

ORDINANCE NO. 2018-48

**AN ORDINANCE ADOPTING THE 2017 NATIONAL ELECTRIC CODE,
OR LATEST EDITION, AND LOCAL AMENDMENTS.**

WHEREAS, Arkansas Board of Electrical Examiners has adopted the 2017 National Electric Code with one exception. The Board's rule specifically provides that "Notwithstanding the provisions of the 2017 National Electric Code, arc fault circuit interrupters shall not be required in kitchens and laundry rooms;"

WHEREAS, the City of Bentonville intends to adopt the 2017 National Electric Code along with the Arkansas Board of Electrical Examiners exception regarding arc fault circuit interrupters in kitchens and laundry rooms;

WHEREAS, all electric installations shall conform to the 2017 National Electric Code, or latest edition;

WHEREAS, cities may add regulations in addition to the regulations of the latest edition of the National Electric Code; and

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF BENTONVILLE, ARKANSAS:

Section 1. That all electrical installations shall conform to the 2017 National Electric Code, or latest edition, three copies of which are on file with the City Clerk, which is hereby adopted by reference as though it were copied herein fully.

Section 2. That the City of Bentonville shall hereby adopt and enforce the Arkansas Board of Electrical Examiners exception to the 2017 National Electric Code regarding arc fault circuit interrupters in kitchens and laundry rooms.

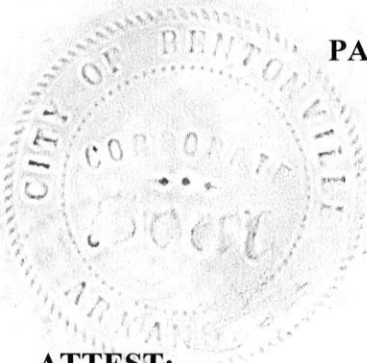
Section 3. That the City of Bentonville hereby adopts the following local amendments to the 2017 National Electric Code, or the latest edition:

1. The installing electrician shall provide a meter loop.
2. Any person doing electrical work in the City of Bentonville will be required to have or obtain an Arkansas State Masters Electrical License or be employed by a holder of such license.
3. All type NM-B Cable shall be properly supported and shall enter the outlet or lighting box no more than 2 cables per opening of such box and shall be secured by plastic or nylon staples, located 12 inches from the box and every 4 ½ feet thereafter.
4. EMT shall be properly supported by approved straps at no more than 18 inches from the box and every 5 feet there after.
5. EMT or metal boxes shall not be substituted for a grounded conductor. A ground wire shall be required for each circuit.
6. In kitchens, refrigerators shall be on a circuit by itself. This circuit shall have no other openings.
7. All persons desiring new temporary electric service shall contact the Bentonville Electric Department to determine the location of the electrical service before the installation.

8. No electrical work is to be covered without first being inspected and approved by the Building Inspection Department.
9. All underground secondary electric lines shall be a minimum of 24 inches deep from the City connection to the structure, which it serves. No direct burial cable is allowed.
10. All underground electric lines shall be in conduit and in a ditch by itself. No other utility is permitted in the same ditch with the underground electric.
11. #14 NMB shall not be used in residential applications.
12. Any single-phase account taken or served from a 120-208 3-phase bank will require a (5) five-socket meter base.
13. Electrical secondary conduit sizing: 200 – 320 amp, 3". 320 – 400 amp 4". Any service larger than 400 amp, consult with BEUD for conduit sizing requirements.
14. Where possible, all risers shall extend through the roof. The Building Inspector or the City Electric Department shall determine this.
15. All interior metal piping shall be bonded.
16. All residential structures shall have at least one (1) carbon monoxide detector per level, hard-wired with battery back-up. Also, every sleeping room containing a gas appliance shall have a carbon monoxide detector.
17. Electric services shall be grounded by two (2) ground rods driven a minimum of six (6) feet apart.
18. Electric service ground wire shall be protected by PVC schedule 80 conduit. PVC grounding conduit shall terminate into meter base.
19. Sheetrock to be installed before permanent electric service is connected.
20. Permanent power requires at least two (1) dedicated circuit in main panel (refrigerator, washing machine, furnace).
21. Pool grounding requires #8 solid bare copper ground wire.
22. No back-feeding house panels from temporary services.
23. All electrical installations shall comply with the Bentonville Electric Utility Department Construction Specifications.

Section 4. This Ordinance shall be in full force and effect 30 days from the date of its passage and approval.

PASSED and APPROVED this 13th day of March, 2018.



APPROVED:

Bob McCaslin
Mayor Bob McCaslin

ATTEST:

Rinda Spence
City Clerk