

481—404.3(103) Installation requirements. The provisions of the National Electrical Code, 2023 edition, published by the National Fire Protection Association, are incorporated herein by reference as the requirements for electrical installations performed by persons subject to licensing and inspection pursuant to Iowa Code chapter 103 and rules promulgated thereunder, with the following amendments:

404.3(1) Delete article 210.8(A), “Dwelling Units,” and insert in lieu thereof the following new section:

“210.8(A) Dwelling Units.

All 125-volt, 15- and 20-ampere receptacles installed in the following locations and supplied by single-phase branch circuits rated 150 volts or less to ground shall have ground-fault circuit-interrupter protection for personnel:

- (1) Bathrooms
- (2) Garages and also accessory buildings that have a floor located at or below grade level not intended as habitable rooms and limited to storage areas, work areas, and areas of similar use
- (3) Outdoors
- (4) Crawl spaces – at or below grade level
- (5) Basements
- (6) Kitchens
- (7) Areas with sinks and permanent provisions for food preparation, beverage preparation, or cooking
- (8) Sinks – where receptacles are installed within 1.8 m (6 ft) from the top inside edge of the bowl of the sink
- (9) Boathouses
- (10) Bathtubs or shower stalls – where receptacles are installed within 1.8 m (6 ft) of the outside edge of the bathtub or shower stall
- (11) Laundry areas
- (12) Indoor damp and wet locations.”

404.3(2) Delete article 210.8(D), “Specific Appliances,” and insert in lieu thereof the following new section:

“210.8(D) Specific Appliances.

GFCI protection shall be provided for the branch circuit or outlet supplying the following appliances rated 150 volts or less to ground and 60 amperes or less, single- or 3-phase:

- (1) Automotive vacuum machines
- (2) Drinking water coolers and bottle fill stations
- (3) High-pressure spray washing machines
- (4) Tire inflation machines
- (5) Vending machines
- (6) Sump pumps
- (7) Dishwashers
- (8) Microwave ovens.”

404.3(3) Delete article 210.8(F), “Outdoor Outlets.”

[ARC 9033C, IAB 3/19/25, effective 7/1/25; Editorial change: IAC Supplement 7/9/25]