

ORDINANCE NO. 857 (17)

AN ORDINANCE AMENDING PART 5, CHAPTER 2, ARTICLE A, SECTIONS 5-204 THROUGH 5-205 ADOPTING THE 2015 RESIDENTIAL BUILDING 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 FOUNDATIONS WITHIN MOORE, OKLAHOMA; AND REPEALING ANY INCONSISTENT ORDINANCES OF THE CITY OF MOORE, STATE OF OKLAHOMA.

BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF MOORE, OKLAHOMA THAT PART 5, CHAPTER 2, ARTICLE A, SECTION 5-204 THROUGH SECTION 5-205 ARE HEREBY AMENDED TO READ AS FOLLOWS:

ARTICLE A - BUILDING CODE

SECTION 5-204 - ADOPTION OF DWELLING CODE ~~THE 2015 INTERNATIONAL RESIDENTIAL CODE AS AMENDED AND MODIFIED BY THE OKLAHOMA UNIFORM BUILDING CODE COMMISSION PURSUANT TO 59 O.S. § 1000.23.~~

The following additions, amendments or deletions are made to the 2015 International Residential Building Code adopted herein:

- A. There is hereby adopted that certain code known as International Residential Code ~~2009~~ 2015 as ~~published by the International Code Council, Inc.~~ amended and modified by the 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 Residential Building Code'. Each and all of the regulations, provisions, penalties, conditions and terms of the ~~International 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. ~~Subsequent revisions, modifications, codifications or editions of the International Residential Code shall become effective as available.~~ Not less than one (1) copy of this code is on file in the office of the clerk.
- B. The following sections of the dwelling code are hereby revised as follows:

Section R109.1.5.1	Lath and/or Wallboard Inspection. Delete;
Section 109.5	Prefabricated Construction. Insert: [Modular Construction, Manufactured Housing and any other prefabricated construction is not permitted in <u>any zoning district within the City of Moore city limits R-1 Single Family Dwelling District and the R-2 Two Family Dwelling</u>

	District , unless approved by the Board of Adjustment as provided in Section 12-125 of the city code];
Section R401.1.2	Addition: Insert after first sentence: Any foundation approved by the Federal Housing Administration (FHA) shall be accepted;
Section P3005.2.7 <u>P3005.2.3</u>	Delete and replace with; There shall be two (2) directional cleanouts with a backwater valve in between the two (2) directional cleanouts near the junction of the building drain and building sewer. The two (2) directional cleanouts and backwater valve shall be outside the building wall, provided that it is brought up to finish grade.
	Delete Sections E3401 to E4304 and replace with the <u>2014 NEC 2011 as adopted by the Oklahoma Uniform Building Code Commission pursuant to 59 O.S. § 1000.23 and the City of Moore</u>
Section 210.4.(B)	"Add" Breaker handle ties shall not be permitted to be used.
Section 210.19 (A)(4)	is hereby amended by:
	Deleting the number "14" and inserting the number "12".
Section 215.3.(A)	"Add" Breaker handle ties shall not be permitted to be used on multiwire feeder circuits.
Section 250.118	is hereby deleted and the following language is hereby substituted:
	250.118. Types of Equipment Grounding Conductors. The equipment grounding conductor run with the circuit conductors shall be copper only. This conductor shall be solid or stranded; insulated, covered, or bare; and in the form of a wire or a busbar of any shape.
	All raceways or cable assemblies shall include a green or bare equipment grounding conductor. Said conductor shall be bonded to all non-current carrying metal parts of the electrical system.
Section 680.23 (A)(4)	Change 150 to 15 volts
Section 680.23 (A)(2)	A Ground fault circuit interrupter shall be installed in branch circuits that supply low voltage lighting transformers.
Section Addition	

	Part IV Energy Construction
	Part V Mechanical
	Part VI Fuel Gas
	Part VII Plumbing
	Part VIII Electrical

C. **ADOPTION OF RESIDENTIAL WIND CODE:** The following additions are hereby included in the ~~dwelling~~ residential building code for the purposes of establishing minimum regulations governing residential construction for high wind resistance:

1. Roof sheathing (OSB or plywood) shall be nailed with 8d ring shank (0.131" × 2.5") or 10d (0.148" × 3") nails on 4" on center along the edges and 6" on center in the field. Dimensional lumber decking is not allowed.
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. 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. 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. Structural sheathing panel (OSB or plywood) shall be required for gable end walls.
6. Hurricane clip or framing anchor shall be required on all rafter to wall connections.
7. The upper and lower story wall sheathing shall be nailed to the common rim board.
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. Nailing of wall sheathing (OSB or plywood) shall be increased to 8d ring shank (0.131" × 2.5") or 10d (0.148" × 3") nails on 4" on center along the edges and 6" on center in the field.
10. Structural wood sheathing shall be extended to lap the sill plate and nailed to the sill plate using a 4" on center along the edges. Structural wood sheathing shall be nailed to rim board if present with 8d ring shank (0.131 × 2.5") or 10d (0.148" × 3") nails on 4" on center along both the top and bottom edges of the rim board.

11. Garage doors shall be rated to 135 mph wind or above.
12. Exterior wall studs shall be 16" on center.

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 of Moore:

- 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 = 10 inches
 - c) Minimum width for veneer walls = 12 inches
 - d) All footings shall be 3,000 psi, minimum compressive strength concrete and reinforced with 4 rows, 2 up and 2 down, with No. 5 bar top and bottom
 - e) All footings shall be poured in a minimum of 6 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:
 - i) Piers
 - (1) Diameter = 10 inches minimum
 - (2) Depth = 24 inches minimum
 - (3) Spacing = 8 feet on center with one No. 5 bar for full length of pier and extending into beam
 - ii) Grade Beam, minimum width:
 - (1) Frame = 6 inches except that an 8 inch beam may be flared to be covered by base trim
 - (2) Masonry or masonry veneer = 8 inches
 - (3) 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.
 - (4) Reinforce with two bar's 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 4 inches thick on a 4 inch sand base
 - b) All concrete shall be minim 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 .006 inch vapor barrier under slab
- e) All concrete floors shall be a minimum of 8 inches above finished grade

SECTION 5-205 - SMOKE DETECTORS REQUIRED IN APARTMENT DWELLINGS.


- A. All apartment structures and buildings shall have not less than one smoke detector installed and maintained in working order in each separate unit or living area within the apartment building.
- B. The smoke detectors required by this section shall be approved prior to their installation but shall be powered by the following methods, to wit:
1. For all apartments in existence on March 4, 1982, the smoke detector shall be powered by a battery and shall be tested by the owner of such apartment building every thirty (30) days, and the documentation of such testing shall be kept in the office of the manager of such apartment; and
 2. All smoke detectors installed in apartments which receive a building permit after March 4, 1982, shall be powered by the electrical system of such apartment building.
- C. All smoke detectors shall be of a type approved by the chief of the fire department, the Life International Fire Safety Code as adopted by the City or the BOCA National Residential Building Code as adopted by the City, but must be suitable to warn the occupants of the unit in which such detector is installed of the presence of smoke and the possibility of fire danger.
- D. Failure to install or maintain a smoke detector or failure to test a battery-powered smoke detector as required by this section, or to keep a record of such test, shall be unlawful, and upon conviction thereof, every person, firm, corporation, manager or other person shall be subject to punishment as provided in Section 1-108 of this code for each violation.

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 several and unaffected.

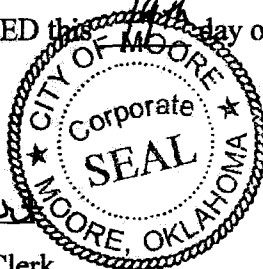
Repealer: Any ordinance or parts thereof in conflict with this section are hereby repealed.

PASSED AND APPROVED this 19th day of June, 2017.

ATTEST: (Seal)

Linda Stewart

LINDA STWART, City Clerk





GLENN LEWIS, Mayor

APPROVED AS TO FORM & LEGALITY: