
ORDINANCE NO. XXXXX

AN ORDINANCE OF THE COUNCIL OF THE CITY OF NORMAN, OKLAHOMA, AMENDING ARTICLES I, II, AND IV, ALL IN CHAPTER 5 OF THE CODE OF THE CITY OF NORMAN; SO AS TO ADOPT AND AMEND THE 2018 INTERNATIONAL BUILDING CODE, THE 2018 INTERNATIONAL EXISTING BUILDING CODE, THE 2006 INTERNATIONAL ENERGY CONSERVATION CODE, 2018 INTERNATIONAL PLUMBING CODE, THE 2018 INTERNATIONAL MECHANICAL CODE, THE 2018 INTERNATIONAL FUEL GAS CODE, THE 2020 NATIONAL ELECTRICAL CODE, AND THE 2018 INTERNATIONAL RESIDENTIAL CODE FOR ONE- AND TWO-FAMILY DWELLINGS; SETTING AN EFFECTIVE DATE OF MARCH 1, 2023; AND PROVIDING FOR THE SEVERABILITY THEREOF.

BE IT ORDAINED BY THE COUNCIL OF THE CITY OF NORMAN, OKLAHOMA:

- § 1. That Article I (“General Administration”) of Chapter 5 of the Code of the City of Norman, and its various Sections 5-101 through 5-200 shall be amended as follows:

ARTICLE I. GENERAL ADMINISTRATION

Sec. 5-101. Application of construction codes.

Except as otherwise provided in this chapter, the provisions of Article II Construction Codes shall apply to all construction, alteration, relocation, enlargement, replacement, repair, equipment, use and occupancy, location, maintenance, removal or demolition of buildings or structures or appurtenances connected or attached to such buildings or structures:

- (1) Within the limits of the City; ~~and~~
- ~~(2) Within one-half (1/2) mile outside the limits of the City when the City provides either water or sewer services to that building or structure.~~

Sec. 5-102. Effect of conflicting provisions.

- (a) When any provision of this chapter conflicts with any other provision of this chapter, that provision which is the more specific or detailed shall control.
- (b) Whenever the requirements or provisions of this chapter are in conflict with the requirements or provisions of any other lawfully adopted ordinances, the Fire Code Official and the Building Official shall prescribe minimum requirements necessary to establish a reasonable level of fire and life safety and property protection from the hazards created by fire, explosion, and dangerous conditions concerning matters in conflict, and all provisions of this chapter not in conflict shall remain in full force and effect.
- (c) When any provision of the International Residential Code for One- and Two-Family Dwellings as amended and modified in this chapter needs clarification or elaboration, the provisions of the International Building Code, the International Mechanical Code, the International Plumbing Code, the National Electrical Code, and

Sec. 5-103. Inspections.

- (a) All work for which a permit is required shall be subject to inspection as required by any code adopted in this chapter. Such inspection shall be made by the Department of Planning and Community Development.
- ~~(b) No plumbing work or electrical wiring, installed electrical or gas fixtures or electrical or gas equipment shall be used in a building or on any premises until it has also had a final inspection.~~

Sec. 5-104. Permits required.

Except as otherwise provided in this chapter, no person shall engage in the following acts without having first obtained the necessary permits from the appropriate City department:

- (1) The alteration, construction, enlargement, removal, relocation, or repair of any building or other structure, sign or other advertising structure.
- (2) The installation of any electrical, gas distribution, or plumbing systems, the subsequent modification of existing systems, or the installation of electrical or gas appliances.
- (3) The installation of any air conditioning, heating, and/or refrigeration systems, or the subsequent modification of existing systems.
- (4) The construction, alteration, cutting, mutilation, or changing in any manner for any purpose, any paved or traveled portion of any street or alley, any curb, gutter, catch basin or other appurtenance of a street or alley or any sidewalk.
- (5) Any work requiring permits as noted in the adopted building codes.
- ~~(5) The construction or repair of any off-site improvement within that area defined by the 2025 Plan or the most recent comprehensive plan as adopted by City Council.~~

Sec. 5-105. Permit fee schedule.

All fees within Items (1), (3), (4) and (5) of this section shall be doubled if the work is commenced before a permit is issued.

- (1) The following building permit fees shall be charged:
 - (A) Demolition permit:
 - First floor \$20.00
 - Additional floors 12.50 ea.
 - (B) Storm or fallout shelter, swimming pools 50.00 ea.
 - (C) Water well permit 50.00 ea.
 - (D) One- and two-family dwellings including remodeling, alterations, covered open spaces, porches, patios, carports, awnings, and parking structures, per square foot of project area 0.14
 - (E) One- and two-family dwellings, move-ins, and mobile homes, per square foot of project area 0.14
 - (F) New construction and additions or alterations to multifamily buildings, fraternities, and sororities, per square foot of project area 0.14
 - (G) New construction and additions or alterations to warehouses, industrial, and manufacturing buildings, per square foot of project area 0.14
 - (H) New construction and additions or alterations to commercial buildings, office buildings, and institutional facilities, per square foot of project area 0.14

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- (I) Foundation only permits: Fifty (50) percent of full permit fee as calculated in Items (D), (E), (F), (G), and (H) above not to exceed one thousand dollars (\$1,000.00).
- (J) Plan examination fee: ~~Twenty (20) percent of full permit fee as calculated in~~ Applies to Items (D), (E), (F), (G), (H), and (I) above, and all work in this chapter requiring a permit that does not otherwise have a fee associated with it. collected at time of submittal. Fee shall be not less than fifty dollars (\$50.00) nor more than four thousand dollars (\$4,000.00). Plan examination fee is non-refundable.
- (K) New construction and additions or alterations to parking lots 50.00
- (L) Minimum fee for each extra inspection, on-site consultation, or reinspection ~~25.00~~ 35.00 ea.
- (M) Retaining wall permit fees (See Section 1008.1 through 1008.3 of the City of Norman Engineering Design Criteria.):
1. Retaining walls from two (2) feet in height to less than three (3) feet in height 50.00 ea.
 2. Retaining walls three (3) feet in height or more 75.00 ea.
 3. If the Builder/Contractor obtained a retaining wall permit, but the retaining wall is constructed without the proper required inspections, a penalty of fifty dollars (\$50.00) for each missed inspection will be incurred. Additionally, the Builder/Contractor will be required to provide documentation that the retaining wall was constructed per the permit.
- (2) Certificate of Occupancy fees:
- (A) Certificate of Occupancy (CO) fees are included in permit fees and collected when permit is issued. All outstanding fees are due and payable before the CO is issued.
- (B) A Temporary Certificate of Occupancy (TCO) may be issued for thirty (30) days provided the structure or portions thereof may be occupied safely. All outstanding fees are due and payable before the TCO is issued. If the TCO expires prior to receiving a CO, the permit holder shall obtain an extension. The conditions for an extension shall be the same as for the initial TCO. Temporary Certificate of Occupancy fees are as follows:
1. \$100.00 for each one- and two-family dwelling, manufactured home, townhouse, or accessory building/structure.
 2. \$250.00 for all other permits.
- (3) The following air-conditioning, heating and refrigeration fees shall be charged:
- (A) Heating and Cooling Equipment:
- Cooling Units of 0 to 3 tons/HP \$17.50 per unit
- Cooling Units of 3.5 to 25 tons/HP 2.50 per ton
..... (\$17.50 minimum per unit)
- Cooling Units of 25.5 to 149.5 tons/HP 1.80 per ton
..... (\$57.50 minimum per unit)
- Cooling Units of 150 tons/HP or larger 185.00 per unit
- Gas Heating Unit 0 to 120k BTU output 17.00 per unit
- Gas Heating Unit 121k to 200k BTU output 16.50 per unit
- Gas Heating Unit over 200k BTU output 23.00 per unit
- Electric Heating Unit 0 to 40 KWH output 17.00 per unit
- Electric Heating Unit 41 to 60 KWH output 16.50 per unit
- Electric Heating Unit 61 to 150 KWH output 23.00 per unit

Electric Heating Unit over 150 KWH output 41.00 per unit

(B) Minimum fee for each extra inspection, on-site consultation, or reinspection 25.00 ea.

(C) Additions, alterations or repair of existing mechanical systems:

Base fee ~~25.00~~ 35.00

(Base fee includes first two inspections)

Additional inspections ~~25.00 ea.~~ 35.00 ea.

(4) The following electric permit fees shall be charged:

(A) Service size, general wiring:

125 amps or less 35.00 ea.

126 amps to 200 amps 58.00 ea.

Over 200 amps \$58.00 plus 25.00 per 100 amps

..... (or fraction thereof)

(B) Minimum fee for each extra inspection, on-site consultation, or reinspection ~~25.00 ea.~~ 35.00 ea.

(C) Additions, alterations or repair of existing electrical systems:

Base fee ~~25.00~~ 35.00

(Base fee includes first two inspections)

Additional inspections ~~25.00 ea.~~ 35.00 ea.

(5) The following plumbing permit fees shall be charged:

(A) Service size, general plumbing:

¾ inch 35.00 ea.

1 inch 65.00 ea.

1½ inch 125.00 ea.

2 inch 215.00 ea.

3 inch 485.00 ea.

4 inch 725.00 ea.

6 inch 845.00 ea.

8 inch 1,050.00 ea.

10 inch 1,560.00 ea.

(B) Gas service size, general gas piping:

0—less than 2-inch 17.50 ea.

2—3-inch 22.50 ea.

Over 3-inch 32.50 ea.

(C) Minimum fee for each extra inspection, on-site consultation, or reinspection ~~25.00 ea.~~ 35.00 ea.

(D) Water service line, sewer service line or gas service line repair or replacement ~~25.00 ea.~~ 35.00 ea.

(E) Additions, alterations or repair of existing plumbing systems:

Base fee ~~25.00~~ 35.00

(Base fee includes first two inspections)

Additional inspections ~~25.00 ea.~~ 35.00 ea.

- (6) Missed inspection fee: An inspection fee* of fifty dollars (\$50.00) for each missed inspection will be charged if work requiring an inspection is concealed before the work is inspected and approved. Additionally, the work must be revealed for inspection or comply with an alternative inspection compliance method prescribed by the Building Official.

* Inspection fees are due and payable before the Certificate of Occupancy is issued.

- (7) The following off-site improvement fees shall be charged (See Section 3001.8 of the City of Norman Engineering Standard Specification and Construction Drawings):

(A) Drive entrance and sidewalks:

1. Installation of a new sidewalk and drive entrance for a single-family lot*15.00 ea.
2. Replacement of driveway or sidewalk*15.00 ea.

* There will be no charge when the cause of the driveway or sidewalk replacement is due to a water or sewer line repair.

(B) Minimum fee for each extra inspection, on-site consultation, or reinspection ~~25.00 ea.~~ 35.00 ea.

- (8) Erosion control and earth change fees:

(A) An erosion control fee of eighty dollars (\$80.00) shall be assessed with each building permit issued for the construction of any structure or addition to a structure which results in greater than five hundred (500) square feet of new, additional impervious area; or the construction of any swimming pool, driveway, parking area; or any other construction activity which results in greater than five hundred (500) square feet of new, additional impervious area; except that no erosion control fee shall be charged for residential building permits on lots larger than two (2) acres when the additional impervious area is less than five thousand (5,000) square feet. No erosion control fee shall be charged for any permit when no new, additional impervious area is created.

(B) Earth change permit fee is one hundred dollars (\$100.00) plus ten dollars (\$10.00) per acre for administration and inspection. (See Section 1005.2 of the City of Norman Engineering Design Criteria.)

- (9) Reinspection fees: An inspection fee* of ~~twenty-five dollars (\$25.00)~~ thirty-five dollars (\$35.00) per inspection will be charged if a builder or property owner requests assistance from a City of Norman Construction Inspector or Engineer in determining the following:

- (A) Building pad elevation inspection;
- (B) Sidewalk or driveway approach design inspection;
- (C) Final Grading Design inspection;
- (D) Retaining Wall Design inspection; or
- (E) Any other similar activity that requires an on-site inspection.

* Inspection fees are due and payable before the Certificate of Occupancy is issued.

(10) For all fee's associated with Section 5-105 (1), (3), (4), (5,) a \$4.00 fee shall be collected to be remitted to the OUBCC per 59 OS § 1000.25. Additionally, a fifty cent (\$.50) administration fee shall be collected for processing this fee for the City of Norman.

(11) After Hour Inspection Fee: \$200.00 minimum for the first two hours; \$75.00 for each hour thereafter.

Sec. 5-106. Permit fee waiver.

When an applicant for a building permit is building a new home, remodeling an existing home or installing a mobile home due to the impact of a natural disaster as declared by the Governor of the State of Oklahoma and/or by the Mayor of the City of Norman, all building permit fees associated with such construction shall be waived according to the following limitations:

- (1) The fee waiver shall not apply to any portion of a new structure which exceeds the square footage of the structure which is being replaced;
- (2) The applicant must have been the owner of the structure(s) proposed to be rebuilt, at the time of the damage or destruction;
- (3) The fee waiver shall not apply to a structure rebuilt after being damaged or destroyed by natural disaster without first obtaining building permits or which has been cited as being in violation of building codes;
- (4) The permits must be applied for within one (1) year of the natural disaster to be eligible for this fee waiver; and,
- (5) All applicable fees required to be collected by the Oklahoma Uniform Building Code Commission are not waived.

Sec. 5-107. Appeals.

The property owner or his authorized agent shall have the right to appeal a decision or determination made by the building/code official relative to the application and interpretation of the appropriate code as adopted in this chapter to the Board of Appeals established in Section 4-1601 of the Code of the City of Norman whenever:

- (1) The true intent of the adopted codes, or the rules legally adopted thereunder, have been incorrectly or improperly interpreted,
- (2) The provisions of those codes do not fully apply, and/or,
- (3) An equally good or better form of construction is proposed.

Sec. 5-108. Penalties.

- (a) Any person, firm, or corporation convicted of violating any provision of this chapter or of failing to act or comply with the rules and regulations enacted pursuant to this chapter; shall be punished by a monetary fine of not less than fifty dollars (\$50.00) nor more than seven hundred fifty dollars (\$750.00), or by imprisonment for a period not to exceed sixty (60) days, or by both such fine and imprisonment for each such violation or failure to comply.
- (b) Each day that a violation or failure to comply exists shall constitute a separate and distinct offense, and any one (1) or more of such offenses may be set out in any complaint or information filed.

Secs. 5-109—5-200. Reserved.

- § 2. That Article II ("Construction Codes") of Chapter 5 of the Code of the City of Norman, and its various Sections 5-201 through 5-300 shall be amended as follows:

ARTICLE II. CONSTRUCTION CODES

Sec. 5-201. Adoption of the Building Code.

- (a) Pursuant to 59 O.S. § 1000.23, the International Building Code, ~~2015-2018~~ Edition, as published by the International Code Council, Inc., including modifications by the Oklahoma Uniform Building Code Commission as set forth in Title 748, ~~Chapter 20, Subchapter 1~~ of the Oklahoma Administrative Code; ~~more specifically Sections 3, 7, 8, 9, 11, 12, 13, 14, 15, and 16, effective September 15, 2017;~~ hereinafter referred to as "IBC," is hereby adopted as the Building Code of the City of Norman for regulating construction, alteration, relocation, enlargement, replacement, repair, equipment, use and occupancy, location, maintenance, removal and demolition of every building or structure other than one- and two-family dwellings, townhouses, manufactured homes, or accessory structures not more than three (3) stories above grade plane with the same force and effect as if fully set out in this section with amendments thereto as prescribed in this section.

In addition, any construction, alteration, repair, or installation of storm shelters and safe rooms in critical emergency operation facilities and educational facilities for children kindergarten through 12th grade that complies with Appendix ~~N~~ Q created in Title 748, ~~Chapter 20, Subchapter 1, Section 19~~ of the Oklahoma Administrative Code shall be permitted; however, compliance with Appendix ~~N~~ Q is not mandatory.

- (b) The Building Code shall not become effective until at least three (3) copies, including modifications prescribed in this section, have been filed in the office of the City Clerk.
- (c) The following sections of the IBC are hereby amended, added, deleted, or substituted as noted:
- (1) 101.1 Title [Amended]. These regulations shall be known as the Building Code of the City of Norman, hereinafter referred to as "this code."
 - (2) 101.4.3 Plumbing [Amended]. The provisions of the *International Plumbing Code* shall apply to the installation, *alteration, repair* and replacement of plumbing systems, including equipment, appliances, fixtures, fittings and appurtenances, and where connected to a water or sewage system and all aspects of a medical gas system. Private sewage disposal systems shall conform to the regulations set forth in Title 252, Chapter 641 of the Oklahoma Administrative Code.
 - ~~(3) 101.4.5 Fire prevention [Amended]. The provisions of the *International Fire Code* shall apply to matters affecting or relating to structures, processes and premises from the hazard of fire and explosion arising from the storage, handling or use of structures, materials or devices; from conditions hazardous to life, property or public welfare in the occupancy of structures or premises; and from the construction, extension, *repair, alteration* or removal of fire suppression, *automatic sprinkler systems* and alarm systems or fire hazards in the structure or on the premises from occupancy or operation.~~
 - ~~(4)~~ 3 SECTION 103 DEVELOPMENT SERVICES DIVISION [Substitute]
 - ~~(4)~~ 5 103.1 Creation of enforcement agency [Amended]. The Development Services Division is hereby created and the official in charge thereof shall be known as the *building official*.
 - ~~(5)~~ 6 104.2.1 Determination of substantially improved or substantially damaged existing buildings and structures in flood hazard areas [Deleted]. IBC Section 104.2.1 is hereby deleted in favor of the provisions of Section 22-429.1 of the Code of the City of Norman.
 - ~~(6)~~ 7 104.10.1 Flood hazard areas [Amended]. The *building official* shall not grant modifications to any provisions required in *flood hazard areas* as established by Section 1612.3 without the prior issuance of a Flood Plain Permit by the City of Norman Flood Plain Permit Committee.
 - ~~(8) 105.1.1 Annual permit [Deleted]. IBC Section 105.1.1 is hereby deleted without substitution.~~
 - ~~(9) 105.1.2 Annual permit records [Deleted]. IBC Section 105.1.2 is hereby deleted without substitution.~~
 - ~~(7)~~ 10 105.2 Work exempt from permit [Amended]. Exemptions from *permit* requirements of this code shall not be deemed to grant authorization for any work to be done in any manner in violation of the

provisions of this code or any other laws or ordinances of this jurisdiction. *Permits* shall not be required for the following:

Building:

1. One-story detached accessory structures used as tool and storage sheds, playhouses and similar uses, provided the following: the floor area is not greater than ~~108~~ 120 square feet (10.03 M²); such building is not constructed on or attached to a concrete slab, foundation, or permanent base; and such building has no electric, plumbing or gas service connection.
2. Fences not over ~~8~~ 10 feet (2438 mm) high.
3. Oil derricks.
4. Retaining walls shall be permitted and built per the City of Norman Engineering Standards, as amended.

{The remainder of the section shall remain unchanged.}

~~(8 11)~~ 110.3.5 Insulation inspection [Substitute]. Insulation inspections shall be made after framing, mechanical, electrical, and plumbing rough-in inspections are approved and before the installation of any wall coverings.

~~(9 12)~~ ~~110.3.10.1~~ 110.3.11.1 Flood hazard documentation [Amended]. If located in a *flood hazard area*, the documentation of elevations required in Section 22-429.1 of the Code of the City of Norman shall be submitted to the Flood Plain Administrator prior to the final inspection.

~~(10 13)~~ SECTION 113 BOARD OF APPEALS [Deleted]. IBC Section 113 is hereby deleted in favor of the provisions of Section 4-1601 of the Code of the City of Norman.

~~(11 14)~~ CHAPTER 2 DEFINITIONS [Amended]. IBC Section 202 is adopted as published, provided that the following definition is hereby added to read as follows:

DIAPER CHANGING TABLE [Added]. A safe, sanitary and permanent affixed station, deck table, surface or similar amenity specifically set aside for changing a diaper. The diaper changing table shall have safety straps or other appropriate restraint to secure a baby or young child age 3 ½ or under. The diaper changing table shall meet ASTM F2285-04(2016) (Standard Consumer Safety Performance Specification for Diaper Changing Tables for Commercial Use) or shall be a permanent installed counter.

(12) 1109.2.1.8 Universal Changing Station [Added]. Family or assisted-use toilet and bathing rooms shall include a universal changing station for the assistance of persons with disabilities. The changing station area must be equipped with a height-adjustable changing table suitable for use for an adult or a child. The table shall be:

- a) of minimum dimension 24 inches in width by 70 inches in length;
- b) adjustable to allow lowering to a height no greater than 8 inches, and raising to a height no less than 34", above finished floor elevation; and,
- c) capable of supporting a minimum of 350 pounds.

Exception: Where a building is provided with more than one family or assisted-use toilet and bathing room, only one such room shall require a Universal Changing Station. Where this exception is utilized, signage shall be provided at all such rooms indicating the location of the Universal Changing Station.

~~(15) 1203.4.2 Exceptions [Amended]. The following are exceptions to Sections 1203.4 and 1203.4.1:~~

~~(16) 1210.4~~ 1210.4 Fixture placement [Added]. A water closet, urinal, lavatory or bidet shall not be set closer than 15 inches (381 mm) from its center to any side wall, partition, vanity or other obstruction, or closer than 30 inches (762 mm) center to center between adjacent fixtures. There shall be not less than a 21-inch (533 mm) clearance in front of the water closet, urinal, lavatory or bidet to any wall, fixture or door. Water closet compartments shall be not less than 30 inches (762 mm) in width and 60 inches (1524 mm) in depth for floor-mounted water closets and not less than 30 inches (762 mm) in width and 56 inches (1422 mm) in depth for wall-hung water closets.

~~(13 17) 1211.1~~ 1210.1 Required [Added]. Customers, patrons and visitors shall be provided with *diaper changing tables* in buildings and tenant spaces intended for public utilization. Both male and female occupants shall have access to at least one *diaper changing table*. Installation of the *diaper changing table* shall comply with this section.

Exceptions:

1. Group F, H, I-3, and S occupancies that are not accessed by the public.
2. Group B occupancies less than 10,000 sq ft (928 m²).
3. Dwelling units or sleeping units in Group R-1, R-2, R-3, I-1 or I-2.
4. Group E and U occupancies.
5. A building or tenant space that restricts entrance due to age such as a nightclub, bar or liquor store.

~~(14 18) 1211.2~~ 1210.2 Access [Added]. The required *diaper changing table* shall be located on an accessible route and the path to such facility shall not exceed a distance of 500 feet (152 m) or require access through an adjacent tenant space.

~~(15 19) 1211.3~~ 1210.3 Location [Added]. The required *diaper changing table* shall be installed in accordance with Section 603.5 of ICC A117.1 and be located per Section 1211.3.1 or 1211.3.2.

~~(16 20) 1211.3.1~~ 1210.3.1 Diaper changing table located in toilet rooms [Added]. A *diaper changing table* shall not be located in the accessible toilet compartment. Where multiple single-user toilet rooms are clustered together, a *diaper changing table* shall be located in at least two single-user toilet rooms, one of which is accessible.

Exception: A *diaper changing table* installed in a single-user toilet room that is not required to be accessible shall not be required to comply with clear floor space or knee and toe clearance provisions of ICC A117.1.

~~(17 21) 1211.3.2~~ 1210.3.2 Diaper changing table located in other than toilet rooms [Added]. A *diaper changing table* shall not be located in kitchens, storage rooms, closets or spaces used for similar purposes. A lavatory or a permanent hand sanitizer dispenser shall be located in the same room as the *diaper changing table*.

~~(18 22) 1211.4~~ 1210.4 Signage [Added]. Rooms containing *diaper changing tables* shall be provided with signs readily visible and located near the entrance to the room. Signs shall comply with Section 703 of ICC A117.1.

~~(23) 1403.7~~ Flood resistance for coastal high hazard areas and coastal A-zones [Deleted]. IBC Section 1403.7 is hereby deleted without substitution.

~~(19 24)~~ 1603.1.7 Flood design data [Amended]. For buildings located in whole or in part in *flood hazard areas* as established in Section 1612.3, the documentation pertaining to design shall be included as prescribed in Section 22-429.1 of the Code of the City of Norman.

~~(20 25)~~ 1612.1 General [Amended]. Within *flood hazard areas* as established in Section 1612.3, all new construction of buildings, structures and portions of buildings and structures, including substantial improvement and restoration of substantial damage to buildings and structures, shall be designed and

constructed to resist the effects of flood hazards and flood loads and in accordance with the provisions contained in Section 22-429.1 of the Code of the City of Norman.

(21 26)1612.3 Establishment of flood hazard areas [Amended]. Areas that have been determined to be prone to flooding shall be designated as *flood hazard areas* as shown on the City of Norman Special Flood Hazard Area Map.

(22 27)1612.3.1 Design flood elevations [Amended]. The design flood elevation shall be determined as prescribed in Section 22-429.1 of the Code of the City of Norman.

(23 28)1612.3.2 Determination of impacts [Deleted]. IBC Section 1612.3.2 is hereby deleted in favor of the provisions of Section 22-429.1 of the Code of the City of Norman.

(29) ~~1612.4 Design and construction [Amended]. The design and construction of buildings and structures located in flood hazard areas shall be in accordance with Chapter 5 of ASCE 7 and ASCE 24.~~

(24 30)1612.5 1612.4 Flood hazard documentation [Deleted]. IBC Section ~~1612.5~~ 1612.4 is hereby deleted in favor of the provisions of Section 22-429.1 of the Code of the City of Norman.

(25 31)1804.5 Grading and fill in flood hazard areas [Amended]. Grading, fill or both in *flood hazard areas* established in Section 1612.3, is prohibited without the prior issuance of a Flood Plain Permit by the City of Norman Flood Plain Permit Committee.

(26 32)2901.1 Scope [Amended]. The provisions of this chapter and the *International Plumbing Code* shall govern the erection, installation, *alteration*, repairs, relocation, replacement, addition to, use or maintenance of plumbing equipment and systems. Toilet and bathing rooms shall be constructed in accordance with Section 1210. Plumbing systems and equipment shall be constructed, installed and maintained in accordance with the *International Plumbing Code*. Private sewage disposal systems shall conform to the regulations set forth in Title 252, Chapter 641 of the Oklahoma Administrative Code.

(27 33)3106.1 General [Amended]. Marquees shall comply with Sections 3106.2 through 3106.5 and other applicable sections of this code. All marquees shall require a Consent to Encroach approval by the City Council.

(28 34)3202.3 Encroachments 8 feet or more above grade [Amended]. Encroachments 8 feet (2438 mm) or more above grade shall comply with Sections 3202.3.1 through 3202.3.4. Such encroachments, other than awnings and canopies, shall require a Consent to Encroach approval by the City Council.

(29 35)3306.1 Protection required [Amended]. Pedestrians shall be protected during construction, remodeling and demolition activities as required by this chapter and Table 3306.1. Signs shall be provided to direct pedestrian traffic. Where pedestrian protection encroaches in the public right of way a permit shall be obtained from the Department of Public Works per 1010.1(B) of the City of Norman Engineering Design Criteria.

(36) ~~CHAPTER 35 REFERENCED STANDARDS [Amended]. IBC Chapter 35 is hereby amended to include the following substitution:~~

[Substitute] "IECC 15 IECC 18 with "IECC 06"

[Substitute] "NFPA 13 13 with "NFPA 13 16"

[Substitute] "NFPA 13D 13 with "NFPA 13D 16"

[Substitute] "NFPA 13R 13 with "NFPA 13R 16"

[Substitute] "NFPA 14 13 with "NFPA 14 16"

[Substitute] "NFPA 17A 13 with "NFPA 17A 17"

[Substitute] "NFPA 20 13 with "NFPA 20 16"

[Substitute] "NFPA 30 12 with "NFPA 30 15"

~~[Substitute] "NFPA 72-13 with "NFPA 72-16"~~

Sec. 5-202. Adoption of the Existing Building Code.

- (a) Pursuant to 59 O.S. § 1000.23, the International Existing Building Code, ~~2015~~ 2018 edition, as published by the International Code Council, Inc., including modifications by the Oklahoma Uniform Building Code Commission as set forth in Title 748, ~~Chapter 20, Subchapter 7~~ of the Oklahoma Administrative Code; ~~more specifically Sections 8, effective September 15, 2017;~~ hereinafter referred to as "IEBC," is hereby adopted as the Existing Building Code of the City of Norman for regulating repair, alteration, change of occupancy, addition, and relocation of all existing buildings and structures, including historic buildings, with the same force and effect as if fully set out in this section with amendments thereto as prescribed in this section.
- (b) The Existing Building Code shall not become effective until at least three (3) copies, including modifications prescribed in this section, have been filed in the office of the City Clerk.
- (c) The following sections of the IEBC are hereby amended, added, deleted, or substituted as noted:
 - (1) 101.1 Title [Amended]. These regulations shall be known as the *Existing Building Code* of the City of Norman, hereinafter referred to as "this code."
 - (2) SECTION 103 DEVELOPMENT SERVICES DIVISION [Substitute]
 - (3) 103.1 Creation of enforcement agency [Amended]. The Development Services Division is hereby created and the official in charge thereof shall be known as the *code official*.
 - (4) 104.2.1 Determination of substantially improved or substantially damaged existing buildings and structures in flood hazard areas [Deleted]. IEBC Section 104.2.1 is hereby deleted in favor of the provisions of Section 22-429.1 of the Code of the City of Norman.
 - (5) 104.10.1 Flood hazard areas [Amended]. For *existing buildings* located in *flood hazard areas* for which *repairs, alterations and additions* constitute *substantial improvement*, the *code official* shall not grant modifications to any provisions required in flood hazard areas as established by Section 1612.3 of the *International Building Code* or Section R322 of the *International Residential Code* without the prior issuance of a Flood Plain Permit by the City of Norman Flood Plain Permit Committee.
 - ~~(6) 105.1.1 Annual permit [Deleted]. IEBC Section 105.1.1 is hereby deleted without substitution.~~
 - ~~(7) 105.1.2 Annual permit records [Deleted]. IEBC Section 105.1.2 is hereby deleted without substitution.~~
 - ~~(6)~~ 8 109.3.3 Lowest floor elevation [Amended]. For *additions and substantial improvements* to *existing buildings* in *flood hazard areas*, the documentation of elevations required in Section 22-429.1 of the Code of the City of Norman shall be submitted to the Flood Plain Administrator prior to the final inspection.
 - ~~(7)~~ 9 SECTION 112 BOARD OF APPEALS [Deleted]. IEBC Section 112 is hereby deleted in favor of the provisions of Section 4-1601 of the Code of the City of Norman.
 - ~~(10) CHAPTER 2 DEFINITIONS [Amended]. IEBC Section 202 is adopted as published, provided that the following definition is hereby added to read as follows:~~
 - DIAPER CHANGING TABLE [Added]. A safe, sanitary and permanent affixed station, deck table, surface or similar amenity specifically set aside for changing a diaper. The diaper changing table shall have safety straps or other appropriate restraint to secure a baby or young child age 3 1/2 or under. The diaper changing table shall meet ASTM F2285-04(2016) (Standard Consumer Safety Performance Specification for Diaper Changing Tables for Commercial Use) or shall be a permanent installed counter.
 - ~~(11) 702.7 Diaper changing table [Added]. Where the work area contains alterations or repairs in a toilet room that involves the removal and/or replacement of at least 50 percent of the water closets, a diaper changing table shall be provided in accordance with Section 1211 of the International Building~~

Code. Where the *alteration or repair* affects only a male or female toilet room, the requirements of Section 1211 of the *International Building Code* shall apply to only that toilet room. A *diaper changing table* installed in accordance with Section 705.1.15 shall be deemed to comply with this section.

Exceptions:

1. — No additional *diaper changing tables* are required where both male and female occupants have access to at least one *diaper changing table*.
2. — The *diaper changing table* may be located in the accessible toilet compartment where it is technically infeasible to maintain compliance with *ICC A117.1*.

~~(12) 705.1.15 Diaper changing table [Added]. Where it is technically infeasible to alter existing toilet rooms to install an accessible *diaper changing table* in accordance with Section 1211 of the *International Building Code*, a single room, available to male and female occupants, containing an accessible *diaper changing table* may be provided and located on the same level as the existing toilet rooms. This room may be an accessible family or assisted-use toilet room constructed in accordance with Section 1109.2.1 of the *International Building Code*, or any other room as allowed in Section 1211.3.2 of the *International Building Code*.~~

~~(13) 705.2 Alterations affecting an area containing a primary function [Amended]. Where an *alteration* affects the accessibility to a, or contains an area of, *primary function*, the route to the primary function area shall be accessible. The accessible route to the *primary function* area shall include toilet facilities, drinking fountains and diaper changing tables serving the area of primary function.~~

Exceptions:

1. — The costs of providing the accessible route are not required to exceed 20 percent of the costs of the alterations affecting the area of *primary function*.
2. — This provision does not apply to *alterations* limited solely to windows, hardware, operating controls, electrical outlets and signs.
3. — This provision does not apply to *alterations* limited solely to mechanical systems, electrical systems, installation or *alteration* of fire protection systems and abatement of hazardous materials.
4. — This provision does not apply to *alterations* undertaken for the primary purpose of increasing the accessibility of a *facility*.
5. — This provision does not apply to altered areas limited to Type B dwelling and sleeping units.

~~(14) 1012.1.5 Diaper changing table [Added]. *Diaper changing tables* shall be provided in accordance with Section 702.7 in existing buildings or tenant spaces that undergo *alterations* in conjunction with a change of group or occupancy.~~

~~(15) 1107.1 Diaper changing table [Added]. *Diaper changing tables* shall be provided in accordance with Section 1211 of the *International Building Code* in toilet rooms located in an addition to a building. Where *alterations* of the existing building or tenant space are performed in conjunction with the addition, *diaper changing tables* shall be provided in accordance with Section 702.7.~~

Exception: No additional *diaper changing tables* are required where both male and female occupants have access to at least one *diaper changing table*.

~~(16) CHAPTER 16 REFERENCED STANDARDS [Amended]. IEBC Chapter 16 Referenced Standards is hereby amended to include the following substitution:~~

~~[Substitute] "IECC 15" "IECC 18" with "IECC 06"~~

~~[Substitute] "NFPA 13R-13 with "NFPA 13R-16"~~

~~[Substitute] "NFPA 72-13 with "NFPA 72-16"~~

Sec. 5-203. Adoption of the Energy Code.

- (a) The International Energy Conservation Code, 2006 edition, as published by the International Code Council, Inc., hereinafter referred to as "IECC" is hereby adopted as the Energy Code of the City of Norman for regulating energy efficient building envelopes and installation of energy efficient mechanical, lighting and power systems with the same force and effect as if fully set out in this section with amendments thereto as prescribed in this section.
- (b) The Energy Code shall not become effective until at least three (3) copies thereof, including modifications prescribed in this section, have been filed in the office of the City Clerk.
- (c) The following sections of the IECC are hereby amended, added, deleted, or substituted as noted:
 - (1) 101.1 Title [Amended]. These regulations shall be known as the Energy Code of the City of Norman, hereinafter referred to as "this code."
 - (2) CHAPTER 6 REFERENCED STANDARDS [Amended]. IECC Chapter 6 is hereby amended to include the following substitutions:
 - [Substitute] "IBC-06" with "~~IBC-15~~" "IBC-18"
 - [Substitute] "ICC EC-06 ICC Electrical Code" with "~~NFPA® 70-14 National Electrical Code~~" "NFPA® 70-20 National Electrical Code"
 - [Substitute] "IFC-06" with "~~IFC-15~~" "IFC-18"
 - [Substitute] "IFGC-06" with "~~IFGC-15~~" "IFGC-18"
 - [Substitute] "IMC-06" with "~~IMC-15~~" "IMC-18"
 - [Substitute] "IPC-06" with "~~IPC-15~~" "IPC-18"
 - [Substitute] "IRC-06" with "~~IRC-15~~" "IRC-18"

Sec. 5-204. Adoption of the Plumbing Code.

- (a) Pursuant to 59 O.S. § 1000.23, the International Plumbing Code, ~~2015~~ 2018 edition, including Appendix B, C, D, and E; as published by the International Code Council, Inc., including modifications by the Oklahoma Uniform Building Code Commission as set forth in Title 748, ~~Chapter 20, Subchapter 15~~ of the Oklahoma Administrative Code; ~~more specifically Sections 7, 8, 9, 11, 12, 14, 15, 16, and 16.1, effective September 15, 2017;~~ hereinafter referred to as "IPC," is hereby adopted as the Plumbing Code of the City of Norman for regulating design, construction, quality of materials, erection, installation, alteration, repair, location, relocation, replacement, addition to, use or maintenance of plumbing systems with the same force and effect as if fully set out in this section with amendments thereto as prescribed in this section.
- (b) The Plumbing Code shall not become effective until at least three (3) copies, including modifications prescribed in this section, have been filed in the office of the City Clerk.
- (c) The following sections of the IPC are hereby amended, added, deleted, or substituted as noted:
 - (1) 101.1 Title [Amended]. These regulations shall be known as the *Plumbing Code* of the City of Norman, hereinafter referred to as "this code."
 - (2) 101.2.1 Appendices [Added]. The provisions in appendices B, C, D and E are hereby adopted and are considered a part of this code. All other appendices are not adopted and shall not apply.
 - (3) SECTION 103 DEVELOPMENT SERVICES DIVISION [Substitute]
 - (4) 103.1 General [Amended]. The Development Services Division is hereby created and the official in charge thereof shall be known as the *code official*.

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- ~~(5) 106.1.1 Annual permit [Deleted]. IPC Section 106.1.1 is hereby deleted without substitution.~~
- ~~(6) 106.1.2 Annual permit records [Deleted]. IPC Section 106.1.2 is hereby deleted without substitution.~~
- ~~(5 7) 106.6 Fees [Amended]. A permit shall not be valid until the fees prescribed by law have been paid, nor shall an amendment to a permit be released until the additional fee, if any, has been paid.~~
- ~~(6 8) 106.6.1 Work commencing before permit issuance [Amended]. Any person who commences any work on a plumbing system before obtaining the necessary permits shall be subject to a fee established by the *code official* that shall be in addition to the required permit fees.~~
- ~~(7 9) 106.6.2 Fee schedule [Deleted]. IPC Section 106.6.2 is hereby deleted without substitution.~~
- ~~(8 10) 106.6.3 Fee refunds [Amended]. The *code official* is authorized to establish a refund policy.~~
- ~~(9 11) 108.4 Violation penalties [Amended]. Any person who violates a provision of this code or fails to comply with any of the requirements thereof or who erects, installs, alters or repairs plumbing work in violation of the approved construction documents, directive of the *code official* or of a permit issued under the provisions of this code, shall be subject to penalties as prescribed by law.~~
- ~~(10 12) 108.5 Stop work orders [Amended]. Upon notice from the *code official* that work on any plumbing system regulated by this code is being performed in a manner either contrary to the provisions of this code or dangerous or unsafe, the *code official* is authorized to issue a stop work order. The stop work order shall be in writing and shall be given to the owner of the property involved, to the owner's authorized agent or to the person performing the work. The stop work order shall state the reason for the order and the conditions under which the cited work will be permitted to resume. Any person who shall continue any work on the plumbing system after having been served with a stop work order, except such work as that person is directed to perform to remove the violation or unsafe condition, shall be subject to penalties as prescribed by law.~~
- ~~(11 13) SECTION 109 MEANS OF APPEAL [Deleted]. IPC Section 109 is hereby deleted in favor of the provisions of Section 4-1601 of the Code of the City of Norman.~~
- ~~(14) CHAPTER 2 DEFINITIONS [Amended]. IPC Section 202 is adopted as published, provided that the following definition is hereby added to read as follows:~~
- ~~SERVICE SINK [Added]. In occupancy groups B, M, S and U a service sink is defined as any approved sink, basin or bowl that discharges to the building sewer and can be used in conjunction with a potable water faucet for the purpose of building cleaning and/or maintenance provided the potable water faucet is not also used for drinking water.~~
- ~~(15) 312.6 Gravity sewer test [Amended]. Where required, gravity sewer tests shall consist of plugging the end of the *building sewer* at the point of connection with the building cleanout, filling the *building sewer* with water, testing with not less than 5 foot (1024 mm) head of water and maintaining such pressure for 15 minutes.~~
- ~~(16) 410.4 Substitution [Amended]. Where restaurants provide *drinking water* in a container free of charge, *drinking fountains* shall not be required in those restaurants. In occupancy Group B, F, M, I-4 and S, with an occupant load less than 50, where drinking fountains are required, a *water dispenser* connected to the potable water distribution system shall be permitted to be substituted for the required *drinking fountain*. In other occupancies where *drinking fountains* are required, *water dispensers* shall be permitted to be substituted for not more than 50 percent of the required number of *drinking fountains*.~~
- ~~(17) 701.2 Sewer required [Amended]. Buildings in which plumbing fixtures are installed and premises having drainage piping shall be connected to a public *sewer*, where available, or an *approved private sewage disposal system* as set forth in Title 252, Chapter 641 of the Oklahoma Administrative Code.~~
- ~~(18) CHAPTER 15 REFERENCED STANDARDS [Amended]. IPC Chapter 15 is hereby amended to include the following substitution:~~

[Substitute] "IECC-15" ~~"IECC-18"~~ with "IECC-06"

Sec. 5-205. Adoption of the Mechanical Code.

- (a) Pursuant to 59 O.S. § 1000.23, the International Mechanical Code, ~~2015~~ 2018 edition, including Appendix A, as published by the International Code Council, Inc., including modifications by the Oklahoma Uniform Building Code Commission as set forth in Title 748, ~~Chapter 20, Subchapter 13~~ of the Oklahoma Administrative Code; ~~more specifically Sections 8, 9, 10, and 10.1, effective September 15, 2017;~~ hereinafter referred to as "IMC," is hereby adopted as the Mechanical Code of the City of Norman for regulating design, construction, quality of materials, erection, installation, alteration, repair, location, relocation, replacement, addition to, use or maintenance of mechanical systems with the same force and effect as if fully set out in this section with amendments thereto as prescribed in this section.
- (b) The Mechanical Code shall not become effective until at least three (3) copies, including modifications prescribed in this section, have been filed in the office of the City Clerk.
- (c) The following sections of the IMC are hereby amended, added, deleted, or substituted as noted:
 - (1) 101.1 Title [Amended]. These regulations shall be known as the *Mechanical Code* of the City of Norman, hereinafter referred to as "this code."
 - (2) 101.2.1 Appendices [Amended]. The provisions in appendix A is hereby adopted and is considered a part of this code. All other appendices are not adopted and shall not apply.
 - (3) SECTION 103 DEVELOPMENT SERVICES DIVISION [Substitute]
 - (4) 103.1 General [Amended]. The Development Services Division is hereby created and the official in charge thereof shall be known as the *code official*.
 - ~~(5) 106.1.1 Annual permit [Deleted]. IMC Section 106.1.1 is hereby deleted without substitution.~~
 - ~~(6) 106.1.2 Annual permit records [Deleted]. IMC Section 106.1.2 is hereby deleted without substitution.~~
 - ~~(5 7)~~ 106.5 Fees [Amended]. A permit shall not be valid until the fees prescribed by law have been paid, nor shall an amendment to a permit be released until the additional fee, if any, has been paid.
 - ~~(6 8)~~ 106.5.1 Work commencing before permit issuance [Amended]. Any person who commences any work on a mechanical system before obtaining the necessary permits shall be subject to a fee established by the *code official* that shall be in addition to the required permit fees.
 - ~~(7 9)~~ 106.5.2 Fee schedule [Deleted]. IMC Section 106.5.2 is hereby deleted without substitution.
 - ~~(8 10)~~ 106.5.3 Fee refunds [Amended]. The *code official* is authorized to establish a refund policy.
 - ~~(9 11)~~ 108.4 Violation penalties [Amended]. Any person who violates a provision of this code or fails to comply with any of the requirements thereof or who erects, installs, alters or repairs mechanical work in violation of the *approved construction documents*, directive of the *code official* or of a permit issued under the provisions of this code shall be subject to penalties as prescribed by law.
 - ~~(10 12)~~ 108.5 Stop work orders [Amended]. Upon notice from the *code official* that work on any mechanical system regulated by this code is being performed in a manner either contrary to the provisions of this code or dangerous or unsafe, the *code official* is authorized to issue a stop work order. The stop work order shall be in writing and shall be given to the owner of the property involved, to the owner's authorized agent or to the person performing the work. The stop work order shall state the reason for the order and the conditions under which the cited work will be permitted to resume. Any person who shall continue any work on the mechanical system after having been served with a stop work order, except such work as that person is directed to perform to remove the violation or unsafe condition, shall be subject to penalties as prescribed by law.

~~(11 13)~~SECTION 109 MEANS OF APPEAL [Deleted]. IMC Section 109 is hereby deleted in favor of the provisions of Section 4-1601 of the Code of the City of Norman.

~~(14) 504.8.1 Material and size [Amended]. Exhaust ducts shall have a smooth interior finish and shall be constructed of metal a minimum 0.016 inch (0.4 mm) thick. The exhaust duct size shall be 4 inches (102 mm) nominal in diameter.~~

~~Exception: Schedule 40 PVC pipe may be used if the installation complies with all of the following:~~

- ~~1. The duct shall be installed under a concrete slab poured on grade and arranged to drain to the building exterior.~~
- ~~2. The under floor trench in which the duct is installed shall be completely backfilled with sand or gravel.~~
- ~~3. The PVC duct shall extend not greater than 1 inch above the indoor concrete floor surface.~~
- ~~4. The PVC duct shall extend not greater than 1 inch above grade outside of the building.~~
- ~~5. The PVC ducts shall be solvent cemented.~~

~~(15) 507.2 Type I hoods [Amended]. Type I hoods shall be installed where cooking appliances produce grease or smoke as a result of the cooking process. Type I hoods shall be installed over medium-duty, heavy-duty and extra-heavy-duty cooking appliances.~~

~~Exception: A Type I hood shall not be required for an electric cooking appliance where an approved testing agency provides documentation that the appliance effluent contains 5 mg/m² or less of grease when tested at an exhaust flow rate of 500 cfm (0.236 m³/s) in accordance with UL 710B.~~

~~(B) [Deleted]. The exception added in Title 748, Chapter 20, Subchapter 13, Subsection 9, item (2) of the Oklahoma Administrative Code; is hereby deleted without substitution.~~

~~(16) CHAPTER 15 REFERENCED STANDARDS [Amended]. IMC Chapter 15 is hereby amended to include the following substitution:~~

~~{Substitute} "IECC 15" with "IECC 06"~~

~~{Substitute} "NFPA 72-13" with "NFPA 72-16"~~

Sec. 5-206. Adoption of the Fuel Gas Code.

- (a) Pursuant to 59 O.S. § 1000.23, the International Fuel Gas Code, 2015 2018 edition, including Appendix A, B, and C, as published by the International Code Council, Inc., including modifications by the Oklahoma Uniform Building Code Commission as set forth in Title 748, Chapter 20, Subchapter 11 of the Oklahoma Administrative Code; more specifically Sections 6.1, 7 and 8, effective September 15, 2017; hereinafter referred to as "IFGC," is hereby adopted as the Fuel Gas Code of the City of Norman for regulating installation of gas piping and fuel fired appliances with the same force and effect as if fully set out in this section with amendments thereto as prescribed in this section.
- (b) The Fuel Gas Code shall not become effective until at least three (3) copies, including modifications prescribed in this section, have been filed in the office of the City Clerk.
- (c) The following sections of the IFGC are hereby amended, added, deleted, or substituted as noted:
 - (1) 101.1 Title [Amended]. These regulations shall be known as the *Fuel Gas Code* of the City of Norman, hereinafter referred to as "this code."
 - (2) 101.3 Appendices [Amended]. The provisions in appendices A, B and C are hereby adopted and are considered a part of this code. All other appendices are not adopted and shall not apply.
 - (3) SECTION 103 DEVELOPMENT SERVICES DIVISION [Substitute]

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- (4) 103.1 General [Amended]. The Development Services Division is hereby created and the official in charge thereof shall be known as the *code official*.
- ~~(5) 106.1.1 Annual permit [Deleted]. IFGC Section 106.1.1 is hereby deleted without substitution.~~
- ~~(6) 106.1.2 Annual permit records [Deleted]. IFGC Section 106.1.2 is hereby deleted without substitution.~~
- (5 7) 106.6 Fees [Amended]. A permit shall not be valid until the fees prescribed by law have been paid, nor shall an amendment to a permit be released until the additional fee, if any, has been paid.
- (6 8) 106.6.1 Work commencing before permit issuance [Amended]. Any person who commences any work on an installation before obtaining the necessary permits shall be subject to a fee established by the *code official* that shall be in addition to the required permit fees.
- (7 9) 106.6.2 Fee schedule [Deleted]. IFGC Section 106.6.2 is hereby deleted without substitution.
- (8 10) 106.6.3 Fee refunds [Amended]. The *code official* is authorized to establish a refund policy.
- (9 11) 108.4 Violation penalties [Amended]. Any person who violates a provision of this code or fails to comply with any of the requirements thereof or who erects, installs, alters or repairs work in violation of the *approved construction documents*, directive of the *code official* or of a permit issued under the provisions of this code, shall be subject to penalties as prescribed by law.
- (10 12) 108.5 Stop work orders [Amended]. Upon notice from the *code official* that work regulated by this code is being performed in a manner either contrary to the provisions of this code or dangerous or unsafe, the *code official* is authorized to issue a stop work order. The stop work order shall be in writing and shall be given to the owner of the property involved, to the owner's authorized agent or to the person performing the work. The stop work order shall state the reason for the order and the conditions under which the cited work will be permitted to resume. Any person who shall continue any work on the system after having been served with a stop work order, except such work as that person is directed to perform to remove the violation or unsafe condition, shall be subject to penalties as prescribed by law.
- (11 13) SECTION 109 MEANS OF APPEAL [Deleted]. IFGC Section 109 is hereby deleted in favor of the provisions of Section 4-1601 of the Code of the City of Norman.
- ~~(14) 305.3 Elevation of ignition source [Amended]. *Equipment and appliances having an ignition source shall be elevated such that the source of ignition is not less than 18 inches (457 mm) above the floor surface on which the equipment or appliance rest in hazardous locations and public garages, private garages, repair garages, motor fuel dispensing facilities and parking garages. For the purpose of this section, rooms or spaces that are not part of the living space of a dwelling unit and that communicate directly with a private garage through openings shall be considered to be part of the private garage.*~~
- ~~Exception: Elevation of the *ignition source* is not required for *appliances* that are *listed* as flammable vapor ignition resistant.~~
- ~~(15) 310.1.1 CSST [Amended]. Corrugated stainless steel tubing (CSST) gas *piping* systems and *piping* systems containing one or more segments of CSST shall be bonded to the electrical service grounding electrode system or, where provided, the lightning protection grounding electrode system.~~
- ~~Exception: [Deleted] The exception added in Title 748, Chapter 20, Subchapter 11, Section 7, Item (6) of the Oklahoma Administrative Code; is hereby deleted without substitution.~~
- (16) CHAPTER 8 REFERENCED STANDARDS [Amended]. IFGC Chapter 8 is hereby amended to include the following substitution:
- [Substitute] "IECC 15" with "IECC 06"

Sec. 5-207. Adoption of the Electrical Code.

- (a) Pursuant to 59 O.S. § 1000.23, the NFPA® 70, National Electrical Code, ~~2014~~ 2020 edition, including Annex H, as published by the National Fire Protection Association®, including modifications by the Oklahoma Uniform Building Code Commission as set forth in Title 748, ~~Chapter 20, Subchapter 9~~ of the Oklahoma Administrative Code; ~~more specifically Sections 6.1, 6.2, 7, and 8, effective September 15, 2017;~~ hereinafter referred to as "NEC," is hereby adopted as the Electrical Code of the City of Norman for regulating electrical installations made, maintained and operated with the same force and effect as if fully set out in this section with amendments thereto as prescribed in this section.
- (b) The Electrical Code shall not become effective until at least three (3) copies, including modifications prescribed in this section, have been filed in the office of the City Clerk.
- (c) The following sections of the NEC are hereby amended, added, deleted, or substituted as noted:
 - (1) 80.7 Title [Amended]. NEC Annex H These regulations shall be known as the *Electrical Code* of the City of Norman, hereinafter referred to as this *Code*.
 - (2) 80.15 Electrical Board [Deleted]. NEC Annex H Article 80.15 is hereby deleted without substitution.
 - ~~(3) 80.19 (D) Annual Permits [Deleted]. NEC Annex H Article 80.19 Section (D) is hereby deleted without substitution.~~
 - ~~(3)~~ 4) 80.23 (B) (3) [Amended]. Any person who violates a provision of this code or fails to comply with any of the requirements thereof or who erects, constructs, alters or repairs work in violation of the approved construction documents, directive of the *code official* or of a permit issued under the provisions of this code, shall be subject to penalties as prescribed by law.
 - ~~(4)~~ 5) 80.27 Inspector's Qualifications [Deleted]. NEC Annex H Article 80.27 is hereby deleted in favor of the provisions of Title 158, Chapter 60 of the Oklahoma Administrative Code.
 - ~~(5)~~ 6) 110.5 Conductors [Amended]. Conductors normally used to carry current shall be of copper unless otherwise provided in this *Code*. Where the conductor material is not specified, the material and the sizes given in this *Code* shall apply to copper conductors. Where other materials are used, the size shall be changed accordingly. The use of aluminum conductors shall be prohibited except for exterior uses and for underground service feeders for manufactured homes.
Informational Note: For aluminum and copper-clad aluminum conductors, see 310.15.
 - ~~(7) 210.23(A)(3) Dwelling Occupancies [Added]. Dwelling unit receptacle outlets installed in accordance with 210.52 and lighting outlets installed in accordance with 210.70 shall be limited to a maximum of 10 for 20-ampere and a maximum of 8 for 15-ampere branch circuits. Kitchen receptacle outlets installed in accordance with 210.52(B)(3) and 210.52(C) shall not exceed 5.~~
 - ~~(6)~~ 8) 230.70(A)(1) Readily Accessible Location [Amended]. The service disconnecting means shall be installed at a readily accessible location either outside of a building or structure or inside nearest the point of entrance of the service conductors. The distance from the point of entrance of a building or structure to the service disconnecting equipment enclosure shall not exceed 24 inches measured horizontally or 60 inches measured vertically.
 - ~~(7)~~ 9) 312.8 A (4) Mounting Height [Added]. Enclosures for switches or over-current devices shall be installed so the bottom of the enclosure is not less than 600 mm (2 feet) above finish grade or working platform unless specifically listed or approved for an alternate mounting height.
 - ~~(10) 334.10(3) & (4) [Deleted]. NEC Article 334.10 Items (3) & (4) are hereby deleted without substitution.~~

Sec. 5-208. Adoption of the Residential Code.

- (a) Pursuant to 59 O.S. § 1000.23, the International Residential Code for One- and Two-Family Dwellings, ~~2015~~ 2018 edition, including Appendix E, K and Q as published by the International Code Council, Inc., including modifications by the Oklahoma Uniform Building Code Commission as set forth in Title 748, ~~Chapter 20, Subchapter 5~~ of the Oklahoma Administrative Code; ~~more specifically Sections 3, 5.1, 6, 7, 8, 9, 10, 11, 11.1, 11.2, 12, 13, 13.1, 13.2, 14, 15, 16, 17, 19, 20, 22, 22.1, and 24, effective September 15, 2017;~~ hereinafter referred to as "IRC," is hereby adopted as the Residential Code of the City of Norman for regulating construction, alteration, movement, enlargement, replacement, repair, equipment, location, removal, and demolition; of detached one- and two-family dwellings, townhouses, manufactured homes, or accessory structures; not more than three stories in height with separate means of egress with the same force and effect as if fully set out in this section with amendments thereto as prescribed in this section.

~~In addition, any construction, alteration, repair, or installation of automatic fire systems in one- and two-family dwellings that complies with Appendix V created in Title 748, Chapter 20, Subchapter 5, Section 25 of the Oklahoma Administrative Code shall be permitted; however, compliance with Appendix V is not mandatory.~~

~~Any permanent certificate for energy efficiency in one- and two-family dwellings that complies with Appendix W created in Title 748, Chapter 20, Subchapter 5, Section 26 of the Oklahoma Administrative Code shall be permitted; however, compliance with Appendix W is not mandatory.~~

~~Any construction, alteration, repair, or installation of swimming pools, spas or hot tubs that complies with Appendix X created in Title 748, Chapter 20, Subchapter 5, Section 27 of the Oklahoma Administrative Code shall be permitted; however, compliance with Appendix X is not mandatory.~~

~~Any new construction with enhanced tornado provision in one- and two-family dwellings that complies with Appendix Y created in Title 748, Chapter 20, Subchapter 5, Section 28 of the Oklahoma Administrative Code shall be permitted; however, compliance with Appendix Y is not mandatory.~~

- (b) The Residential Code shall not become effective until at least three (3) copies, including modifications prescribed in this section, have been filed in the office of the City Clerk.
- (c) The following sections of the IRC are hereby amended, added, deleted, or substituted as noted:
- (1) R101.1 Title [Amended]. These regulations shall be known as the *Residential Code for One- and Two-family Dwellings* of the City of Norman, hereinafter referred to as "this code."
 - (2) R102.5 Appendices [Amended]. The provisions in appendices E, K and Q are hereby adopted and are considered a part of this code. All other appendices are not adopted and shall not apply.
 - ~~(3) R102.7 Existing structures [Amended]. The legal occupancy of any structure existing on the date of adoption of this code shall be permitted to continue without change, except as is specifically covered in this code, the *International Property Maintenance Code*, the *International Fire Code* or *NFPA 1*, or as is deemed necessary by the *building official* for the general safety and welfare of the occupants and the public.~~
 - ~~(3) 4~~ SECTION R103 DEVELOPMENT SERVICES DIVISION [Substitute]
 - ~~(4) 5~~ R103.1 Creation of enforcement agency [Amended]. The Development Services Division is hereby created and the official in charge thereof shall be known as the *building official*.
 - ~~(5) 6~~ R104.10.1 Flood hazard areas [Amended]. The *building official* shall not grant modifications to any provisions required in flood hazard areas as established by Table R301.2(1) without the prior issuance of a Flood Plain Permit by the City of Norman Flood Plain Permit Committee.
 - ~~(6) 7~~ R105.2 Work exempt from permit [Amended]. Exemption from *permit* requirements of this code shall not be deemed to grant authorization for any work to be done in any manner in violation of the provisions of this code or any other laws or ordinances of this *jurisdiction*. *Permits* shall not be required for the following:

Building:

1. One-story detached *accessory structures* used as tool and storage sheds, playhouses and similar uses, provided the following: the floor area is not greater than ~~108-120~~-square feet (10.03 M²); such building is not constructed on or attached to a concrete slab, foundation, or permanent base; and such building has no electric, plumbing or gas service connection.
2. Fences not over ~~8~~ 10 feet (2438 mm) high.
3. Retaining walls shall be permitted and built per the City of Norman Engineering Standards, as amended.
4. Water tanks supported directly on *grade* if the capacity does not exceed 5,000 gallons (18 927 L) and the ratio of height to diameter or width does not exceed 2 to 1.
5. [Deleted] This item is hereby deleted without substitution.
6. Painting, papering, tiling, carpeting, cabinets, counter tops and similar finish work.
7. Prefabricated swimming pools that are less than 24 inches deep. Seasonal Swimming pools that are erected for less than 180 consecutive days.

{The remainder of the section shall remain unchanged.}

- ~~(7 8)~~ R105.3.1.1 Determination of substantially improved or substantially damaged existing buildings in flood hazard areas [Deleted]. IRC Section R105.3.1.1 is hereby deleted in favor of the provisions of Section 22-429.1 of the Code of the City of Norman.
- ~~(8 9)~~ R105.7 Placement of permit [Amended]. For additions and alterations only, the building *permit* or a copy shall be kept on the site of the work until the completion of the project.
- ~~(9 10)~~ R106.1.4 Information for construction in flood hazard areas [Deleted]. IRC Section R106.1.4 is hereby deleted in favor of the provisions of Section 22-429.1 of the Code of the City of Norman.
- ~~(10 11)~~ R106.5 Retention of construction documents [Amended]. The floor and site plan shall be retained by the *building official* for a period of not less than 180 days from date of completion of the permitted work, or as required by state or local laws.
- ~~(11 12)~~ R109.1.3 Floodplain inspections [Deleted]. IRC Section R109.1.3 is hereby deleted in favor of the provisions of Section 22-429.1 of the Code of the City of Norman.
- ~~(12 13)~~ R109.1.4 Frame inspection [Amended]. Inspection of framing construction shall be made after the roof, framing, firestopping, draftstopping and bracing are in place and after the plumbing, mechanical and electrical rough inspections are *approved*.
- ~~(13 14)~~ R109.1.5.2 Insulation inspection [Added]. Insulation inspections shall be made after framing, mechanical, electrical, and plumbing rough-in inspections are approved and before the installation of wallboard materials. Wallboard materials include, but are not limited to lath, plaster, gypsum wallboard, wood paneling, sheet metal and the like.
- ~~(14 15)~~ R109.1.6.1 Elevation documentation [Amended]. If located in a flood hazard area, the documentation of elevations required in Section 22-429.1 of the Code of the City of Norman shall be submitted to the Flood Plain Administrator prior to the final inspection.
- ~~(15 16)~~ R109.3 Inspection requests [Amended]. It shall be the duty of the *permit* holder or their agent to notify the *building official* that such work is ready for inspection. It shall be the duty of the person requesting any inspections required by this code to provide safe access to and means for inspection of such work.
- ~~(16 17)~~ R110.1 Use and occupancy [Amended]. A building or structure shall not be used or occupied, and a change in the existing use or occupancy classification of a building or structure or portion thereof shall not be made, until the *building official* has issued a certificate of occupancy therefor as provided

herein. Issuance of a certificate of occupancy shall not be construed as an approval of a violation of the provisions of this code or of other ordinances of the *jurisdiction*. Certificates presuming to give authority to violate or cancel the provisions of this code or other ordinances of the *jurisdiction* shall not be valid.

Exception: Certificates of occupancy are not required for work exempt from permits under Section R105.2.

~~(17-18)~~ SECTION R112 BOARD OF APPEALS [Deleted]. IRC Section R112 is hereby deleted in favor of the provisions of Section 4-1601 of the Code of the City of Norman.

~~(19)~~ CHAPTER 2 DEFINITIONS [Amended]. IRC Section R202 is adopted as published, provided that the following definition is hereby amended to read as follows:

FIRE SEPARATION DISTANCE [Amended]. The distance measured from the building face to one of the following:

1. ~~To the closest interior lot line.~~
2. ~~To the centerline of a street, an alley or public way.~~
3. ~~To an imaginary line between two buildings on the lot.~~
4. ~~To the limits of an easement on an adjacent property which restricts construction within said easement and has been recorded and filed with the Cleveland County Clerk, if approved by the building official.~~

The distance shall be measured at a right angle from the face of the wall.

~~(18-20)~~ TABLE R301.2(1) CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA [Amended]

<u>Ground snow load</u>	<u>Wind Design</u>				<u>Seismic design category^f</u>
	<u>Speed^d (mph)</u>	<u>Topographic effects^k</u>	<u>Special wind region^l</u>	<u>Wind-borne debris zone^m</u>	
<u>10 lbs/ft²</u>	<u>115</u>	<u>NO</u>	<u>NO</u>	<u>NO</u>	<u>C</u>

<u>Subject to damage from</u>			<u>Winter design temp^e</u>
<u>Weathering^a</u>	<u>Frost line depth^b</u>	<u>Termite^c</u>	
<u>Moderate</u>	<u>18"</u>	<u>Moderate to heavy</u>	<u>13° F</u>

<u>Ice barrier underlayment required^h</u>	<u>Flood hazards^g</u>	<u>Air freezing indexⁱ</u>	<u>Mean annual temp^j</u>
<u>NO</u>	<u>Section 22-429.1(3)a Code of the City of Norman</u>	<u>300</u>	<u>61.3° F</u>

{The footnotes shall remain unchanged.}

State of Oklahoma Residential Manual J Load Calculation Design Criteria ⁿ				Data from ACCA, ASHRAE Fundamentals			
<u>Elevation¹</u>	<u>Latitude²</u>	<u>Winter Heating³</u>	<u>Summer cooling⁴</u>	<u>Altitude correction factor⁵</u>	<u>Indoor design temperature⁶ (winter)</u>	<u>Design temperature cooling⁶</u>	<u>Heating temperature difference⁶</u>

<u>451 ft- 3266 ft</u>	<u>33.909 N- 36.605 N</u>	<u>11.8 ° - 25 ° F</u>	<u>95° - 101.8° F</u>	<u>.99 -.89</u>	<u>68° - 70° F</u>	<u>72° - 75° F</u>	<u>58.2° - 45° F</u>
<u>Cooling Temperature difference⁶</u>	<u>Wind velocity heating⁷</u>	<u>Wind velocity cooling⁷</u>	<u>Coincident wet bulb⁸</u>	<u>Daily range⁹</u>	<u>Winter humidity⁶</u>	<u>Summer humidity⁶</u>	<u>-</u>
<u>23°F -26.8°F</u>	<u>15 mph</u>	<u>7.5 mph</u>	<u>67.5° -77.4°F</u>	<u>M</u>	<u>30%</u>	<u>50% - 65%</u>	<u>-</u>

n. The jurisdiction shall fill in these sections of the table to establish the design criteria using Table 1A or 1b from ACCA Manual J or established criteria determined by the jurisdiction.

Recommendation is to use range of values noted above for Oklahoma Residential Manual J® 8th Edition calculations.

Residential Manual J® 8th Edition written in 2002 utilized 17 weather data points in Oklahoma. ASHRAE 2021 utilized 41 weather data points in Oklahoma. Interesting note MJ8 winter heating (DB) in 2002

was 9° in Ponca City. In 2021 ASHRAE winter heating DB for data (1994-2019) is 15.7°. Summer cooling max Manual J® 8th Edition 2002 was 100° in Altus AFB. In 2021 ASHRAE cooling maximum (period 1994-1999) is 101.8. Data shows Oklahoma increasing in temperature design values for winter and summer. This chart should be updated every 3 years for accurate values.

1. Poteau, OK Lowest Goodwell 2 E., OK Highest (Panhandle)
2. Latitude is used to adjust fenestration Heat Transfer Multipliers values for both generic glass with and without internal shades. McCurtain County AP, OK (S. Border) Lowest Grove, OK Highest
3. Values are 99% Dry Bulb (DB) Goodwell 2 E. OK Lowest Ardmore, OK Highest
4. Values are 1% Dry Bulb Claremore, OK Lowest Altus AFB Highest
5. The altitude correction factor is used to adjust sensible/latent/total heat transfer equations value range. From 1.0 - .63
6. Manual J® 8th Edition – Heating 70° with no humidification Cooling 75°F and 50% RH ASHRAE 2021 – Heating 68°F and 30% RH Cooling 75°F and 65% RH 72° cooling typical in Oklahoma Heating/cooling difference = indoor design temp minus Winter/Summer design temperatures
7. Values used for infiltration driving force Manual J® 8th Edition/ASHRAE - SAME Heating 15 mph Cooling 7.5 mph
8. Manual J® 8th Edition - 73° - 76° (Oklahoma) Wet bulb values are used to determine the design grains value ASHRAE – 67.5 Guymon, OK (Oklahoma specific) 77.4 Poteau, OK
9. Daily range is equal to average difference between hottest daily high and low. Dry Bulb temperatures at a specific location used to estimate cooling load factor. Manual J® 8th Edition – Medium for Oklahoma ASHRAE – Specific average values – per month per location

~~(21) TABLE R301.5 MINIMUM UNIFORMLY DISTRIBUTED LIVE LOADS [Amended]~~

~~{The table shall remain unchanged.}~~

Footnotes:

- a. ~~Elevated garage floors shall be capable of supporting a 2,000-pound load applied over a 20-square-inch area.~~
- b. ~~[Amended] Uninhabitable attics without storage are those where the clear height between joists and rafters is not more than 42 inches, or where there are not two or more adjacent trusses with~~

web configurations capable of accommodating an assumed rectangle 42 inches in height by 24 inches in width, or greater, within the plane of the trusses, or the space is more than 10 feet from the point of entry to the attic space and no provision for attic storage is installed. This live load need not be assumed to act concurrently with any other live load requirements.

{The remainder of the footnotes shall remain unchanged.}

- (19 22) R302.1 Exterior walls [Amended]. Construction, projections, openings and penetrations of exterior walls of dwellings and accessory buildings shall comply with Table R302.1(1); or dwellings equipped throughout with an *automatic sprinkler system* installed in accordance with Section P2904 shall comply with Table R302.1(2).

Exceptions:

1. Walls, projections, openings or penetrations in walls perpendicular to the line used to determine the fire separation distance.
2. Walls of dwellings and accessory structures located on the same lot.
3. Detached tool sheds and storage sheds, playhouses and similar structures exempted from permits are not required to provide wall protection based on location on the lot. Projections beyond the exterior wall shall not extend over the lot line.
4. Detached garages accessory to a dwelling located within 2 feet (610 mm) of a lot line are permitted to have roof eave projections not exceeding 4 inches (102 mm).
5. Foundation vents installed in compliance with this code are permitted.
6. Open metal carport structures may be constructed within zero (0) feet of the property line without fire-resistive or opening protection when the location of such is approved as required by other adopted codes.

- ~~(23) R303.3 Bathrooms [Amended]. Bathrooms, water closet compartments and other similar rooms shall be provided with aggregate glazing area in windows of not less than 3 square feet (0.3m²), one half of which must be openable. Separate window or artificial light and mechanical ventilation system provided through exception shall be required for enclosed/segregated toilet, bath or shower spaces.~~

~~Exception: The glazed areas shall not be required where artificial light and a local exhaust system are provided. The minimum local exhaust rates shall be determined in accordance with Section M1507. Exhaust air from the space shall be exhausted directly to the outdoors and may not terminate in an attic space.~~

- ~~(24) R304.1 Minimum area [Amended]. Every dwelling unit shall have at least one habitable room that shall have not less than 120 square feet (11 m²) of gross floor area.~~

- ~~(25) R304.1.1 Other rooms [Added]. Other habitable rooms shall have a floor area of not less than 70 square feet (6.5 m²).~~

~~Exception: Kitchens.~~

- ~~(20 26) R309.3 Flood hazard areas [Amended]. For buildings located in flood hazard areas as established by Table R301.2(1), garage floors shall be determined in accordance with Section 22-429.1 of the Code of the City of Norman.~~

- ~~(27) R311.7.5.3 Nosings [Amended]. Nosings shall have a curvature or bevel of not less than 1/16 inch (1.6 mm) but not more than 9/16 inch (14.3 mm) from the foremost projection of the tread. Nosings shall project not more than 1 1/4 inches (32 mm) beyond the tread below. The greatest nosing projection shall not exceed the smallest nosing projection by more than 3/4 inch (9.5 mm) between two stories, including the nosing at the level of floors and landings. Beveling of nosings shall not exceed 1/2 inch (12.7 mm).~~

~~(21 28)~~R322.1 General [Amended]. Buildings and structures constructed in whole or in part in flood hazard areas, as established in Table R301.2(1), and substantial improvement and restoration of substantial damage of buildings and structures in flood hazard areas, shall be designed and constructed in accordance with the provisions contained in this section and Section 22-429.1 of the Code of the City of Norman.

~~(22 29)~~R322.1.1 Alternative provisions [Deleted]. IRC Section R322.1.1 is hereby deleted in favor of the provisions of Section 22-429.1 of the Code of the City of Norman.

~~(23 30)~~R322.1.4 Establishing the design flood elevation [Amended]. The design flood elevation shall be determined as prescribed in Section 22-429.1 of the Code of the City of Norman.

~~(24 31)~~R322.1.4.1 Determination of design flood elevations [Deleted]. IRC Section R322.1.4.1 is hereby deleted in favor of the provisions of Section 22-429.1 of the Code of the City of Norman.

~~(25 32)~~R322.1.4.2 Determination of impacts [Deleted]. IRC Section R322.1.4.2 is hereby deleted in favor of the provisions of Section 22-429.1 of the Code of the City of Norman.

~~(26 33)~~R322.1.5 Lowest floor [Amended]. The lowest floor shall be the lowest floor of the lowest enclosed area, including *basement*, or as determined in Section 22-429.1 of the Code of the City of Norman.

~~(27 34)~~R322.1.6 Protection of mechanical, plumbing and electrical systems [Amended]. Electrical systems, *equipment* and components; heating, ventilating, air conditioning; plumbing *appliances* and plumbing fixtures; *duct systems*; and other service *equipment* shall be located at or above the elevation required in Section R322.2.

Exception: Locating electrical systems, *equipment* and components; heating, ventilating, air conditioning; plumbing *appliances* and plumbing fixtures; *duct systems*; and other service *equipment* is permitted below the elevation required in Section R322.2 with the issuance of a Flood Plain Permit by the City of Norman Flood Plain Permit Committee.

~~(28 35)~~R322.1.7 Protection of water supply and sanitary sewage systems [Deleted]. IRC Section R322.1.7 is hereby deleted in favor of the provisions of Section 22-429.1 of the Code of the City of Norman.

~~(29 36)~~R322.1.9 Manufactured homes [Deleted]. IRC Section R322.1.9 is hereby deleted in favor of the provisions of Section 22-429.1 of the Code of the City of Norman.

~~(30 37)~~R322.1.10 As-built elevation documentation [Deleted]. IRC Section R322.1.10 is hereby deleted in favor of the provisions of Section 22-429.1 of the Code of the City of Norman.

~~(31 38)~~R322.2 Flood hazard areas (including A Zones) [Amended]. Areas that have been determined to be prone to flooding shall be designated as flood hazard areas as shown on the City of Norman Special Flood Hazard Area Map. Buildings and structures constructed in whole or in part in flood hazard areas shall be designed and constructed in accordance with Sections R322.2.1 through R322.2.3, and Section 22-429.1 of the Code of the City of Norman.

~~(32 39)~~R322.2.1 Elevation requirements [Amended]. Buildings and structures in flood hazard areas shall have the lowest floors elevated as prescribed in Section 22-429.1 of the Code of the City of Norman.

~~(33 40)~~R322.2.2 Enclosed area below design flood elevation [Deleted]. IRC Section R322.2.2 is hereby deleted in favor of the provisions of Section 22-429.1 of the Code of the City of Norman.

~~(34 41)~~R322.2.2.1 Installation of openings [Deleted]. IRC Section R322.2.2.1 is hereby deleted in favor of the provisions of Section 22-429.1 of the Code of the City of Norman.

~~(35 42)~~R322.2.4 Tanks [Deleted]. IRC Section R322.2.4 is hereby deleted in favor of the provisions of Section 22-429.1 of the Code of the City of Norman.

~~(43)~~ Sections R322.3 through R322.3.7 [Deleted]. IRC Sections R322.3 through R322.3.7 are hereby deleted without substitution.

(36 44)SECTION ~~R327~~ R328 LANDSCAPE REQUIREMENTS [Added]

(37 45)~~R327.1~~ R328.1 Tree requirements [Added]. As of May 12, 2008, within all urban residential plats, when a building permit for a new residence is issued, the following shall apply:

1. At least one tree must be planted for each lot designated for single-family or two-family use before a Certificate of Occupancy for the building permit is issued. In no case will more than two trees be required per lot.
2. For lots larger than 10,000 square feet, two trees must be planted for the lot.
3. For corner lots, one tree must be planted per street frontage.
4. Trees should be planted adjacent to street frontage and shall not be planted in utility easements or the intersection sight triangle as defined in Section 4005.2 of the City of Norman Engineering Design Criteria and Drawing No. ST-36 of the City of Norman Standard Specifications and Construction Drawings.
5. Trees must be selected from the plant list in Section B of Appendix F of the Zoning Ordinance for the City of Norman and be at least 2" caliper (diameter measured 6" above ground level). Species identification tags shall remain on the tree(s) until the Certificate of Occupancy for the building permit is issued.
6. If planting conditions or weather would adversely affect the health of the tree(s), a paid receipt from the installer indicating the type of tree(s) purchased and projected planting date shall be provided to the City of Norman and a Certificate of Occupancy for the building permit can be issued.
7. Dead or diseased trees in poor condition should be replaced. Tree maintenance is the responsibility of the property owner. Or, when trees are located in the right-of-way, maintenance is the responsibility of the property owner which abuts the right-of-way or the Homeowners/Property Owners Association granted maintenance responsibility by the appropriate covenants which are filed of record in the office of the County Clerk of Cleveland County, Oklahoma.

(38 46)R403.1 General [Amended]. All exterior walls shall be supported on continuous solid or fully grouted masonry or concrete footings, crushed stone footings, wood foundations, or other *approved* structural systems which shall be of sufficient design to accommodate all loads according to Section R301 and to transmit the resulting loads to the soil within the limitations as determined from the character of the soil. Footings shall be supported on undisturbed natural soils or engineered fill. Concrete footing shall be designed and constructed in accordance with the provisions of Section R403 or in accordance with ACI 332. Concrete footings shall meet the follow requirements:

(A) Add 2 number four (4) rebar to all footings.

(B) All cold joints between footings and foundation walls (stem walls) shall be tied together by a number four (4) rebar at every corner not to exceed 6 feet (1828 mm) o.c. with embedment of 12 inches (304 mm) into each footing and wall.

Exception: Temporary buildings structures and unoccupied buildings structures not exceeding one story in height and 600 400 square feet (37.16 m²) in area shall be exempt from the requirements of this section. Occupied structures and Tiny Houses less than 400 square feet shall be exempt from the requirements of this section. In all cases structures should be secured to the earth or foundation/slab element in a minimum of 4 locations.

(39 47)R404.4 Retaining walls [Deleted]. IRC Section R404.4 is hereby deleted without substitution.

(40 48)R408.7 Flood resistance [Amended]. IRC Section R408.7 is hereby deleted in favor of the provisions of Section 22-429.1 of the Code of the City of Norman.

~~(49) M1502.4.1 Material and size [Amended]. Exhaust ducts shall have a smooth interior finish and be constructed of metal having a minimum thickness of 0.0157 inches (0.3950 mm) (No. 28 gage). The duct shall be 4 inches (102 mm) nominal in diameter.~~

~~Exception: Schedule 40 PVC pipe may be used if the installation complies with all of the following:~~

- ~~1. The duct shall be installed under a concrete slab poured on grade and arranged to drain to the building exterior.~~
- ~~2. The underfloor trench in which the duct is installed shall be completely backfilled with sand or gravel.~~
- ~~3. The PVC duct shall extend not greater than 1 inch above the indoor concrete floor surface.~~
- ~~4. The PVC duct shall extend not greater than 1 inch above grade outside of the building.~~
- ~~5. The PVC ducts shall be solvent cemented.~~

~~(41 50) G2404.7 (301.11) Flood hazard [Amended]. For structures located in flood hazard areas, the appliance, equipment and system installations regulated by this code shall be located at or above the elevation required by Section R322 for utilities and attendant equipment.~~

~~Exception: The appliance, equipment and system installations regulated by this code may be located below the elevation required in Section R322 with the issuance of a Flood Plain Permit by the City of Norman Flood Plain Permit Committee.~~

~~(51) G2408.2 (305.3) Elevation of ignition source [Amended]. Equipment and appliances having an ignition source shall be elevated such that the source of ignition is not less than 18 inches (457 mm) above the floor surface on which the equipment or appliance rest in hazardous locations and public garages, private garages, repair garages, motor fuel dispensing facilities and parking garages. For the purpose of this section, rooms or spaces that are not part of the living space of a dwelling unit and that communicate directly with a private garage through openings shall be considered to be part of the private garage.~~

~~Exception: Elevation of the ignition source is not required for appliances that are listed as flammable-vapor ignition resistant.~~

~~(42 52) P2503.4 Building sewer testing [Amended]. The building sewer shall be tested by insertion of a test plug at the point of connection with the building clean out, filling the building sewer with water and pressurizing the sewer to not less than 5 foot (1524 mm) head of water. The test pressure shall not decrease during a period of not less than 15 minutes. The building sewer shall be water tight at all points.~~

~~A forced sewer test shall consist of pressuring the piping to a pressure of not less than 5 psi (34.5 kPa) greater than the pump rating and maintaining such pressure for not less than 15 minutes. The forced sewer shall be water tight at all points.~~

~~(53) P2804.6.1 Requirements for discharge pipe [Amended]. The discharge piping serving a pressure-relief valve, temperature-relief valve or combination valve shall:~~

- ~~1. Not be directly connected to the drainage system.~~
- ~~2. Discharge through an air gap located in the same room as the water heater.~~
- ~~3. Not be smaller than the diameter of the outlet of the valve served and shall discharge full size to the air gap.~~
- ~~4. Serve a single relief device and shall not connect to piping serving any other relief device or equipment.~~
- ~~5. Discharge to an approved waste receptor or to the outdoors.~~

~~{The remainder of the items shall remain unchanged.}~~

(43 54)E3406.2 Conductor material [Amended]. Conductors normally used to carry current shall be of copper unless otherwise provided in Chapters 34 through 43. Where the conductor material is not specified, the material and the sizes given in these chapters shall apply to copper conductors. Where other materials are used, the size shall be changed accordingly. The use of aluminum conductors shall be prohibited except for exterior uses and for underground service feeder for manufactured homes. [110.5]

(44 55)E3601.6.2 Service disconnect location [Amended]. The service disconnecting means shall be installed at a readily accessible location either outside of a building or structure or inside nearest the point of entrance of the service conductors. Service disconnecting means shall not be installed in bathrooms. Each occupant shall have access to the disconnect serving the dwelling unit in which they reside. The distance from the point of entrance of a building or structure to the service disconnecting equipment enclosure shall not exceed 24 inches measured horizontally or 60 inches measured vertically. [230.70(A)(1), 230.72(C)]

~~(56) E3702.3 Fifteen and 20 ampere branch circuits [Amended]. A 15 or 20 ampere branch circuit shall be permitted to supply lighting units, or other utilization equipment, or a combination of both. The rating of any one cord and plug connected utilization equipment not fastened in place shall not exceed 80 percent of the branch circuit ampere rating. The total rating of utilization equipment fastened in place, other than luminaires, shall not exceed 50 percent of the branch circuit ampere rating where lighting units, cord and plug connected utilization equipment not fastened in place, or both, are also supplied. 20 ampere general purpose branch circuits shall supply a maximum of 10 outlets. 15 ampere general purpose branch circuits shall supply a maximum of 8 outlets. Kitchen receptacle outlets installed in accordance with E3901.3.2 and E3901.4 shall not exceed 5. [210.23(A)(1), (2) and (3)]~~

(45 57)E3907.10 Mounting height [Added]. Enclosures for switches or overcurrent devices shall be installed so the bottom of the enclosure is not less than 600 mm (2 feet) above finish grade or working platform unless specifically listed or approved for an alternate mounting height. [312.5]

(46 58)E4206.5.1 Servicing [Amended]. All wet-niche luminaires shall be removable from the water for inspection, relamping, or other maintenance; unless otherwise approved, the maximum distance from the deck surface to the bottom of the luminaire face shall not exceed 24 inches (610 mm). The forming shell location and length of cord in the forming shell shall permit personnel to place the removed luminaire on the deck or other dry location for such maintenance. The luminaire maintenance location shall be accessible without entering or going into the pool water. [680.23(B)(6)]

(47 59)CHAPTER 44 REFERENCED STANDARDS [Amended]. IRC Chapter 44 is hereby amended to include the following additions:

FEMA

[Added] "FEMA P320-14 Taking Shelter from the Storm: Building a Safe Room for Your Home or Small Business R323.1, R323.2, R323."

[Added] "FEMA P361-14 Safe Rooms for Tornadoes and Hurricanes: Guidance for Community and Residential Safe Rooms R323.1, R323.2, R323."

~~(60) CHAPTER 44 REFERENCED STANDARDS [Amended]. IRC Chapter 44 is hereby amended to include the following substitution:~~

~~{Substitute} "IECC 15" with "IECC 09"~~

~~{Substitute} "NFPA 13-13" with "NFPA 13-16"~~

~~{Substitute} "NFPA 13D-13" with "NFPA 13D-16"~~

~~{Substitute} "NFPA 13R-13" with "NFPA 13R-16"~~

[Substitute] "NFPA 72-13" with "NFPA 72-16"

(61) APPENDIX Q TINY HOUSES [Added]. IRC Appendix Q is hereby added to read as follows:

SECTION AQ101 GENERAL [Added]

AQ101.1 Scope [Added]. This appendix shall be applicable to *tiny houses* used as single *dwelling units*. *Tiny houses* shall comply with this code except as otherwise stated in this appendix.

SECTION AQ102 DEFINITIONS [Added]

AQ102.1 General [Added]. The following words and terms shall, for the purposes of this appendix, have the meanings shown herein. Refer to Chapter 2 of this code for general definitions.

EGRESS ROOF ACCESS WINDOW. A *skylight* or roof window designed and installed to satisfy the emergency escape and rescue opening requirements of Section R310.2.

LANDING PLATFORM. A landing provided as the top step of a stairway accessing a loft.

LOFT. A floor level located more than 30 inches (762 mm) above the main floor, open to the main floor on one or more sides with a ceiling height of less than 6 feet 8 inches (2032 mm) and used as a living or sleeping space.

TINY HOUSE. A *dwelling* that is 400 square feet (37 m²) or less in floor area excluding *lofts*.

SECTION AQ103 CEILING HEIGHT [Added]

AQ103.1 Minimum ceiling height [Added]. *Habitable space* and hallways in tiny houses shall have a ceiling height of not less than 6 feet 8 inches (2032 mm). Bathrooms, toilet rooms and kitchens shall have a ceiling height of not less than 6 feet 4 inches (1930 mm). Obstructions including, but not limited to, beams, girders, ducts and lighting, shall not extend below these minimum ceiling heights.

Exception: Ceiling heights in *lofts* are permitted to be less than 6 feet 8 inches (2032 mm).

SECTION AQ104 LOFTS [Added]

AQ104.1 Minimum loft area and dimensions [Added]. *Lofts* used as a sleeping or living space shall meet the minimum area and dimension requirements of Sections AQ104.1.1 through AQ104.1.3.

AQ104.1.1 Minimum area [Added]. *Lofts* shall have a floor area of not less than 35 square feet (3.25 m²).

AQ104.1.2 Minimum dimensions [Added]. *Lofts* shall be not less than 5 feet (1524 mm) in any horizontal dimension.

AQ104.1.3 Height effect on loft area [Added]. Portions of a loft with a sloped ceiling measuring less than 3 feet (914 mm) from the finished floor to the finished ceiling shall not be considered as contributing to the minimum required area for the *loft*.

Exception: Under gable roofs with a minimum slope of 6 units vertical in 12 units horizontal (50 percent slope), portions of a *loft* with a sloped ceiling measuring less than 16 inches (406 mm) from the finished floor to the finished ceiling shall not be considered as contributing to the minimum required area for the *loft*.

AQ104.2 Loft access [Added]. The access to and primary egress from *lofts* shall be of any type described in Sections AQ104.2.1 through AQ104.2.4.

AQ104.2.1 Stairways [Added]. Stairways accessing *lofts* shall comply with this code or with Sections AQ104.2.1.1 through AQ104.2.1.5.

AQ104.2.1.1 Width [Added]. Stairways accessing a *loft* shall not be less than 17 inches (432 mm) in clear width at or above the handrail. The width below the handrail shall be not less than 20 inches (508 mm).

AQ104.2.1.2 Headroom [Added]. The headroom in stairways accessing a *loft* shall be not less than 6 feet 2 inches (1880 mm), as measured vertically, from a sloped line connecting the tread or *landing platform* nosings in the middle of their width.

AQ104.2.1.3 Treads and risers [Added]. Risers for stairs accessing a *loft* shall be not less than 7 inches (178 mm) and not more than 12 inches (305 mm) in height. Tread depth and riser height shall be calculated in accordance with one of the following formulas:

1. The tread depth shall be 20 inches (508 mm) minus four thirds of the riser height.
2. The riser height shall be 15 inches (381 mm) minus three fourths of the tread depth.

AQ104.2.1.4 Landing platforms [Added]. The top tread and riser of stairways accessing *lofts* shall be constructed as a *landing platform* where the *loft* ceiling height is less than 6 feet 2 inches (1880 mm) where the stairway meets the *loft*. The *landing platform* shall be 18 inches to 22 inches (457 to 559 mm) in depth measured from the nosing of the *landing platform* to the edge of the *loft*, and 16 to 18 inches (406 to 457 mm) in height measured from the *landing platform* to the *loft* floor.

AQ104.2.1.5 Handrails [Added]. Handrails shall comply with Section R311.7.8.

AQ104.2.1.6 Stairway guards [Added]. Guards at open sides of stairways shall comply with Section R312.1.

AQ104.2.2 Ladders [Added]. Ladders accessing *lofts* shall comply with Sections AQ104.2.1 and AQ104.2.2.

AQ104.2.2.1 Size and capacity [Added]. Ladders accessing *lofts* shall have a rung width of not less than 12 inches (305 mm), and 10-inch (254 mm) to 14-inch (356 mm) spacing between rungs. Ladders shall be capable of supporting a 200-pound (75 kg) load on any rung. Rung spacing shall be uniform within $\frac{3}{4}$ inch (9.5 mm).

AQ104.2.2.2 Incline [Added]. Ladders shall be installed at 70 to 80 degrees from horizontal.

AQ104.2.3 Alternating tread devices [Added]. Alternating tread devices accessing *lofts* shall comply with Sections R311.7.11.1 and R311.7.11.2. The clear width at and below the handrails shall be not less than 20 inches (508 mm).

AQ104.2.4 Ships ladders [Added]. Ships ladders accessing *lofts* shall comply with Sections R311.7.12.1 and R311.7.12.2. The clear width at and below handrails shall be not less than 20 inches (508 mm).

AQ104.2.5 Loft Guards [Added]. *Loft* guards shall be located along the open side of *lofts*. *Loft* guards shall be not less than 36 inches (914 mm) in height or one-half of the clear height to the ceiling, whichever is less.

SECTION AQ105 EMERGENCY ESCAPE AND RESCUE OPENINGS [Added]

AQ105.1 General [Added]. Tiny houses shall meet the requirements of Section R310 for emergency escape and rescue openings.

Exception: Egress roof access windows in *lofts* used as sleeping rooms shall be deemed to meet the requirements of Section R310 where installed such that the bottom of the opening is not more than 44 inches (1118 mm) above the *loft* floor, provided the *egress roof access window* complies with the minimum opening area requirements of Section R310.2.1.

~~{Ord. No. 0-1718-16, § 2; Ord. No. 0-1718-42, § 1}~~

Secs. 5-209, 5-300. Reserved.

§ 3. That Article IV ("Structures") of Chapter 5 of the Code of the City of Norman, and its various Sections 5-401 through 5-406 shall be amended as follows:

ARTICLE IV. STRUCTURES

Sec. 5-401. Definitions.

The following words and phrases when used in this article shall, for the purpose of this article, have the meaning respectively ascribed to them in this section except where the context otherwise requires:

- (1) *Carport*: Any structure having a roof and roof supports, but no sidewalls, and is intended for use solely as a shelter for motor vehicles.
- ~~(2) *Fallout shelter*: Any structure designed to protect the occupants from the effects of residual radiation resulting from a nuclear detonation.~~
- ~~(3) *Tornado shelter*: Any underground structure designed to protect the occupants from the effects of wind and debris resulting from a tornado.~~

Sec. 5-402. Plans and specifications.

No person shall construct any structure regulated by this article without having first submitted the plans and specifications to the Department of Planning and Community Development and obtaining that department's approval.

Sec. 5-403. Carports: Construction.

- (a) Carports shall be designed and built so as not to create a fire or other hazard to person or property in the vicinity thereof and shall conform as nearly as possible and be in harmony with the existing structures in the surrounding neighborhood.
- (b) No metal shall be utilized as the roof of any carport except that specifically designed for such purpose.
- (c) The sides of a carport shall never be covered or enclosed by any materials whatsoever, nor shall the sides of such carport be constructed closer than five (5) feet to any fence, growth of vines, flowers, or other vegetable matter.
- (d) The supports of a carport may be constructed of wrought iron or aluminum, steel or aluminum pipe or tubing, and brick. If the supports consist of wrought iron or aluminum, they shall not exceed a dimension of more than one (1) inch in thickness nor more than twelve (12) inches in width; if made of steel or aluminum tubing or pipe, they shall not be more than four (4) inches in diameter; and if made of brick, they shall not be more than twelve (12) inches in any dimension.
- (e) The side supports of any carport situated in any front yard must be no closer together than ten (10) feet.

Sec. 5-405. ~~Fallout and tornado shelters: Construction.~~

- (a) ~~All fallout shelters shall have a protection factor which is obtained by not less than twelve (12) inches of solid concrete or not less than eighteen (18) inches of compact earth, or any equivalent combination thereof. All fallout shelters shall contain a minimum of fifty (50) square feet of floor areas with an inside height of not less than six (6) feet, three (3) inches.~~
- (b) ~~No preshaped shelter, such as metal, plastic, wood, plexiglass, etc., shall be approved unless the design is sufficient to prevent flotation when the shelter is empty. Flotation force is considered to be one hundred (100) percent. Weight of earthen fill will not be considered in reducing this flotation factor.~~
- (c) ~~All in-ground shelters constructed in front yards shall be set back at least ten (10) feet from the front property line and at least five (5) feet from the side property line. The in-ground shelter is allowed one (1) air intake pipe and hood, and one (1) exhaust pipe and hood, and an entranceway, provided with a metal or metal-clad door, all of which may extend up to four (4) feet above established grade.~~
- (d) ~~All underground shelters constructed in front yards shall be provided with a locking device.~~
- (e) ~~No underground shelter constructed in front yards shall be used for any type of occupancy other than as an underground fallout and tornado shelter.~~
- (f) ~~All underground fallout shelters shall be provided with a baffle wall affording at least one (1) right angle turn into the living area.~~
- (g) ~~All underground fallout shelters shall be constructed of sufficient mass for their designed category rating.~~
- (h) ~~All underground fallout shelters shall be equipped with a ventilation system producing not less than five (5) cubic feet of fresh air per minute, per person.~~
- (i) ~~All concrete used in shelter construction of underground fallout and tornado shelters shall have a compressive strength of not less than three thousand five hundred (3,500) pounds per square inch.~~
- (j) ~~All shelters shall be adequately waterproofed to prevent seepage.~~
- (Ord. No. 0-8081-17; Ord. No. 0-1314-14, § 3)

Sec. 5-406. ~~Fallout and tornado shelters: Zoning.~~

~~No person shall construct any shelters other than also complying with the provisions of Chapter 22 of this Code.~~

§ 4. Severability. If any section, subsection, sentence, clause, phrase, or portion of this ordinance is, for any reason, held invalid or unconstitutional by any court of competent jurisdiction, such portion shall be deemed a separate, distinct, and independent provision, and such holding shall not affect the validity of the remaining portions of this ordinance.

ADOPTED this _____ day of _____,
_____, 2022.

NOT ADOPTED this _____ day of _____,
_____, 2022.

(Mayor)

(Mayor)

ATTEST:

(City Clerk)