



m e m o r a n d u m

TO: Building Safety Board of Appeals
Nicholas Hanson, Building Official

FROM: Jamie Lance, Electrical Inspector

DATE: 04/01/2022

SUBJECT: Significant Changes of the 2020 National Electric Code

The purpose of this memo is to identify any significant changes in the adoption of the 2020 *National Electrical Code* (NEC).

The following Sections have been added to the Adopting Ordinance for the NEC. The adoption of the new section(s) does not change the purpose or intent of the Code.

Section 90-13(D) Maintenance Level Electrical Certification has been added.

The following Sections have been added to the 2020 NEC. The adoption of the new section(s) does not change the purpose or intent of the Code.

Section 210.8 Ground-Fault Circuit-Interrupter Protection for Personnel expands the ground fault protection in kitchens to include garbage disposals and dishwashers.

Section 210.8 Ground-Fault Circuit-Interrupter Protection for Personnel expands the ground fault protection for receptacles to include voltage up to 250v.

Section 210.8 Ground-Fault Circuit-Interrupter Protection for Personnel expands the ground fault protection to include the entire basement.

Section 210.8 Ground-Fault Circuit-Interrupter Protection for Personnel adds ground fault protection requirements for indoor damp and wet locations.

Section 210.8 Ground-Fault Circuit-Interrupter Protection for Personnel expands the ground fault protection for exterior outlets regardless of voltage. Covered light fixtures are exempt.

Section 210.12 Arc-Fault Circuit Interrupter Protection has expanded the requirements in dwelling units for arc fault protection to kitchen circuits; bathrooms are exempt.

Section 210.12 Arc-Fault Circuit Interrupter Protection has expanded the requirements in Guest Rooms, Guest Suites and Dormitories.

Section 210.52 Dwelling Unit Receptacle Outlets expands the minimum requirement of receptacles in garages and includes a dedicated garage circuit.

Section 230.67 Surge Protection now required for services supplying dwelling units.

Section 230.85 Emergency Disconnect now required on the exterior of 1 and 2 family dwelling units.

Section 314.27 Ceiling Boxes in habitable spaces in dwelling units shall be fan rated.

Section 406.4 Receptacle Replacement is now required to upgrade to AFCI or GFCI protection where required by this code.

Section 445.18 Emergency Stop now required for hardwired generators on the exterior 1 and 2 family dwelling units.

Section 690.12 Solar Photovoltaic Systems now requires rapid shut down for solar installations on buildings. The code states that source circuits must be de-energized from all sources within 10 seconds of when the utility supply is de-energized or when the PV source disconnect is opened.