

ORDINANCE NO. 2002

AN ORDINANCE OF THE TOWN COUNCIL OF THE TOWN OF HIGHLAND PARK, TEXAS REPEALING CHAPTER 3 BUILDING REGULATIONS, ARTICLE 3.03 ELECTRICITY, OF THE CODE OF ORDINANCES OF THE TOWN OF HIGHLAND PARK, AND ALL ORDINANCES, OR AMENDMENTS THERETO, THAT CONFLICT WITH THE TERMS OR CONDITIONS OF THIS ORDINANCE AND ENACTING IN LIEU THEREOF A NEW CHAPTER 3 BUILDING REGULATIONS, ARTICLE 3.03 ELECTRICITY ADOPTING THE NATIONAL ELECTRIC CODE 2014 EDITION AS THE OFFICIAL ELECTRICAL CODE OF THE TOWN OF HIGHLAND PARK, TEXAS SUBJECT TO CERTAIN AMENDMENTS CONTAINED HEREIN; PROVIDING A SEVERABILITY CLAUSE; PROVIDING PENALTIES FOR VIOLATION OF THIS ORDINANCE; PROVIDING FOR INCORPORATION INTO THE CODE OF ORDINANCES; AND PROVIDING AN EFFECTIVE DATE.

BE IT ORDAINED BY THE TOWN COUNCIL OF THE TOWN OF HIGHLAND PARK, TEXAS:

SECTION 1. That, CHAPTER 3 BUILDING REGULATIONS, ARTICLE 3.03 ELECTRICITY, is hereby repealed.

SECTION 2. That, a new CHAPTER 3 BUILDING REGULATIONS, ARTICLE 3.03 ELECTRICITY, of the Code of Ordinances of the Town of Highland Park is hereby adopted and shall read as follows:

Division 1. Generally

Secs. 3.03.001–3.03.030 Reserved

Division 2. Electrical Code

Sec. 3.03.031 Title

This division shall be known as the Town electrical code and may be cited as such, and shall be hereinafter referred to as “the electrical code.” The electrical code is hereby adopted as the safe and practical standards for the installation, alteration, and use of electrical equipment in the Town.

Sec. 3.03.032 Adopted

The National Electrical Code, 2014 edition, together with all amendments thereto, shall be and the same are hereby made a part of this division by reference, the same as if copied at length herein, and made a part hereof for all purposes, and copies of said National Electrical Code, 2014 edition, together with all amendments thereto, shall be kept on file in the office of the Town Electrical Inspector.

Sec. 3.03.033 Requirements varying from or not covered by code

Any requirement considered necessary for the safety of existing or proposed electric wiring, electric apparatus or electric equipment, or for the safety of occupants of any building or structure in which wiring, electric apparatus or electric equipment is installed, altered or repaired, which varies from provisions of the National Electrical Code, 2014 edition, or any amendments thereto, or which is not specifically covered by the National Electrical Code, 2014 edition, or any amendments thereto, shall be determined by the Town Electrical Inspector subject to appeal to the Town Council.

Sec. 3.03.034 Amendments

The National Electrical Code, 2014 edition, is hereby amended as follows:

Article 100; amend the following definition by adding the sentence below:

Authority Having Jurisdiction (AHJ). Add the following sentence to the end of the definition "The AHJ shall be the Town of Highland Park and its employees or agents as assigned."

Article 100; add the following to definitions:

Engineering Supervision. Supervision by a Qualified State of Texas Licensed Professional Engineer engaged primarily in the design or maintenance of electrical installations.

Article 100; amend the following definition:

Intersystem Bonding Termination. A device that provides a means for connecting intersystem bonding conductors for communication systems and other systems to the grounding electrode system. Bonding conductors for other systems shall not be larger than 6 AWG.

Article 110.2; change the following to read as follows:

110.2 Approval. The conductors and equipment required or permitted by this Code shall be acceptable only if approved. Approval of equipment may be evident by listing and labeling of equipment by a Nationally Recognized Testing Lab (NRTL) with a certification mark of that laboratory or a qualified third party inspection agency approved by the AHJ.

Exception: Unlisted equipment that is relocated to another location within a jurisdiction or is field modified is subject to the approval by the AHJ. This approval may be by a field evaluation by a NRTL or qualified third party inspection agency approved by the AHJ.

Informational Note No. 1: See 90.7, Examination of Equipment for Safety, and 110.3, Examination, Identification, Installation, and Use of Equipment. See definitions of Approved, Identified, Labeled, and Listed.

Informational Note No. 2: Manufacturer's self-certification of equipment may not necessarily comply with US product safety standards as certified by a Nationally Recognized Testing Lab.

Informational Note No. 3: NFPA 790 and 791 provide an example of an approved method for qualifying a third party inspection agency.

Article 210.52 (G) (1) Garages: delete the following requirement

(1) Garages. In each attached garage and in each detached garage with electric power. At least one receptacle outlet shall be installed for each car space.

Article 230.71(A); add the following exception:

Exception: Multi-occupant buildings. Individual service disconnecting means is limited to six for each occupant. The number of individual disconnects at one location may exceed six.

Article 240.24 (D); add the following exception:

"Exception: Overcurrent devices shall be permitted in clothes closets provided the working clearances in Section 110-26 of the National Electrical Code are maintained."

Article 240.91; delete the Article.

Article 300; shall be amended by adding thereto a new subsection 300.1 (D) to read as follows:

(D) Metal Raceways/Conduit Required. All wiring, except installations operating at 50 volts or less, including but not exclusive of security systems, communication systems, room thermostats, and low voltage lighting control systems, installed in or on any building or structure shall be placed in metallic conduit, metallic tubing, or metallic raceways. Where possible, rigid metallic conduit or electrical metallic tubing shall be used, however, flexible metal conduit will be permitted in existing floors, in existing walls, existing ceilings, and for the connection of motors or portable and stationary equipment and fixtures where flexibility of connection is required. A ground wire must be installed in all flexible metal conduit. Prewired flexible metal raceways/conduits where installations operate in excess of 50 volts are prohibited.

Article 300.11; add the following exception:

Exception: Ceiling grid support wires may be used for structural supports when the associated wiring is located in that area, not more than two raceways or cables supported per wire, with a maximum nominal metric designation 16 (trade size 1/2").

Article 310.15 (B) (7); change to read as follows:

(7) This Article shall not be used in conjunction with 220.82.

Article 334 Nonmetallic-Sheathed Cable; Types NM, NMC, and NMS DELETE in its entirety.

Article 500.8 (A) (3); change to read as follows:

500.8 Equipment. Articles 500 through 504 require equipment construction and installation standards that ensure safe performance under conditions of proper use and maintenance.

Informational Note No. 1: It is important that inspection authorities and users exercise more than ordinary care with regard to installation and maintenance.

Informational Note No. 2: Since there is no consistent relationship between explosion properties and ignition temperature, the two are independent requirements.

Informational Note No. 3: Low ambient conditions require special consideration. Explosion proof or dust-ignition proof equipment may not be suitable for use at temperatures lower than -25°C (-13°F) unless they are identified for low-temperature service. However, at low ambient temperatures, flammable concentrations of vapors may not exist in a location classified as Class I, Division 1 at normal ambient temperature.

(A) Suitability. Suitability of identified equipment shall be determined by one of the following:

- (1) Equipment listing or labeling
- (2) Evidence of equipment evaluation from a qualified testing laboratory or inspection agency concerned with product evaluation
- (3) Evidence acceptable to the authority having jurisdiction such as a manufacturer's self-evaluation or an engineering judgment signed and sealed by a qualified Licensed Professional Engineer.

Informational Note: Additional documentation for equipment may include certificates demonstrating compliance with applicable equipment standards, indicating special conditions of use, and other pertinent information.

Article 505.7 (A); changed to read as follows:

505.7 Special Precaution. Article 505 requires equipment construction and installation that ensures safe performance under conditions of proper use and maintenance.

Informational Note No. 1: It is important that inspection authorities and users exercise more than ordinary care with regard to the installation and maintenance of electrical equipment in hazardous (classified) locations.

Informational Note No. 2: Low ambient conditions require special consideration. Electrical equipment depending on the protection techniques described by 505.8(A) may not be suitable for use at temperatures lower than -20°C (-4°F) unless they are identified for use at lower temperatures. However, at low ambient temperatures, flammable concentrations of vapors may not exist in a location classified Class I, Zones 0, 1, or 2 at normal ambient temperature.

(A) Implementation of Zone Classification System. Classification of areas, engineering and design, selection of equipment and wiring methods, installation, and inspection shall be performed by a qualified Licensed Professional Engineer.

Article 517.30 Essential Electrical Systems for Hospitals; create a new (H) and add the following language:

(G) Coordination. Overcurrent protective devices serving the equipment branch of the essential electrical system shall be coordinated for the period of time that a fault's duration extends beyond 0.1 second.

Exception No. 1: Between transformer primary and secondary overcurrent protective devices, where only one overcurrent protective device or set of overcurrent protective devices exists on the transformer secondary.

Exception No. 2: Between overcurrent protective devices of the same size (ampere rating) in series.

Informational Note: The terms coordination and coordinated as used in this section do not cover the full range of overcurrent conditions.

(H) Selective Coordination. Overcurrent protective devices serving the life safety, and critical branches of the essential electrical system shall be selectively coordinated with all supply-side overcurrent protective devices.

Exception No. 1: Between transformer primary and secondary overcurrent protective devices, where only one overcurrent protective device or set of overcurrent protective devices exists on the transformer secondary.

Exception No. 2: Between overcurrent protective devices of the same size (ampere rating) in series.

Informational Note: The terms coordination and coordinated as used in this section do not cover the full range of overcurrent conditions.

Article 680 of "The Electrical Code" entitled Swimming Pools, Fountains, and Similar Installations shall be amended by amending 680.8 (A) Power to read as follows:

(A) Power. With respect to service drop conductors and open overhead wiring, swimming pool and similar installations shall comply with the minimum horizontal clearance of ten feet (10') measured to the inside wall of the pool.

Table 680.8 (A) Overhead Conductor Clearances; shall be deleted in its entirety.

Figure 680.8 (A) Clearances from pool structures; shall be deleted in its entirety.

Article 680.25 (A); changed to read as follows:

680.25 Feeders. These provisions shall apply to any feeder on the supply side of panelboards supplying branch circuits for pool equipment covered in Part II of this article and on the load side of the service equipment or the source of a separately derived system.

(A) Wiring Methods.

(1) Feeders. Feeders shall be installed in rigid metal conduit or intermediate metal conduit. The following wiring methods shall be permitted if not subject to physical damage:

1. Liquid tight flexible nonmetallic conduit;
2. Electrical metallic tubing where installed on or within a building;
3. Electrical nonmetallic tubing where installed below ground;

Exception: An existing feeder between an existing remote panelboard and service equipment shall be permitted to run in flexible metal conduit or an approved cable assembly that includes an equipment grounding conductor within its outer sheath. The equipment grounding conductor shall comply with 250.24 (A) (5).

Annex H 80.23 shall be changed by deleting the words "Notice of violations" in the first paragraph and by deleting (A) and changing (B) Penalties (2) to read as follows:

"Failure to comply with the requirements of this code shall result in each day the offense continues being a separate violation."

By changing (B) (3) to read as follows:

"(3) The penalty for violation of the Town Electric Code is as set out in the Highland Park Code of Ordinances section 1.01.009."

Sec. 3.03.035 Registration of electrical contractors

(a) The term “electrical contractor” as used in this division is hereby defined and construed to mean any person, firm, or corporation engaged in the business of installing or altering electrical equipment and appliances, for the utilization of electricity supplied by light, heat or power. The term “electrical contractor” does include employees employed by such contractor to do or supervise such work.

(b) No person, firm or corporation shall engage in any electrical contracting work in the Town without having first being registered with the Town as an electrical contractor with a valid master electrician’s license issued by the Texas Department of Licensing and Regulation. All applications for registration shall be made to the Town Building Inspection Department on forms furnished by the Department. The Town shall charge an annual registration fee as established by Town Council resolution. Such registrations are valid only for the calendar year in which they are issued.

(c) The electrical contractor registration issued by the Town under the provisions of this division shall expire 365 days from the date of issuance. The electrical registration of any person, firm, or corporation violating any of the provisions of this division may be revoked by the Town.

(d) Any registration issued under the terms of the electrical code may be revoked if the Town determines that the licensee is no longer qualified.

Sec. 3.03.036 Permit required

It shall be unlawful for any person or corporation licensed under the provisions of this division to install any electrical appliances, wiring, or fixtures within the Town not in compliance with the Town’s ordinances, and it shall be unlawful for such person, firm, or corporation to do any such work without first having obtained a permit by a registered electrical contractor as defined in [Section 3.03.035](#) (a) or as otherwise required by the Town. Plans and specifications to cover proposed work must be submitted to and approved by the Town Electrical Inspection Department prior to the issuance of a permit. A permit issued by the Town shall be construed to be a license to proceed with the work and shall not be construed as authority to violate, alter, cancel, or set aside any provisions of the electrical code, nor shall such issuance of a permit prevent the Town Electrical Inspector from thereafter requiring correction of errors in plans or in work performed which may be deemed by the Town in violation of the electrical code.

Sec. 3.03.037 Permit fees

Fees covering the installation, alteration and repair of electric wiring, electric apparatus, and electric equipment shall be established by Town Council resolution.

All but \$50.00 of the permit fee can be refunded if work has not commenced and request for refund is made in writing no more than thirty (30) days from issuance of permit.

Sec. 3.03.038 Concealing wiring prior to inspection

No electrical wiring or conduit shall be concealed in any manner prior to inspection and approval by the Town Electrical Inspector.

Sec. 3.03.039 Enforcement

The Town Electrical Inspector shall enforce the provisions of the electrical code, and he, or his duly authorized representative, may enter any building, structure, or premises to perform any duty imposed upon him by the electrical code. Upon notice from the Town Electrical Inspector that work is being performed in violation of the electrical code, such work shall be stopped immediately.

SECTION 3. That, should any sentence, paragraph, subdivision, clause, phrase or section of this ordinance be adjudged or be held to be unconstitutional, illegal or invalid, the same shall not affect the validity of this ordinance as a whole, or any part or provision thereof other than the part thereof decided to be unconstitutional, illegal, or invalid and the same shall not affect the validity of the Code of Ordinances of the Town of Highland Park as a whole.

SECTION 4. That, the penalty provision of Chapter 1, Section 1.01.009 of The Code of Ordinances is hereby adopted for this ordinance.

SECTION 5. That, this ordinance shall be deemed to be incorporated into The Code of Ordinances of the Town of Highland Park, Texas.

SECTION 6. That, this ordinance shall become effective August 1, 2016. Permits obtained from this date forward shall adhere to the establish requirements.

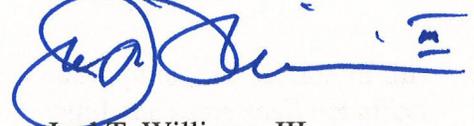
PASSED AND APPROVED by the Town Council of the Town of Highland Park, Texas, on this the 27th day of June, 2016.

APPROVED AS TO FORM:



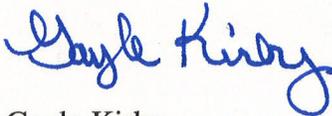
Ben Stool
Assistant Town Attorney

APPROVED:



Joel T. Williams, III
Mayor

ATTEST:



Gayle Kirby
Town Secretary