

CHAPTER 504
STANDARDS FOR ELECTRICAL WORK

661—504.1(103) Installation requirements. The provisions of the National Electrical Code, 2020 edition, published by the National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02169-7471, are adopted as the requirements for electrical installations performed by persons licensed pursuant to 661—Chapters 500 through 503 and to installations subject to inspection pursuant to Iowa Code chapter 103 with the following amendments, which shall expire on January 1, 2022:

504.1(1) Delete section 210.8(A) and insert in lieu thereof the following new section:

210.8(A) Dwelling Units.

All 125-volt, single-phase, 15- and 20-ampere receptacles installed in locations specified in 210.8(A)(1) through 210.8(A)(11) 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 to be habitable rooms and limited to storage areas, work areas or similar use

(3) Outdoors

Exception to (3): Receptacles that are not readily accessible and are supplied branch circuit dedicated to electrical snow-melting, deicing, or pipeline and vessel heating equipment shall be permitted to be installed in accordance with 426.28 or 427.22, as applicable.

(4) Crawl spaces – at or below grade level

(5) Basements

Exception to (5): A receptacle supplying only a permanently installed fire alarm or burglar alarm system shall not be required to have ground-fault circuit-interrupter protection.

Informational Note: See 760.41B and 760.121(B) for power supply requirements for fire alarm systems.

Receptacles installed under the exception to 210.8(A)(5) shall not be considered as meeting the requirements of 210.52(G)

(6) Kitchens – where the receptacles are installed to serve the countertop surfaces

(7) Sinks – where receptacles are installed within 1.8 m (6 ft) from the top inside edge of the bowl of the sink

(8) Boathouses

(9) Bathtubs or shower stalls – where receptacles are installed within 1.8 m (6 ft) of the outside edge of the bathtub or shower stall

(10) Laundry areas

Exception to (1) through (3), (5) through (8), and (10): Listed locking support and mounting receptacles utilized in combination with compatible attachment fittings installed for the purpose of serving a ceiling luminaire or ceiling fan shall not be required to be ground-fault circuit-interrupter protected. If a general-purpose convenience receptacle is integral to the ceiling luminaire or ceiling fan, GFCI protection shall be provided.

(11) Indoor damp and wet locations

504.1(2) Delete section 210.8(F).

This rule is intended to implement Iowa Code chapter 103.

[ARC 9825B, IAB 11/2/11, effective 1/1/12; ARC 1715C, IAB 11/12/14, effective 1/1/15; ARC 3466C, IAB 11/22/17, effective 12/27/17; ARC 5287C, IAB 11/18/20, effective 1/1/21; See Delay note at end of chapter; ARC 5523C, IAB 3/24/21, effective 4/1/21]

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[Filed ARC 1715C (Notice ARC 1557C, IAB 7/23/14), IAB 11/12/14, effective 1/1/15]

[Filed ARC 3466C (Notice ARC 3153C, IAB 7/5/17), IAB 11/22/17, effective 12/27/17]

[Filed ARC 5287C (Notice ARC 5152C, IAB 8/26/20), IAB 11/18/20, effective 1/1/21]¹

[Filed Emergency ARC 5523C, IAB 3/24/21, effective 4/1/21]

¹ January 1, 2021, effective date of Chapter 504 [ARC 5287C] delayed 70 days by the Administrative Rules Review Committee at its meeting held December 8, 2020.