

ORDINANCE NO. 617-23

AN ORDINANCE OF THE CITY OF SANSOM PARK, TEXAS AMENDING CHAPTER 3 "BUILDING REGULATIONS" OF THE SANSOM PARK CODE OF ORDINANCES, ARTICLE 3.02 "TECHNICAL AND CONSTRUCTION CODES AND STANDARDS", DIVISION 6 "ELECTRICAL CODE" BY REPEALING AND REPLACING SECTION 3.02.251 TO ADOPT THE 2020 EDITION OF THE NATIONAL ELECTRICAL CODE AND LOCAL AMENDMENTS THERETO; REPEALING ALL CONFLICTING ORDINANCES; PROVIDING A PENALTY NOT TO EXCEED \$500.00 FOR EACH VIOLATION; PROVIDING FOR A SAVINGS CLAUSE; PROVIDING FOR A SEVERABILITY CLAUSE; PROVIDING FOR PUBLICATION IN THE OFFICIAL NEWSPAPER; AND PROVIDING AN EFFECTIVE DATE.

WHEREAS, the City of Sansom Park, Texas (the "City") is a Type "A" General Law city located in Tarrant County, Texas; and

WHEREAS, a new edition of the *National Electrical Code* (NEC) is produced every three (3) years, and the 2020 Edition of the NEC has recently been issued by the National Fire Protection Association ("NFPA"); and

WHEREAS, the National Fire Protection Association ("NFPA"), and in addition it is reviewed by the Regional Codes Coordinating Committee of the North Central Texas Council of Governments ("NCTCOG"); and

WHEREAS, the adoption of the 2020 Edition of the NEC, including local amendments, will provide the most current life safety applications with respect to construction, occupancy, use and maintenance of buildings and structures in the City; and

WHEREAS, the current electrical code in the City is the 2008 edition of the NEC, and the city's electrical code should be updated to the most current published code available; and

WHEREAS, the City Council of the City of Sansom Park, Texas, has determined that it is in the best interest of the citizens of the City of Sansom Park to update and adopt the 2020 edition of the NEC as the minimum standards for continued construction, occupancy, use and maintenance of buildings and structures, as set forth herein and as the code specifically modified by the ordinance.

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

SECTION 1.

The above and foregoing premises are true and correct and are incorporated herein and made a part hereof for all purposes:

SECTION 2.

All ordinances and provisions of the City of Sansom Park, Texas that are in conflict with this ordinance shall be and the same are hereby repealed, and all ordinances and provisions of ordinances of said City not so repealed are hereby retained in full force and effect.

SECTION 3.

From and after the effective date of this ordinance, Section 3.02.251 of the Code of Ordinances of the City of Sansom Park, entitled "Adopted; amendments," is hereby repealed and replaced with a new 3.02.251 entitled "National Electrical Code Adopted," to read as follows:

"Sec. 3.02.251 National Electrical Code Adopted

The 2020 edition of the National Electrical Code (NEC, 2020 edition), a copy of which is on file with the City Secretary, is hereby adopted and designated as the electrical code of the city the same as though the provisions of the NEC, 2020 edition, were copied at length in this section, subject to and modified by amending only the enumerated sections and provisions, as follows, and all sections and provisions not expressly amended or deleted shall remain in full force and effect. Where an amendment is not clear or is silent regarding a certain requirement, the requirements of the NEC, 2020 edition, shall be met.

Amendments to the 2020 National Electrical Code

The following articles, paragraphs, and sentences of the *2020 National Electrical Code (NEC)* are hereby amended as follows: Standard type is text from the NEC. Highlighted with gray shading is text inserted. Lined through type is deleted text from NEC. A double asterisk (**) at the beginning of an article identifies an amendment carried over from the 2017 edition of the code and a triple asterisk (***) identifies a new or revised amendment with the 2020 code.

****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.

(REASON FOR CHANGE: To better define the qualifications for engineering supervision. This term is used twenty-four times in the 2017 National Electrical Code.)

****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 or a field evaluation by a Field Evaluation Body accredited by either the International Code Council International Accreditation Service AC354 or ANSI National Accreditation Board programs and 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 or a field evaluation by a Field Evaluation Body accredited by either the ICC IAS AC354 or ANAB programs and approved by the AHJ
~~Manufacturer's self-certification of any equipment shall not be used as a basis for approval 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 U.S. product safety standards as certified by an NRTL.

Informational Note No. 3: National Fire Protection Association (NFPA) 790 and 791 provide an example of an approved method for qualifying a third-party inspection agency.

(REASON FOR CHANGE: To add clarity and provide more positive options for enforcement and approval of unlisted equipment.)

*****Article 400.8 Field Identification Required: Change the following to read as follows**

400.4 Field Identification Required.

(A) Circuit Directory or Circuit Identification.

Every circuit and circuit modification shall be legibly identified as to its clear, evident, and specific purpose or use. The identification shall include an approved degree of detail that allows each circuit to be distinguished from all others. Spare positions that contain unused overcurrent devices or switches shall be described accordingly. The identification shall be included in a circuit directory that is located on the face or inside of, or in an approved location adjacent *and permanently affixed* the panel door in the case of a panelboard and at each switch or circuit breaker in a switchboard or switchgear. No circuit shall be described in a manner that depends on transient conditions of occupancy.

(REASON FOR CHANGE: To add clarity and provide more positive options for enforcement and approval)

*****Article 410.118: Change the following to read as follows**

410.118 Access to other boxes.

Luminaires recessed in the ceilings, floors, or walls shall not be used to access outlet, pull, or junction boxes or conduit bodies, unless the box or conduit body is an integral part of the listed luminaire.

Exception: removable luminaires with a minimum measurement of 22 in. X 22 in. shall be permitted to be used as access to outlet, pull, junction boxes or conduit bodies.

REASON FOR CHANGE: To add clarity and provide more positive options for enforcement and approval. This will allow access to boxes not integral with the luminaire. This measurement aligns with the limited access above a lay-in ceiling measurement in 110.26(A)(4).

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*****Article 422.31 B: Change the following to read as follows**

422.31 B Appliances Rated over 300 Volt-Amperes

(B) Appliances Rated over 300 Volt-Amperes. For permanently connected appliances rated over 300 volt-amperes, the branch-circuit switch or circuit breaker shall be permitted to serve as the disconnecting means where the switch or circuit breaker is within sight from and is readily accessible to the appliance it serves or is capable of being locked in the open position in accordance with 110.25 and is readily accessible to the appliance it serves.

Informational Note No. 1: For appliances employing unit switches, see 422.34.

Informational Note No 2: The following means of access are considered to constitute readily accessible for this code change when conforming to the additional access requirements of the I Codes:

- (1) A permanent stair.
- (2) A pull-down stair with a minimum 300 lb. (136 kg) capacity.
- (3) An access door from an upper floor level.

REASON FOR CHANGE: To add clarity and provide more positive options for enforcement and approval)

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

500.8 Equipment.

Articles 500 through 504 require equipment construction and installation 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; or,
- (3) Evidence acceptable to the authority having jurisdiction such as a manufacturer's self-evaluation or an owner's engineering judgment, an engineering judgment signed and sealed by a qualified Registered licensed Professional Engineer in the State of Texas.

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

(REASON FOR CHANGE: Carry over from previous amendment with change to better define the qualifications for an engineering judgment.)

****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 persons Registered licensed Professional Engineer in the State of Texas.

(REASON FOR CHANGE: Carry over from previous amendment with change to better define the qualifications for an engineering judgment.)

*****Article 695.6 A 1: Change the following to read as follows**

695.6 (A) Supply Conductors.

(1) Services and On-Site Power Production Facilities.

Service conductors and conductors supplied by on-site power production facilities shall be physically routed outside a building(s) and shall be installed as service-entrance conductors in accordance with 230.6, 230.9, and Parts III and IV of Article 230. Where supply conductors cannot be physically routed outside of buildings, the conductors shall be permitted to be routed through the building(s) where installed in accordance with 230.6(1) or (2).

~~*Exception: The supply conductors within the fire pump room shall not be required to meet 230.6 (1) or (2)*~~

(REASON FOR CHANGE: To add clarity and provide more positive options for enforcement and approval. All Fire Pump rooms are not Fire Rated as on all 4 sides. There are Fault Currents that could exceed 150,000-190,000 amps and protection of these Service Conductors is essential and conflict with other codes specifically 230.70(A)(1).)

*****Article 71.15 A: Change the following to read as follows**

710.15 General

710.15(A) Supply Output.

Power supply to premises wiring systems fed by stand-alone or isolated microgrid power sources shall be permitted to have less capacity than the calculated load. ~~The capacity of the sum of all sources of the stand-alone supply shall be equal to or greater than the load posed by the largest single utilization equipment connected to the system. Calculated general lighting loads shall not be considered as a single load have adequate capacity to meet the calculated load in accordance with Article 220.~~

~~Informational Note: For general-use loads the system capacity can be calculated using the sum of the capacity of the firm sources, such as generators and ESS inverters. For specialty loads intended to be powered directly from a variable source, the capacity can be calculated using the sum of the variable sources, such as PV or wind inverters, or the combined capacity of both firm and variable sources.~~

(REASON FOR CHANGE: To add clarity and provide more positive options for enforcement and approval. Unless amended, standby systems would not be required to meet any load demanded by their standby definitions.)

SECTION 4. CUMULATIVE CLAUSE

This Ordinance shall be cumulative of all provisions of all other ordinances of the City of Sansom Park, Texas except where the provisions of this Ordinance are in direct conflict with the provisions of such ordinances, in which event the conflicting provisions of such ordinances are hereby repealed.

SECTION 5. PENALTY CLAUSE

Any person, firm or corporation who violates, disobeys, omits, neglects or refuses to comply with or who resists the enforcement of any of the provisions of this Ordinance shall be fined not more than Five Hundred Dollars (\$500.00) for each offense. Each day that a violation is permitted to exist shall constitute a separate offense.

SECTION 6. SEVERABILITY CLAUSE

It is hereby declared to be the intention of the City Council of the City of Sansom Park that the phrases, clauses, sentences, paragraphs, and sections of this Ordinance are severable, and if any phrase, clause, sentence, paragraph or section of this Ordinance shall be declared invalid or unconstitutional by the valid judgment or decree of any court of competent jurisdiction, such invalidity or unconstitutionality shall not affect any of the remaining phrases, clauses, sentences, paragraphs and sections of this Ordinance, since the same would have been enacted by the City Council without the incorporation in this ordinance of any such unconstitutional phrase, clause, sentence, paragraph or section.

SECTION 7. SAVINGS CLAUSE

All rights or remedies of the City of Sansom Park, Texas are expressly saved as to any and all violations of the provisions of any ordinance affecting zoning or land use, which have accrued at the time of the effective date of this Ordinance; and as to such accrued violations and all pending litigation, both civil and criminal, whether pending in court or not, under such Ordinances, same shall not be affected by this Ordinance but

may be prosecuted until final disposition by the Courts.

**SECTION 8.
ENGROSSMENT AND ENROLLMENT**

The City Secretary of the City of Sansom Park is hereby directed to engross and enroll this Ordinance by copying the caption, publication clause and effective date clause in the minutes of the City Council and by filing the Ordinance in the Ordinance Records of the City.

**SECTION 9.
PUBLICATION**

The City Secretary of the City of Sansom Park is hereby directed to publish in the official newspaper of the City of Sansom Park, the caption, the penalty clause, publication clause, and effective date clause of this ordinance as provided by law.

**SECTION 10.
EFFECTIVE DATE**

This Ordinance shall be in full force and effect from and after its passage and publication as required by law, and it is so ordained.

PASSED AND APPROVED on 2nd day of February 2023.

CITY OF SANSOM PARK

By: _____

Jim Barnett, Jr., Mayor

ATTEST:

Wendy Blocker
Wendy Blocker, TRMC City Secretary



APPROVED AS TO FORM AND LEGALITY:

Will A. Pruitt
Will A. Pruitt, City Attorney