

RESOLUTION NO. 18 - 4

**RESOLUTION ADOPTING THE 2017 NATIONAL ELECTRICAL CODE
WITH LOCAL AMENDMENTS**

WHEREAS, pursuant to Section § BR 2-201 of the Building Regulations Article of the Code of Public Local Laws of Worcester County, Maryland, the County Commissioners may adopt an Electrical Code; and

WHEREAS, the County Commissioners adopted the 2014 version of the National Electrical Code with amendments by Resolution No. 15-6 on April 21, 2015; and

WHEREAS, the County Commissioners received a recommendation from the Board of Electrical Examiners of Worcester County, Maryland to adopt the 2017 version of the National Electrical Code with local amendments to replace the 2014 version; and

WHEREAS, the County Commissioners held a duly advertised public hearing as required by Section § BR 2-201 of the Building Regulations Article of the Code of Public Local laws of Worcester County, Maryland on February 20, 2018 to consider adoption of the 2017 version of the National Electrical Code with local amendments;

NOW, THEREFORE, BE IT RESOLVED by the County Commissioners of Worcester County, Maryland that:

Section 1. The National Electrical Code, 2014 edition, is hereby repealed and replaced by the National Electrical Code, 2017 edition, with the following local amendments and additions as recommended by the Board of Electrical Examiners of Worcester County:

Section 2. Article 547.5(A) is hereby amended and adopted as follows:

547.5(A) Wiring Systems. Types UF, copper SE cables, rigid nonmetallic conduit, liquid tight flexible nonmetallic conduit, with approved termination fittings, shall be the wiring methods employed. All wiring in concealed attic spaces shall only be installed in either rigid nonmetallic conduit or liquidtight flexible nonmetallic conduit. Article 398 and Article 502 wiring methods shall be permitted for areas described in Section 547.1(A). Informational note: See Sections 300.7, 352.44 and 355.44 for installation of raceway systems exposed to widely different temperatures.

Section 3. Article 547.5(B) is hereby amended and adopted as follows:

547.5(B) Mounting. All boxes and fittings shall be steel, or approved plastic with totally sealed, unused knock-outs with wiring entering from the bottom only, and shall comply with Section 547.5. All cables shall be secured within 200 mm (8 ins.) Of each cabinet, box or fitting. Nonmetallic boxes, fittings, conduit, and cables shall be permitted to be mounted directly to any building surface covered by covered by this Article without maintaining the 6 mm (1/4 in.) airspace in accordance with 300.6(D).

Section 4. Article 547.8 is hereby amended and adopted as follows:

547.8 Luminaires (Lighting Fixtures). Lighting fixtures installed in agricultural buildings shall be porcelain or approved plastic and shall comply with 547.8(A) through (C).

Section 5. A new Article shall be numbered Article 547.11 and is adopted as follows:

547.11 Prefabricated Steel Truss Agricultural Houses. All prefabricated steel truss agricultural houses shall comply with the provisions of Article 547 and shall also meet the following standards:

- (a) Wooden runs or supports shall be used for all wiring to be secured to and shall be secured to the framing of the building.
- (b) All insulation shall be laid over the top of all overhead boxes to prevent exposure to temperature variation and condensation.
- (c) All wiredrops shall be protected from chafing or wire damage due to movement, expansion coefficient or contraction.


Section 6. The following definition shall be added to Article 100 Definitions:

MINOR ELECTRICAL INSTALLATION - An electrical installation which is single phase, of twenty amperes/one hundred twenty volts AC or less and installed in an existing structure, the installation of decorative outdoor lighting operating at a nominal 48 volts DC or less and associated cabling and luminaries or electrical wiring systems operating at a nominal 48 volts DC or less such as but not limited to controls, communications, burglar alarms, audio, video and information technology systems when installed in one- and two-family dwelling units.

AND, BE IT FURTHER RESOLVED that this Resolution shall take effect on June 1, 2018.

PASSED AND ADOPTED this 20th day of February, 2018.

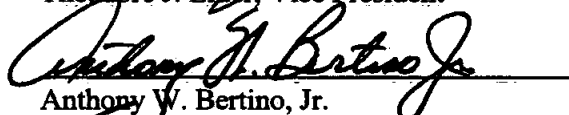
ATTEST:



Harold L. Higgins
Chief Administrative Officer

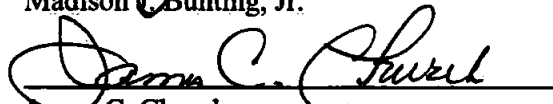
COUNTY COMMISSIONERS OF
WORCESTER COUNTY, MARYLAND

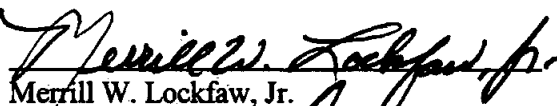

Diana Purnell, President

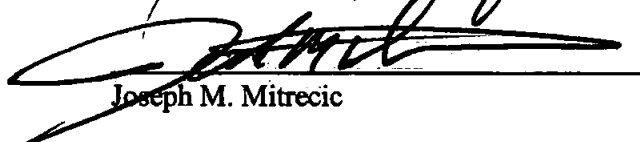

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