

**TITLE 748. OKLAHOMA UNIFORM BUILDING CODE COMMISSION
CHAPTER 20. ADOPTED CODES**

SUBCHAPTER 2. IBC 2018

748:20-2-40. IBC® 2018 Chapter 35 Referenced Standards

Chapter 35 of the Oklahoma adopted IBC® 2018 is adopted with the following modifications:

- (1) The reference to ICC 500® has been modified to change the sections to be referenced. This section has been modified to read: ICC 500®-14 ICC/NSSA Standard on the Design and Construction of Storm Shelters, Code reference sections: 202, 423.5, 423.5.1, 423.5.2, 423.5.2.1, 423.5.3, 423.5.4, 423.5.5, 423.5.6, 423.5.6.1, 423.5.7, 423.5.8, 423.5.9, 423.5.10, and 423.5.11.
- (2) The reference to the International Existing Building Code® has been modified to include after the title the words "as adopted and modified by the State of Oklahoma through the OUBCC." This section has been modified to read: IEBC®-18 International Existing Building Code® as adopted and modified by the State of Oklahoma through the OUBCC.
- (3) The reference to the International Energy Conservation Code® has been modified to change the edition year to 2006. This section has been modified to read: IECC®-06 International Energy Conservation Code®.
- (4) The reference to the International Fire Code® has been modified to include after the title the words "as adopted and modified by the State of Oklahoma through the OUBCC." This section has been modified to read: IFC®-18 International Fire Code® as adopted and modified by the State of Oklahoma through the OUBCC.
- (5) The reference to the International Fuel Gas Code® has been modified to include after the title the words "as adopted and modified by the State of Oklahoma through the OUBCC." This section has been modified to read: IFGC®-18 International Fuel Gas Code® as adopted and modified by the State of Oklahoma through the OUBCC.
- (6) The reference to the International Mechanical Code® has been modified to include after the title the words "as adopted and modified by the State of Oklahoma through the OUBCC." This section has been modified to read: IMC®-18 International Mechanical Code® as adopted and modified by the State of Oklahoma through the OUBCC.
- (7) The reference to the International Plumbing Code® has been modified to include after the title the words "as adopted and modified by the State of Oklahoma through the OUBCC." This section has been modified to read: IPC®-18 International Plumbing Code® as adopted and modified by the State of Oklahoma through the OUBCC.
- (8) The reference to the International Residential Code® has been modified to change the edition year to ~~2015~~ 2018 and include after the title the words "as adopted and modified by the State of Oklahoma through the OUBCC." This section has been modified to read: ~~IRC®-15~~ IRC®18 International Residential Code® as adopted and modified by the State of Oklahoma through the OUBCC.
- (9) The referenced standard for NFPA® 70 National Electrical Code® has been modified to change the edition year to 2023 and add after the title the words "as adopted and modified by the State of Oklahoma through the OUBCC." This section has been modified to read: ~~70-17~~ 70-23 National Electrical Code® as adopted and modified by the State of Oklahoma through the OUBCC.

(10) The referenced standard ISO 668 - 2013 Series 1 Freight Containers - Classifications, Dimensions and Ratings has been added to the referenced standards. This standard has been added to read: ISO 668 - 2013 Series 1 Freight Containers - Classifications, Dimensions and Ratings. Code reference sections: Table 3114.8.5.3.

(11) The referenced standard ISO 1496-1 - 2013 Series 1 Freight Containers - Specification and Testing - Part 1: General Cargo Containers for General Purposes has been added to the referenced standards. This standard has been added to read: ISO1496-1 - 2013 Series 1 Freight Containers - Specification and Testing - Part 1: General Cargo Containers for General Purposes. Code reference sections: 3114.8, Table 3114.8.5.3.

(12) The referenced standard ISO 6346 - 1995 with Amendment 3 - 2012 Freight Containers - Coding, Identification and Marking has been added to the referenced standards. This standard has been added to read: ISO 6346 - 1995 with Amendment 3 - 2012 Freight Containers - Coding, Identification and Marking. Code reference section: 3114.3.

(13) The referenced standard NFPA® 780 - 17 Standard for the Installation of Lightning Protection Systems has been added to the referenced standards. This standard has been added to read: NFPA® 780 - 17 Standard for the Installation of Lightning Protection Systems. Code reference section: 2703.2.

(14) The referenced standard UL 96A - 2016 Standard for Installation Requirements for Lightning Protection Systems has been added to the referenced standards. This standard has been added to read: UL 96A - 2016 Standard for Installation Requirements for Lightning Protection Systems. Code reference section: 2703.2

(15) The referenced standard UL 1489-2016 Fire Resistant Piping Protection Systems Carrying Combustible Liquids has been added to the referenced standards. This standard has been added to read: UL 1489-2016 Fire Resistant Piping Protection Systems Carrying Combustible Liquids. Code reference sections: 403.4.8.2, 2702.1.2.

SUBCHAPTER 4. IFC® 2018

748:20-4-85. IFC® 2018 Chapter 80 Referenced Standards

Chapter 80 of the Oklahoma adopted IFC® 2018 is adopted with the following modifications:

(1) The reference standard ICC 500® 2014 ICC/NSSA Standard for the Design and Construction of Storm Shelters has been added to the list of referenced standards. The referenced standard has been added to read: ICC 500® 2014 ICC/NSSA Standard for the Design and Construction of Storm Shelters. Code section references: 320.1, 320.2, 320.3.

(2) The reference to the International Building Code® has been modified to include after the title the words "as adopted and modified by the State of Oklahoma through the OUBCC." This section has been modified to read: IBC®-18 International Building Code® as adopted and modified by the State of Oklahoma through the OUBCC.

(3) The reference to the International Existing Building Code® has been modified to include after the title the words "as adopted and modified by the State of Oklahoma through the OUBCC." This section has been modified to read: IEBC®-18 International Existing Building Code® as adopted and modified by the State of Oklahoma through the OUBCC.

(4) The reference to the International Fuel Gas Code® has been modified to include after the title the words "as adopted and modified by the State of Oklahoma through the OUBCC." This section has been modified to read: IFGC®-18 International Fuel Gas Code® as adopted and modified by the State of Oklahoma through the OUBCC.

- (5) The reference to the International Mechanical Code® has been modified to include after the title the words "as adopted and modified by the State of Oklahoma through the OUBCC." This section has been modified to read: IMC®-18 International Mechanical Code® as adopted and modified by the State of Oklahoma through the OUBCC.
- (6) The reference to the International Plumbing Code® has been modified to include after the title the words "as adopted and modified by the State of Oklahoma through OUBCC." This section has been modified to read: IPC®-18 International Plumbing Code® as adopted and modified by the State of Oklahoma through the OUBCC.
- (7) The reference to the International Residential Code® has been modified to change the edition year to ~~2015~~ 2018 and include after the title the words "as adopted and modified by the State of Oklahoma through the OUBCC." This section has been modified to read: ~~IRC®-15~~ IRC®-18 International Residential Code® as adopted and modified by the State of Oklahoma
- (8) The referenced standard for NFPA® 70 National Electrical Code® has been modified to change the edition year to 2023 and include after the title the words "as adopted and modified by the State of Oklahoma through the OUBCC." This section has been modified to read: ~~70-17~~ 70-23 National Electrical Code® as adopted and modified by the State of Oklahoma through the OUBCC.
- (9) The referenced standard NFPA® 76 Standard for the Fire Protection of Telecommunications Facilities, 2016 edition has been added to the code to reference sections in Chapter 12. This standard has been added to read: 76-16 Standard for the Fire Protection of Telecommunication Facilities, with the following section references: 1206.1.2.1, 1206.2.1, 1206.3.1, 1206.3.7.1, 1206.4.1, 1206.5.1, 1206.5.2, 1206.5.3, 1206.5.5, Table 1206.6, 1206.6.2.3, and Table 1206.7.
- (10) The referenced standard for NFPA® 260 Methods of Tests and Classification Systems for Cigarette Ignition Resistance of Components of Upholstered Furniture has been modified to address errata published by the ICC and changes the edition year from 2018 to 2013. This section has been modified to read: 260-13 Methods of Tests and Classification Systems for Cigarette Ignition Resistance of Components of Upholstered Furniture.
- (11) The referenced standard for NFPA® 289 Standard Method of Fire Test for Individual Fuel Packages has been modified to address errata published by the ICC and changes the edition year from 2018 to 2013. This section has been modified to read: 289-13 Standard Method of Fire Test for Individual Fuel Packages.
- (12) The referenced standard UL 1974-18 Evaluation for Repurposing Batteries has been added to the code. This referenced standard has been added to read: 1974-18 Evaluation for repurposing Batteries, referenced in code section number: 1206.3.9.
- (13) The referenced standard UL 9540A-18 Test Method for Evaluating Thermal Runaway Fire Propagation in Battery Energy Storage Systems, has been added to the code. This reference as has been added to read: 9540A-18 Test Method for Evaluating Thermal Runaway Fire Propagation in Battery Energy Storage Systems, Referenced in code section number: 1206.1.5, 1206.6.3

SUBCHAPTER 6. IRC® 2018

748:20-6-49. IRC® 2018 Chapter 44 Referenced Standards

Chapter 44 of the IRC® 2018 has been adopted with the following modifications:

- (1) The reference for the standard ANCE NMX-J-521/2-40-ANCE-2014/CAN/CSA-22.2 No. 60335-2-40–12/UL 60335-2-40: Safety of Household and Similar Electric Appliances, Part 2-40: Particular Requirements for Heat Pumps, Air Conditioners and Dehumidifiers along with the associated referenced sections has been stricken from the code.
- (2) A reference for the standard ANSI/APSP/ICC 7-20 has been added to the chapter. This section has been added to read: ANSI/APSP/ICC 7-20 American National Standard for Suction Entrapment Avoidance in Swimming Pools, Wading Pools, Spas, Hot Tubs, and Catch Basins®. Referenced in code section number R326.5.
- (3) A reference for the standard ANSI/APSP/ICC 16-17 has been added to the chapter. This section has been added to read: ANSI/APSP/ICC 16-17 American National Standard for Suction Fittings for Use in Swimming Pools, Wading Pools, Spas and Hot Tubs®. Referenced in code section number R326.4.
- (4) The reference to the ASHRAE Standard 34-2016: Design and Safety Classification of Refrigerants has been modified to update the publication year from 2016 to 2019. The reference has been modified to read: 34-2019: Design and Safety Classification of Refrigerants.
- (5) A reference for the standard CSA C22.2 No. 218.1-17 has been added to the chapter. This section has been added to read: CSA C22.2 No. 218.1-17. Spas, Hot Tubs and Associated Equipment®. Referenced in code section number R326.5.
- (6) The reference to the CSA standard CAN/CSA/C22.2 No. 60335-2-40-2012 has been modified to change the title and update the edition year of the reference from 2016 to 2019. This section has been modified to read: CSA C22.2 No. 60335-20-40 – 2019 Safety of Household and Similar Electrical Appliances, Part 2-40: Particular Requirements for Electrical Heat Pumps, Air-Conditioners and Dehumidifiers.
- (7) The reference to the ICC 500® has been modified to update the code section references. This section has been modified to read: ICC 500-14 ICC/NSSA Standard on the Design and Construction of Storm Shelters®. Referenced in code section number R323.1, R323.2, R323.2.1, R323.2.2, R323.2.3 and R323.2.4.
- (8) The reference to the International Building Code® has been modified to update the edition year to 2018 and include after the title the words "as adopted and modified by the State of Oklahoma through the OUBCC." This section has been modified to read: IBC®-18 International Building Code® as adopted and modified by the State of Oklahoma through the OUBCC.
- (9) The reference to the International Fire Code® has been modified to update the edition year to 2018 and include after the title the words "as adopted and modified by the State of Oklahoma through the OUBCC." This section has been modified to read: IFC®-18 International Fire Code® as adopted and modified by the State of Oklahoma through the OUBCC.
- (10) The reference to the International Fuel Gas Code® has been modified to update the edition year to 2018 and include after the title the words "as adopted and modified by the State of Oklahoma through the OUBCC." This section has been modified to read: IFGC®-18 International Fuel Gas Code® as adopted and modified by the State of Oklahoma through the OUBCC.
- (11) The reference to the International Mechanical Code® has been modified to update the edition year to 2018 and include after the title the words "as adopted and modified by the State of Oklahoma through the OUBCC." This section has been modified to read: IMC®-18

International Mechanical Code® as adopted and modified by the State of Oklahoma through the OUBCC.

(12) The reference to the International Plumbing Code® has been modified to update the edition year to 2018 include after the title the words "as adopted and modified by the State of Oklahoma through the OUBCC." This section has been modified to read: IPC®-18 International Plumbing Code® as adopted and modified by the State of Oklahoma through the OUBCC.

(13) The referenced standard for NFPA® 70 National Electrical Code® has been modified to update the edition year to ~~2020~~ 2023 and include after the title the words "as adopted and modified by the State of Oklahoma through the OUBCC." This section has been modified to read: ~~70-20~~ 70-23 National Electrical Code® as adopted and modified by the State of Oklahoma through the OUBCC.

(14) A reference for the standard UL 1563 has been added to the chapter. This section has been added to read: UL 1563-2009: Standard for Electric Hot Tubs, Spas and Associated Equipment®, with revisions through September 2020. Referenced in code section number R326.5.

(15) The referenced standard UL 1995-2011 Heating and Cooling Equipment – with revisions through July 2015 has been modified to update the edition year and remove the reference to revisions. The standard has been modified to read: 1995-2015 Heating and Cooling Equipment.

(16) The reference standard UL/CSA/ANCE 60335-2-40-2012: Standard for Household and Similar Electrical Appliances, Part 2: Particular Requirements for Motor-compressors has been modified to update the edition year and the title and add a section reference. This reference has been modified to read: UL/CSA 60335-2-40-2019: Standard for Household and Similar Electrical Appliances, Part 2: Particular Requirements for Electrical Heat Pumps, Air-Conditioners and Dehumidifiers. Referenced Sections M1402.1, M1403.1, M1412.1 and M1413.1.

SUBCHAPTER 8. IEBC 2018

748:20-8-21. IEBC® 2018 Chapter 16 Referenced Standards

Chapter 16 of the Oklahoma adopted IEBC® 2018 is adopted with the following modifications:

(1) The reference to the International Building Code® has been modified to include after the title the words "as adopted and modified by the State of Oklahoma through the OUBCC." This section has been modified to read: IBC®-18 International Building Code® as adopted and modified by the State of Oklahoma through the OUBCC.

(2) The reference to the International Energy Conservation Code® has been modified to change the edition year to 2006. This section has been modified to read: IECC®-06 International Energy Conservation Code®.

(3) The reference to the International Fire Code® has been modified to include after the title the words "as adopted and modified by the State of Oklahoma through the OUBCC." This section has been modified to read: IFC®-18 International Fire Code® as adopted and modified by the State of Oklahoma through the OUBCC.

(4) The reference to the International Fuel Gas Code® has been modified to include after the title the words "as adopted and modified by the State of Oklahoma through the OUBCC." This

section has been modified to read: IFGC®-18 International Fuel Gas Code® as adopted and modified by the State of Oklahoma through the OUBCC.

(5) The reference to the International Mechanical Code® has been modified to include after the title the words "as adopted and modified by the State of Oklahoma through the OUBCC." This section has been modified to read: IMC®-18 International Mechanical Code® as adopted and modified by the State of Oklahoma through the OUBCC.

(6) The reference to the International Plumbing Code® has been modified to include after the title the words "as adopted and modified by the State of Oklahoma through the OUBCC." This section has been modified to read: IPC®-18 International Plumbing Code® as adopted and modified by the State of Oklahoma through the OUBCC.

(7) The reference to the International Residential Code® has been modified to change the edition year to ~~2015~~ 2018 and include after the title the words "as adopted and modified by the State of Oklahoma through the OUBCC." This section has been modified to read: ~~IRC®-15~~ IRC®-18 International Residential Code® as adopted and modified by the State of Oklahoma through the OUBCC.

(8) The referenced standard for NFPA® 70 National Electrical Code® has been modified to change the edition year from 2020 to 2023 and add after the title the words "as adopted and modified by the State of Oklahoma through the OUBCC." This section has been modified to read: ~~70-20~~ 23 National Electrical Code® as adopted and modified by the State of Oklahoma through the OUBCC.

SUBCHAPTER 10. NEC® ~~2020~~ 2023

748:20-10-1. Adoption of the National Electrical Code®, ~~2020~~ 2023 Edition (NEC® ~~2020~~ 2023)

(a) The Oklahoma Uniform Building Code Commission (the "OUBCC") hereby adopts the National Electrical Code®, ~~2020~~ 2023 Edition - NFPA 70® (~~NEC®2020~~ NEC® 2023), 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) The OUBCC through formal action expressly chose to adopt the ~~NEC®2020~~ NEC® 2023 as amended and modified in this subchapter as the statewide minimum code for commercial electrical construction in the State of Oklahoma.

(c) The OUBCC has not pulled, reviewed or incorporated into these rules ~~from the National Fire Protection Association (NFPA) website, published errata and Temporary Interim Amendments (TIA's TIAs) to the NEC® 2020 2023 from the National Fire Protection Association (NFPA) website through April 21, 2020. Any errata or TIA's published after that date have not been reviewed or incorporated into these rules.~~

(d) 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.

748:20-10-2. Effect of Adoption

The ~~NEC®2020~~ NEC® 2023 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.

748:20-10-3. ~~NEC@2020~~ NEC® 2023 Informative Annexes

(a) None of the informative annexes of the ~~NEC@2020~~ NEC® 2023 have been adopted by the OUBCC for inclusion in the statewide minimum code for commercial electrical construction in the State of Oklahoma.

(b) Informative Annexes A through ~~J~~ K 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 the annual permits section modified to provide the following requirements:

(1) 80.19 (D) Annual permit. This section has been modified to clarify an annual permit is a yearly permit which represents a group of individual permits for each alteration to an already approved electric, gas, mechanical or plumbing installation. This section has been modified to read: 80.19(D) Annual permit. 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 therefore 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: 80.19 (D)(1) 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.

748:20-10-4. ~~NEC@2020~~ NEC® 2023 Provisions Adopted and Modified

All chapters and provisions within chapters, including exceptions, of the ~~NEC@2020~~ NEC® 2023 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.

748:20-10-6. ~~NEC@2020~~ Article NEC® 2023 Article 90 Introduction

Article 90 of the Oklahoma adopted ~~NEC@2020~~ NEC® 2023, 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@2020~~ NEC® 2023 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 ® ~~NEC @2020~~

NEC® 2023 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®2020~~ NEC® 2023, 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. 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®2020~~ NEC® 2023.

(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®2020~~ NEC® 2023 and the OUBCC will strongly oppose any such practice.

748:20-10-7. NEC®2020 Chapter 1 General [REVOKED]

Chapter 1 of the Oklahoma-adopted NEC® 2020 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 and a definition of a plaque. This section has been modified to read:~~

~~(A) 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.~~

~~(B) Plaque. A flat, thin piece of metal, wood, or non-conductive, UV, rain, corrosion, and ice resistant material with a sustainable temperature rating from negative 20 degrees Fahrenheit to 130 degrees Fahrenheit or better. For the ambient temperature of the environment to which it is installed, with engraved writing on it that is used especially as a reminder or warning of something. A plaque shall be designed to be installed by adhesive means or mechanical fasteners, as determined by the environment where to be permanently installed. A plaque shall also be known as a Permanent Plaque, Directory, or substitute for a label, excluding circuit directories.~~

~~(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.

748:20-10-8. ~~NEC@2020~~ NEC® 2023 Chapter 2 Wiring and Protection

Chapter 2 of the Oklahoma adopted ~~NEC® 2020~~ NEC® 2023 is adopted with the following modification:

(1) Section 210.08 (F) Outdoor Outlets. This section has been modified to include mini-split-type heating/ventilating/air-conditioning equipment and other HVAC units employing power conversion equipment as a means to control compressor speed delete an expiration date for exception No. 2. This section has been modified to read: 210.08 (F) Outdoor Outlets. All For dwellings, all outdoor outlets for dwellings, other than those covered in 210.8 (A) (3), Exception to (3), and for mini-split-type heating/ventilating/air-conditioning (HVAC) equipment and other HVAC units employing power conversion equipment as a means to control compressor speed, that are No 1, including outlets installed in the following locations, and supplied by single-phase branch circuits rated 150 volts or less to ground or less, 50 amperes or less, shall have ground-fault circuit interrupter protection for personnel. Informational Note: Power conversion equipment is the term used to describe the components used in HVAC equipment that is commonly referred to as a variable speed drive. The use of power conversion equipment to control compressor speed differs from multistage compressor speed control. Exception: Ground-fault circuit interrupter protection shall not be required on lighting outlets other than those covered in 210.8 (C). be supplied with GFCI protection:

(A) Item 1: Garages that have floors located at or below grade level

(B) Item 2: Accessory buildings

(C) Item 3: Boathouses

(2) If equipment supplied by an outlet covered under the requirements of this section is replaced, the outlet shall be provided with GFCI protection.

(3) Exceptions:

(A) Exception No 1. GFCI protection shall not be required on lighting outlets other than those covered in 210.8(C).

(B) Exception No 2. GFCI protection shall not be required for listed HVAC equipment.

748:20-10-10. ~~NEC@2020~~ NEC® 2023 Chapter 4 Equipment for General Use

Chapter 4 of the Oklahoma adopted ~~NEC@2020~~ NEC® 2023 is adopted with the following modification: Section 422.16(B)(5) Gas-fired central furnaces. This section has been added to allow flexible cord-and-plug connections in dwelling units as an alternative means of temporarily supplying the gas-fired furnace by a portable generator for heating purposes. The change also specifies the maximum length of the cord. This section has been added to read: 422.16(B)(5) Gas-

fired central furnaces. Gas-fired furnaces supplying dwelling units shall be permitted to be connected by a flexible cord-and-plug. The cord and attachment plug shall have sufficient ampacity for the load, and shall be routed or otherwise protected to prevent physical damage to the cord or attachment plug. The cord length shall not be greater than 9 feet.

748:20-10-11. NEC@2020 Chapter 5 Special Occupancies [REVOKED]

Chapter 5 of the Oklahoma adopted NEC@ 2020 is adopted with the following modifications:

~~(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 555.30 (D) Luminaires and other electrical equipment. This section has been added to require the location of luminaires and other electrical equipment to be located not less than 5 feet horizontally from the nearest normal edge of the water. However, if the luminaire or other electrical equipment is within the 5 feet horizontal zone it must be 12 feet vertically from the nearest normal edge of the water. This section has been added to read: 555.30 (D) Luminaires and other electrical equipment. Luminaires and electrical connections to luminaires or other electrical equipment shall be located not less than 5 feet horizontally from the nearest normal edge of the water. If a luminaire is within the 5-foot horizontal zone it must be 12 feet vertically.~~

748:20-10-12. NEC@2020 Chapter 6 Special Equipment [REVOKED]

Chapter 6 of the Oklahoma adopted NEC@ 2020 is adopted with the following modifications:

~~(1) 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 and limit the use of luminaires or other electrical connections while standing in either a natural or man-made body of water. 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. This requirement shall apply to new installations, repair, replacement and modification of underwater luminaires. This section shall not apply to~~

relamping if the line-voltage luminaire is protected by a Class A ground-fault circuit-interrupter.

~~(2) Section 682.10 Electrical Equipment and Transformers. This section has been modified to require luminaires or other electrical connections to be located at least 5 feet horizontally from the nearest normal edge of the water or if closer than 5 feet horizontally, it must be 12 foot vertical from the nearest normal edge of the water. This section has been modified to read: 682.10 Electrical Equipment and Transformers. Electrical equipment and transformers, including their enclosures, shall be specifically approved for the intended location. No portion of an enclosure for electrical equipment not identified for operation while submerged shall be located below the electrical datum plane. Luminaires or other electrical connections shall be located at least 5 feet (1524 mm) horizontally from the nearest edge of the water. If the luminaire is within 5 feet horizontally of the water edge it must be 12 foot vertically above the nearest edge of the water.~~

748:20-10-13. NEC®2020 Chapter 7 Special Conditions [REVOKED]

Chapter 7 of the Oklahoma adopted NEC® 2020 is adopted with the following modification: Section 700.16 (B) System Reliability. This section has been modified to address errata to change the reference for listed equipment to be in accordance with 700.12(F) to 700.12(I). This section has been modified to read: 700.16 (B) System Reliability. Emergency lighting systems shall be designed and installed so that the failure of any illumination source cannot leave in total darkness any space that requires emergency illumination. Control devices in the emergency lighting system shall be listed for use in emergency systems. Listed unit equipment in accordance with 700.12(I) shall be considered as meeting the provisions of this section.

SUBCHAPTER 12. IFGC® 2018

748:20-12-13. IFGC® 2018 Chapter 8 Referenced Standards

Chapter 8 of the Oklahoma adopted IFGC® 2018 is adopted with the following modifications:

- (1) The reference to the International Building Code® has been modified to include after the title the words "as adopted and modified by the State of Oklahoma through the OUBCC." This section has been modified to read: IBC®-18 International Building Code® as adopted and modified by the State of Oklahoma through the OUBCC.
- (2) The reference to the International Energy Conservation Code® has been modified to change the edition year to 2006. This section has been modified to read: IECC®-06 International Energy Conservation Code®.
- (3) The reference to the International Fire Code® has been modified to include after the title the words "as adopted and modified by the State of Oklahoma through the OUBCC." This section has been modified to read: IFC®-18 International Fire Code® as adopted and modified by the State of Oklahoma through the OUBCC.
- (4) The reference to the International Mechanical Code® has been modified to include after the title the words "as adopted and modified by the State of Oklahoma through the OUBCC." This section has been modified to read: IMC®-18 International Mechanical Code® as adopted and modified by the State of Oklahoma through the OUBCC.
- (5) The reference to the International Plumbing Code® has been modified to include after the title the words "as adopted and modified by the State of Oklahoma through the OUBCC."

This section has been modified to read: IPC®-18 International Plumbing Code® as adopted and modified by the State of Oklahoma through the OUBCC.

(6) The reference to the International Residential Code® has been modified to change the edition year to ~~2015~~ 2018 and include after the title the words "as adopted and modified by the State of Oklahoma through the OUBCC." This section has been modified to read: ~~IRC®-15~~ IRC®-18 International Residential Code® as adopted and modified by the State of Oklahoma through the OUBCC.

(7) The referenced standard for NFPA® 70 National Electrical Code® has been modified to change the edition year to 2023 and add after the title the words "as adopted and modified by the State of Oklahoma through the OUBCC." This section has been modified to read: ~~70-17~~ 70-23 National Electrical Code® as adopted and modified by the State of Oklahoma through the OUBCC.

SUBCHAPTER 14. IMC® 2018

748:20-14-20. IMC® 2018 Chapter 15 Referenced Standards

Chapter 15 of the Oklahoma adopted IMC® 2018 is adopted with the following modifications:

(1) The reference to the International Building Code® has been modified to include after the title the words "as adopted and modified by the State of Oklahoma through the OUBCC." This section has been modified to read: IBC®-2018 International Building Code® as adopted and modified by the State of Oklahoma through the OUBCC.

(2) The reference to the International Energy Conservation Code® has been modified to change the edition year to 2006. This section has been modified to read: IECC®-06 International Energy Conservation Code®.

(3) The reference to the International Fire Code® has been modified to include after the title the words "as adopted and modified by the State of Oklahoma through the OUBCC." This section has been modified to read: IFC®-2018 International Fire Code® as adopted and modified by the State of Oklahoma through the OUBCC.

(4) The reference to the International Fuel Gas Code® has been modified to include after the title the words "as adopted and modified by the State of Oklahoma through the OUBCC." This section has been modified to read: IFGC®-2018 International Fuel Gas Code® as adopted and modified by the State of Oklahoma through the OUBCC.

(5) The reference to the International Plumbing Code® has been modified to include after the title the words "as adopted and modified by the State of Oklahoma through the OUBCC." This section has been modified to read: IPC®-2018 International Plumbing Code® as adopted and modified by the State of Oklahoma through the OUBCC.

(6) The reference to the International Residential Code® has been modified to change the edition year to ~~2015~~ 2018 and include after the title the words "as adopted and modified by the State of Oklahoma through the OUBCC." This section has been modified to read: ~~IRC®-15~~ IRC®-18 International Residential Code® as adopted and modified by the State of Oklahoma through the OUBCC.

(7) The referenced standard for NFPA® 70 National Electrical Code® has been modified to change the edition year to 2023 and add after the title the words "as adopted and modified by the State of Oklahoma through the OUBCC." This section has been modified to read: ~~70-17~~

70-23 National Electrical Code® as adopted and modified by the State of Oklahoma through the OUBCC.

(8) The referenced standard "UL 300A 2006 edition, Outline of Investigation for Extinguishing System Units for Residential Range Top Cooking Surfaces, has been added to the ~~code~~ IMC. This reference has been added to read: 300A-06 Outline of Investigation for Extinguishing System Units for Residential Range Top Cooking Surfaces: 507.2.

SUBCHAPTER 16. IPC® 2018

748:20-16-20. IPC® 2018 Chapter 15 Referenced Standards

Chapter 15 of the Oklahoma adopted IPC® 2018 is adopted with the following modifications:

(1) A reference to ANSI A118.10-99 Specifications for Load Bearing, Bonded, Waterproofed Membranes for Thin Set Ceramic Tile and Dimension Stone Installation referenced in Sections 421.5.2.5 and 421.5.2.6 has been added to the ~~code~~ IPC. This reference has been added to read: ANSI A118.10-99 Specifications for Load Bearing, Bonded, Waterproof Membranes for Thin Set Ceramic Tile and Dimension Stone Installation. 421.5.2.5, 421.5.2.6.

(2) The reference to the International Building Code® has been modified to include after the title the words "as adopted and modified by the State of Oklahoma through the OUBCC." This section has been modified to read: IBC®-2018 International Building Code® as adopted and modified by the State of Oklahoma through the OUBCC.

(3) The reference to the International Energy Conservation Code® has been modified to change the edition year to 2006. This section has been modified to read: IECC-06 International Energy Conservation Code®.

(4) The reference to the International Fire Code® has been modified to include after the title the words "as adopted and modified by the State of Oklahoma through the OUBCC." This section has been modified to read: IFC®-2018 International Fire Code® as adopted and modified by the State of Oklahoma through the OUBCC.

(5) The reference to the International Fuel Gas Code® has been modified to include after the title the words "as adopted and modified by the State of Oklahoma through the OUBCC." This section has been modified to read: IFGC®-2018 International Fuel Gas Code® as adopted and modified by the State of Oklahoma through the OUBCC.

(6) The reference to the International Mechanical Code® has been modified to include after the title the words "as adopted and modified by the State of Oklahoma through the OUBCC." This section has been modified to read: IMC®-2018 International Mechanical Code® as adopted and modified by the State of Oklahoma through the OUBCC.

(7) The reference to the International Residential Code® has been modified to change the edition year to ~~2015~~ 2018 and include after the title the words "as adopted and modified by the State of Oklahoma through the OUBCC." This section has been modified to read: ~~IRC®-15~~ IRC®-18 International Residential Code® as adopted and modified by the State of Oklahoma through the OUBCC.

(8) The referenced standard for NFPA® 70 National Electrical Code® has been modified to change the edition year to 2023 and add after the title the words "as adopted and modified by the State of Oklahoma through the OUBCC." This section has been modified to read: ~~70-17~~ 70-23 National Electrical Code® as adopted and modified by the State of Oklahoma through the OUBCC.

(9) The reference standard for TCNA/ANSI A118.10-99: Specifications for Load Bearing, Bonded, Waterproof Membranes for Thin Set Ceramic Tile and Dimension Stone Installation referenced in Sections 421.5.2.5 and 421.5.2.6 has been stricken from the ~~code~~ IPC.