

## Recommended Amendments to the 2011 National Electrical Code.

### 220.14 Other Loads – All Occupancies

#### **Add:**

( M ) Maximum number of outlets per circuit.

Except as otherwise provided, the maximum number of outlets per circuit shall be:

(1) Lighting outlets in dwelling occupancies	12
(3) General use receptacles – all dwelling occupancies	10
(4) General use receptacles – all dwelling kitchen countertops	2

### 230.43 Wiring Methods for 600 Volts Nominal Or Less

#### **Delete in its entirety and replace with the following:**

Article 230.43 "Wiring Methods for 600 Volts Nominal, Or Less"

Service-entrance conductors shall be installed in accordance with the applicable requirements of this Code covering the type of wiring method used and limited to the following methods:

(1) open wiring on insulators; (2) Type IGS cable; (3) rigid metal conduit; (4) intermediate metal conduit; (5) electrical metallic tubing; (6) wire ways; (7) busways; (8) auxiliary gutters; (9) rigid nonmetallic conduit; (10) cablebus; (11) mineral- insulated, metal sheathed cable; (12) High Density Polyethylene Conduit (HDPE); (13) Nonmetallic Underground Conduit with Conductors NUCC); (14) Reinforced Thermosetting Resin Conduit (RTRC). (Ord. 2011-546 § 1 (part))

### 230.91 Location.

#### **Change**

230.91 The service overcurrent device shall be connected by no more than 10 feet of raceway from the meter device to the panel.

### 314.17 Conductors entering boxes, conduit bodies, or fittings.

#### **Add**

(E) Insulated Throats. All fittings for use with EMT conduit, flexible metallic tubing and flexible metallic conduit shall utilize insulated throats

### 334.10 Uses Permitted.

#### **Delete in its entirety and replace with the following:**

Section 334.10 Uses Permitted. Type NM and Type NMC cable, minimum size # 12 copper or equivalent shall be permitted to be used in one-family and two-family dwellings, and in multi-family dwellings three (3) stories or less. All service and sub-feeds shall be installed in raceway.

**Exception:** One-family and two-family dwellings may utilize # 12 NM or NMC cable or larger without raceways for sub-feeds.

### 334.12 Uses Not Permitted

#### **Add:**

(11) Structures other than one-family and two-family dwellings, and in multi-family dwellings three (3) stories or less.

### 334.15 Exposed Work.

#### **Delete in its entirety and replace with the following:**

#### 334.15 "Exposed Work - General"

In exposed work, except as provided in sections 300.11 (A), the cable shall be installed as specified in (a), (b), and (c) below.

- a) To Follow Surface. Cable shall closely follow the surface of the building surface or of running boards.
- b) Protection From Physical Damage. Cable shall be protected from physical damage to a height of 8 feet (2.44 meters) from the floor by rigid metal conduit, electrical metallic tubing, Schedule 80 PVC rigid nonmetallic conduit, Type RTRC marked with suffix -XW, or other approved means.
- c) In Unfinished Basements. Where the cable is run at right angles with the joist in unfinished basements, the cable shall be installed through bored holes in the joist. Nonmetallic-sheathed cable installed on a 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 a 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 conduit and tubing and metal outlet boxes shall be connected to an equipment grounding conductor complying with the provisions of 250.86 and 250.148.

### 334.40 (B) Devices of Insulating Material

#### **Delete in its entirety and replace with the following:**

334.40 (B) Devices of Insulating Material. All switches, outlets, and tap devices must terminate in an outlet box complying with the requirements of Article 314 of the National Electrical Code.

### 404.4 Wet Locations

#### **Add:**

"In no case shall any outlet, switch or unapproved fixture be installed within the restricted tub or shower zone. The zone is all encompassing and includes the space directly over the tub or shower and extends Three (3) feet from the side and Eight (8) feet above the top of the tub rim shall be considered minimum distance from said tub or shower.