

CHAPTER 15

PART IV

NATIONAL ELECTRICAL CODE, 2017

The City of Portsmouth adopts the State Building Code, which adopts by reference The National Electrical Code, 2017(NEC), as Chapter 15, Part IV, of the ordinances of the City of Portsmouth, New Hampshire, subject to the following amendments, additions and deletions:

Change subsection to read:

210.8 Ground-Fault Circuit-Interrupter Protection for Personnel.

- (A) Dwelling Units.** All 125-volt, and 240 volts single-phase, 15-thru 50 ampere receptacles installed in the locations specified in 210.8(A)(1) through (10) shall have ground-fault circuit interrupter protection for personnel.
- (B) All Area Including Dwelling Unit.** 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, 100 amperes or less installed in the following locations shall have ground-fault circuit-interrupter protection for personnel.
- (E) Kitchen Microwaves, Range Hood Branch Circuits.** GFCI protection shall be provided for outlets, or hard wired microwaves and range hood in dwelling unit locations.
- (F) Kitchen Refrigerator Branch Circuits.** GFCI protection shall be provided for outlets that supply refrigerators installed in dwelling unit location.
- (G) Kitchen Garbage Disposal, and Trash Compactors Branch Circuits.** GFCI protection shall be provided for outlets that supply garbage disposals and trash compactors installed in dwelling units.
- (H) Kitchen Electric Ranges Branch Circuits.** GFCI protection shall be provided for all electric ranges 120 volts thru 240 volts 50 amps and less in dwelling units.
- (I) Electric Dryers in Bathrooms, Basements and Laundry Room Rooms.** GFCI protection shall be provided for circuits for 120 volt thru 240 volts 50 amps or less that supply electric dryers in dwelling units.

Change subsection to read as follows:

230 Service, Part VI. Service Equipment — Disconnecting Means.

230.70 General. Means shall be provided to disconnect all conductors in a building or other structure from the service entrance conductors.

- (A) Location.** The service disconnecting means shall be installed in accordance with 230.70(A)(1), (A)(2), and (A)(3) except for one and two family dwellings, the disconnecting means shall be located on the outside of the dwelling in a readily accessible location nearest point of the conductors entering the building or structure.

(C) Suitable for Use. Each service disconnecting means shall be suitable for the prevailing conditions. Service equipment installed in hazardous (classified) locations shall comply with the requirements of Articles 500 through 501

Change subsection to read as follows:

Article 334. Part II. Installation

334.10 Uses Permitted. Type NM, Type NMC, and Type NMS cables shall be permitted to be used in the following, except as prohibited in 334.12:

(1) One- and two-family dwellings and their attached or detached garages, and their storage buildings.

(A) Type NM. Type NM cable shall be permitted as follows:

(1) For both exposed and concealed work in normally dry locations in one and two family dwelling.

334.12 Uses Not Permitted.

(A) Types NM, NMC, and NMS. Types NM, NMC, and NMS cables shall not be permitted as follows:

(1) In any dwelling or structure not specifically permitted in 334.10(1)

(2) Exposed in a dropped or suspended ceiling in other than one- and two-family.

Change subsection to read as follows:

334.15 Exposed Work in one and two family dwelling.

In exposed work, except as provided in 300.11(A), cable shall be installed as specified in 334.15(A) through (C).

(C) In Unfinished Basements and Crawl Spaces in one and two family dwellings. Where cable is run at angles with joists in unfinished basements and crawl spaces, it shall be permissible to secure cables not smaller than two 6 AWG or three 8 AWG conductors directly to the lower edges of the joists. Smaller cables shall be run either through bored holes in joists or on running boards. Nonmetallic sheathed cable installed on the wall of an unfinished basement shall be permitted to be installed in a listed conduit or tubing or shall be protected in accordance with 300.4. Conduit or tubing shall be provided with a suitable insulating bushing or adapter at the point the cable enters the raceway. The sheath of the nonmetallic-sheathed cable shall extend through the conduit or tubing and into the outlet or device box not less than 6 mm (1/4 in.). The cable shall be secured within 300 mm (12 in.) of the point where the cable enters the conduit or tubing. Metal with the provisions of 250.86 and 250.148.

Change subsection to read as follows:

334.23 In Accessible Attics in one and two family dwellings. The installation of cable in accessible attics or roof spaces shall also comply with 320.23.

Change subsection to read as follows:

Article 338. Service Entrance Cable: Type SE and USE, Part II. Installation

338.10 Uses Permitted.

(A) Service-Entrance Conductors for one and two family dwellings. Service-entrance cable shall be permitted to be used as service-entrance conductors and shall be installed in accordance with 230.6, 230.7, and Parts II, III, and IV of Article 230.

Change subsection to read as follows:

338.12 Uses Not Permitted.

(A) Service-Entrance Cable. Service-entrance cable (SE) shall not be used under the following conditions or in the following locations, other than one and two family dwellings.

- (1) Where subject to physical damage unless protected in accordance with 230.50(B).
- (2) Underground with or without a raceway.
- (3) For exterior branch circuits and feeder wiring unless the installation complies with the provisions of Part I of Article 225 and is supported in accordance with 334.30 or is used as messenger-supported wiring as permitted in Part II of Article 396.

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