of fifty per cent (50%) or more of their value must be rewired in conformity with the provisions of this ordinance.

Section 14. That Section 21 of Ordinance No. 479, as amended, shall be and the same is hereby repealed.

Section 15. That Section 24 of Ordinance No. 479, as amended, shall be and the same is hereby amended so as to read as follows:

Section 24. ORDINANCE DOES NOT APPLY TO CITY EMPLOYEES NOR TO CERTAIN WORK DONE BY POWER, TELEPHONE AND TELEGRAPH COMPANIES.

(a) None of the provisions of this ordinance shall apply to any person regularly employed by the City of Grand Junction, in doing such work for said City, under the supervision of the Electrical Inspector.

(b) None of the provisions of this ordinance shall apply to work done or services performed by a public power company pursuant to a franchise granted by the City of Grand Junction or to employees of such franchise holders engaged in such work.

(c) None of the provisions of this ordinance shall apply to work done or services performed by a public telephone or telegraph company in the conduct of its communication services business or to employees of such companies engaged in such work.

Passed and adopted this 4th day of Oct., 1950.

/s/ A. G. Martin
President of the Council

ATTEST:

/s/ Helen C. Tomlinson
City Clerk

I HEREBY CERTIFY that the foregoing ordinance, being Ordinance No. 812 was introduced, read and ordered published by the City Council of the City of Grand Junction, Colorado, at a regular meeting of said body held on the 20th day of

September 1950, and that the same was published in The Daily Sentinel, a newspaper published and in general circulation in said City at least ten days before its final passage.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the official seal of said City, this 5th day of October, A. D. 1950.

/s/ Helen C. Tomlinson
City Clerk

1st Publication Sept. 22, 1950
Final Publication Oct. 9, 1950