

Chapter 120: ELECTRICAL INSTALLATION STANDARDS

SUMMARY: This chapter establishes the effective dates of the current edition of the *National Electrical Code* to which all installations must conform.

1. All installations of electrical equipment commencing on or after July 1, 2017 must comply with the 2017 edition of the *National Electrical Code*, *National Fire Protection Association #70*, as well as with all applicable statutes or rules of the State and this Board and all applicable ordinances, orders, rules and regulations of local municipalities.
2. The Board hereby adopts and incorporates into this chapter by reference *The National Electrical Code*, *National Fire Protection Association 70* (2017 edition), with the following exceptions:
 - A-1. The Board adopts Article 200.6(D) with the following amendment:

200.6 Means of Identifying Grounded Conductors.

- (D) Grounded Conductors of Different Systems.** Where grounded conductors of different systems are installed in the same raceway, cable, box, auxiliary gutter, or other type of enclosure, each grounded conductor shall be identified by system. Identification that distinguishes each system grounded conductor shall be permitted by one of the following means:
- (1) One system grounded conductor shall have an outer covering conforming to 200.6(A) or (B).
 - (2) The grounded conductor(s) of other systems shall have a different outer covering conforming to 200.6(A) or 200.6(B) or by an outer covering of white or gray with a readily distinguishable colored stripe other than green running along the insulation.
 - (3) Other and different means of identification allowed by 200.6(A) or (B) shall distinguish each system grounded conductor.

The means of identification - shall be permanently posted where the conductors of different systems originate.

- A. The Board adopts Article 210.5(C) (1) (b) with the following amendment:

210.5 Identification for Branch Circuits.

(C) Identification of Ungrounded Conductors.

(1) Branch Circuits Supplied from More Than One Nominal Voltage System.

- (b) *Posting of Identification Means.* The method utilized for conductors originating within each branch-circuit panel board or similar branch-circuit distribution equipment shall be permanently posted at each branch-circuit panel board or similar branch-circuit distribution equipment. The label shall be of sufficient durability to withstand the environment involved and shall not be handwritten.

- B. The Board adopts Article 210.8(B) with the following amendment:

210.8(B) Other Than Dwelling Units. All single-phase receptacles rated 150 volts to ground or less, 50 amperes or less and three-phase receptacles rated 150 volts to ground or less, 50 amperes or less installed in the following locations shall have ground-fault circuit-interrupter protection for personnel.

- C. The Board adopts Article 215.12(C)(1)(b) with the following amendment:

215.12 Identification for Feeders.

(C) Identification of Ungrounded Conductors.

(1) Feeders Supplied from More Than One Nominal Voltage System.

- (b) *Posting of Identification Means.* The method utilized for conductors originating within each feeder panel board or similar feeder distribution equipment shall be permanently posted at each feeder panel- board or similar feeder distribution equipment.

- D. The Board adopts Article 334.10(3) with the following amendment:

334.10 Uses Permitted.

- (3) Other structures permitted to be of Types III, IV, and V construction.

- E. The Board does not adopt Article 334.12(A)(2), **Uses Not Permitted.**

- F. *[exception deleted]*

G. The Board adopts Article 338.12(B) (1) and (2) with the following amendment:

338.12 Uses Not Permitted.

(B) Underground Service-Entrance Cable.

- (1) For interior wiring of branch circuits and feeders originating and terminating within the same building.
- (2) For aboveground installations except where USE cable emerges from the ground and is terminated in an enclosure at a location acceptable to the Authority Having Jurisdiction and the cable is protected in accordance with 300.5(D).

H. *[exception deleted]*

I. *[exception deleted]*

J. *[exception deleted]*

K. *[exception deleted]*

L. *[exception deleted]*

M. *[exception deleted]*

N. *[exception deleted]*

O. *[exception deleted]*

P. *[exception deleted]*

Q. *[exception deleted]*

R. The Board adopts Article 702.4(B)(2) with the following amendment:

702.4 Capacity and Rating.

(B) System Capacity.

- (2) **Automatic Transfer Equipment.** For other than single-family dwellings, where automatic transfer equipment is used, an optional standby system shall comply with (2)(a) or (2)(b).

3. Copies of the *National Electrical Code*, *National Fire Protection Association standard #70* may be purchased from:

National Fire Protection Association
 1 Batterymarch Park, P.O. Box 9101
 Quincy, MA 02269-9101
 Telephone: 1-800-344-3555

STATUTORY AUTHORITY:

32 M.R.S.A. §§ 1153 and 1153-A

EFFECTIVE DATE:

February 16, 1986 - filing 86-45

AMENDED:

January 10, 1988 – filing 88-2

December 27, 1989 – filing 89-576

March 27, 1993 – filing 93-72

June 10, 1996 – filing 96-257

EFFECTIVE DATE (ELECTRONIC CONVERSION):

November 2, 1996

AMENDED:

July 15, 2000 – filing 2000-267

REPEALED AND REPLACED:

August 28, 2002 – filing 2002-329

August 20, 2005 – filing 2005-328

AMENDED:

September 1, 2008 – filing 2008-361

July 19, 2011 – filing 2011-239

August 20, 2014 – filing 2014-193

November 6, 2017 – filing 2017-170