

**CITY OF MOORE
ORDINANCE NO. 1039.23**

AN ORDINANCE AMENDING PART 5, CHAPTER 2, ARTICLE A, SECTIONS 5-201, 5-202, 5-204, 5-206, 5-207 AND 5-210; AND ARTICLE D, SECTIONS 5-251 THROUGH 5-253; ADOPTING THE 2018 INTERNATIONAL BUILDING CODE AND THE 2018 INTERNATIONAL RESIDENTIAL CODE AS AMENDED AND MODIFIED BY THE OKLAHOMA UNIFORM BUILDING CODE COMMISSION AND ADOPTING LOCAL AMENDMENTS TO SAID CODE; ESTABLISHING MINIMUM REGULATIONS GOVERNING THE DESIGN, INSTALLATION AND CONSTRUCTION OF BUILDINGS AND ONE-TO-TWO FAMILY DWELLINGS WITHIN MOORE, OKLAHOMA; PROVIDING FOR SEVERABILITY; PROVIDING FOR REPEALER.

BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF MOORE, OKLAHOMA THAT PART 5, CHAPTER 2, ARTICLE A, SECTIONS 5-201, 5-202, 5-204, 5-206, 5-207 AND 5-210; AND ARTICLE D, SECTIONS 5-251 THROUGH 5-253 ARE HEREBY AMENDED TO READ AS FOLLOWS:

CHAPTER 5-2 BUILDING CODE AND REGULATIONS

ARTICLE 5-2A BUILDING AND RESIDENTIAL CODE

ARTICLE 5-2B MOVING AND RELOCATING BUILDINGS

ARTICLE 5-2C SIGN CONTRACTORS

ARTICLE 5-2D ONE-TO-TWO FAMILY AWNINGS, CARPORTS AND PATIO COVERS

ARTICLE 5-2E FENCES

ARTICLE 5-2F SWIMMING POOLS

ARTICLE 5-2A BUILDING AND RESIDENTIAL CODE

Sec 5-201 Adoption Of The International Building Code

Sec 5-202 Amendments Of The International Building Code

Sec 5-203 Provisions Declared To Be Minimum Requirements

Sec 5-204 Adoption Of The ~~2015~~ International Residential Code, ~~As Amended And Modified By The State Uniform Building Code Commission Pursuant To 59-OS Section 1000.23~~

Sec 5-205 Smoke Detectors Required In Apartment Dwellings

Sec 5-206 Adoption Of Standard Specifications For The Construction Of Water And Sewer

Sec 5-207 Adoption Of Paving, Sidewalk, And Driveway Specifications

Sec 5-208 Enforcement

Sec 5-209 Liquefied Petroleum Gas Code Adopted, Penalty

~~Sec 5-210 Private Water Wells Prohibited~~

Sec 5-211 House, Building Numbering System

Sec 5-212 Building Standards For Construction Of Residential Dwellings Within Tornado Damage Area

Sec 5-201 Adoption of the International Building Code

There is hereby adopted that certain code known as the International Building Code ~~2015~~ 2018 edition, as amended and modified by the ~~state~~ Oklahoma uniform building code commission

pursuant to 59 O.S. § 1000.23, as the building code of the city for the control of buildings and structures as herein provided, referred to herein as the "IBC" or "building code." Each and all of the regulations, provisions, penalties, conditions and terms of the building code are hereby referred to, adopted and made a part hereof as if fully set out in this Code, with the additions, insertions, deletions and changes, if any, prescribed herein. Not less than one copy of this code is on file in the office of the clerk.

State Law reference— Adoption by reference, 11 O.S. § 14-107.

Sec 5-202 Amendments of the International Building Code

(a) ~~A.~~ The following additions, amendments or deletions are made to the building code adopted herein:

- (1) Section 101.1. Insert: [The City of Moore, Oklahoma.]
- (2) Section 101.2.1 Insert: [The provisions in Appendix C, H, I, and J are hereby adopted and considered a part of this Code.]
- (3) Section 101.4 Amend to read: [The other codes listed in Sections 101.4.1 through 101.4.8 and referenced elsewhere in this code, when specifically adopted, shall be considered part of the requirements of this code to the prescribed extent of each such reference. Whenever amendments have been adopted to the referenced codes and standards, each reference to said code and standard shall be considered to reference the amendments as well. Any reference to NFPA 70 or the Electrical Code shall mean the National Electrical Code as adopted.]
- (4) Section 101.4.3 Amend to read: [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. The provisions of the International Private Sewage Disposal systems shall conform to the regulations set forth in Title 252, Chapter 641 of the Oklahoma Administrative Code.]
- (5) Section 101.4.8 Insert: [101.4.8 Electrical. The provisions of the National Electrical Code – NFPA 70 shall apply to the installation of electrical systems, including alterations, repairs, replacement, equipment, appliances, fixtures, fittings and appurtenances thereto.]
- (6) Section 103.1 Delete: Department of Building Safety; Replace and Insert: [City of Moore’s Community Development Department.]
- (7) Section 104.10.1; delete section
- (8) Section 105.2; Number 1 Amend to read: [1. One-story detached accessory structures used as playhouses and similar uses, provided the building has no electric, plumbing

mechanical or gas connections.]

(9) Section 105.2; Number 4 Amend to read: [Retaining Wall]

(10) Section 105.2; Delete: Number 2, 3, and 6

~~Section 107.3.4.1. Insert at the end of section: Exception: Plans for additions of less than 500 square feet to existing commercial structures or for any commercial remodel where the structural design of the building is not changed shall not be required to be prepared by a registered professional architect or engineer licensed by the state.~~

~~Section 109.2. Refer: Those certain fees adopted by the city on September 7, 1997, and as they may be amended from time by motion or resolution of the city council.~~

(11) Section 109.7 Insert: [109.7 Re-inspection Fee. A fee as established by city council resolution may be charged when:

- a. 1. The inspection called for is not ready when the inspector arrives;
- b. 2. No building address or permit card is clearly posted;
- c. 3. City approved plans are not on the job site available to the inspector;
- d. 4. The building is locked or work otherwise not available for inspection when called;
- e. 5. The job site is red-tagged twice for the same item;
- f. 6. The original red tag has been removed from the job site.
- g. 7. Failure to maintain erosion control, trash control or tree protection.
- h. 8. A second inspection is requested or required due to the lack of proper installation, construction or materials.

Any re-inspection fees assessed shall be paid before any more inspections are made on that job site.]

(12) Section 110.3.5 delete and amend to read: [110.3.5 Insulation inspection. Insulation inspections shall be made after framing, mechanical, electrical, fuel/gas and plumbing rough-in inspections are approved and before the installation of any wall coverings.]

(13) Section 111.1 remove the word “and” in the first sentence and replace it with the word: [or].

(14) Section 111.5 Amend: [111.5 Warrant of Completion. A warrant of completion shall be issued by the building official for a building or structure shell only when a finish-out or remodel is pending. Issuance of a warrant of completion does not constitute a Certificate of Occupancy. Issuance of a warrant shall not be construed as an approval of a violation of the provisions of this code or of other ordinances of the jurisdiction.]

~~Section 113.1. Delete: "Board of Appeals." Insert: at end of second sentence: The appeals procedure shall be as specified in article B, sections 12-123 et seq., of the city's zoning ordinance.~~

(15) Section 113.1, 113.2 and 113.3 Delete sections and Insert: [Section 113 Board of Appeals. The appeals procedure shall be specified in Article 5-1D of the Municipal Code.]

(16) Section 114.4. Delete entire section and insert: Penalties shall be set forth in section 1-108 of the City Code.

(17) Section 202, add and amend "Flex Space" and "Repair Garage":

a. [FLEX SPACE. A room or space that can fulfill multiple purposes and does not define the actual use of a room or space. A flexible area that varies in both shape and function. Flex space or the use of other terms such as bonus room/area, additional space, or any other terminology that does not define the exact use shall be constructed to the most restrictive zoning use allowed by the adopted Land Development Code for the City of Moore. Bathrooms, kitchens, or any other plumbing fixture, piping or any accessible plumbing system is not allowed within this room/space, except fire sprinkler protection system only.]

b. [REPAIR GARAGE. A building, structure or portion thereof used for servicing or repairing motor vehicles. This occupancy shall also include garages involved in minor repair, modification, and servicing of motor vehicles for items such as lube changes, inspections, windshield repair or replacement, shocks, minor part replacement and other such minor repairs.]

(18) Section 303.1.3 Insert at the end of the section: [except when applying the assembly requirements of Chapters 10 and 11.]

(19) Section 403.3.2, Delete text: "420"; Replace and Insert: [120 feet].

(20) Section 506.2 Delete Section

(21) Section 602.1.1 Amend a paragraph at the end to read: [Where a building contains more than one distinct type of construction, the building shall comply with the most

restrictive area, height, and stories, for the lesser type of construction or be separated by fire walls.]

(22) Section 703.7 Amend item 1 and 3 to read:

1. [Be located continuously and withing 15 feet (4,572 mm) of the end of each wall and at intervals not exceeding 30 feet (9,144 mm) measured horizontally along the wall or partition.]
3. [Lettering shall be a minimum of 36" from the bottom of the wall and 36" from the top or peak of the wall.]

(23) Section 706.12 Amend to read: [706.12 Marking and identification. A two story or larger building shall have a four foot long and a four-inch-wide reflective strip shall permanently adhere or anchor to the exterior wall facing the fire apparatus lane, public street, private street and parking aisle to identify the location of a fire wall. The placement must begin with a minimum of two feet under the eave or top of the parapet wall and a maximum of eight feet under the eave or top of the parapet.]

(24) Section 708.4.2 Insert sentence in the middle of section of exception number 1 to read: [Portions of buildings containing concealed spaces filled with noncombustible insulation as permitted for sprinkler omission shall not apply to this exception for draftstopping.]

(25) Section 718.3 Insert a sentence at the end of the exceptions to read: [and provided that in combustible construction, sprinkler protection is provided in the floor space.]

(26) Section 718.4 Insert a sentence at the end of the exception: [and provided that in combustible construction, sprinkler protection is provided in the attic space.]

(27) Section 903.1.1 Delete: "instead of"; replace and insert: [in addition to] and delete: "and"; replace and insert: [or as].

(28) Section 903.2.9 Amend an additional condition to read: [6. A Group S-1 fire area used for the self-service storage facility exceeds 2,500 square feet (232 m²).]

(29) Section 903.3.1.2.3 Delete first sentence and replace to read: [Sprinkler protection is required in attached garages and in the following attic spaces:]

(30) Section 903.3.1.2.3 Delete item number 3 and replace to read: [Attic spaces of buildings that are two or more stories in height above grade plane or above the lowest level of fire department vehicle access.] and in item number 4 add the following within the middle of the sentence: [or 3].

(31) Section 903.3.1.4 Amend the following to read: [903.3.1.4 Freeze protection. Freeze protection systems for automatic fire sprinkler systems shall be in accordance with

the requirements of the applicable referenced NFPA standard and this section.]

- (32) Section 903.3.1.4.1 Amend the following to read: [903.3.1.4.1 Attics. Only dry-pipe reaction, or listed antifreeze automatic fire sprinkler systems shall be allowed to protect attic spaces.

Exception: Wet-pipe fire sprinkler systems shall be allowed to protect non-ventilated attic spaces where:

1. The attic sprinklers are supplied by a separate floor control valve assembly to allow ease of draining the attic system without impairing sprinklers throughout the rest of the building, and
2. Adequate heat shall be provided for freeze protection as per the applicable referenced NFPA standard, and
3. The attic space is a part of the building's thermal, or heat, envelope, such that insulation is provided at the roof deck, rather than at the ceiling level.]

- (33) Section 903.3.1.4.2 Amend the following to read: [903.3.1.4.2 Heat trace/insulation. Heat trace/insulation shall only be allowed where approved by the fire code official for small sections that don't exceed five feet of large diameter water-filled pipe.]

- (34) Section 903.4.2 Amend a second paragraph to read: [The alarm device required on the exterior of the building shall be a weatherproof horn/strobe notification appliance with a minimum 75 effective intensity strobe rating, installed as close as practicable to the fire department connection.]

- (35) Section 905.4, change items 1, 2, 3 and 5; and amend item 7: Item 1 – Delete: “interior”; Item 2 – Delete all of the exception; Item 3 – Delete all of the exception; Item 5 – Insert: [each standpipe shall be provided with a two-way] and delete: “shall be” and “interior”; Item 7 – Amend the following to read: [When required by this Chapter, standpipe connections shall be placed adjacent to all required exits to the structure and at two hundred feet (200') intervals along major corridors thereafter, or as otherwise approved by the fire code official.]

- (36) Section 907.4.2.7 amend to read as follows: [907.4.2.7 Type. Manual alarm initiating devices shall be an approved double action type.]

- (37) Section 910.2.3 amend to read as follows: [910.2.3 Group H. Buildings and portions thereof used as a Group H occupancy as follows:

1. In occupancies classified as Group H-2 or H-3, any of which are more than 15,000 square feet (1394 m²) in single floor area.

Exception: Buildings of noncombustible construction containing only

noncombustible materials.

2. In areas of buildings in Group H used for storing Class 2, 3, and 4 liquid and solid oxidizers, Class 1 and unclassified detonable organic peroxides, Class 3 and 4 unstable (reactive) materials, or Class 2 or 3 water-reactive materials as required for a high-hazard commodity classification.

Exception: Buildings of noncombustible construction containing only noncombustible materials.]

- (38) Section 913.2.1.1 amend to read as follows: [913.2.1.1 Fire Pump Room Access. When located on the ground level at an exterior wall, the fire pump room shall be provided with an exterior fire department access door that is not less than 3 ft. in width and 6 ft. – 8 in. in height, regardless of any interior doors that are provided. A knox box shall be provided at this door, as required by IFC Section 506.1.

Exception: When it is necessary to locate the fire pump room on other levels or not at an exterior wall, the corridor leading to the fire pump room access from the exterior of the building shall be provided with equivalent fire resistance as that required for the pump room, or as approved by the fire code official. Access keys shall be provided in the knox box as required by IFC Section 506.1.]

- (39) Section 1102.1 amend at the end of the paragraph: [-2017].

~~Section 1106.8. Insert: Accessible parking spaces shall have a painted square blue field and either a yellow or white international symbol of access in the field and shall include a sign mounted within the specifications labeled in the ADA Handbook 2010.~~

- (40) Table 2902.1 Insert footnote g to read as follows: [g. Drinking fountains are not required in M Occupancies with an occupant load of 75 or less, B Occupancies with an occupant load of 25 or less, and for dining and/or drinking establishments when water is provided at no charge.]

(b) ~~B~~. Building foundation regulations. In addition to the rules, regulations, and standards set forth in the International Building Code, as adopted herein, the following additional requirements are adopted and made a part of the building code of the city:

- (1) ~~1~~. General. Stress analysis for any structural element considered by the building official to be unsafe shall be submitted for approval.
- (2) ~~2~~. Commercial foundations. The design of foundations for construction other than residential shall be prepared and certified by a professional engineer registered in the state and approved by the city.

(3) ~~3-~~ *Concrete slab floors.* All concrete slab floors shall meet the following minimum standards:

- ~~a.~~ All concrete slabs on grade shall be nominal four inches thick on a four-inch sand base.
- a. ~~b.~~ All concrete shall be minimum 2,500 psi compressive strength.
- ~~e.~~ It is recommended that all concrete slabs shall be reinforced with 66/.1010 wire mesh.
- ~~d.~~ All slabs on grade shall be either waterproof concrete or shall have 0.006 inch vapor barrier under slab.
- b. ~~e.~~ All concrete floors shall be a minimum of eight inches above finished grade.

Sec 5-204 Adoption Of The 2015 International Residential Code, As Amended And Modified By The State Uniform Building Code Commission Pursuant To 59 OS Section 1000.23

(a) ~~A.~~ *Adoption.* There is hereby adopted that certain code known as the International Residential Code ~~2015~~2018, as amended and modified by the state Oklahoma uniform building code commission pursuant to 59 O.S. § 1000.23, as the one- and two-family dwelling code of the city for the control of buildings and structures as herein provided, referred to herein as the "IRC" or "residential building code." Each and all of the regulations, provisions, penalties, conditions and terms of the residential building code are hereby referred to, adopted and made a part hereof as if fully set out in this Code, with the additions, insertions, deletions and changes, if any, prescribed herein. Not less than one copy of this code is on file in the office of the clerk.

(b) ~~B.~~ *Amendments.* The following sections of the ~~dwelling code~~ International Residential Code are hereby revised as follows:

(1) Section R101.1. Insert: [The City of Moore, Oklahoma].

(2) Section R102.4 Amend to read: [Section R102.4 Referenced codes and standards. The codes, when specifically adopted, and standards referenced in this code shall be considered part of the requirements of this code to the prescribed extent of each such reference and as further regulated in Sections R102.4.1 and R102.4.2. Whenever amendments have been adopted to the referenced codes and standards, each reference to said code and standard shall be considered to reference the amendments as well. The one-to-two family dwellings shall reference and comply with the adopted Electric Code by the City of Moore. Any reference made to NFPA 70 or the Electrical Code shall mean the 2020 National Electrical Code as adopted.]

- (3) Section R102.5 Amend to read: [102.5 Appendices. The provisions in Appendix C and H of the *International Residential Code* and Appendix V (State Statute 748:20-6-51) of the *Oklahoma Adopted International Residential Code* are hereby adopted and considered a part of this Code.]
- (4) Section R103.1 Delete: “Department of Building Safety”; Replace and Insert: [City of Moore’s Community Development Department.]
- (5) Section R104.10.1; Delete this section and refer to Part 12, Chapter 8
- (6) Section R105.2; Building Number 1 Amend to read: [One story detached accessory structures used as playhouses and similar uses, provided that the building has no electric, plumbing, mechanical or fuel/gas connections.]
- (7) Section R105.2; Building Number 3 Amend to read: [Retaining Wall.]
- (8) Section R105.2; Delete: Building, Number 2 and 5
- (9) Section R105.2; Plumbing, Number 3; amend to read: [A repair for stopping a leak in water and/or sanitary sewer service lines where the repair is a minimum of 5 feet away from a tap or meter and the repair is no longer than 5 feet of piping material.]
- (10) Section R105.3.1.1 Delete this section, refer to Part 12, Chapter 8
- (11) Section R106.1.4 Delete this section, refer to Part 12, Chapter 8
- (12) Section R109.1.5.2 amend to read: [R109.1.5.2 Insulation inspection. Insulation inspections shall be made after framing, mechanical, electrical, fuel/gas and plumbing rough-in inspections are approved and before the installation of wallboard materials. Wallboard materials include, but are not limited to lathe, plaster, gypsum wallboard, wood paneling, sheet metal and the like.]
- (13) Section R109.1.6.1 amend to read: [R109.1.6.1 Elevation documentation. If located in a flood hazard area, the documentation of elevations required in Chapter 8 of the Land Development Code shall be submitted to the Floodplain Administrator prior to foundation/footer inspection and final inspection.]
- (14) Section R109.5. Prefabricated Construction. Insert: [Modular construction, manufactured housing and any other prefabricated construction is not permitted in any zoning district within the city limits, unless approved by the board of adjustment as provided in section 12-125 of the City Code].
- (15) Section R112 . delete section and amend to read: [Section R112 Board of Appeals. The appeals procedure shall be specified in Article 5-1D of the Municipal Code.]
- (16) Section R202 Amend “Flex Space” and “Repair Garage”:

- a. [FLEX SPACE. A room or space that can fulfill multiple purposes and does not define the actual use of a room or space. A flexible area that varies in both shape and function. Flex space and also be use in other terms such as bonus room/area, additional space, or any other terminology that does not define the exact use. If a term is used as flex space or a similar description, the room or space shall be identified as a bedroom or otherwise determined by the building official.]
- b. [KITCHEN. Kitchen shall mean an area used, or designated space to be used as a place of preparing of food. The placement or presentence of one or more appliance(s) such as a range, cooktop, garbage disposal, trash compactor, dishwasher or kitchen hood system, shall be considered as a preparation food space.]
- c. [TOWNHOUSE. A single-family dwelling unit constructed in a group of three or more attached units separating each single family dwelling by property lines in which each unit extends from foundation to roof and with a yard or public way on at least two sides.]

(17) Table R301.2(1); Amend table as follows:

<u>GROUND</u>	<u>WIND DESIGN</u>				<u>SEISMIC</u>	<u>SUBJECT TO</u>			<u>WINTER DESIGN</u>	<u>ICE BARRIER UNDER-LAYMENT</u> ^h	<u>FLOOD</u>	<u>HAZARDS</u> ^g	<u>AIR FREEZING INDEX</u> ⁱ	<u>MEAN ANNUAL</u>
	<u>SNOW</u>	<u>LOAD</u> ^o	<u>SPEED</u> ^d	<u>Topographic</u>	<u>Special Wind Region</u> ^l	<u>Windborne Debris</u>	<u>Zone</u> ^m	<u>CATEGORY</u> ^f						

<u>10 lb/ft</u>	(MPH)				<u>C</u>	<u>Line Depth^b</u>						
	<u>135</u>	<u>No</u>	<u>No</u>	<u>No</u>		<u>Moderate</u>	<u>18"</u>	<u>Moderate to heavy</u>	<u>13° F</u>	<u>Yes</u>	<u>Land Development Code</u>	<u>300</u>

MANUAL J DESIGN CRITERIA^a

<u>Elevation</u>	<u>Latitude</u>	<u>Winter Heating</u>	<u>Summer Cooling</u>	<u>Altitude Correction Factor</u>	<u>Indoor Design Temperature</u>	<u>Design Temperature Cooling</u>	<u>Heating Temperature Difference</u>
<u>451 ft - 3,266 ft</u>	<u>33.909N - 36.605N</u>	<u>11.8° - 25° F</u>	<u>95° - 101.8° F</u>	<u>0.99 - 0.78</u>	<u>68° - 70°F</u>	<u>72° - 75°F</u>	<u>58.2° - 45°F</u>
<u>Cooling Temperature Difference</u>	<u>Wind Velocity Heating</u>	<u>Wind Velocity Cooling</u>	<u>Coincident Wet Bulb</u>	<u>Daily Range</u>	<u>Winter Humidity</u>	<u>Summer Humidity</u>	<u>Left Blank</u>
<u>23° - 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>Left Blank</u>

(18) Section R309.4.1 Amend to read: [R309.4.1 Garage door. Must be rated for a 135 mph wind rated door and installed in accordance to manufacturer’s instructions.]

(19) Section R314.3, add verbiage to existing text in number 3: [flex space, bonus room, any terminology that does not define the exact use” in the first sentence.]

(20) Section R314.4, remove verbiage in the last sentence from existing text: “not” and “where listed wireless alarms are installed and all alarms sound upon activation of one alarm”.

(21) Section R322.1, delete section and amend to read: [R322.1 General. Buildings, Structures appliances, equipment, systems and property boundaries where construction occurs in part in flood hazards areas, including substantial improvement and restoration of substantial damage, shall be designed and constructed in accordance with the provisions contained in Chapter 8 of the Land Development Code.]

Section R401.1.2. Addition: Insert after first sentence: Any foundation approved by the Federal Housing Administration (FHA) shall be accepted.

- (22) Section R401.2, amend a paragraph at the end of the section to read: [Every foundation and/or footing, addition or modification to an existing post-tension foundation, regulated by this code shall be designed and sealed by an Oklahoma registered engineer.]
- (23) Section R403.1, amend a sentence and listings at the end of the section to read: [Stress analysis for any structural element considered by the building official to be unsafe shall be submitted for review to determine if acceptable or not. Concrete footings shall meet the following minimum requirements:
- a. Minimum depth of concrete footings on exterior walls shall be 18 inches;
 - b. Minimum width of frame walls shall be 12 inches;
 - c. Minimum width of masonry veneer in place shall be 16 inches;
 - d. All footings shall be 3,000 psi minimum compressive strength concrete or larger;
 - e. Minimum reinforcement of four rows of number 5 rebar top and bottom, two rows on top and two rows on bottom;
 - f. All footing shall be poured in a minimum of twelve inches into undisturbed soil; and
 - g. 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 (1,828 mm) on center with embedment of 12 inches (304 mm) into each footing and wall.
- Exception: Temporary structures not exceeding 15 feet in height to the highest ridge of the structure and 600 square feet in area shall be exempt from the requirements of this section. In all cases, structures should be secured to the earth in a minimum of four locations.]
- (24) Section R408.7, delete section and amend to read: [R408.7 Flood resistance. Buildings, Structures and property boundaries where construction occurs in part in flood hazards areas, including substantial improvement and restoration of substantial damage, shall be designed and constructed in accordance with the provisions contained in Chapter 8 of the Land Development Code.]
- (25) Section 602.6.1, delete part of the verbiage: “1 ½ inches (38 mm)”; replace with: [5 inches (127 mm)] and add the sentence: [Fasteners will be offset to prevent splitting of the top plate material.] and add: [See Figure R602.6.1.]

(26) Figure R602.6.1, delete the existing figure and amend the following:

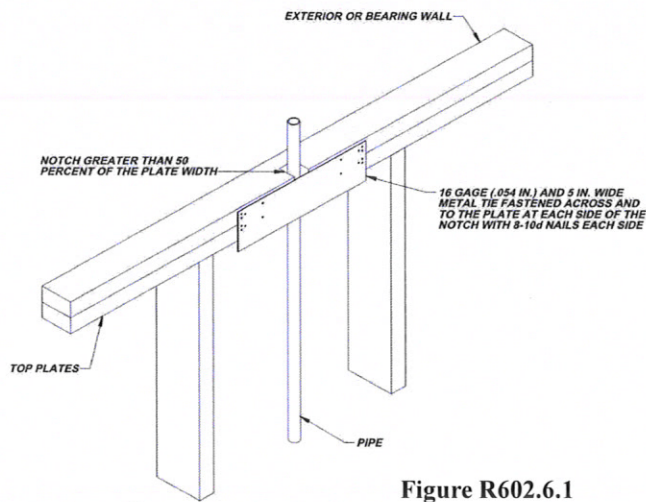


Figure R602.6.1

(27) Section R905.1.2 amend to read: [R905.1.2 Ice barriers. In the roof valleys an ice barrier shall be installed for asphalt shingles, metal roof shingles, mineral surface roll roofing, shale and slate-type shingles, wood shingles and wood shakes. The ice barrier shall consist of not fewer than two layers of underlayment cemented together, or a self-adhering polymer modified bitumen sheet shall be used in place of normal underlayment and extend from the lowest edge of the roof surface.

Exception: Detached accessory structures not containing conditioned floor area.]

(28) Section M2005.2, add verbiage to existing text: Add the word, [Existing] at the beginning of the second sentence and add the words: [sleeping rooms, toilet rooms, surgical rooms] in the middle of the second sentence; add a sentence after the second sentence to read: [Access to such enclosure may be from the bedroom or bathroom when through a solid door, weather-stripped in accordance with the exterior door air leakage requirements and equipped with an *approved* self-closing device and a carbon monoxide alarm is in place.]

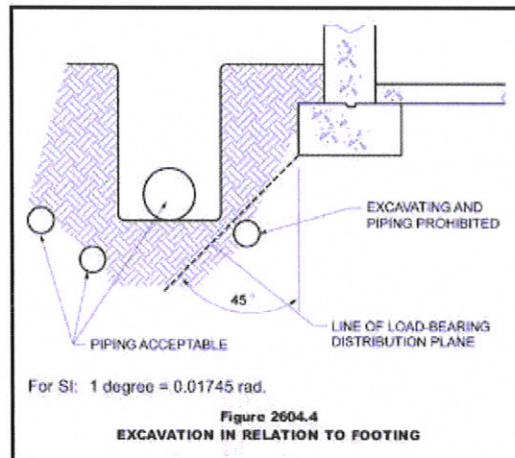
(29) Section G2412.7 (401.7), add verbiage to existing text to read: [Piping from multiple meter installations shall be marked with approved permanent identification that has a contrasting background, durable material, minimum of 1/2 inch lettering that is engraved or pressed lettering by the installer so that the piping system supplied by the meter is readily identifiable.]

(30) Section G2415.1 (404.1) add a second paragraph to read: [Both ends of each section of medium pressure gas piping shall identify its operating gas pressure with an *approved* tag. The tags are to be composed of aluminum or stainless steel and the following wording shall be stamped into the tag:

"WARNING: [number] to [number] psi gas pressure - Do Not Remove]

- (31) Section G2415.12 (404.12), delete the verbiage, “12 inches (305 mm)” and replace and amend with [18 inches (457 mm)] and delete the end of the sentence that reads: “except as provided for in Section G2415.12.1”.
- (32) Section G2415.12.1 (404.12.1), delete this section.
- (33) Section G2415.13 (404.13), add a sentence at the end to read: [Where over-excavated, the trench shall be backfilled to the proper grade compacted with manufacturer’s instructions. Piping shall not be supported on rocks or blocks at any point. Rocky or unstable soil shall be over-excavated by two or more pipe diameters and brought to the proper grade with suitable compacted material.]
- (34) Section G2415.13.1 (404.13.1), amend to read: [G2415.13.1 (404.13.1) Fuel/Gas shared trench. Where a fuel/gas piping is installed in a trench, sharing of the trench with electrical service, electrical feeders, electrical conduit, electrical branch circuits water piping and building sewers is prohibited. The fuel/gas piping must have an 18 inch separation.]
- (35) Section G2415.13.2 (404.13.2), amend to read: [G2415.13.2 (404.13.2) Warning ribbon. Underground piping shall have their location identified by a warning ribbon that is a minimum of two-inch-wide yellow background color and black wording that reads, “Caution”, “Gas Line Below”, “Buried Gas Line” or other type of wording accepted by the building official. The warning ribbon shall be placed in the trench not less than 12 inches above the underground piping installation.]
- (36) Section G2415.13.3 (404.13.3), amend to read: [G2415.13.3 (404.13.3) Protection of footing. Trenching installed parallel to footings and wall shall comply with Section P2604.4.]
- (37) Section G2417.1 (406.1), add a sentence at the end to read: [The permit holder shall make the applicable tests prescribed in Sections 2417.1.1 through 2417.1.6 to determine compliance with the provisions of this code. The permit holder shall give reasonable advance notice to the building official when the piping system is ready for testing. The equipment, material, power and labor necessary for the inspections and test shall be furnished by the permit holder and the permit holder shall be responsible for determining that the work will withstand the test pressure prescribed in the following tests.]
- (38) Section G2417.4.2 (406.4.2), replace and amend to read: [G2417.4.2 (406.4.2) Test duration. The test duration shall be held for a length of time satisfactory to the Building Official, but in no case for less than fifteen (15) minutes. For welded piping, and for piping carrying gas pressures in excess of fourteen (14) inch water column pressure (3.48 kPa), the test duration shall be held for a length of time satisfactory to the Building Official, but in no case for less than thirty (30) minutes.]
- (39) Section G2422.1.2.3 (411.1.3.3), delete exception number 1 and number 4.

- (40) Section G2424.1 (415.1), add at the end of the sentence to read: [and in a neat and orderly workman fashion.]
- (41) Section P2601.4, amend section to read: [P2601.4 Availability. A public water main or public sewer system shall be considered available for a private service line to a building when the building is located within ~~300~~ 500 feet of the public water or sewer system.]
- (42) Section P2603.5, delete and amend to read: [P2603.5 Freezing. Water pipes shall not be installed outside of a building, in attics or crawl spaces, concealed in outside walls, or in any other place subjected to freezing temperatures unless adequate provisions is made to protect such pipes from freezing in insulation or heat or both. Exterior water supply system piping shall be installed not less than 24 inches (610 mm) below grade.]
- (43) Section P2603.5.1, insert the number [12] to designate the depth and add a sentence at the end of the paragraph to read: [If proper fall cannot be achieved, an alternative depth must be approved by the building official.]
- (44) Section P2604.4, add at the end of the sentence to read: [Installation must meet this code section and Figure 2604.4.]
- (45) Figure 2604.4, amend the figure:



- (46) Section P2804.6.1, add an exception to number 4 to read: [Exception: Multiple relief devices may be installed to a single T & P discharge piping system when approved by the administrative authority and permitted by the manufacturers installation instructions and installed with those instructions.] and in number 5 delete: “the floor, to the pan serving the water heater or storage tank, to a waste receptor” and replace within the sentence: [an approved location].
- (47) Section P3002.2, delete and amend to read: [P3002.2 Building sewer. Building

sewer shall not be smaller than three inches internal diameter. All tapping saddles shall be plastic saddle tees with one strap on each side of tee, completely secured around main line. Building sewer pipe shall be for six-inch or smaller PVC SCH-40 and for six-inch and larger either PVC SCH-40 or Heavy Duty SDR-35. Forced main sewer piping shall conform to one of the standards for ABS plastic pipe, copper or copper-alloy tubing, PVC plastic pipe or pressure-rated pipe indicated in Table P3002.2.]

- (48) Section P3003.9.1, add the verbiage within the text to read: [that is fully banded].
- (49) Section P3003.9.2, delete the verbiage that reads: “or other approved primer” and delete all of the exceptions.
- (50) Section P3005.2.3. Delete and replace with: [There shall be two directional cleanouts with a backwater valve in between the two directional cleanouts near the junction of the building drain and building sewer. The two directional cleanouts and backwater valve shall be outside the building wall located within 10 feet developed length of piping upstream of the junction, provided that it is brought up to finish grade.]
- (51) Section P3008.1, delete and amend to read: [P3008.1 Where required. There shall be two directional cleanouts with a backwater valve in between the two directional cleanouts near the junction of the building drainage and building sewer. The two directional cleanouts and backwater valve shall be outside the building wall, provided that it is brought up to finish grade. Backwater valves shall be subject to the following specifications:
- a. The installation of backwater devices shall be in accordance with lawful requirements of the administrative authority.
 - b. Shall be installed in the building drain branch which receives only the discharge from fixtures connected to branches which are located below ground level.
 - c. All bearing parts of corrosion-resistant materials.
 - d. Working parts shall be readily accessible for service and repairs; and
 - e. Constructed so a mechanical seal against backflow will be provided.]

~~Sections E3401 to E4304. Delete Sections E3401 to E4304 and replace with the 2014 NEC as adopted by the state uniform building code commission pursuant to 59 O.S. § 1000.23 and the city.~~

- (52) Section E3401.5, amend section to read: [E3401.5 Prohibiting uses of aluminum. Aluminum wire and conductors are prohibited.]

- (53) Section E3406.2, delete section and amend to read: [E3406.2 Conductor material. Conductors used to conduct current shall be of copper.]
- (54) Section E3601.6.1, add a sentence at the end of the section to read: [Where a building or structure is supplied by more than one service, or any combination of branch circuits, feeders, and services, a permanent plaque or directory shall be installed with a contrasting background, durable material, engraved or pressed lettering with a minimum of 1/2 inch lettering height at each service disconnect location denoting all other services, feeders and branch circuits supplying that building or structure and the areas served by each.]
- (55) Section E3601.6.2, add a sentence at the end of the section to read: [Emergency Service Disconnect means for a one- and two- family dwelling is to reference 230.85 of the 2020 National Electrical Code.]
- (56) Section E3803.1.1, amend to read: [E3803.1.1 Shared trench. Where a buried cable, raceway or conduit is installed in a trench, sharing of the trench with fuel/gas piping, water piping and building sewers is prohibited. Buried electrical must have a minimum of 18 inches separation.]
- (57) Section E3803.1.2, amend to read: [E3803.1.2 Protection of footing. Trenching installed parallel to footings and wall shall comply with Section P2604.4.]
- (58) Section E3907.10, amend to read: [E3907.10 Mounting height. Enclosures for switches or overcurrent devices shall be installed so the bottom of the enclosure is not less than 2 feet (600 mm) above the finish grade or working platform unless specifically listed or approved for an alternative mounting height.]

~~Section Addition:~~

~~Part IV Energy Construction:~~

~~Part V Mechanical:~~

~~Part VI Fuel Gas:~~

~~Part VII Plumbing:~~

~~Part VIII Electrical:~~

- (c) ~~C~~. *Adoption of residential wind code for one-to-two family dwelling.* The following additions are hereby included in the residential building code for the purposes of establishing minimum regulations governing residential construction for high wind resistance:

- (1) ~~1.~~ Roof sheathing (OSB or plywood) shall be nailed with 8d ring shank (0.131" by 2.5") or 10d (0.148" by 3") nails on four-inch on center along the edges and six-inch on center in the field. Dimensional lumber decking is not allowed.
- (2) ~~2.~~ Maximum spacing for roof framing shall be 16 inches on center. Minimum nominal sheathing panel size shall be 7/16. Minimum wood structural panel span rating shall be 24/16.
- (3) ~~3.~~ Connections for roof framing shall be designed for both compression and tension, and may include nail plates or steel connection plates. Connections for roof framing shall include connections on rafters, web members, purlins, kickers, bracing connections, and the connections to interior brace wall top plates or ceiling joists.
- (4) ~~4.~~ Gable end walls shall be tied to the structure, and may include steel connection plates or straps. The connections shall be made at the top and bottom of the gable end wall.
- (5) ~~5.~~ Structural sheathing panel (OSB or plywood) shall be required for gable end walls.
- (6) ~~6.~~ Hurricane clip or framing anchor shall be required on all rafter to wall connections.
- (7) ~~7.~~ The upper and lower story wall sheathing shall be nailed to the common rim board.
- (8) ~~8.~~ All walls shall be continuously sheathed with structural sheathing (OSB or plywood) using the CS-WSP method. Garage doors shall be framed using the sheathed portal frame method CS-PF. No form of intermittent bracing shall be allowed on an outer wall. Intermittent bracing may only be used for interior braced wall lines.
- (9) ~~9.~~ Nailing of wall sheathing (OSB or plywood) shall be increased to 8d ring shank (0.131" by 2.5") or 10d (0.148" by 3") nails on four-inch on center along the edges and six-inch on center in the field.
- (10) ~~10.~~ Structural wood sheathing shall be extended to lap the sill plate and nailed to the sill plate using a four-inch on center along the edges. Structural wood sheathing shall be nailed to rim board if present with 8d ring shank (0.131" by 2.5") or 10d (0.148" by 3") nails on four-inch on center along both the top and bottom edges of the rim board.
- (11) ~~11.~~ Garage doors shall be rated to 135 mph wind or above.
- (12) ~~12.~~ Exterior wall studs shall be 16-inch on center.

(d) ~~D.~~ *Building foundation regulations.* In addition to the rules, regulations, and standards set forth in the International Residential Code, as adopted herein, the following additional requirements are adopted and made a part of the building code of the city:

(1) ~~1.~~ *General.* Stress analysis for any structural element considered by the building official to be unsafe shall be submitted for approval.

~~2.~~ *Foundations and footings.* All exterior walls shall have footings of the following minimum standards:

~~a.~~ Minimum depths of concrete footings on exterior walls: 18 inches.

~~b.~~ Minimum width for frame walls: ten inches.

~~c.~~ Minimum width for veneer walls: 12 inches.

~~d.~~ All footings shall be 3,000 psi, minimum compressive strength concrete and reinforced with four rows, two up and two down, with No. 5 bar top and bottom.

~~e.~~ All footings shall be poured in a minimum of six inches into undisturbed soil.

~~f.~~ Where pier and grade beam type of foundation is proposed for residential construction, design of grade beam and piers shall be:

~~(1)~~ *Piers.*

~~(A)~~ Diameter: ten inches minimum.

~~(B)~~ Depth: 24 inches minimum.

~~(C)~~ Spacing: eight feet on center with one No. 5 bar for full length of pier and extending into beam.

~~(2)~~ *Grade beam, minimum width.*

~~(A)~~ Frame: six inches, except that an eight inch beam may be flared to be covered by base trim.

~~(B)~~ Masonry or masonry veneer: eight inches.

~~(C)~~ Minimum effective depth: 14 inches; however, where grade beam supports wood floor framing the minimum effective

depth shall be 18 inches in order to provide required clearance under joints.

~~(D) Reinforce with two bars at the top and bottom of the beam as follows: frame, four No. 4 bars; and masonry or masonry veneer, four No. 5 bars. Where grade beam is flared at the top, reinforce with one No. 6 bar instead of two No. 4 bars~~

~~(3) Concrete slab floors. All concrete slab floors shall meet the following minimum standards:~~

~~(A) All concrete slabs on grade shall be nominal four inches thick on a four inch sand base.~~

~~(B) All concrete shall be minimum 2,500 psi compressive strength.~~

~~(C) It is recommended that all concrete slabs shall be reinforced with 66/1010 wire mesh.~~

~~(D) All slabs on grade shall be either waterproof concrete or shall have 0.006 inch vapor barrier under slab.~~

~~(E) All concrete floors shall be a minimum of eight inches above finished grade.~~

State Law reference— Adoption by reference, 11 O.S. § 14-107.

Sec 5-206 Adoption Of Standard Specifications For The Construction Of Water And Sewer

A certain document, one copy of which is on file in the office of the city clerk, being designated as the "City of Moore Standard Specifications for the Construction of Water and Sewer Public Works Construction," and "Construction Standards and Details for Public Works Construction" dated ~~February 1990~~ September 18, 2023, as ~~developed and prepared by Wyatt, Doyle and Butler Engineers, Inc.~~, is hereby adopted as the construction code of water and sewer for the city. The specifications set forth the standards and specifications for the construction of water and sewer establish minimum regulations governing the installation of water mains, installation of sewer mains, incidental construction, attendant installation and maintenance of water and sewer mains, and standards for earth work, excavation, disposal of materials, adjustment of existing structures, foundations and bedding, and backfill, all relative to the construction of water and sewer. Each and all of the regulations, provisions, penalties, conditions and terms of the standard specifications are hereby referred to, adopted and made a part hereof as if fully set out in this section.

State Law reference— Adoption by reference, 11 O.S. § 14-107.

Sec 5-207 Adoption Of Paving, Sidewalk, And Driveway Specifications

A certain document commonly known as "~~Standard P.C.C. Paving Details, Standard Driveway and Sidewalk Details and Standard A.C. Paving Details, City of Moore Standard Specifications for Public Works Construction,~~" and "Construction Standards and Details for Public Works Construction" one copy of which is on file in the office of community development director, is hereby adopted as the specifications for same and shall be known as the paving code of the city. Subsequent revisions, modifications, codifications or additions of the paving code shall become effective as available, for the control of paving as herein provided. Each and all of the regulations, provisions, conditions, and terms of the paving code are hereby referred to, adopted and made a part hereof as if fully set out in this section.

The maximum width of a driveway shall be calculated as a grand total of the property boundary. The existing and proposed widths of all driveways within a one-to-two family lot shall be calculated as a whole. The maximum combination width of residential driveways shall not exceed 30 feet in width. Turning radii are not placed in the total width calculation. The minimum/maximum radii for a one-to-two family dwelling is five feet. The proposal of a larger radii must get approval from the Community Development Director.

Sec 5-210 ~~Private Water Wells Prohibited~~ Reserved

~~It is unlawful and an offense for any person to drill a well for the production of water upon property not owned and controlled by the city. It is unlawful and an offense for any person to produce water from any well hereafter drilled in violation of this section. This section shall not apply to any property placed in an agricultural zoning classification under the zoning ordinances of the city.~~

ARTICLE 5-2D ONE-TO-TWO FAMILY AWNINGS, CARPORTS AND PATIO COVERS

Sec 5-251 Definition

Sec 5-252 Construction Restrictions

Sec 5-253 Permits And Fees

Sec 5-251 Definition

Awnings, carports, and patio covers, individually or in combinations, as used herein, are defined as any structure, whether attached to an existing structure or freestanding, which is constructed for the purpose of providing a roof type cover only, for shelter from the sun, rain, snow, sleet or hail.

Sec 5-252 Construction Restrictions

Awnings, carports and patio covers which extend beyond the front building line, toward the street, or beyond the side building line on side streets, may be constructed if they meet the following requirements:

- (a) ~~A~~. They are not to exceed more than 20 feet beyond the front building line, but in no instance beyond the front property line of interior lots;
- (b) ~~B~~. They are not to extend more than 20 feet beyond the side building line, but in no case beyond the side property line of corner lots;
- (c) ~~C~~. They must not be, at any point on the structure, closer than five feet to an adjacent property line; except, those houses that have an existing one car garage as of November 2, 1995, may erect a carport within one foot of the side property line, provided the structure may not divert any stormwater to the adjacent property;
- (d) ~~D~~. Construction details must conform to the following:
- (1) ~~1~~. The structure must be designed to support a load of 20 pounds per square foot in addition to the weight of the structure;
 - (2) ~~2~~. Awnings, carports and patio covers which are attached to an existing structure shall be attached with one-quarter inch or larger lag screws in a substantial manner and shall be anchored to each wall stud or to a masonry wall. One side of attached awnings, carports or patio cover structures shall be supported by 1½-inch diameter by 14 gauge steel columns, or columns of equivalent strength, set in concrete footings not less than 12 inches deep nor less than 12 inches in diameter;
 - (3) ~~3~~. Freestanding carports or patio covers shall be supported by 2½-inch diameter by 14 gauge steel columns or columns of equivalent strength, set in concrete footings not less than 24 inches deep nor less than 12 inches in diameter;
 - (4) ~~4~~. All concrete in footings shall be 2,000 pounds per square inch quality;
 - (5) ~~5~~. Roof slope shall be at least 3/16 -inch per foot; and
 - (6) ~~6~~. All bolts and screws used in the structure shall be cadmium plated or equal.

Sec 5-253 Permits And Fees

- (a) ~~A~~. A permit must be obtained from the city clerk upon written application showing compliance with this article and other applicable ordinances of the city.
- (b) ~~B~~. Such application shall contain the address of the applicant along with a detailed drawing showing the desired specification of the proposed awning, carport or patio cover and showing on such drawing compliance with this article in all particulars. The

application will be on forms prepared by the city clerk and shall contain such other information as is deemed necessary by him.

- (c) ~~€~~ No permit will be issued until the permit fee is paid to the city clerk. It shall be an offense to construct an awning, carport or patio cover without having first secured a permit as provided in this article.

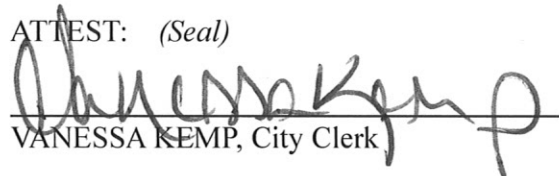
Severability. If any of the provisions of this ordinance are determined to be unconstitutional or unlawful by any court of competent jurisdiction, the remainder shall be severable and unaffected.

Repealer. Any ordinance or parts thereof in conflict with this section are hereby repealed.

PASSED AND APPROVED THIS 18TH DAY OF DECEMBER, 2023.


MELISSA HUNT, Vice-Mayor

ATTEST: (Seal)


VANESSA KEMP, City Clerk



APPROVED AS TO FORM AND LEGALITY:


Brian K. Miller, City Attorney