

ORDINANCE NO. ORD-2015-9752

AN ORDINANCE AMENDING THE LAND DEVELOPMENT CODE OF THE CITY OF IRVING, TEXAS, BY REPEALING SECTION 8-11 ENTITLED "NATIONAL ELECTRICAL CODE" OF CHAPTER 8 AND BY AMENDING SAID CODE BY ADDING SECTIONS 8B-21 THROUGH 8B-23, ADOPTING THE 2014 EDITION OF THE NATIONAL ELECTRICAL CODE AS THE ELECTRICAL CODE FOR THE CITY OF IRVING, TEXAS, AND PROVIDING AMENDMENTS, ADDITIONS, AND DELETIONS THERETO; ADOPTING PENALTY PROVISIONS; AND PROVIDING FOR SEVERABILITY, SAVINGS, AND AN EFFECTIVE DATE.

WHEREAS, the North Central Texas Council of Governments encourages local jurisdictions to adopt the 2014 National Electrical Code; and

WHEREAS, the Construction Board of Appeals, among its other duties, has been created to obtain public comment on the periodic update of the code; and

WHEREAS, the Construction Board of Appeals has conducted a public meeting to receive public comments from persons affected by the proposed amendments to the code, and recommends adoption of the 2014 National Electrical Code as the electrical code for the City with the following local amendments;

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF IRVING, TEXAS:

SECTION 1. That Section 8-11 of Chapter 8 of The Land Development Code of the City of Irving, Texas, is hereby repealed.

SECTION 2. That Chapter 8B entitled "Building Codes" of The Land Development Code of the City of Irving, Texas, is hereby amended by adding new Sections 8B-21, 8B-22, and 8B-23 to read as follows:

**Sec. 8B-21. National Electrical Code.**

The 2014 edition of the National Electrical Code including Informative Annex "H" is adopted as the electrical code of the City of Irving, Texas, as amended herein.

**Sec. 8B-22. Amendments, additions, and deletions to the 2014 edition of the National Electrical Code.**

(a) Amendments included in this section are intended to be specific code provisions. If there is a conflict between a provision in the published 2014 National Electrical Code and this section, the specific provisions of this section shall control.

(b) The following table contains the local amendments to the National Electrical Code, which is modified as set forth herein:

- (1) When identified by the letter "R," the corresponding section of the 2014 National Electrical Code is deleted in its entirety and replaced by the local amendment as set forth in Column 3 of the table below.

- (2) When identified by the letter “S,” the corresponding section of the 2014 National Electrical Code is supplemented by the additional provision as set forth in Column 3 of the table below.
- (3) When identified by the letter “M,” the corresponding section of the 2014 National Electrical Code is modified by amending the language of the provision to read as set forth in Column 3 of the table below.

Table Legend:

Column 1: Item Reference Number

Column 2: Related code section/caption

Column 3: Amended code provision

Column 4: “R” – 2014 National Electrical Code section is replaced by the provision in Column 3; “S” – 2014 National Electrical Code section is supplemented by the provision in Column 3; “M” – 2014 National Electrical Code section is modified by the provision in Column 3

TABLE OF LOCAL AMENDMENTS TO THE 2014 NATIONAL ELECTRICAL CODE

1	NEC 90.4 Enforcement	When electrical work which requires a permit is being performed, including: installing, maintaining, altering or repairing of any electrical conductors or equipment, apprentice electricians require on-site supervision by a qualified licensee as defined below. Informational Note: Grade classifications are defined by the State of Texas in Title 8, Occupational Code Chapter 1305 administered by the Texas Department of Licensing and Regulation,		S
		Type of Work	Level of On-Site Supervision Required	
		One and two family dwellings and related accessory buildings	One Wireman, Journeyman, or Master per address	
		Commercial structures	One Journeyman or Master per address	
2	NEC 100 Definitions	<ul style="list-style-type: none"> <li>a. Authority Having Jurisdiction (AHJ) shall mean the City of Irving director of inspections or a duly authorized representative.</li> <li>b. Engineering supervision shall mean supervision by a qualified State of Texas licensed professional engineer engaged primarily in the design or maintenance of electrical installations.</li> <li>c. Intersystem bonding termination shall mean 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.</li> </ul>		S

3	NEC 110.2 Approval	Approved conductors and equipment shall bear the certification mark of a nationally recognized testing lab (NRTL) or a qualified third party inspection agency approved by the authority having jurisdiction.	R
4	NEC 210.52(G)(1) Garages	At least one receptacle outlet shall be installed for and on a wall adjacent to each car space.	S
5	NEC 230 Services	For new building construction and for new service conductor installations, conductors shall be installed underground.	S
6	NEC 230.2(A) Special conditions	For multifamily dwellings, two or more laterals or sets of service conductors shall be permitted to a building when both of the following conditions are met: a. The building has six or more individual gang meters and all meters are grouped at the same location; and b. Each lateral or service conductors originate from the same point of service area.	S
7	NEC 230.71 Maximum number of disconnects	The number of individual service disconnecting means is limited to six for each occupant. The number of individual disconnects at one location may exceed six.	S
8	NEC 300 General requirements for wiring methods and materials	Ceiling grid support wires may be used for structural supports when the associated wiring is located in that area with not more than two raceways or cables supported per wire with a maximum nominal metric designation 16 (trade size 1/2").	S
9	NEC 300.5 (J) Earth movement	Expansion joints shall be installed on all underground conduit runs at the first point the conduit run emerges vertically from below grade to above grade.	S
10	NEC 300.7 (B) Expansion fittings	Expansion joints shall be installed on all underground conduit runs at the first point the conduit run emerges vertically from below grade to above grade.	S
11	NEC 334.10 Uses permitted	Type NM, Type NMC, and Type NMS cables shall be permitted to be used in any fully-sprinklered, multifamily dwelling not exceeding four floors above grade.	S
12	NEC 334.12 Uses not permitted	Types NM, NMC, and NMS. Types NM, NMC, and NMS cables shall not be used in metal frame structures unless installed within a raceway.	S
13	NEC 500.8(A) Suitability	An engineering judgment shall be signed and sealed by a qualified registered professional engineer.	S
14	NEC 505.7(A) Implementation of zone classification system	A qualified registered professional engineer shall perform the following functions related to a zone classification system: a. Classification of areas, b. Engineered design of equipment and wiring methods, c. Selection of equipment and wiring methods, d. Inspection of the installation of selected equipment and wiring, and e. Provision of documentation to the authority having jurisdiction	R

15	NEC 517.30(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.	R
16	NEC 517.30(G) 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.	S
17	NEC 680.25 Feeders	The following wiring methods may be used if not subject to physical damage: a. Nonmetallic-sheathed cable b. Type SE cable	S
18	NEC Annex H 80.2 Definitions	Homeowner shall mean any person who has qualified his property as a homestead and who resides therein.	S
19	NEC Annex H 80.15 Electrical Board	Refer to Section 8B-4 of Chapter 8B of The Land Development Code of The City Of Irving, Texas.	R
20	NEC Annex H 80.15 (E) Fees	Refer to Section 8B-3 of Chapter 8B of The Land Development Code of The City of Irving, Texas.	R
21	NEC Annex H 80.19 Permits and approvals	Allowable homeowner electrical work shall be limited to the installation or repair of feeders and branch circuits.  Exception: Homeowners who provide a record of one year of electrical construction experience and pass a local qualifying exam.	S
22	NEC Annex H 80.19 Permits and approvals	Permits that have been approved for which payment has not been received within 14 days may be cancelled.	S

**Sec. 8B-23. Penalty.**

(a) A person commits an offense if the person violates a provision of the 2014 National Electrical Code, as adopted and amended by the City of Irving, allows another person to violate a provision of the 2014 National Electrical Code, as adopted and amended by the City of Irving, or fails to perform an act required of the person by the 2014 National Electrical Code, as adopted and amended by the City of Irving. A person commits a separate offense each day or portion of a day during which the violation is committed, allowed, or continued.

(b) An offense described in section 8B-23(a) is a class "C" misdemeanor and shall be punishable by a fine not to exceed \$500.00. However, a fine for the violation of a provision of this chapter that governs fire safety, zoning, or public health and sanitation, including dumping or refuse, may not exceed \$2,000.00.

(c) The penalties provided for in this section are in addition to any other enforcement remedies that the city may have under other city ordinances or state law.

SECTION 3. That terms and provisions of this ordinance shall be deemed to be severable and that if the validity of any section, subsection, sentence, clause, or phrase of this ordinance should be declared to be invalid, the same shall not affect the validity of any other section, subsection, sentence, clause, or phrase of this ordinance.

SECTION 4. That it is the intent of the Irving City Council that pending prosecutions, brought under the previous code, which this ordinance replaces, should continue under the terms and penalties of said code and be saved from dismissal as if said prior ordinances had not been repealed.

SECTION 5. That this ordinance shall become effective on January 11, 2016.

PASSED AND APPROVED BY THE CITY COUNCIL OF THE CITY OF IRVING, TEXAS, on December 10, 2015.

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BETH VAN DUYNE  
MAYOR

ATTEST:

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Shanae Jennings  
City Secretary

APPROVED AS TO FORM:

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Charles R. Anderson  
City Attorney