



# **OKLAHOMA UNIFORM BUILDING CODE COMMISSION RULES**

## **Title 748 - Uniform Building Code Commission**

### **Chapter 20 - Adopted Codes**

#### **Subchapter 9 - National Electrical Code®, 2014 Edition (NEC®, 2014)**

**748:20-9-1 through 748:20-9-8**

**With Emergency Rule updates effective 8/3/2020 through 9/14/2021**

**748:20-9-8 through 748:20-10-15**

#### **NOTICES:**

1. Section headers within this document marked "Revoked" do not revoke the current chapter in the 2014 Edition of the National Electrical Code® (NEC®, 2014), associated with this revocation language. This language simply means the modifications made in a previous adoption have been "revoked" and the language reverts to the published content of the currently adopted code without amendment.
2. The rules of the Oklahoma Uniform Building Code found on this website are **unofficial**. The official rules are published in The Oklahoma Administrative Code and The Oklahoma Register, as required by 75 O.S. § 250 et seq. To order an official copy of these rules, contact the Office of Administrative Rules at: (405) 521-4911.

## CHAPTER 20 - ADOPTED CODES

[Authority: 59 O.S. 59 § 1000.23]  
[Source: Codified 7-15-11]

### SUBCHAPTER 9 - NEC® 2014

[Source: Added at 29 Ok Reg 1659, eff 11-1-12, Amended at 32 Ok Reg 2293, eff 11-1-15]

#### **748:20-9-1. Adoption of National Electrical Code®, 2014 Edition (NEC® 2014)**

(a) The Oklahoma Uniform Building Code Commission (the "OUBCC") hereby adopts the National Electrical Code®, 2014 Edition - NFPA 70® (NEC® 2014), as amended and modified in this subchapter as the statewide minimum code for commercial electrical construction in the State of Oklahoma pursuant to 59 O.S. § 1000.23.

(b) This material contains information which is proprietary to and copyrighted by the National Fire Protection Association. The acronym "NFPA" and the NFPA logo are trademarks and service marks of NFPA. ALL RIGHTS RESERVED.

[Source: Added at 29 Ok Reg 1659, eff 11-1-12, Amended at 32 Ok Reg 2270, eff 11-1-15, Amended at 34 Ok Reg 2107, eff 9-15-17]

#### **748:20-9-2. Effect of Adoption**

The NEC® 2014 as amended and revised by these rules, is hereby established and adopted as the statewide minimum code for commercial electrical construction in Oklahoma pursuant to 59 O.S. § 1000.23, and may only be amended or altered by other jurisdictions pursuant to Oklahoma law and the administrative rules of the OUBCC as set forth in Title 748, Chapter 15 of the Oklahoma Administrative Code.

[Source: Added at 29 Ok Reg 1659, eff 11-1-12, Amended at 32 Ok Reg 2270, Eff 11-1-15]

#### **748:20-9-3. NEC® 2014 Informative Annexes**

(a) None of the informative annexes of the NEC® 2014 have been adopted by the Commission for inclusion in the statewide minimum code for commercial electrical construction in the State of Oklahoma.

(b) Informative Annexes A through J are not adopted as the statewide minimum code for commercial electrical construction within the State of Oklahoma. However, other jurisdictions within the State of Oklahoma may adopt any or all of said annexes in accordance with 59 O.S. § 1000.29.

(c) Issuance of annual permits. Annual permit requirements are located in Informative annex H, Section 80.19 (D) and while the OUBCC is not adopting the informative annexes, issuance of annual permits has been authorized and annual permits section modified to provide the following requirements:

(1) 80.19 (D) Annual permit. This section has been modified to clarify what an annual permit is. This section shall read: An annual permit is a yearly permit which represents a group of individual permits for each alteration to an already approved electrical, gas, mechanical or plumbing installation. The building official is authorized to issue an annual permit upon application therefor to any person, firm or corporation regularly employing one or more qualified tradespersons in the building, structure or on the premises owned or operated by the applicant for the permit.

(2) 80.19 (D)(1) Annual permit records. This section has been added to require the building official to collect the OUBCC permit fee for each individual permit that is part of the annual permit at the completion of the annual permit term. This section has been added to read: Annual permit records. The person to whom an annual permit is issued shall keep a detailed record of alterations made under such annual permit. The building official shall have access to such detailed records of alterations at all times. At the completion of the entity's annual permit term, the applicant shall file such detailed records of alterations with the building official. Pursuant to

the authority of 59 O.S. § 1000.25, the building official shall collect fees for each individual permit which is part of the annual permit once the detailed records are submitted and remit such fees to the OUBCC.

[Source: Added at 29 Ok Reg 1659, eff 11-1-12, Amended at 32 Ok Reg 2270, eff 11-1-15]

#### **748:20-9-4. NEC® 2014 Provisions Adopted and Modified**

All chapters and provisions within chapters, including exceptions, of the NEC® 2014 not specifically addressed within these rules as being modified, deleted, moved or removed are hereby adopted without modification as the statewide minimum code for commercial electrical construction within the State of Oklahoma pursuant to 59 O.S. § 1000.23. Chapters and provisions within chapters, including exceptions adopted with modifications are specifically addressed in these rules.

[Source: Added at 29 Ok Reg 1659, eff 11-1-12, Amended at 32 Ok Reg 2270, eff 11-1-15]

#### **748:20-9-5. Participation in Federal Programs and/or Federally Funded or Financed Projects**

In order to maximize federal financial aid, assistance, participation, financing and/or funding in any public project(s) and/or federal financial aid, participation, funding for and participation in any federal program(s) by the State of Oklahoma, its agencies, public trusts and instrumentalities, or by any Oklahoma municipalities and other political subdivisions, that receive financial aid, assistance, participation, financing and/or funding for and participate in any federal program(s), the State of Oklahoma, its agencies and instrumentalities, and any Oklahoma municipalities and other political subdivisions, may cooperate with the United States Government and any agency or instrumentality thereof, in the manner authorized and provided by federal law and regulation and in doing so may perform all necessary functions and take all necessary actions for accomplishing such federal purposes and programs, including but not limited to, following and/or complying with federal laws, regulations and/or requirements arising from or related to federal financial aid, assistance, participation, financing and/or funding, in the construction, alteration, movement, enlargement, replacement, repair, equipment, use and occupancy, location, improvement, expansion, operation, maintenance, removal, and demolition of buildings and structures or any appurtenances attached to such buildings or structures, notwithstanding any provisions of any and all uniform building codes and standards adopted by the OUBCC to the contrary.

[Source: Added at 29 Ok Reg 1659, eff 11-1-12, Amended at 32 Ok Reg 2270, eff 11-1-15]

#### **748:20-9-6. NEC® 2014 Article 90 Introduction**

Article 90 of the Oklahoma adopted NEC® 2014, includes the following Preamble at the very beginning of the chapter:

(1) Pursuant to 59 O.S. § 1000.23, the OUBCC has adopted the NEC® 2014 as amended and revised by the OUBCC, as the minimum code to be used by all entities for commercial electrical construction in jurisdictions throughout the State of Oklahoma. However, the OUBCC's adoption of Article 90 "Introduction" of the NEC ® 2014 is for continuity purposes and the OUBCC's adoption of Article 90 recognizes the methods of best practice in fully implementing the statewide minimum code for commercial electrical construction.

(2) All provisions of the adopted NEC® 2014, including Article 90, as amended and revised by the OUBCC, are hereby established and adopted as the statewide minimum code for commercial electrical construction in Oklahoma pursuant to 59 O.S. § 1000.23, which may only be amended or altered pursuant to Oklahoma law and the administrative rules of the OUBCC as set forth in Title 748, Chapter 15 of the Oklahoma Administrative Code. However, the provisions of Article 90 adopted herein are only intended to be in force and effect to the extent that the respective provisions do not conflict with State law or the lawful exercise of code administration and enforcement jurisdiction by entities empowered to do so pursuant to applicable law.

(3) The OUBCC's adoption of Article 90 in this manner is made with the recognition that the legal authority granting state and local code administration and enforcement jurisdictions the power and discretion to administer and enforce codes arises from Oklahoma laws governing those jurisdictions. Furthermore, the OUBCC also recognizes that many state and local code administration and enforcement jurisdictions have already created, or have the lawful authority to create, departments, offices and administrative policies pursuant to various applicable laws and other adopted model codes with "Introduction" provisions similar to Article 90 of the adopted NEC® 2014.

(4) This limited adoption of Article 90 is made in recognition of the authority and discretion possessed by jurisdictions to administer and enforce building codes. Exercising such authority and jurisdiction in a manner inconsistent with Article 90 must be supported by Oklahoma law. Code administration and enforcement jurisdictions shall not use the OUBCC's limited adoption of Article 90 to circumvent the remainder of the requirements established by the Oklahoma adopted NEC® 2014 and the OUBCC will strongly oppose any such practice.

[Source: Added at 29 Ok Reg 1659, eff 11-1-12, Amended at 32 Ok Reg 2270, eff 11-1-15]

#### **748:20-9-6.1. NEC® 2014 Chapter 1 General**

Chapter 1 is adopted with the following modifications:

(1) Article 100 Definitions. This section has been modified to include a definition of a nationally recognized testing laboratory. This section has been modified to read: Nationally Recognized Testing Laboratory. A testing facility given this designation from the United States Occupational Safety and Health Administration (OSHA) that provides product safety testing and certification services to manufacturers.

(2) Section 110.12 (B) Integrity of Electrical Equipment and Connections. This section has been modified to allow for the reuse of existing electrical equipment, rather than requiring new replacements when certain conditions are met. This section has been modified to read: 110.12 (B) Integrity of Electrical Equipment and Connections. Internal parts of electrical equipment, including busbars, wiring terminals, insulators, and other surfaces, shall not be damaged or contaminated by foreign materials such as paint, plaster, cleaners, abrasives, or corrosive residues. There shall be no damaged parts that may adversely affect safe operation or mechanical strength of the equipment such as parts that are broken; bent; cut; or deteriorated by corrosion, chemical action or overheating. Damaged materials, equipment, appliances, and devices shall not be reused unless such elements have been reconditioned, tested, and placed in good and proper working condition and approved by a nationally recognized testing laboratory, or by the manufacturer of the equipment. Electrical equipment damaged by natural or man-made events shall be reused only as recommended by the manufacturer of such equipment.

[Source: Added at 32 Ok Reg 2270, eff 11-1-15]

#### **748:20-9-6.2. NEC® 2014 Chapter 2 Wiring and Protection**

Chapter 2 is adopted with the following modification: Section 210.19 (A)(4) Other Loads. This section has been modified to provide adequate loads per circuits. This section has been modified to read: Branch-circuit conductors that supply loads other than those specified in 210.2 and other than cooking appliances as covered in 210.19 (A)(3) shall have an ampacity sufficient for the loads served and shall not be smaller than 14 AWG. 20 ampere general-purpose branch circuits for dwellings shall supply a maximum of 10 outlets. 15 ampere general-purpose branch circuits for dwellings shall supply a maximum of 8 outlets. 20 ampere general-purpose branch circuits for other than dwellings shall supply a maximum of 8 outlets.

[Source: Added at 32 Ok Reg 2270, eff 11-1-15]

## **748:20-9-7. NEC® 2014 Chapter 5 Special Occupancies**

Chapter 5 is adopted with modifications as follows:

(1) Section 505.7 (A) Implementation of zone classification system. This section has been modified to require a registered professional engineer to engineer and design, and select the equipment and wiring methods for classification areas. It allows for the installation of the equipment, wiring methods and inspections to be performed by qualified persons. This section has been modified to read: 505.7 (A) Implementation of zone classification system.

Classification of areas, engineering and design, selection of equipment and wiring methods shall be performed by a Registered Professional Engineer with expertise in Hazardous (Classified) Locations and Zone Systems. The installation of equipment and wiring methods, and inspections shall be performed by qualified persons.

(2) Section 506.7 (A) Implementation of zone classification system. This section has been modified to require a registered professional engineer to engineer and design, and select the equipment and wiring methods for classification areas. It allows for the installation of the equipment, wiring methods and inspections to be performed by qualified persons. This section has been modified to read: 506.7 (A) Implementation of zone classification system. Classification of areas, engineering and design, selection of equipment and wiring methods, shall be performed by a Registered Professional Engineer with expertise in Hazardous (Classified) Locations and Zone Systems. The installation of equipment and wiring methods and inspection shall be performed by qualified persons.

(3) Section 511.2 Major Repair Garage. This section has been modified to include maintenance or repairs that require open-flame cutting or welding as part of the definition of a major repair garage. This section has been modified to read: 511.2 Major Repair Garage. A building or portions of a building where major repairs, such as engine overhauls, painting, body and fender work, maintenance or repairs that require open-flame cutting or welding, and repairs that require draining of the motor vehicle fuel tank are performed on motor vehicles, including associated floor space used for offices, parking, or showrooms [30A: 3.3.12.2].

[Source: Added at 29 Ok Reg 1659, eff 11-1-12, Amended at 32 Ok Reg 2270, eff 11-1-15; Amended at 33 Ok Reg 1852, eff 11-1-16, Amended at 34 Ok Reg 2107, eff 9-15-17]

## **748:20-9-8. NEC® 2014 Chapter 6 Special Equipment**

Chapter 6 is adopted with the following modification: Section 680.23 (A)(4) Voltage Limitations. This section has been modified to prohibit the use of underwater luminaries if they operate above the low voltage contact limit as defined in Section 680.2. This section has been modified to read: 680.23 (A)(4) Voltage Limitations. No luminaries shall operate above the low voltage contact limit as defined in Section 680.2.

[Source: Added at 32 Ok Reg 2270, eff 11-1-15]

## **Subchapter 10. NEC® 2014**

### **748:20-10-1. Adoption of the National Electrical Code® (NEC®) [RESERVED]**

### **748:20-10-2. Effect of Adoption [RESERVED]**

### **748:20-10-3. NEC® Informative Annexes [RESERVED]**

### **748:20-10-4. NEC® Provisions Adopted and Modified [RESERVED]**

**748:20-10-5. Participation in Federal Programs and/or Federally Funded or Financed Projects [RESERVED]**

**748:20-10-6. NEC® Article 90 [RESERVED]**

**748:20-10-7. NEC® Chapter 1 [RESERVED]**

**748:20-10-8. NEC® Chapter 2 [RESERVED]**

**748:20-10-9. NEC® Chapter 3 [RESERVED]**

**748:20-10-10. NEC® 2014 Chapter 4 Equipment for General Use**

Chapter 4 of the NEC® 2014 is adopted with the following modifications:

(1) Section 410.2 Definition. This section has been modified to add two definitions to the section:

(A) The definition of HORTICULTURAL LIGHTING EQUIPMENT has been added to clarify lighting equipment identified for horticultural use is to be designed to provide supplemental general illumination within the growing environment. This definition has been added to read: HORTICULTURAL LIGHTING EQUIPMENT. Lighting equipment identified for horticultural use is designed to provide a spectral characteristic needed for the growth of plants and can also provide supplemental general illumination within the growing environment.

(B) The definition of LUMINAIRE REMOTE POWER SOURCES has been added to clarify Luminaire remote power sources include LED Drivers, fluorescent ballasts or HID ballasts. This definition has been added to read: LUMINAIRE REMOTE POWER SOURCES.

Luminaire remote power sources include LED Drivers, fluorescent ballasts, or HID ballasts.

(2) Part XVI. Special Provisions for Horticultural Lighting Equipment. This part header has been added to Article 410 Luminaires, Lampholders, and Lamps to signify the start of a new section of code related to provisions for horticultural lighting equipment. This part heading has been added to read: Part XVI. Special Provisions for Horticultural Lighting Equipment

(3) Section 410.170 General. This section has been added to clarify luminaires complying with Parts I, II, III, IV, V, VI, VII, IX, X, XI, and XII of this article shall be permitted to be used for horticultural lighting. The section clarifies Part XVI of the article shall apply to lighting equipment specifically identified for horticultural use. This section has been added to read: 410.170 General. Luminaires complying with Parts, I, II, III, IV, V, VI, VII, IX, X, XI, and XII of this article shall be permitted to be used for horticultural lighting. Part XVI shall additionally apply to lighting equipment specifically identified for horticultural use.

(4) Section 410.172 Listing. This section has been added to clarify lighting equipment identified for horticultural use is required to be listed. This section has been added to read: 410.172 Listing. Lighting equipment identified for horticultural use shall be listed.

(5) Section 410.174 Installation and use. This section has been added to clarify lighting equipment identified for horticultural use shall be installed and used in accordance with the manufacturer's installation instructions and installation markings on the equipment as required by the listing. This section has been added to read: 410.174 Installation and use. Lighting equipment identified for horticultural use shall be installed and used in accordance with the manufacturer's installation instructions and installation markings on the equipment as required by that listing.

(6) Section 410.176 Locations not permitted. This section has been added to clarify the location and installation where lighting equipment identified for horticultural use is not permitted. This section has been added to read: 410.176 Locations not permitted.

(A) General Lighting. Lighting equipment identified for horticultural use shall not be installed as lighting for general illumination unless such use is indicated in the manufacturer's instructions.

(B) Installed Location. Lighting equipment identified for horticultural use shall not be installed where it is likely to be subject to physical damage or where concealed.

(7) Section 410.178 Flexible cord. This section has been added to clarify flexible cords will be permitted only when provided as part of a listed lighting equipment identified for horticultural use and identified for specific uses. This section has been added to read: 410.178 Flexible cord. Flexible cord shall only be permitted when provided as part of listed lighting equipment identified for horticultural use for any of the following uses:

(A) Connecting a horticultural lighting luminaire directly to a branch circuit outlet.

(B) Interconnecting horticultural lighting luminaires.

(C) Connecting a horticultural lighting luminaire to a remote power source.

(8) Section 410.180 Fittings and connectors. This section has been added to clarify fittings and connectors attached to flexible cords shall be provided as part of a listed horticultural lighting equipment device or system and be installed in accordance with the instructions provided as part of the listing. This section has been added to read: 410.180 Fittings and connectors. Fittings and connectors attached to flexible cords shall be provided as part of a listed horticultural lighting equipment device or system and installed in accordance with the instructions provided as part of that listing.

(9) Section 410.182 Grounding. This section has been added to require lighting equipment identified for horticultural use to be grounded as required in Article 250 and Part V of this article. This section has been added to read: 410.182 Grounding. Lighting equipment identified for horticultural use shall be grounded as required in Article 250 and Part V of this article.

(10) Section 410.184 Ground-fault circuit-interrupter protection. This section has been added to clarify lighting equipment identified for horticultural use employing flexible cord(s) with one or more connectors to be supplied by lighting outlets with ground-fault circuit-interrupter protection. This section has been added to read: 410.184 Ground-fault circuit-interrupter protection. Lighting equipment identified for horticultural use employing flexible cord(s) with one or more connectors shall be supplied by lighting outlets with ground-fault circuit-interrupter protection.

(11) Section 410.186 Support. This section has been added to clarify special fittings identified for support of horticultural lighting equipment shall be designed specifically for the horticultural lighting equipment on which they are installed and shall be used in accordance with the installation instructions provided and shall be securely fastened. This section has been added to read: 410.186 Support. Special fittings identified for support of horticultural lighting equipment shall be designed specifically for the horticultural lighting equipment on which they are installed and shall be used in accordance with the installation instructions provided and shall be securely fastened.

(12) Section 410.188 Hazardous (classified) locations. This section has been added to clarify where horticultural lighting is installed in hazardous (classified) locations, the horticultural lighting equipment shall conform to Articles 500 through 517 in addition to this article. This section has been added to read: 410.188 Hazardous (classified) locations. Where installed in hazardous (classified) locations, horticultural lighting equipment shall conform to Articles 500 through 517 in addition to this article.

**748:20-10-11. NEC® Chapter 5 [RESERVED]**

**748:20-10-12. NEC® Chapter 6 [RESERVED]**

**748:20-10-13. NEC® Chapter 7 [RESERVED]**

**748:20-10-14. NEC® Chapter 8 [RESERVED]**

**748:20-10-15. NEC® Chapter 9 [RESERVED]**