

Modifications to the 2017 National Electrical Code in the City of Maryville

Local Modifications:

- (1) Article 110.24(B) Available Fault Current. Modifications. is locally amended by deleting it in its entirety with no replacement.
- (2) Article 210.12 (A). Arc-Fault Circuit-Interrupter Protection. Dwelling Units. shall be locally amended by numbering the exception at the end as "Exception 1" and adding the following after the exception:

"Exception 2. Notwithstanding the above, Arc Fault Circuit Interrupters (AFCIs) shall be optional for bathrooms, laundry areas, garages, unfinished basements, which are portions or areas of the basement not intended as habitable rooms and limited to storage, work or similar area, and for branch circuits dedicated to supplying refrigeration equipment. Should there be any conflict within this section as to application, this exception shall prevail."
- (3) Article 210.19(A)(3) Household Ranges and Cooking Appliances. is amended locally by deleting in its entirety and replacing it with the following:
"Section 210.19(A)(3) Household Ranges and Cooking Appliances. All range taps shall be on separate wired circuits."
- (4) Article 210.52(A)(2). Wall Space. shall be locally amended by adding the following at the end:

"(4) Receptacles shall not be required in the wall space behind doors which may be opened fully against a wall surface. Wall space measurement shall begin at the edge of the door when fully opened."
- (5) Article 210.52 (C) (2). Island Countertop Spaces shall be locally amended by deleting in its entirety and replacing with:

"(2) Island Countertop Spaces. The installation of receptacles for island counter spaces below the countertop shall be optional."
- (6) Article 210.52 (C) (3). Peninsular Countertop Spaces shall be locally amended by deleting in its entirety and replacing with:

"(3) Peninsular Countertop Spaces. The installation of receptacles for peninsular counter spaces below the countertop shall be optional."
- (7) Article 334.15 (C). In Unfinished Basements and Crawlspaces shall be locally amended by adding the following at the end:

"Exception: Non-metallic-Sheathed Cable shall not be required to be run through bored holes in unfinished basements and crawlspaces with less than four (4) feet and six (6) inches of clearance."

- (8) Article 410.10. Luminaires in Specific Locations. shall be locally amended by adding the following at the end:

(D) In Crawlspace. Light fixtures in crawlspaces shall have guarded covers.

Maryville Municipal Code 12-307 Establishment of wiring methods requirements is repealed in its entirety and replaced and amended as follows:

“12-307 Additional Electrical requirements.

- (1) Wiring methods requirements.

The wiring methods for all structures shall be installed in an approved raceway or shall be metallic-sheathed cable, except that non-metallic-sheathed cables, including NM, NMB, NMC, NMS, SE and UF shall be permitted to be installed in apartment buildings not more than three stories above grade plane in height, detached one- and two- family dwellings and multiple single family dwellings (townhouses) not more than three stories above grade plane in height with a separate means of egress and their accessory structures. Renovations and repairs of existing buildings shall comply with this section to the extent judged practical by the building official. In instances where there is conflict between the electrical code and this section, this section shall govern.

- (2) Service equipment disconnecting means.

Service equipment shall have only one (1) means of disconnecting services of two hundred twenty five (225) amperes or less.

- (3) Smoke alarms.

Except as provided in Tenn. Code Ann. § 68-120-111(b), no one-and-two family dwellings shall be approved for connection of new electric service unless such dwelling is equipped with at least one (1) smoke alarm which, when activated, initiates an alarm audible in every sleeping room. The smoke alarm or alarms shall be listed in accordance with the 2018 International Residential Code, published by the International Code Council, Inc.; and in accordance with the manufacturer’s directions.”

- (4) Used manufactured homes.

Used manufactured homes that are being considered for electrical service shall have an Electrical Safety Inspection by an electrician duly licensed in Tennessee. The Electrical Safety Inspection shall be performed and a written statement provided to the Building Official indicating compliance with the following Electrical Safety Inspection List prior to the request for electrical service inspection by the City of Maryville Electrical Inspector. If the used manufactured home is not in compliance with the Electrical Safety Inspection List, the electrician shall obtain the appropriate permits and inspections, and perform the necessary corrective

work to obtain compliance. The list of items to be inspected by the electrician of the said electrical safety inspection shall at a minimum be the following:

ELECTRICAL SAFETY INSPECTION LIST

- (a) Manufactured homes shall have listed, enclosed-type service-entrance equipment located inside the manufactured home, with proper rated overcurrent protection for each branch circuit. Overcurrent protection for circuits of twenty (20) amperes or less may be either circuit breakers, or plug fuses and fuse holders of Type "S" and shall be of the time-delay type. The manufactured home disconnecting means located inside shall be fed from an outside location with a feeder from the main service entrance for such manufactured home. If the supply or feeder from the main service to the disconnecting means located inside does not have a grounding conductor as required by Article 550(C) of the 2017 National Electrical Code, one shall be installed.
- (b) Inspection shall be both visual and mechanical; switch and receptacle plates and light fixtures will be removed to check conductor connections, insulation of splices, boxes, and general code requirements.
- (c) The used manufactured home shall be equipped with at least one (1) smoke alarm which, when activated, initiates an alarm audible in every sleeping room. The smoke alarm or alarms shall be listed in accordance with the 2018 International Residential Code, published by the International Code Council, Inc.; and in accordance with the manufacturer's directions."