

ORDINANCE NO. O-2017-4343

AN ORDINANCE AMENDING CHAPTER 10, CODE OF ORDINANCES (2010 EDITION), CITY OF ROUND ROCK, TEXAS, REGARDING THE ELECTRICAL CODE; REPEALING ALL OTHER ORDINANCES AND PARTS OF ORDINANCES IN CONFLICT THEREWITH; AND PROVIDING FOR A SAVINGS CLAUSE.

BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF ROUND ROCK, TEXAS:

I.

That Chapter 10, Division 10, Code of Ordinances (2010 Edition), City of Round Rock, Texas, is hereby amended to read as follows:

DIVISION 10. - ELECTRICAL CODE

Sec. 10-298. - General.

- (a) *National Electrical Code, NFPA 70.* The National Electrical Code, NFPA 70, ~~most current-2017~~ edition, ~~and latest revisions thereto~~, (hereinafter referred to as "NEC"), as amended herein, is hereby adopted as part of this division to the same effect as if it were copied verbatim herein and shall be in effect except as it may be in conflict with the provisions of this Code or V.T.C.A., Local Government Code § 214.214.
- (b) *Scope.* This code shall govern all installations of electrical conductors, raceway fittings, and/or equipment hereafter made, and all existing installations which are altered, or for which the use has changed. Repair and maintenance work shall be such that if any electrical conductor, raceway fittings, and/or equipment is removed and later replaced, same shall be replaced in accordance with the provisions of this division.
- (c) *Responsibility for safe work.* This code shall not be construed to relieve or lessen the responsibility or liability of any person owning, operating, or installing electrical conductor devices, appliances, fixtures, apparatus, motors or equipment, for damages to persons or buildings caused by any defect therein nor shall the city be held liable for any damages by reason of enforcement or nonenforcement of this division.
- (d) *Purpose.*
- (1) To safeguard persons and property from electrical hazards; and
 - (2) To establish licensing, permit and inspection procedures to ensure quality electrical work. To accomplish this, the requirements set forth herein are intended to be minimum standards for electrical work.
- (e) *Unlawful acts prohibited.*
- (1) It shall be unlawful for any person, as owner, agent, lessee, renter or otherwise to violate, disobey, refuse to comply with, resist or oppose the execution of this division.

(2) It shall be unlawful for any person to occupy or maintain any building or structure in which the electrical work, wiring or appliances are in violation of this division.

(3) Any person who commits any acts declared to be unlawful, or fails to perform an act required by this division, shall be subject to any and all penalties as provided herein. Any electrical installations erected or altered in violation of this Code shall be summarily condemned and removed at the expense of the person erecting or altering or allowing the same.

(f) *Amendments to the National Electrical Code, ~~2002~~2017 edition.*

~~(1) Article 220, National Electrical Code, 2002 edition, is hereby amended by deleting Section 22 and substituting the following:~~

~~220-22. Neutral Conductor. Neutral conductors shall be of the same ampacity as the largest ungrounded conductor.~~

~~(2) Article 240-24(A), National Electrical Code, 2002 edition, is hereby amended by adding paragraph (5) which shall read as follows:~~

~~(5) Location of panel boards or OVER-CURRENT devices. Panel boards or OVER-CURRENT devices shall not be located in bathrooms, closets or within six (6) feet of sinks, lavatories, water softeners, water heaters, washing machines, or similar fixtures. Panel boards will have the following minimum clearances: six (6) feet, three (3) inches of headroom; three (3) feet of walk-up clearance and thirty (30) inches minimum horizontal clearance with a minimum of six (6) inches on each side of enclosure.~~

~~(3)~~ Article 300, National Electrical Code, ~~2002~~2017 edition, is hereby amended by adding Section 24 which shall read as follows:

300-24. Special Safety Measures.

(a) Except upon written permission of the building official, no electrical conductor of any nature shall be installed nearer than three (3) inches to any metal pipe or duct which could operate at a temperature in excess of one hundred twenty (120) degrees Fahrenheit.

(b) Thermostat, low voltage control wiring and communications cables in dwellings shall be protected from mechanical damage and shall maintain two (2) inches clearance from all other wiring and pipes. Thermostat, low voltage control wiring and communications cables shall be well strapped or supported with insulated staples or supports not to exceed four (4) feet spacing.

~~(4) Article 80 of the National Electrical Code, 2002 edition, pertaining to administration and enforcement, is not adopted as a part of this division.~~

Sec. 10-299. - Definitions.

The following words, terms and phrases, when used in this division, shall have the meanings ascribed to them in this section, except where the context clearly indicates a different meaning:

Active master electrician means a licensed master electrician under the provisions of this division who is currently in good standing status.

Building means a structure which stands alone or which is cut off from adjoining structures and/or occupancies by one or more fire walls.

Chief electrical inspector means that employee of the city appointed by the city manager to carry out the duties and responsibilities of this division.

Commission means the Building Standards Commission of the city as appointed by the city council.

1 *Electrical work* means any act in connection with the installing, altering, or repairing of electrical
2 wires, conduits, apparatus, or other electrical installation, designed or capable of carrying electrical
3 energy, which act ordinarily requires the use of tools.

4 *Fire wall* means a four-hour fire resistant wall, having protective openings, which restricts the spread
5 of fire and extends continuously from the foundation to or through the roof, with sufficient structural
6 stability under fire conditions to allow collapse of construction on either side without collapse of the wall.

7 *Good standing* means all fees, bonds, etc., of a licensee (who is not currently under suspension or
8 revocation) have been paid.

9 *Journeyman electrician* means a person licensed as a journeyman electrician, under the provisions
10 of this division, who does electrical work under the supervision, direction, and control of a licensed master
11 electrician.

12 *Licensed electrician* means a person licensed and authorized to do electrical work as defined by this
13 division who is currently in good standing status.

14 *Maintenance* means the act of keeping in a state of safe operating condition any conductor or piece
15 of equipment used inside or outside, attached or connected to any building electrical system by
16 replacement of units or elements thereof, but shall not include additions to, or replacement of an existing
17 system or branch.

18 *Rough-in work* means initial work of installing, altering, repairing or maintaining of electrical wires,
19 conduits, apparatus or other electrical installation, performed so that all such work is easily visible and
20 may be easily corrected or changed.

21 **Sec. 10-300. - Administration and enforcement.**

22 (a) *Chief electrical inspector.* There is hereby created the office of chief electrical inspector, who shall be
23 appointed by the city manager.

24 (1) The chief electrical inspector shall have at least three years experience as a master electrician,
25 hold a valid master electrician's license, be of good moral character, and be well-versed in the
26 approved methods of electrical construction for safety of life and property in accordance with the
27 National Electrical Code, as amended.

28 (2) The chief electrical inspector is hereby designated as the person responsible for the
29 administration and enforcement of this division, who shall discharge the duties and have the
30 authority hereafter provided. Said authority may be delegated to inspectors and other
31 employees of the building inspection department as may be required to carry out said duties.

32 (3) The chief electrical inspector shall be responsible to the building official and the city manager,
33 each of whom are authorized to act in lieu of and with the same authority as the chief electrical
34 inspector.

35 (b) *Powers/duties of inspectors.* The chief electrical inspector and inspectors shall have the following
36 powers:

37 (1) To enforce the provisions of this division, issue citations and file complaints in municipal court
38 against persons who violate any of its provisions.

39 (2) To enter any house or premises during reasonable hours, (or at any time while electrical wiring,
40 fixtures or equipment is being installed) for the purpose of examining any electrical wiring or
41 installation of electrical wiring, fixtures or equipment therein in the performance of his official
42 duties.

43 (3) To order electrical service disconnected:

44 a. Where improper or defective wiring exists;

45 b. Where electrical construction or equipment has been installed without a permit as required
46 by this division;

- c. When electrical equipment may interfere with the work of the fire department; or
- d. In cases of emergency when necessary for the safety of persons or property.
- (4) To order compliance with this division where a change of occupancy occurs in a building which requires electrical change or alteration to said building.
- (5) To attach to electrical equipment or meters any official notice necessary to prevent the use of electricity.
- (6) To order persons to cease performing any work being done without a requisite permit or otherwise in violation of this division.
- (7) To make a thorough inspection of:
 - a. All electrical work from time to time as provided herein;
 - b. Electrical work which is in a dangerous or unsafe condition;
 - c. Electrical work deemed to be an interference with the work of the fire department;
- (8) To notify a person responsible for violating the above subsection to place said work in compliance with this division within a reasonable amount of time.
- (9) To require plans, specifications and a complete feeder layout of installations of electrical work.

Sec. 10-301. - Electrical license examination.

~~All applicants for an electrical license are required to pass the written examination prescribed by the Southern Building Code Conference International prior to obtaining an electrical license. building permit are required to be licensed by the State of Texas or the City of Round Rock.~~

~~**Sec. 10-302. - License and examination fees.**~~

~~The examination and license fees for the various classes of electricians, for a three-year period, shall be as currently established or as hereafter adopted by resolution of the city council from time to time.~~

Sec. 10-30~~3~~2. - Licensing.

(a) *Types of licenses.* Electrical licenses shall be of the following types:

- (1) *Master electrician.* Any person licensed as a master electrician in compliance with the requirements of this chapter, who employs journeyman electricians to perform electrician's work in accordance with this division or who performs electrical work himself in accordance with this division.
- (2) *Journeyman electrician.* A person licensed as a journeyman electrician in compliance with the requirements of this section, who works for and under the general supervision and direction of a master electrician, performing electrical work contracted for by a master electrician.

(b) *License required.* Except as otherwise provided herein, it shall be unlawful for any person to do electrical work unless such person holds a master electrician's or journeyman's license under the provisions of this division. Any person holding a valid master's license or journeyman's license need not procure a lesser license. When two or more master electricians are working on the same job, the supervision, direction and control of the electrical work shall be the responsibility of the person to whom the permit was issued.

(c) *Unrestricted and restricted licenses.*

- (1) A person holding a valid unrestricted license shall be authorized to perform all types of electrical work.
- (2) A person holding a valid restricted license shall be authorized to perform only those categories of work on which he has taken and passed an examination.

(3) The categories of restricted licenses are as follows:

a. *Signs*. A sign license restricted to the installation, repair, or maintenance of:

1. Electrical signs;
2. Transformers for the operation of neon and similar tubing on or in buildings; and
3. High tension cables between tubing and transformers for the same.

Such license shall not include connection of any electrical signs, transformers or other type of load to a source of electrical power, or the changing, extending, installing or repairing of any part of a wiring system.

b. *Elevators*. An elevator license restricted to the installation, alteration, repair or maintenance of only the control panel and control wiring of elevators and escalators.

c. *Repair service*. A repair service license restricted to the connecting or disconnecting of any electrical wiring regulated by this section, not including the changing, extending, installing or repairing of any part of a wiring system.

d. *Maintenance*. A maintenance license restricted to the maintenance, repair, relocation or replacement of any electrical conductor or equipment pertaining to branch circuits, including extension of or additions to branch circuits permitted under this section, by a person who is regularly employed by one employer upon a permanent basis for the performing of such work within the confines of the building or premises of such employer.

e. *Residential*. A residential license restricted to performing electrical work on residential buildings only while under the general supervision and direction of a master electrician.

(d) *Supervision*. Except as otherwise provided in this division, all electrical work shall be performed under the supervision, direction, and control of the master electrician who has secured the permit. When on-site work is performed by a journeyman electrician under the supervision of the permit holder, the ratio of workers to journeyman electricians shall not exceed three workers for each journeyman present on site; provided, however, for commercial or industrial work, the ratio shall be two workers for each journeyman present on site.

(e) *License not required*. The following may be performed by persons who are not licensed electricians:

(1) Electrical work on one's own homestead, as reflected by public records, performed only by the homestead owner; provided, that a permit as provided in section 10-3043 shall have been obtained and all other requirements of this division have been complied with except the licensing provisions.

(2) The replacement of lamps, fuses and connection of portable devices to suitable receptacles which have been permanently installed.

(3) The installation, alteration or repairing of any wiring, devices, or equipment for the operation of a signal or the transmission of messages where such wiring, devices, appliances or equipment operates at a voltage not exceeding 50 volts between conductors and does not include generating or transforming equipment.

(4) The installation, alteration or repair of electric wiring, devices, appliances and equipment installed by or for an electric public service corporation operating under a franchise from the division when for the use of such a corporation in the operation for street railways, signals or the transmission of messages.

~~(f) Qualifications.~~

~~(1) Master electrician. Candidates for said license shall:~~

~~a. Be a high school graduate or the equivalent thereof;~~

~~b. Show proof of two years as a licensed journeyman; and~~

- ~~c. Show proof of completion of a six-hour review course on the National Electrical Code in each year that the electrical code is updated, before renewal of license.~~
- ~~(2) Journeyman electrician. Candidates for said license shall:~~
- ~~a. Be a high school graduate or the equivalent thereof; and~~
- ~~b. Have a minimum of four years' experience under the direct supervision of a master electrician.~~
- ~~(3) College.~~
- ~~a. A bachelor's degree in electrical engineering from a college or university which requires at least four years of study in residence as a prerequisite to such degree shall be considered the equivalent of three years of experience; and~~
- ~~b. The satisfactory completion of 120 semester hours of work required for such degree shall be considered the equivalent of one year experience.~~
- ~~(g) Application.~~
- ~~(1) Every application for an original or renewal license shall be made upon forms furnished by the chief electrical inspector.~~
- ~~(2) Every license application shall state the full name, date of birth, weight, height, eye color, hair color, sex, residence and business address of the applicant. Every application for an original license shall specify the applicant's experience; whether the applicant has heretofore been licensed as a journeyman, master or other classification of electrician, and if so, when and by what state, county, or city; whether said license has ever been suspended or revoked; and whether the applicant has ever been refused a license, and if so, the date of and the reason for said suspension, revocation, or refusal.~~
- ~~(3) Every application shall be accompanied by the license fee prescribed in section 10-302.~~
- ~~(h) Issuance of electrical license.~~
- ~~(1) Upon receipt of proof of payment of the required fee, and passing the examination, the chief electrical inspector shall issue to the applicant the class of license which said applicant is qualified to receive under the provisions of this division. The chief electrical inspector shall record the issuance of said license.~~
- ~~(2) Each license shall bear a distinguishing number assigned to the licensee, the full name, sex, date of birth, weight, height, hair color, eye color, and a space upon which the licensee shall write his usual signature in permanent ink immediately upon receipt of the license. No license shall be valid until it is so signed by the licensee.~~
- ~~(i) Requirements for continued licensing; master electrician. In addition to other requirements of this division, all master electricians shall have their license number of company name on all company trucks.~~
- ~~(j) Expiration; renewal.~~
- ~~(1) All electrical licenses shall expire at 12:00 midnight on the last day of the month of the licensee's birthday.~~
- ~~(2) Expired licenses not renewed as provided in the preceding paragraph shall be deemed cancelled, and appropriate notations reflected on the official license records of the city.~~
- ~~(3) If a license is renewed 30 or more days after expiration date, the normal fee shall be doubled.~~
- ~~(k) Inactive license. A master electrician may request that his license be placed in an inactive status after payment of a fee as currently established or as hereafter adopted by resolution of the city council from time to time. A master electrician holding an inactive license may not perform electrical work within the city nor obtain a permit for said work. An inactive license may be made active by paying the active license fee.~~

~~(l) Duplicates. In the event that an electrician's license is lost or destroyed, the licensee may obtain a duplicate thereof upon furnishing proof satisfactory to the chief electrical inspector that said license was lost or destroyed, and upon payment of a fee as currently established or as hereafter adopted by resolution of the city council from time to time.~~

~~(m) Notice of change of address, name, etc., to be given. Whenever a licensee has:~~

~~(1) Moved from the address listed in the official license records;~~

~~(2) Changed his name; or~~

~~(3) Changed his place of employment;~~

~~the said licensee shall immediately notify the chief electrical inspector, in writing, of his present address, name and employment.~~

~~(n) Certain acts prohibited.~~ It shall be a violation of this division for any person:

(1) To display, permit to be displayed or to have in one's possession, any instrument purporting to be a license issued pursuant to this division, knowing such instrument to be fictitious, cancelled, suspended or altered.

(2) To knowingly lend, transfer or permit the use of any license for the purpose of performing or obtaining a permit for electrical work, to any person not entitled thereto under the provisions of this division.

(3) To fail or refuse to surrender to the chief electrical inspector, on demand, an electrician's license which has been suspended or cancelled as provided by law.

(4) To apply for, or have in one's possession, more than one current license of the same type provided for in this division.

(5) To use a false or fictitious name or address in any license application, renewal, or duplicate request, or knowingly make a false statement, conceal a material fact or otherwise commit fraud in making said application, renewal or duplicate request.

(6) To employ as a master or journeyman electrician any person not then licensed as provided in this division.

(7) To perform any electrical work requiring a license, without said license or while said license is suspended or cancelled.

(8) To perform electrical work in any manner in violation of any restrictions imposed on a licensee.

(9) To perform electrical work as a journeyman electrician on a job while not in the employ of the master electrician of record of said job.

(10) To fail to request a final inspection upon completion of all electrical wiring and installation requiring a permit.

~~(o) Probation, suspension, revocation.~~

~~(1) The commission may place a licensee on probation or suspend any electrician's license issued by the commission for a period of not more than one year, or revoke said license, after determining at a proper hearing, as set out in this section, that the licensee has violated any provision of this division, state law, city ordinance or regulation relating to or governing electrical wiring, repairing or construction, including, but not limited to:~~

~~a. Permitting an unlawful or fraudulent use of said license.~~

~~b. Habitually violating this division. (Habitual shall mean three or more separate violations.)~~

~~c. Failing or refusing to make corrections necessary to cure defects in electrical work performed in violation of this division.~~

- 1 d. ~~Performing any electrical work in violation of this division or the National Electrical Code~~
2 ~~which is found to be the cause or a contributing cause of a fire, whether or not there is any~~
3 ~~actual damage or loss.~~
- 4 e. ~~Performing any electrical work in violation of any restrictions imposed on a licensee.~~
- 5 (2) ~~If a licensee who has been placed on probation by the commission shall violate any of the~~
6 ~~provisions contemplated by subsection (n) of this section while serving said probationary period,~~
7 ~~then said licensee shall have his license automatically suspended pursuant to subsection (q) of~~
8 ~~this section.~~
- 9 (p) ~~Hearing and procedure.~~
- 10 (1) ~~In determining charges pursuant to subsection (n) of this section, the commission shall proceed~~
11 ~~upon a sworn complaint furnished it by a city official, or by any person aggrieved by the action~~
12 ~~of an electrician in the performance of electrical work for which an electrical permit is required~~
13 ~~by this division.~~
- 14 (2) ~~Complaints shall be in writing and verified by the person familiar with the facts therein. Three~~
15 ~~copies of the same shall be filed with the city clerk who shall retain one copy for the official~~
16 ~~records of the city and shall convey two copies to the commission.~~
- 17 (3) ~~The commission, if it deems the information sufficient to support further action on its part, shall~~
18 ~~order a hearing to be set at a specified time and place. Said hearing shall be open to the public.~~
- 19 (4) ~~A copy of the order and complaint shall be served upon the accused by registered mail no less~~
20 ~~than 14 days before the scheduled date of the hearing.~~
- 21 (5) ~~The accused shall appear in person, by counsel, or both, at the time and place named in the~~
22 ~~order and make his defense to the same. The city attorney and the accused shall be entitled to~~
23 ~~present evidence and argument at said hearing.~~
- 24 (6) ~~If the accused fails or refuses to appear at said hearing, the commission may proceed to hear~~
25 ~~and determine the charges in his absence.~~
- 26 (7) ~~If the accused admits the truth of the charges, and the commission by vote of four or more of its~~
27 ~~members shall find them to be true, it may enter an order suspending the license of said~~
28 ~~electrician.~~
- 29 (8) ~~The commission shall have the power, through its chairman or secretary, to administer oaths~~
30 ~~and to compel the attendance of witnesses before it by subpoena issued over the signature of~~
31 ~~the chairman.~~
- 32 (9) ~~When the commission has completed said hearing and made its decision, it shall cause one~~
33 ~~copy of its decision to be filed with the chief electrical inspector, one copy with the city clerk and~~
34 ~~cause a certified copy thereof to be forwarded to the accused.~~
- 35 (q) ~~Automatic suspension. Notwithstanding subsections (n) and (o) of this section:~~
- 36 (1) ~~The license of any person shall be automatically suspended upon final determination by the~~
37 ~~commission that said licensee has committed any of the following offenses:~~
- 38 a. ~~Taking out a permit in the name of a person authorized to do the electrical work and~~
39 ~~thereafter permitting a person not authorized by this division to perform the electrical work.~~
- 40 b. ~~Tampering with, diverting from or in any way interfering with the proper action or~~
41 ~~registration of any electric meter.~~
- 42 c. ~~Violating any provision of this division, state law, city ordinance or regulation relating to or~~
43 ~~governing electrical wiring, repairing or construction while on probation imposed by the~~
44 ~~commission.~~
- 45 (2) ~~Suspension provided for in this division shall, in the first instance, be for a period of six months.~~
46 ~~For subsequent offenses, said suspension shall be for a period of one year.~~

~~(3) The suspension of any license shall be automatically extended for a like period as the original suspension upon a final determination by the commission that a licensee has been performing electrical work while his license is suspended. Said suspension extension shall be in addition to any other penalty assessed, as provided in this division.~~

~~(4) Automatic suspensions are appealable in accordance with subsection (p) of this section.~~

~~(r) Surrender and return of license. Any license which has been suspended pursuant to this division shall be surrendered to and retained by the chief electrical inspector. At the end of the period of suspension, the surrendered license shall be returned to the licensee and be valid under the provisions in this division, provided:~~

~~(1) No further violations of this division are committed by licensee during the suspension period; and~~

~~(2) If the period of suspension extends beyond the normal expiration date of said license, the licensee has paid all license fees and/or posted all surety bonds in accordance with this division.~~

Sec. 10-3043. - Permits.

(a) *Generally.* Except as otherwise provided in this Code, it shall be unlawful for any person to install, cause to be installed, or permit the installation of, or make any alterations, additions, changes or repairs to any electrical wiring fixtures or equipment within or on any building, structure, or premises, whether publicly or privately owned, without first obtaining a valid permit therefor.

(b) *Permit not required.* No permit shall be required for:

(1) The installation of electrical conductors or equipment within and on the premises which are under the control and supervision of the state highway department and where such installation will be operated, maintained or controlled or supervised by said state highway department.

(2) The installation of electrical conductors or equipment by or for a public utility corporation in the generation, transmission, sale or use of electrical energy as outlined in its franchise.

(3) The installation of low voltage HVAC control wiring in residential only.

(4) The replacement of:

a. A motor by another motor of the same horsepower and rating;

b. Solenoid valves;

c. Low pressure controls;

when the electrical supply to the same is or has been properly installed by a licensed electrician.

(c) *Permit application.*

(1) Application for permits shall be made in writing upon forms provided by the chief electrical inspector. The application shall contain the following information:

a. The date the application is submitted;

b. The applicant's name;

c. The exact address where electrical work is to be done;

d. A description of the electrical work to be done;

e. Other pertinent information as required by the chief electrical inspector. If a diagram or plan is required, it shall clearly show the following:

1. The character and kind of wiring or installation of fixtures or equipment work to be done;

2. The scale used and the manner in which the electrical installation is to be made;
 3. The character of any repairs to any existing installation showing the point at which service connection is required;
 4. The size of feeders and subfeeders;
 5. The location of service switches and centers of distribution;
 6. The arrangement of circuits and the number of outlets connected thereto;
 7. Load calculations;
 8. A profile view of the service entrance equipment including all gutter troughs, junction boxes, switches, disconnects, fuses, panel boards, current transformer enclosures and meter sockets, detailing how this equipment is to be arranged on the wall of the building;
 9. The maximum available fault current at the service entrance shall be obtained from the local utility company; and
 10. Fault current bracing information.
- (2) Applications for permits shall only be issued to the following persons:
- a. A master electrician licensed under this Code;
 - b. A property owner who shall certify that the proposed electrical work shall be performed by the applicant personally, in a residence presently occupied by the applicant as his homestead.
- (d) *Permit issuance.*
- (1) Permits shall be issued to licensed master electricians, or their duly authorized agents.
 - (2) The city operates under a "one permit" system on new construction whereby a general contractor or owner may secure a single permit covering all of the building, electrical, plumbing, heating, ventilating, and air conditioning requirements. However, where only electrical work is being performed, a master electrician, as defined herein, must secure a permit covering the work to be done. There shall not be more than one permit issued or outstanding at the same time for any one installation of electrical equipment, except for renewal, additions or finish-out or when requested by the city building official.
- (3) The chief building inspector may require an inspection prior to the issuance of a permit.
- (4) A permit issued under this division shall continue until revoked or for the period of time designated on the permit.
- (e) *Revocation and suspension of permits.*
- (1) The chief electrical inspector has the authority to revoke or suspend a permit or approval issued if any violation of this division is found upon inspection or in the case there have been any false statements or representations submitted in the application or plans on which the permit or approval was based.
 - (2) Revocation will be deemed to occur on the date that the permittee is duly notified of the violation.
- (ef) *Reissued permit.* A permit may be reissued changing the electrician of record upon written application by the person to whom the original permit was issued. However, before the permit is issued, the chief building inspector shall mail a written notice to the electrician of record with a copy to the owner, notifying them of the application for a reissued permit. The notice to the electrician of record shall be by certified mail, return receipt requested, and shall not be reissued until the expiration of ten days after the notice was mailed. The application for a reissued permit shall be accompanied by a permit reissuance fee as currently established or as hereafter adopted by

1 resolution of the city council from time to time. The applicant shall be responsible for all electrical
2 work on the project site, including all work performed prior to reissuance.

3 (~~fg~~) *Duplicate.* In the event that a permit is lost or destroyed, the permit holder may obtain a duplicate
4 thereof:

5 (1) By furnishing satisfactory proof to the chief electrical inspector that the permit was lost or
6 destroyed; and

7 (2) Upon payment of a fee as currently established or as hereafter adopted by resolution of the city
8 council from time to time.

9 (h) Certain acts prohibited.

10 (1) Any attempt to defraud or otherwise deliberately or knowingly design, install, service, maintain,
11 operate, sell, represent, represent for sale, falsify records, reports, or applications, or other
12 related activity in violation of this division.

13 (2) Any violation of this division will provide cause for immediate suspension or revocation of any
14 related licenses, certificates, or permits issued by this jurisdiction. All violations are additionally
15 subject to any other civil or criminal penalties that may apply.

16 **Sec. 10-30~~54~~. - Inspections.**

17 (a) *Required.* Unless and until it has been inspected and approved by the building inspection division, it
18 shall be unlawful for any person to:

19 (1) Make connections from a source of electrical energy to any electrical wiring, device or
20 equipment on an installation for which a permit is required by this Code;

21 (2) Make connections from a source of electrical energy to any electrical wiring device or
22 equipment which has been disconnected by order of the chief electrical inspector; or

23 (3) Conceal in any manner from access or sight, any part of a wiring installation.

24 (b) *Rough inspection.*

25 (1) When the rough wiring or installation work is completed on a commercial job, the electrician
26 responsible ~~therefor~~ shall notify the building inspection division that the job is ready for
27 inspection.

28 (2) Residential wiring will be called for by the building superintendent during the top-out inspection.

29 (c) *Faulty work.*

30 (1) If the wiring or installation of fixtures or equipment is found to be faulty or incorrectly or
31 defectively installed, the chief electrical inspector shall notify, in writing, the permittee who
32 installed said work of all changes necessary in order for the work to conform to this Code.

33 (2) The permittee shall, within 48 hours of written notification, commence the changes ordered and
34 shall proceed with the work until the same is completed. Upon completion thereof and payment
35 of the reinspection fee, he shall request an inspection by the building inspection division. If the
36 chief electrical inspector shall again find the work incorrectly installed, he shall notify the
37 permittee of the necessary changes, and the permittee shall pay an additional reinspection fee.
38 If the permittee fails to correct the faulty work within 72 hours, the chief electrical inspector shall
39 refuse to issue to said person any further permits until said work in question is corrected and
40 approved.

41 (d) *Final inspection.* Upon the completion of all electrical wiring and installations requiring a permit, the
42 permittee shall notify the building inspection division that the work is ready for final inspection. If
43 faulty or defective wiring or equipment is found, the permittee shall be notified of the necessary
44 changes in accordance with subsection (c) of this section. If such work is found to be correctly
45 installed, replaced or repaired, the inspector shall endorse the inspection certificate, stating that the
46 wiring and installation work has been installed in accordance with the provisions of this Code.

- (e) *Inspection after fire.* An inspection shall be conducted by the chief electrical inspector on any and all buildings or structures that have been damaged by fire.
- (f) *Inspector's removal request.* It shall be the duty of the chief electrical inspector to cause all abandoned dead wire, unused poles or electrical apparatus remaining on or near the job site to be removed at the expense of the owners thereof, by giving said owners written notice.
- (g) *Interference.* It shall be unlawful for any unauthorized person to change or alter electrical conductors or equipment in or on any building. If electrical conductors or equipment have previously been installed in such a position as to interfere with the erection or completion of a structure, notice shall be immediately given to the person using said conductors or equipment, requiring conformance with this Code.
- (h) *Emergency reconnects.* No service entrance equipment will be connected by the electric utility company to its electric distribution system without an approved inspection unless it is a re-connection of service which was disconnected for emergency repair work. The electric utility company shall notify the chief electrical inspector on the next working day following the emergency re-connect by requesting a follow-up inspection. The inspector shall check code requirements and verify that a permit has been secured by the electrician doing the repair work.
- (i) *Commercial/industrial buildings.* A new tenant who occupies previously occupied commercial/industrial buildings or lease spaces must obtain electrical re-inspection and approval in order for the power company to release service to said building or lease space.

Sec. 10-3065. - Standards and specifications.

- (a) *Materials, equipment, safety standards.* Conformity of electrical equipment with the applicable standards of the Underwriters' Laboratories, Inc., ANSI or NEC, shall be prima facie evidence that such equipment is reasonably safe to persons and properties.
- (b) *Installations creating hazards to fire protection and prevention.* No wires shall be installed, operated or maintained over any street, alley, sidewalk or building:
- (1) Which may foreseeably interfere with the work of the fire department in the use of ladders or other apparatus; or
 - (2) Which shall obstruct or render hazardous the use of fire escapes.
- On complaint of the city fire marshal, said wires shall be removed or properly rearranged.
- (c) *Special electrical circuit requirements.* The following additional requirements shall be met for all new construction:
- (1) All circuits shall have conductors sized in accordance with article 310 of the National Electrical Code. No conductor smaller than No. 12 copper American wire gauge size, shall be used in any electrical work as covered by this Code, except the following as approved by the National Electrical Code:
 - a. Pendant and portable cords;
 - b. No. 14 for control circuits, operating contractors, relays, etc.;
 - c. Wiring within display cases;
 - d. Wiring for system covered by chapter 7 of the National Electrical Code;
 - (2) All panels must be large enough to accommodate the present load requirements and have at least two spaces for future use.
 - (3) All 125 volt, single phase 15 or 20 ampere rated devices installed in commercial and industrial installations shall be of the nonresidential type or shall be 20 ampere rated only.
 - (4) Temporary service for construction sites are required to have ~~GFCI protection, and must have a~~ driven ground rod.

~~(5) Type AC Cable (commonly referred to as "BX") will not be authorized as an approved wiring method.~~

(65) Flexible metal conduit smaller than one-half-inch electrical trade size shall not be permitted.

(76) Kerneys or split bolt connectors shall not be allowed for taps in electrical services and gutters. Only blocks and couple taps are permitted.

(87) All building services shall have a UFER grounded and be grounded by Art. 250, ~~1996~~ of NEC.

(98) All closets and storage areas that are over 48 inches deep or more shall have a light switch.

(d) *Construction, rodentproof.* All exterior wall openings around electrical cables and conduits shall be closed with cement mortar, concrete masonry, or other approved material to prevent the passage of rodents.

(e) *Commercial buildings.*

(1) All commercial buildings shall be wired in raceways. However, this provision shall not apply to pre-existing wiring in buildings which were originally constructed and used as residential-use buildings and thereafter converted to commercial usage.

(2) For each panel in commercial construction, a minimum of one spare one-inch raceway shall be installed from the panel to an accessible location in the attic or crawlspace for recessed panels only.

(3) All thermostat wire, door bell wire, fire alarm wire and other wire 50 volts or less must be run in conduit, with the exception of plenum cable.

(f) *Special safety measures.*

(1) Aluminum conductors will be authorized from the ~~service drop, or lateral, panel to panel and to the service disconnect only, for commercial and industrial construction. Aluminum conductors sized 500 KcMil and larger may be permitted in panel to panel installations subject to approved methods of installations and approved connectors. Such approvals will be at the sole discretion of the board and chief electrical inspector on a case-by-case basis.~~

(2) All feeder conductors to branch circuit panel boards and all subpanels in residential ~~and commercial~~ construction shall be copper conductors.

(3) Color coding of conductors.

a. Single phase 120/240 Volt System.

Phase	
A	Black
B	Red
Neutral	White

b. Three phase 120/240 volt center tap Delta System.

Phase	
-------	--

A	Black
B	Red
C	Orange (high leg)
Neutral	White

1

2 c. Three phase 480 volt Delta System.

Phase	
A	Brown
B	Yellow
C	Purple

3

4 d. Three phase 120/208 volt WYE System.

Phase	
A	Black
B	Red
C	Blue
Neutral	White

5

6 e. Three phase 277/480 volt WYE System.

Phase	
-------	--

A	Brown
B	Yellow
C	Purple
Neutral	Natural Gray

1

2 (4) Except upon written permission of the chief electrical inspector, no electrical conductor of any
3 nature shall be installed nearer than three inches to any metal pipe or duct which could operate
4 in excess of 120 degrees Fahrenheit.

5 (5) Door bell transformers must be mounted in an attic, heater closet, bedroom closet or other
6 space where air can flow freely around the transformer. The transformer shall not be covered
7 after it has been mounted.

8 (6) It will not be acceptable to use flexible metal conduit outside. Liquidtight flexible conduit or
9 liquidtight flexible nonmetallic conduit are considered acceptable.

10 (g) *Smoke detector systems.*

11 (1) Every dwelling and every dwelling unit within an apartment house, condominium or town house,
12 and every guest or sleeping room in a child care facility, motel, hotel or dormitory, shall be
13 provided with an approved listed smoke detector in accordance with V.T.C.A., Property Code §
14 92.251 et seq.

15 (2) Detectors shall be listed and meet the installation requirements of NFPA 74 and NFPA 72E and
16 be hard wired with battery pack in series where all alarms will be activated.

17 ~~(3) Smoke detectors shall be placed in each bedroom and in the upstairs and downstairs hallways~~
18 ~~as close to the stairwell but as far from the kitchen as possible.~~

19 (h) *Engineer seal required.* In accordance with the Texas Engineering Practice Act, all drawings
20 pertaining to non-dwelling construction projects of 5,000 square feet or more shall bear the seal of an
21 engineer registered in the state. The chief electrical inspector is hereby authorized to require, at his
22 discretion, said seal to be placed upon drawings for non-dwelling construction projects of lesser
23 square footage.

24 (i) *Use of unapproved appliance prohibited.* It shall be unlawful for any person within the city to install
25 electrical equipment or appliances which have not been:

26 (1) Endorsed by the Underwriters' Laboratories, Inc., or other nationally recognized standards
27 association; or

28 (2) Approved by the chief electrical inspector.

29 **Sec. 10-3076. - Violations.**

30 (a) *Violation.* In addition to other provisions of this Code, it shall be unlawful for any person to:

31 (1) Break, change, destroy, tear, mutilate, cover, deface, or otherwise injure any official notice or
32 seal posted by an electrical inspector pursuant to section 10-300;

33 (2) Interfere with enforcement officials or their duly authorized agents in the discharge of their
34 duties, including but not limited to carrying out the provisions of this Code;

- 1 (3) Fail or refuse to make necessary changes or repairs within a reasonable amount of time
2 pursuant to section 10-300 or 10-30~~54~~⁴(c); or
- 3 (4) Perform electrical installations without supplying the requisite plans, specifications or layouts or
4 without initial approval of said installation pursuant to section 10-300 or 10-30~~43~~⁴(c).
- 5 (b) *Injunction*. In addition to the penal remedies herein, the city may seek injunctive relief regarding any
6 violation of this Code.

7

8 **II.**

9

10 **A.** All ordinances, parts of ordinances, or resolutions in conflict herewith are
11 expressly repealed.

12 **B.** The invalidity of any section or provision of this ordinance shall not
13 invalidate other sections or provisions thereof.

14 **C.** The City Council hereby finds and declares that written notice of the date,
15 hour, place and subject of the meeting at which this ordinance was adopted was posted
16 and that such meeting was open to the public as required by law at all times during
17 which this ordinance and the subject matter hereof were discussed, considered and
18 formally acted upon, all as required by the Open Meetings Act, Chapter 551, Texas
19 Government Code, as amended.

20

21 Alternative 1.

22 By motion duly made, seconded and passed with an affirmative vote of all the
23 Council members present, the requirement for reading this ordinance on two separate
24 days was dispensed with.

25 **READ, PASSED, and ADOPTED** on first reading this ____ day of
26 _____, 2017.

27

1 Alternative 2.

2 **READ** and **APPROVED** on first reading this the _____ day of

3 _____, 2017.

4 **READ, APPROVED** and **ADOPTED** on second reading this the _____ day of

5 _____, 2017.

6

7

8

9

ALAN MCGRAW, Mayor
City of Round Rock, Texas

10

11 ATTEST:

12

13

14 _____
SARA L. WHITE, City Clerk

15