

9-2-1: ADOPTION OF ELECTRICAL CODE:

The printed document entitled the National Electrical Code, 2008 edition, recommended by the National Fire Protection Association, Inc., three (3) copies of which are on file in the office of the Village Clerk is hereby adopted as the Electrical Code of the Village; and each and all of the regulations, provisions, penalties, conditions and terms of said National Electrical Code, 2008 edition, are hereby referred to, adopted, and made a part hereof, as if fully set out in this chapter, and from the effective date hereof, the provisions thereof shall be controlling within the corporate limits of the Village.

9-2-2: ELECTRICAL CODE AMENDMENTS:

The following sections are revised, modified, added to or changed as follows:

Amend Article 100.5 to the following:

Conductors normally used to carry current shall be copper. The sizes given in this code shall apply to copper conductors. All provisions of this code contrary to this section shall be invalid.

At Article 210.5 replace subsection (C) as follows:

1) All 3 phase 120-240 volt services shall have phases marked (A) Black, (B) Red and (C) Blue.

2) All 3-phase 277-480 volt services shall have phases marked (A) Brown, (B) Orange, and (C) Yellow, with the neutral being of a gray color. Junction boxes shall be marked 277-480 volts with a permanent marker or approved sticker type products.

Add Article 230.2 (A)

All new constructed single family dwellings shall have a minimum of a 200-amp 3-wire 120-240 volt service unless approved by Authority Having Jurisdiction.

Add Article 230.2 (B)

All circuits in the main service panel shall be properly indexed.

Add Article 210.2(C)

A 1/2" conduct, complete with a 22-gauge BLACK, RED AND GREEN low voltage wiring assemble shall be installed within 2 feet of the water meter and flush with the buildings exterior next to the gas meter.

Add Article 230.1 (F)

All electrical service wiring is to be installed along the lot lines and enter the meter fitting at ninety degrees to the lot line.

Add Article 230.9 (D)

For a single family dwelling, the electric services shall not enter the building on the rear elevation unless approved by the Building Official. All wiring between the meter fitting and the inside service panel, exceeding ten (10) feet shall require the proper over current protection.

Add Article 230.11

All metered service entrances both Underground and Overhead, shall be in rigid metal conduit.

Amend Article 230.79 (C) to the following:

The service disconnecting means shall have a rating of not less than 200 Amps.

At Article 250.50 add a new subsection E as follows:

1) The service panel must be grounded with an appropriate size conductor, to the street side of the water meter on the incoming copper water main. The water main shall be jumpered.

2) For a single family dwelling, the electric service shall not, whenever possible, enter the building on the rear elevation unless approved by the Authority Having Jurisdiction.

At Article 250.52, add subsection (A) (9)

The service panel must be grounded with an appropriate size conductor, to the street side of the water meter on the incoming copper water main and a grounding rod next to the service. The water main meter shall have a bonding jumper.

Add Article 300.3(C) (3)

All smoke detector locations shall be clearly marked with red paint prior to the electrical rough inspection.

Delete Article 310.14 in its entirety and replace as follows:

Aluminum conductor material is prohibited in any type of construction.
Exception: High voltage riser systems owned by Commonwealth Edison Company.

Add to Article 350.10

FPN: All wiring in this installation shall be able to be removed and shall not allowed in horizontal installations.

Add Article 410.49

All commercial/industrial parking facilities having moderate to heavy traffic shall require Galvanized Steel Conduit or (IMC) under the paved areas for all power and lighting installations.

Replace Article 680.8 with the following:

Clearances. No newly installed above or in ground swimming pool, hot tub, or recreational equipment capable of holding water shall be allowed under any aerial wiring conductors as of the date of adoption of this requirement.

Add Article 700.21

In commercial and industrial installations all switches for Fire Alarm, Burglar Alarm, Exit and Emergency Lighting Circuits, shall be equipped with mechanical lockouts to prevent an accidental turn off of the circuits.

Add Article 760.3 (H)

A hard wired smoke detector must be installed within the vicinity of each central heating and auxiliary unit.

The following shall be prohibited for use and any reference shall be invalid and inapplicable. Underground service entrance (USE) may be used for streetlights within the Village. Any exception must be approved by the Building Commissioner, in writing, on a case to case basis.

Article 334: Nonmetallic Sheathed Cable

Article 336: Power and Control Tray Cable

Article 352: Rigid Nonmetallic Conduit

Article 354: Nonmetallic Underground Conduit with Conductors

Article 356: Liquid Tight Flexible Nonmetallic Conduit

Article 362: Electrical Nonmetallic Tubing

Article 382: Nonmetallic Extensions

Article 388: Surface Nonmetallic Raceway

Article 394: Concealed Knob and Tube