



COMMUNITY DEVELOPMENT DEPARTMENT
BUILDING DIVISION

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Electrical Contractors and Home Owners

FROM: Mesa County Building Department

DATE: December 10, 2020

EFFECTIVE DATE: March 1, 2021

SUBJECT: Division Interpretations and Adopted items to N.E.C.

We would like to bring you up-to-date on some policies and procedures of our division. Some of the items mentioned are related to matters of interpretations of N.E.C. requirements and may or may not have been substantiated by opinions of the State Electrical Board.

1. Existing Buildings: When a room is to undergo wiring changes as a result of a remodel or alterations, the effected circuit of the room must be made to comply with current N.E.C. requirements.
2. Rough-in Inspections: Before a rough-in inspection will be approved all wire must be pulled and grounds made-up in an approved manner.
3. Equipment Mounting: Wooden backboards used for equipment mounting in areas subject to weather exposure, must be of materials naturally resistant to decay or otherwise treated with substantial preservation.

The following item is to serve as a suggested wiring method and is not adopted law or a specific requirement of the N.E.C.

1. Outside disconnects are required for services in all areas served by Grand Valley Rural Power (requirements of GVRP).

The following items are amendments to the N.E.C.

1. **In dwelling units and residential garages:** The maximum number of current consuming openings on a fifteen ampere circuit shall be ten. The maximum number of current consuming openings on a twenty ampere circuit shall be twelve, except for kitchen and dining room circuits; which shall have a maximum of six current consuming openings. When a circuit only feeds lighting outlets it may be sized per the NEC requirements.
2. **Service equipment on Manufactured Housing:** The State Electrical Board had approved the mounting of service equipment on Manufactured Homes under the following conditions:
 - a. Service installation must comply with N.E.C. Article 230

- b. The Manufactured Home must be installed on an approved permanent foundation.
 - c. The home must be located on property owned by the Manufactured Home owner, and not on a leased or rented lot in a mobile home park.
 - d. The panel board in the Manufactured Home is not permitted to serve as the service entrance equipment.
 - e. The service disconnect must be on the exterior of the structure, or where installed on a suitable basement, may be installed on the basement.
3. **Ground Rods:** Mesa County will continue to require a ground rod in addition to the N.E.C. grounding requirements.
4. **All other requirements of the N.E.C. remain unchanged.**